QC
990
.I 39
I 52
1965

Registered No. MH-75

GOVERNMENT OF INDIA

India.

METEOROLOGICAL DEPARTMENT

INDIA WEATHER REVIEW, 1965

QUARTERLY ISSUE OF

MONTHLY WEATHER REPORT

JANUARY-MARCH

LIBRARY
FEB 2000
National Oceanic and
Atmospheric Administration
U.S. Dept. of Commerce

[Published by authority of Government of India]

Copyright © 1965 by Manager of Publications, Government of India, Delhi-6

158 197

National Oceanic and Atmospheric Administration

Environmental Data Rescue Program

ERRATA NOTICE

One or more conditions of the original document may affect the quality of the image, such as:

Discolored pages
Faded or light ink
Binding intrudes into the text

This document has been imaged through the NOAA Environmental Data Rescue Program. To view the original document, please contact the NOAA Central Library in Silver Spring, MD at (301) 713-2607 x124 or www.reference@nodc.noaa.gov.

Information Manufacturing Corporation
Imaging Subcontractor
Rocket Center, West Virginia
September 14, 1999

Errata to M.W.R. for the quarter January to March 1965.

JANUARY 1965 : SURFACE DATA

Page	Item/Station	Hour	Column	For	Read
3	Table I : Sub-division				
Table II	3.South Assam	-	2	17.7	-17.7
4	North Lakhimpur	-	1	Nroth Lakhimpur	North Lakhimpur
"	Sibsagar	-	24	Blank	29
5	Jamshedpur (PBO)	-	10	0	0.6
"	Bahraich	-	10	0	8.2
6	Ballia	-	1	Not clear	Ballia
"	Varanasi	-	12	17.0	-17.0
"	Ambala	-	17,18	(a) (b) 5.4, 4.9	(b) (c) 5.4, 4.9
"	Ambala	-	29	0	0
"	Bhatinda	-	14	a 13	3
"	New Delhi (Safdarjung)	-	16	Blank	0
7	Jodhpur	-	19	-4.3*	-4.3
"	Barmer	-	5	5,17	17
"	Dholpur	-	4	30.6	30.0
8	Bhira	-	4	35.5	36.5
"	Ozar	-	18	(m) 7.4	(n) 7.4
"	Foot note	-	-	-	
"	Foot note	-	-	(m) Total for 18 days.	Add '(n) Mean of 17 days' (m) Total or mean of 18 days.
9	Buldana	-	22	0	2
"	Nidadavole	-	8	14.2	15.2
"	Ongole	-	8	17.5	17.9
"	Madurai	-	2	30.1 (b)	(b) 30.1
"	Pamban	-	2	29.9	28.9
10	Palayankottai	-	5	71,8	7,18,19
"	Belgaum (Samra)	-	4	Not clear	30.0
"	Amini	-	18	2.9	2.9(i)
"	Mukteswar (Kumaon)	-	16	0.6	-0.6
11	Kodaikanal	-	4	19.7	19.0
"	Katmandu	-	6,8	1.4,-2.7	1.6,-2.5
"	Konar	-	5	21,2	21,22
Table III					
13	Nancowry	0830	13	5.1	3.1
14	Dubri (Rupsi)	0830	26	6	0
15	Contai	0830	5	1016.8	1016.3
"	Jharsuguda	1730	21	Blank	1
16	Chandbali	1730	22	0	10
"	Bolangir	0830	3	,,	190
"	Bolangir	1730	4	1011.0	1013.8
"	Bhubaneshwar	0230	1	Not clear	Bhubaneshwar
"	Bhubaneshwar	1130	28	0	2
"	Hazaribagh	0830	1	Not clear	Hazaribagh
"	Jamshedpur (PBO)	0830	11	6	68
"	Jamshedpur (PBO)	1730	10	2.6	12.6
* "	Jamshedpur (PBO)	2330	9	11.5	11.3
17	Sabaur	0830	25	1	11
"	Sabaur	1730	22	9	0
"	Hardoi	1730	22	2	3
18	Gorakhpur	0830	7	14.7	14.6
"	Allahabad (Bamhrauli)	1730	8	14.9	15.9
* 16	Phulbani	1730	4	1018.8	1011.8

...2

Page	Item/Station	Hour	Column	For	Read
19	Aligarh	1730	4	1015.2	1015.7
"	Pathankot	0530	2	not clear	0530
"	Pathankot	1130	5	932.9	982.9
"	Ambala (PBO)	0530	4	1011.5	1016.5
"	Ambala (PBO)	1430	4	not clear	1015.6
"	Ambala (PBO)	2030	5	984.	984.1
"	Ambala (Aerodrome)	0530	2	27	274
20	Ambala (Aerodrome)	2330	15	7.0	7.3
"	New Delhi (Safdarjung)	1430	11	49	40
"	Palam (Aerodrome)	0230	2	0930	0230
"	Palam (Aerodrome)	0230	5	984.7	989.7
"	Palam (Aerodrome)	1430 & 2030	1	Blank	(R), (R)
"	Palam (Aerodrome)	2330	4	10 7.9	1017.9
"	Leh	0830	6	+3.2	delete
21	Bikaner (PBO)	0530	13,28	1.0, 1	1.5, 0
"	Jaisalmer	0830	17	0	2
"	Pilani	0830	9	4.3	4.4
"	Alwar	0830	9	8.3	8.4
"	Jaipur (Sanganer)	0830	26	3	1
"	Jaipur (Sanganer)	1130	26	1	3
"	Jaipur (Sanganer)	1430	15	9.6	9.0
22	Bhilwara	0830	10,22	10,9,3	9.5, 1
"	Bhilwara	1730	10	20.9	10.9
"	Udaipur	1730	18	4	6
"	Jhalawar	0830	12,18	+ .1, 10	+11, 16.
"	Gwalior	0230	15	Not clear	1.2
"	Sheopur	1730	8	5.6	15.5
"	Shivpuri	1730	4	1 14.4	1014.4
"	Ratlam	0830	17	0	5
"	Ratlam	1730	17	5	1
"	Bhopal (Bairagarh)	0230	4,7	2016.5,15.7	1016.5, 15.0
23	Bhopal (Bairagarh)	2330	11	47	46
"	Rewa	1730	8	Not clear	15.2
"	Raigarh	0830	16	Blahk	0
25	Jamnagar (Aerodrome)	0530	3,4	23,1014.9	20,1014.6
"	Jamnagar (Aerodrome)	0830	4	1016.8	1016.5
"	Jamnagar (Aerodrome)	1130	4	1017.6	1017.3
"	Jamnagar (Aerodrome)	1730	4	1013.8	1013.5
26	Ratnagiri	1730	9	9.0	19.0
"	Panjim	0830	8	.5	18.5
"	Dabolim (Naval Air Stn.)	0830	5	008.7	1008.7
"	Malegaon	1730	4	1012.4	1011.5
"	Ozar	1130	11	3	35
"	Poona	1430	9	1.10	11.0
27	Kolhapur	0530	17	4	0
"	Kolhapur	0830	17	5	0
"	Kolhapur	1130	17	0	4
"	Kolhapur	1730	17	0	5
"	Amraoti	0830	9	9.1	8.1
"	Akola	0830	4	10 7.2	1017.2
"	Bramhapuri	1730	7	26.9	26.0
"	Pusad	0830	7	11.6	16.6
28	Visakhapatnam	1430	11	48	46
"	Khammam	1730	27	27	7
29	Kurnool	0830	6	+0.2	+0.8
"	Salem	0830	12,14	+1.0, -6	-6, +1.0
*25	Jamnagar (Aerodrome)	2330	4	1016.1	1015.8

Page	Item/Station	Hour	Column	For	Read
30	Pamban	0830	6	+0.2	+0.3
"	Mangalore (Bajpe)	2330	14	+0.1	..
"	Mangalore	0830	14	..	+0.1
"	Belgaum	0830	6	-2.3	-0.3
"	Gadag	0530	3	,,	650
"	Gadag	0830	3	650	,,
31	Shimoga	1730	9	10.	10.1
"	Calicut	1730	5	1000.6	1009.6
"	Palghat	0830	5	002.9	1002.9
"	Fort Cochin	0830	5	013.3	1013.3
"	Alleppey	0830	18	3	31
"	Trivandrum	0530	11	89	79
32	Dalhousie	0830	5	80 .4	801.4
"	Simla	0830	5	743.0	783.0
"	Nainital	1730	7	Not clear	7.9
"	Katmandu	0830	11	9.2	92
"	Katmandu	1130	11	5.2	52
"	Katmandu	1730	11	6.4	64
"	Lachen	0830	11	5.2	52
33	Sonepur	0830	7	Not clear	19.5
"	Dadeldhura	1130	28	1	0

Page	Station	Time in IST	Height in Km	Entry under column	Existing entry	Correct entry
Tables IV to VI : Upper air data						
37	Agartala	0530	4.5	v & D	14.1 & 258	13.9 & 277
38	Ambala	1130	6.0	V	17.3	17.0
39	Bahraich	1730	0.3	D	384	284
39	Bangalore	1130	3.0	D	083	078
39	Bangalore	1130	3.6	D	078	083
40	Bhopal	0530	4.5	V	10.1	10.0
41	Bhuj	2330	1.5	v	0.6	0.9
41	Bhuj	2330	3.6	D	268	266
41	Bikaner	0530	5.4	v	15.5	15.6
41	Calcutta	0530	3.6	D	249	291
41	Calcutta	0530	7.2	V	61.9	19.9
41	Calcutta	1730	0.15 a.g.	v	0.5	2.5
42	Dibrugarh	1130	3.6	D	280	220
42	Dibrugarh	1130	4.5	D	220	285
43	Goa/Dabolim	Remarks at the base pertain to station Goa/Dabolim.				
44	Gwalior	1130	0.3 a.m.s.l	v	1.4	1.3
46	Jharsuguda	1730	7.2	v	17.5	17.9
46	Jodhpur	2330	4.5	D	228	282
47	Madras	1130	0.6	V	5.6	5.8
49	Port Blair	2330	3.0	D	005	035
49	Siliguri	0530	0.3 a.m.s.l	v	2.3	3.2
49	Tiruchchirappalli	0530	5.4	v	1.8	1.7
50	Vengurla	0530	0.9	v	8.7	3.7
51	Veraval	1730	7.2	D	251	261
52	Ahmedabad	1730	16.2	v	0.5	40.5
52	Allahabad	1730	16.2	v	52	52.0
52	Bangalore	0530	10.5	D	53	258
52	Bhuj	0530	10.5	V	8.0	18.0
52	Bombay	0530	14.1	v	29.0	29.1
52	Bombay	0530	16.2	V	9.3	19.3
52	Bombay	1130	10.5	v	2.7	24.7
52	Bombay	1130	16.2	v	3.2	31.2

...4

Page	Station	Time in IST	Height in gpkm	Entry under column	Existing entry	Correct entry
52	Bombay	1730	-	Hour	173	1730
52	Bombay	1730	10.5	Ht.	0.5	10.5
53	Trivandrum	1730	18.0	n	18	17
RADIOSONDE DATA						
55	Bangalore	00 GMT	40 mb	Min. Temp	202	203
55	Bombay	00 GMT	600 mb	Mean Temp	272	272.9
58	Ahmadabad	12 GMT	80 mb	Ht. gpm	17873	17803
58	Bangalore	12 GMT	60 mb	Ht. gpm	19543	19533
58	Bombay	12 GMT	175 mb	n	31	27
58	Bombay	12 GMT	125 mb	n	27	26
58	Bombay	12 GMT	100 mb	n	26	25
58	Bombay	12 GMT	80 mb	n	25	16
60	Visakhapatnam	12 GMT	100 mb	Min. Temp	194	191

FEBRUARY 1965 - SURFACE DATA :-

Page	Item/Station	Hour	Column	For	Read
61	Chief features first line	-	-	Spells good of	Spells of good
Table I: Sub-division					
63	7 Bihar Plateau	-	9	1.4	1.0
63	20 Konkan (Including Goa)	-	-	Konkan	Konkan (including Goa).
Table II					
64	Tezpur	-	3	-0.5 (d)	+0.5
"	Golaghat	-	11	53.8	53.8
"	Chaparmukh	-	21	Blank	0
"	Jalpaiguri	-	5	1	11
65	Ballia	-	13	Blank	0
66	Ambala (Aerodrome)	-	12	-10.1	..
"	Patiala	-	12	..	-10.1
"	Leh	-	13	4.	4.2
"	Barmer	-	13,19	Blank, -1.8	0, -1.8**
"	Foot note	-	-	-	** Departure indica relates to 1940 nor mal accepted provis onally.
"	Foot note	-	-	*Data not available.	* Data not reliable
67	Munabao	-	1	Munabao (R)	Munabao
"	Guna	-	9	24	15
"	Nimach	-	9	15	8
"	Rajgarh	-	9	8	9,15
"	Sagar	-	9	9,15	22
"	Ratlam	-	9	22	8
"	Bhopal (Bairagarh)	-	9	8	9
"	Ujjain	-	9	9	8
"	Narsinghpur	-	9,28	8,9	9,0
"	Rajpur (Jhabua)	-	9	9	9,10
"	Chhindwara	-	9	9,10	16
"	Khandwa	-	4	34.0	34.7

Page	Item/Station	Hour	Column	For	Read
67	Jabalpur		28	2	0
67	Raipur	-	16	-1.3	-1.8
"	Jagdalpur	-	5	26	26,28
68	Surat	-	17	9.9	9.6
"	Jamnagar (Aerodrome)	-	23	1	0
"	Bhira	-	5	27 16	27
"	Ratnagiri	-	5	15,16	16
"	Devgarh	-	5	15	15,16
"	Marmugao	-	18	12.9	12.9
"	Nandurbar	-	20(b)	1	0
"	Khandala	-	16	+0.3	-0.3
"	Jeur	-	3	+1.2	-1.2
"	Amraoti	-	13	.8	5.8
69	Visakhapatnam	-	20(a)	0	1
"	Ongole	-	8	18.0	18.9
"	Vellore	-	12	-0.6	-6.0
"	Tiruppattur	-	5	27.2	27
"	Kallakkurichchi	-	2	32.2	32.0
"	Madurai (Aerodrome)	-	9	2	25
"	Mangalore	-	7	0.1	-0.1
70	Mysore	-	3	+1.6	-1.6
"	Alleppey	-	12	-35.2	-35.1
"	Badrinath	-	-	Closed during winter months	Closed during winter months
"	Katmandu	-	26,8,23	25.2,2.6,-1.2,0	20.2,2.8,-1.0,2
"	Foot note	-	-	† less than 15 days	† less than 15 days hence no means published.
71	Jomosom	-	2	11 (d)	11.0 (d)
Table III					
74	Contai	0830	1	not clear	Contai
"	Sagar Island	0830	1	Sagar Island	Sagar Island
"	Sandheads	1130	7	33.1	28.1
76	Bhagalpur	2330	8	14.4	14.0
"	Baharaich	0830	1	not clear	Bah raich
"	Hardoi	0830	1	Ha doi	Hardoi
80	Gulmarg	0830	1	Gulmerg	Gulmarg
81	Erinpura (Jawai Dam)	-	-	-	Erinpura (Jawai Dam) station order is after Barmer.
83	Sidhi	0830	3	272	272*
"	Jabalpur	0830	12	+10	-10
"	Pendra	0830	17	Blank	1
84	Rajkot	1130	5	9 8.3	998.3
85	Dahanu	0830	5	1010.9	1011.9
"	Dabolim (Naval Air Station)	0530	3	206	52
87	Rentachintala	0830	1	Rentachintan	Rentachintala
88	Masulipatam	0830	5	1113.1	1013.1
"	Anantapur	1430	9	2.2	12.2
"	Madras (Minambakkam)	0830	12	+1	+1
90	Belgaum (Samara)	0530	1	Belgaum Samba	Belgaum (Samara)
"	Chitradurga	1730	9	14.7	14.1
91	Dalhousie	0830	12	..	0
92	Badrinath	0830	-	Closed during winter months	Closed during winter months

Page	Item/Station	Hour	Column	For	Read
92	Abu	0830, 1730	4,5,6	-	delete pressure data
94	Walungchung Gola	1730	7	-0.1	0.1
"	Gezing	1730	10	.7	9.7

TABLES IV TO VI : UPPER AIR DATA

Page	Station	Time in IST	Height in km	Entry under column	Existing entry	Correct entry
97	Agartala	1730	0.6	D	174	274
97	Agartala	1730	0.9	D	173	273
97	Agartala	2330	Surface	v	3.1	0.3
97	Ahmadabad	2330	4.5	v	10.1	10.0
100	Bhopal	0530	5.4	n	29	20
100	Bhubaneshwar	0530	7.2	D	180	270
100	Bikaner	0530	Surface	V	6.3	0.3
102	Gadag	2330	-	Time	2230	2330
102	Gadag	2330	5.4	n	14	13
105	Jaipur	0530	1.5	D	232	282
105	Jaipur	1730	1.5	D	200	290
105	Jodhpur	0530	0.3	D	045	043
107	Minicoy	1130	4.5	D	035	085
107	Nagpur	0530	0.6	D	041	046
112	Anantapur	0530	12.0	v	3.9	8.9
113	Nagpur	1130	12.0	n	-	4
113	Vishakhapatnam	0530	18.0	D	231	271
113	Veraval	1730	10.5	v	34.1	34.5
119	Minicoy	12 GMT	600 mb	Max. Temp	272	279
119	Minicoy	12 GMT	1000 mb	Dew Point	294.5	294.4
119	Minicoy	12 GMT	40 mb	Max. Temp	202	212
119	New Delhi	12 GMT	200 mb	Min. Temp	217	213
119	Port Blair	12 GMT	250 mb	Mean Temp	232.3	231.2
119	Port Blair	12 GMT	250 mb	Max. Temp	247	238
120	Vishakhapatnam	12 GMT	850 mb	Mean Temp	290.2	290.3

MARCH 1965 : SURFACE DATA

Page	Item/Station	Hour	Column	For	Read
	Table II				
125	Gauhati	-	2	*	..
"	Dhubri	-	10	34.0	36.4
127	Agra (Aerodrome)	-	24	1	0
128	Ganganagar	-	12	17.0	-17.0
128	Kota	-	1	Kota (Aerodrome)	Kota
"	Kota Aerodrome	-	1	Kota	Kota (Aerodrome)
"	Chambal (Rawat Bhatta Dam)	-	2	34.6	32.9
"	Udaipur	-	2,3	32.9, ..	31.4, -0.3

...7

Page	Item/Station	Hour	Column	For	Read
Table II (Contd.)					
128	Jhalawar	-	2,3	31.4-,0-0.3	33.5, +0.5
"	Banswara	-	2,3	33.5, +0.5	34.6, ..
"	Rajgarh	-	1	Ratgarh	Rajgarh
"	Ratlam	-	1	Railam	Ratlam
[illegible]	[illegible]	-	[illegible]	[illegible]	[illegible]
"	Hoshangabad	-	2	34.0	34.8
129	Ambikapur	-	25	1	0
130	Poona (Aerodrome)	-	9	0,21	20,21
"	Kurnool	-	2	6.7	36.7
"	Anantapur	-	2	6.5	36.5
131	Tambaram (Aerodrome)	-	20(b)	9	0
"	Palayancottai	-	1	Palanyancottai	Palayancottai
"	Hassan	-	20(b)	10	0
"	Bangalore	-	20(b)	1	0
132	Katmandu	-	6,8	5.2,0	5.4, 0.2
133	Thikri	-	4	40.	40.6
"	Khudi Bazar	-	2,6	(i) 25.3, (i) 14.1	(1) 25.3, (1) 14.1
Table III					
134	Nancowry	1730	17	0	1
"	North Lakhimpur	1730	9	5.5	15.5
136	Malda	1730	8	13.4	18.4
"	Barrackpore (Aerodrome)	1730	9	17.2	16.2
"	Calcutta (Dum Dum)	2030	7	21.8	23.8
"	Sagar Island	0830	6	-1.0	+1.0
137	Puri	1730	9	22.3	22.2
"	Dhanbad	1730	5	989.5	979.5
138	Patna	1730	15	6.1	6.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
"	Gaya	0830	6	..	+1.6
"	Gaya	1130	6	+1.6	..
"	Lucknow (Amausi)	1130	4	1002.1	1012.1
139	Kanpur (Aerodrome)	0830	12	+6	..
"	Tehri	0830	11	88	78
"	Foot note	-	-	(c)Mean of 30 days.	(a)Mean of 30 days.
"	Foor note	-	-	(a)Mean of 28 days.	(c)Mean of 28 days.
140	Amritsar (Rajasansi)	1730	15	(c) 10.1	10.1
"	Foot note	-	-	(c)Mean of 24 days.	delete.
141	Bilaspur	1730	27	3	8
142	Jammu (Aerodrome)	2330	13	.7	2.7
"	Mahajan	1730	7	39.7	29.7
"	Erinpura (Jawai Dam)	0830	4,5,7,15	(c)	delete mark (c)
"	Erinpura (Jawai Dam)	0830	4	1012.3	1012.8
"	Munabao	0830	4,5,7,15	-	Read data with (c) mark.
143	Jaipur (Sanganer)	0530	7	1.64	16.4
144	Rajgarh	1730	4	1017.2	1007.2
"	Narsinghpur	0830, 1730	16	0,0	.., ..
"	Hoshangabad	1730	4	1007.5	1007.3
"	Rajpur (Jhabua)	1730	8	17.0	17.8

...8

Page	Item/Station	Hour	Column	For	Read
Table III (Contd.)					
147	Vengurla	0530, 0830	28	Blank	0, 0
"	Vengurla	1130	5	1012.6	1012.0
148	Miraj	0830	14	0.9	+0.9
149	Masulipatam	1730	13	1.4 (a)	1.4
"	Ongole	1730	13	1.2	1.2 (a)
150	Hyderabad (Begampet)	0830	12	-1.5	-15
"	Vellore	0830	7	24.1	24.6
"	Cuddalore	1130	4	1002.8	1012.8
151	Kanniyakumari	0830	5	100 .2	1008.2
152	Fort Cochin	1730	7	9.1	29.1
"	Cochin (Naval Air Station)	0230	7	5.6	25.6
153	Alleppey	0830	6	+0.7	+0.9
"	Alleppey	0830	12	1	-1
"	Trivandrum (Aerodrome)	0830	20	Blank	3
"	Minicoy	1430	11	6	65
154	Bokaro	1730	11	28	29
"	Daroi	0830	3	-	Delete Height.

TABLES IV TO VI : Upper Air Data

Page	Station	Time in IST	Height in km	Entry under column	Existing entry	Correct entry
163	Dibrugarh	0530	1.5	D	089	098
163	Gadag	1730	9.0	D	296	269
164	Gadag	2330	0.15 a.g.	D	240	249
166	Jabalpur	0530	7.2	D	253	287
166	Jabalpur	2330	0.9	V	4.4	6.4
172	Vijaywada	1730	4.5	n	8	28
173	Asansol	0530	-	Time	0530	1730
173	Bombay	1730	Ht. in Km		8.0	18.0
177	Madras	00 GMT	200 mb	Min. Temp	201	214
177	Nagpur	00 GMT	70 mb	Mean Temp	202.3	202.1
177	Nagpur	00 GMT	400 mb	Max. Temp	266	263
177	Nagpur	00 GMT	250 mb	Min. Temp	221	225
177	Srinagar	00 GMT	500 mb	Ht. gpm	5665	5655
177	Srinagar	00 GMT	60 mb	Mean Temp	218.6	218.0

SG.10-9

Registered No. MH-75

INDIA WEATHER REVIEW, 1965

Monthly Weather Report

January

Published by authority of the Government of India

Chief features: —

(i) Movement of four western disturbances across northwest India causing spells of precipitation there; and

(ii) An unusual spell of good rains over Gujarat State, the central parts of the country and the north Peninsula in the early part of the month.

Four western disturbances affected the northern parts of the country during the month. The first disturbance lay over the southern divisions of West Pakistan on 1st. It moved away slowly northeastwards across the Western Himalayas by 5th. Under its influence, there was good precipitation over the Western Himalayas during the period 2nd to 5th. A few light showers also occurred in the plains of northwest India. According to press reports, heavy snowfall was experienced in Mussoorie, Tehri Garhwal and Nagateeba ranges.

After the passage of the above western disturbance, dry weather prevailed over northwest India for about two weeks. Later a fairly active western disturbance moved into the northern divisions of West Pakistan and adjoining Afghanisthan on 18th. Moving in an easterly direction, it continued to be active till 20th when it lay over Uttar Pradesh. Thereafter it weakened and moved away eastwards across Assam by 22nd. In association with it, there was good precipitation over northwest India outside Rajasthan on 19th and 20th, Banihal recorded 7 cm of rain, Jammu and Dalhousie 6 cm each and Srinagar and Najibabad 5 cm each on 20th. According to press reports, landslides caused by heavy rains and snowfalls blocked the traffic on the Kotdwara-Joshimath and Jammu-Srinagar roads. The air services with Srinagar also remained suspended for at least three days. A few light showers also occurred in east Uttar Pradesh, and north Assam on 21st and 22nd.

The third western disturbance which followed immediately was feeble. It lay over Afghanistan on 21st and moved away eastwards across the extreme north of the country by 23rd. It caused a few falls of rain or snow in Jammu and Kashmir on 21st and 22nd. Banihal recorded 4 cm of rain on 21st. The last disturbance was also feeble and was over east Afghanistan and adjoining West Pakistan on 29th. It moved away eastward across Jammu and Kashmir by 31st causing a number of falls of rain or snow in Jammu and Kashmir on 30th.

A trough of low pressure which had developed towards the end of last month lay extending from northeast Arabian Sea to Rajasthan at the beginning of this month. It shifted southeastwards progressively and was extending from Laccadive area to southeast Madhya Pradesh on 6th. Thereafter it became unimportant. Under its influence, a spell of rainfall occurred in Rajasthan, Gujarat State, the central parts of the country and north Peninsula during the first week. The rainfall belt also extended to northeast India towards the end of the first week.

In association with another feeble upper air trough extending from the Gulf of Cambay to the central parts of Madhya Pradesh on 7th and 8th the rainfall activity over the central parts of the country continued till 9th. Buldana recorded 7 cm of rain on 9th. According to press reports, the unseasonal rains caused dislocation of road transport at many places in Saurashtra and damage to winter crops like cotton and wheat. Very heavy showers accompanied by large size hailstones were also reported to have occurred at a few villages in Buldana district and in Malegaon and Dhulia talukas, seriously damaging the standing crops. It was reported that at Deoghar village there was five inch thick layer of hailstones on the ground.

Another trough of low pressure extending from the extreme east central Arabian Sea off the Maharashtra coast to west Madhya Pradesh developed on 23rd and persisted till 28th. Under its influence a second spell of thunder showers occurred over Maharashtra State, west Madhya Pradesh and adjoining parts of Gujarat State and Rajasthan. Ujjain reported 2 cm of rain on 25th.

"*Copyright* © 1965 *by the Manager of Publications, Govt. of India, Delhi*-6 "

1—4 D.D.G. Obs. P./68

The south Peninsula received a few showers in the first week of the month in association with the movement of two low pressure areas across the Comorin area. The first low pressure area which lay over the southwest Bay of Bengal on 1st moved away across Ceylon area by 3rd. The second one appeared over the southeast Bay on 3rd and also moved away westwards across Maldive area by 7th. Thereafter the weather remained mainly dry over the south Peninsula.

Night temperatures were below normal over northwest India. Uttar Pradesh and Gujarat State at the beginning of the month. After 4th, they were below normal or normal over these areas till 10th. Thereafter, the night temperatures again became above normal and remained so on most of the days till the end of the month. Over the central parts of the country also the night temperatures were above normal during the first fortnight except on 5th, 11th and 12th when they were below normal. Over the peninsula they were generally above normal during the first 11 days and below normal towards the end of the month. Night temperatures over northeast India were above normal from 3rd to 7th and again from 19th to 22nd and below normal during the second week.

The total rainfall for the month was in large excess in Gujarat State, the Konkan, Vidarbha and coastal and south Interior Mysore, in moderate excess in Madhya Maharashtra and Telangana and in slight excess in east Rajasthan. It was in slight defect in west Madhya Pradesh and Kerala, in moderate defect in Orissa, Punjab and north Interior Mysore and in large defect over the rest of the country outside south Assam, Sub-Himalayan West Bengal, Bihar Plains and Rayalaseema where there was no rain.

Mean maximum temperature was above normal in the Bay Islands, north Assam, Sub-Himalayan West Bengal, Bihar Plains, Uttar Pradesh, Punjab, Rajasthan, Gujarat State and the Konkan and below normal in south Interior Mysore. It was normal over the rest of the country.

Mean minimum temperature was above normal in Rajasthan, west Madhya Pradesh, Gujarat State, Konkan and Marathwada and below normal in the Bay Islands and the Arabian Sea Islands. It was normal over the rest of the country.

Mean relative humidity in the morning was above normal in Rajasthan, Saurashtra and Kutch, Madhya Maharashtra, Telangana and north Interior Mysore and below normal in the Bay Islands and Kerala. It was normal over the rest of the country.

Mean cloud amount in the morning was above normal in the Bay Islands, west Madhya Pradesh, Gujarat and Maharashtra States, Rayalaseema and Interior Mysore and below normal in north Assam, Sub-Himalayan West Bengal, Bihar Plains, Uttar Pradesh and Punjab. It was normal over the rest of country.

Table I contains the divisional and sub-divisional means of rainfall, temperature, humidity and cloud amount for the 15 chief political divisions and the 32 sub-divisions. The stations whose observations are used for preparing these means are given in the subsequent tables.

The highest maximum temperature given for any station in the accompanying tables is that recorded within the 24 hours ending at 0830 hrs. I. S. T. of the date noted in the succeeding column; similarly the heaviest rainfall in 24 hours for any station denotes the amount recorded during the 24 hours ending at 0830 hrs. I. S. T. of the date given in the succeeding column.

POONA 5,
The 25th September, 1965.

R. ANANTHAKRISHNAN,
for *Director General of Observatories.*

NOTE :—Description in respect of Himachal Pradesh is not included for want of normals.

	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative humidity % 0830 hrs. I.S.T.	Relative humidity % 1730 hrs. I.S.T.	Cloud 0830 hrs. I.S.T.	Cloud 1730 hrs. I.S.T.
1	2	3	4	5	6	7	8	9
Division								
1. Assam (Including NEFA, Nagaland, Manipur, Tripura)	4·4	22	23·8	9·2	84	66	1·9	1·9
	—15·5		+0·7	0	—1		—1·0	
2. West Bengal	0·3	3	26·4	12·5	71	54	1·3	1·6
	—11·3		+0·9	+0·5	—3		—0.4	
3. Orissa	6·0	58	27·9	14·6	71	55	2·1	2·6
	—4·3		+0·3	—0·2	—2		+0·3	
4. Bihar	0·4	2	25·1	9·7	71	51	1·2	1·1
	—16·6		+1·1	—0·2	—2		—0·5	
5. Uttar Pradesh	5·3	23	24·1	8·8	77	50	1·3	1·6
	—17·3		+1·5	+0·8	+1		—0·8	
6. Punjab (Including Himachal Pradesh and Delhi)*	21·6	52	22·2	7·0	81	55	2·2	2·6
	—20·0		+2·0	+0·9	+2		—0·6	
7. Jammu and Kashmir	41·4	41	7·5	—2·5	69	64	5·1	4·2
	—60·0		+0·2	—0·1	—2		0	
Sub-Division								
1. Bay Islands	10·2	22	30·1	20·9	64	69	4·2	4·0
	—35·3		+1·1	—1·1	—7		+0·8	
2. North Assam (Including NEFA)	6·7	32	24·0	9·7	86	69	1·9	1·7
	—14·3		+1·2	+0·2	—1		—1·5	
3. South Assam (Including Nagaland Manipur and Tripura)	0	0	23·4	7·9	79	60	1·8	2 3
	17 7		—0·7	—0·5	—1		—0·2	
4. Sub-Himalayan West Bengal	0	0	25·2	10·6	79	55	1·0	1·5
	—11·8		+1·4	+0·8	0		—0·5	
5. Gangetic West Bengal	0·4	3	26·7	13·2	68	54	1·4	1·6
	—11·1		+0·8	+0·5	—4		—0·3	
6. Orissa	6·0	58	27·9	14·6	71	55	2·1	2·6
	—4·3		+0·3	—0·2	—2		+0·3	
7. Bihar Plateau	1·2	6	25·3	9·8	67	46	1·5	1·4
	—17·5		+0·6	—0·5	—3		—0·3	
8. Bihar Plains	0	0	24·9	9·6	74	56	1·0	0·8
	—16·1		+1·6	0	—2		—0·7	
9. Uttar Pradesh (East)	1·7	9	24·4	9·1	78	50	1·3	1·3
	—18·2		+1·3	+0·8	0		—0·6	
10. Uttar Pradesh (West)	10·3	39	23·6	8·2	76	51	1·3	2·0
	—16·0		+1·9	+0·9	+4		—1·0	
11. Punjab (Including Delhi)	21·6	52	22·0	7·0	81	55	2·2	2·6
	—20·0		+2·0	+0·9	+2		—0·6	
12. Himachal Pradesh	37·7	..	24·2	4·0	85	54	1·1	1·4
	..		..	..	..		..	
13. Jammu and Kashmir	41·4	41	7·5	—2·5	69	64	5·1	4·2
	—60·0		+0·2	—0·1	—2		0	
14. Rajasthan (West)	1·9	28	26·3	10·1	74	36	2·1	2·3
	—5·0		+3·4	+2·5	+8		—0·1	
15 Rajasthan (East)	9·3	121	25·7	10·5	69	38	1·7	2·9
	+1·6		+1·7	+1·7	+13		—0·1	
16. Madhya Pradesh (West)	9·4	85	26·5	11·2	65	39	2·5	2·7
	—1·7		+0·8	+1·3	+3		+0·6	

	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative humidity % 0830 hrs. I.S.T.	Relative humidity % 1730 hrs. I.S.T.	Cloud 0830 hrs. I.S.T.	Cloud 1730 hrs. I.S.T.
1	2	3	4	5	6	7	8	9
Division—(contd.)								
8. Rajasthan	5·6	77	26·0	10·3	71	37	1·9	2·7
	—1·7		+2·5	+2·1	+11		—0·1	
9. Madhya Pradesh	8·5	59	26·4	11·3	68	42	2·2	2·5
	—6·0		+0·5	+1·0	+2		+0·4	
10. Gujarat State (Including Diu, Daman, Dadra and Nagar Haveli)	7·5	441	29·7	15·0	66	44	2·0	1·8
	+5·8		+1·6	+2·4	+9		+0·7	
11. Maharashtra State (Including Goa)	12·4	258	29·6	16·0	65	42	2·1	2·4
	+7·6		+0·2	+1·0	+4		+0·6	
12. Andhra Pradesh	3·6	49	29·5	17·8	77	51	2·6	2·7
	—3·7		—0·1	+0·6	+3		+0·3	
13. Madras State (Including Pondicherry)	7·9	22	29·2	20·7	77	61	3·8	4·0
	—27·5		—0·2	+0·2	—4		+0·5	
14. Mysore	4·8	130	29·0	16·8	71	41	2·8	2·8
	+1·1		—0·7	+0 3	+4		+0·8	
15. Kerala	12·5	75	31·6	21·8	69	61	2.9	3·2
	—4·2		+0·4	—0·5	—6		+0·3	
Sub-Division—(contd.)								
17. Madhya Pradesh (East)	7·2	39	26·3	11 3	71	46	2·0	2·3
	—11·5		+0·2	+0·7	0		0	
18. Gujarat Region (Including Daman, Dadra and Nagar Haveli)	8·4	420	31·2	15·2	64	37	1·8	1·8
	+6·4		+1·4	+2·9	+2		+0·5	
19. Saurashtra and Kutch (including Diu)	7·0	437	28·9	14·9	68	48	2·1	1·9
	+5·4		+1·7	+2·0	+12		+0·8	
20. Konkan (Including Goa)	7·5	375	30·3	19·7	70	65	1·9	1·5
	+5·5		+1·3	+1·2	+2		+0·4	
21. Madhya Maharashtra	4·1	146	30·0	14·1	63	34	2·1	2·8
	+1·3		—0·2	+1·0	+7		+0·7	
22. Marathwada	1·7	24	29·7	15·1	55	30	2·0	2·5
	—5·5		0	+1·4	+3		+0·4	
23. Vidarbha	30·3	316	28·5	15·1	66	39	2·3	2·5
	+20·7		—0·4	+0·9	+5		+0·6	
24. Coastal Andhra Pradesh	1·9	21	29·2	18 8	79	61	2·9	2·8
	—7·1		+0·2	+0·4	+2		+0·3	
25. Telangana	8·0	143	29·7	16·4	76	42	2·2	2·3
	+2·4		—0·2	+0·8	+6		+0·1	
26. Rayalaseema	0	0	30·2	18·0	73	44	2·4	3·0
	—5·9		—0·8	+0·5	+3		+0·6	
27. Madras State (Including Pondicherry)	7·9	22	29·2	20·7	77	61	3·8	4·0
	—27·5		—0·2	+0·2	—4		+0·5	
28. Coastal Mysore	7·0	292	32·3	20·1	71	57	2·5	2·5
	+4·6		+1·0	+0·1	0		+0·4	
29. Interior Mysore North	2·8	64	28·9	16·9	67	37	2·5	2·9
	—1·6		—1.0	+0·8	+6		+0·9	
30. Interior Mysore South	5·5	157	27·7	15·4	76	37	3·3	2·9
	+2·0		—1·1	+0·1	+5		+0·8	
31. Kerala	12·5	75	31·6	21·8	69	61	2·9	3·2
	—4·2		+0·4	—0·5	—6		+0·3	
32. Arabian Sea Islands	0·3	1	30·8	22·1	79	65	2·7	3·2
	—31·3		+0·7	—1·1	+5		—0·1	

OTE.—The entries in the second line for each division and sub-division indicate departures from normal.

*Data of Himachal Pradesh not included.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (3.0 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Bay Islands																														
Maya Bandar	28·3	..	30·0	9	21·7	..	20·0	3	0	21.2	..	20·6	12	1	..	14·8	10.6	..	0	2	0	0	0	0	0	0	0	0	0
Long Island	28·4	..	29·2	22	21·1	..	18·2	4	12.4	17·0	..	12·8	5	2	..	6·4	4·5	..	0	2	0	0	0	0	0	0	0	0	0
Port Blair	30·1	+1·1	31·3	29	20·9	−1·1	17·7	23	10·0	10.2	−35·3	8·8	16	1	−1·3	9·2	7·2	−6·5	1	2	0	0	0	0	0	0	0	0	0
Car Nicobar	29·1	..	29·6	30	23·6	..	18·8	7	5·0	3·0	..	3·0	14	1	..	10·0	7·2	..	0	1	0	0	0	0	0	0	0	0	0
Nancowry	31·7	..	32·9	31	23·9	..	22·7	8	0.2	2·0	..	1·6	31	0	..	0·4	0·1	..	2	0	0	0	0	0	0	0	0	0	0
Kondul	..	..	..	..	25·3	..	23·1	10	2·0	10·1	..	8·0	1	1	..	..	..	..	0	1	0	0	1	0	0	0	0	0	0
North Assam (including NEFA																														
Pasighat	22·5	..	25·7	31	10·9	..	7·4	2	11·2	37·4	..	20·2	5	3	..	8·1	13·1	..	0	4	0	0	1	0	0	0	0	0	0
Dibrugarh (Mohanbari)	23.4	+1·8	25.6	31	7·0	−1·1	3·5	1	0·3	12·0	−29·7	8·4	6	2	−1·7	4·1	1·9	−0·2	0	2	0	0	0	3	0	0	0	0	0
Digboi	22·6	..	24·8	31	9·3	..	6·5	1,3	2·6	17.0	..	10·1	5	2	..	..	..	..	0	3	0	0	0	0	0	0	0	0	0
Nroth Lakhimpur	23.2	+0·4	25·6	26	7·6	−1·3	4·8	1	1·9	24·2	−14·9	17·2	6	2	−1·3	4·0	2·2	..	0	4	0	0	1	6	0	0	0	0	0
Sibsagar	23·7	+2·3	26·1	21	10·2	+0.4	6·6	1	0	7·8	−22.9	4·0	4	2	−1·5	2·4	1·6	−0.2	0	2	0	0	0		0	0	0	0	0
Gohpur	22·6	..	25·7	13	8·9	..	4·8	7	0	16·6	..	16·6	5	1	..	3·6	2·6	..	0	1	0	0	0	26	0	0	0	0	0
Majbat	24·3	..	26·6	26	0.1	..	6·6	5	0	10·5	..	10·5	5	1	..	3·9	2·3	..	0	1	0	0	0	0	0	0	0	0	0
Jorhat (Aerodrome)	23.6	..	26.0	21	9·9	..	7·2	1	0	6·4	..	4·6	4	1	..	..	..	..	0	2	0	0	0	18	0	0	0	0	0
Tangla	25.5	..	26·8	20,21, 22	9·0	..	7·3	3	0	·0	..	0	..	0	..	1·5	0·9	..	0	0	0	0	0	0	0	0	0	0	0
Tezpur	24·2	+1·0	26·2	21	12·0	+0·6	10·1	1	0	9·2	−5·5	9·2	5	1	−0·5	4·5	3·3	+0·6	0	1	0	0	0	0	0	0	0	0	0
Golaghat	24·1	..	26 6	26	11·0	..	7·4	9	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Rangia	25·3	..	27·1	25,26	10·5	..	8·4	9	0	0	..	0	..	0	..	(b) 5·4	(b) 2·9	..	0	0	0	0	0	1	0	0	0	0	0
Chaparmukh	25·4	..	27·0	21,31,	12·5	..	..	..	(a) 0	0	..	0	..	0	..	(a) 5·2	3·2	..	0	0	0	0	0	0	0	0	0	0	0
Goalpara	25·6	..	27·6	31	9·8	..	5·5	8	0	0	..	0	..	0	..	2·3	1·4	..	0	0	0	0	0	0	0	0	0	0	0
Gauhati	23·7	0	25.0	21,27	..	..	..	..	..	0	−9·7	0	..	0	−1·1	..	..	..	0	0	..	..	..	..	..	..	..	..	..
Gauhati (Bhorjor)	24·4	+0·7	26·2	31	10·1	+0·7	7·1	8	0	0	−9·7	0	..	0	−1·1	4·3	2·3	..	0	0	0	0	0	16	0	0	0	0	0
Dhubri (Rupsi)	24·9	..	26·4	31	9·5	..	7·0	9	0	0	..	0	..	0	..	5·9	3·8	..	0	0	0	0	0	1	0	0	0	0	0
Dhubri	23·9	+0·9	26·6	29	12·8	+1·0	10·4	7	0	0	−7·9	0	..	0	−0.8	7·0	5·3	+0·3	0	0	0	0	0	2	0	0	0	0	0
Lumding	25·5	+2·4	27·8	21	8·4	0	5·2	9	0	0	−14·2	0	..	0	−1·4	3·5	2·3	..	0	0	0	0	0	0	0	0	0	0	0
South Assam (Including Nagaland, Manipur, Tripura)																														
Tura	23·8	..	26·7	16	9·3	..	6·7	2,3 8	0	0	..	0	..	0	..	4·0	5·2	..	0	0	0	0	0	0	0	0	0	0	0
Haflong	21·2	..	24·4	31	9·6	..	7·1	9	0	0	−16·8	0	..	0	−1·1	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Silchar (Kumbhirgram)	25·5	..	28·4	31	11·5	..	8·6	9	0	0	..	0	..	0	..	5·5	8·1	..	0	0	0	0	0	0	0	0	0	0	0
Silchar	22·7	−2·9	26·9	25	12·1	+0·8	9·5	9	0	0	−19·6	0	..	0	−1·5	2·7	1·2	−0·6	0	0	0	0	0	0	0	0	0	0	0
Imphal (Tulihal)	21·4	+0·3	23·6	30,31	2·4	−1·2	−0·7	2	0	0	−17·3	0	..	0	−1·7	6·1	3·8	−1·1	0	0	0	0	0	3	0	0	0	0	0
Kailashahar	26·1	..	28·4	31	9·7	..	5·8	9	0	0	..	0	..	0	..	2·5	1·5	..	0	0	0	0	0	3	0	0	0	0	0
Agartala	26·0	+0·5	28·7	17	9·3	−1·1	5·1	9	0	0	−17·2	0	..	0	−1.3	5·2	2·4	−1·4	0	0	0	0	0	2	0	0	0	0	0
Sub-Himalayan (West Bengal)																														
Baghdogra	24·9	+0·9	27·3	17	8·6	−0.1	6·0	12	0	0	−18·9	0	..	0	−1·6	6·5	4·1	+0·4	0	0	0	0	0	5	0	0	0	0	0
Jalpaiguri	24·9	+1·3	26·8	17,31	11·3	+0·7	9·4	8	0	0	−7·9	0	..	0	−0·7	3·4	2·2	+0·8	0	0	0	0	0	3	0	0	0	0	0
Cooch Behar	24·9	..	26·9	31	9·4	..	6·9	9	0	0	−6·6	0	..	0	−0·5	4·3	1·6	..	0	0	0	0	0	16	0	0	0	0	0
Balurghat	26·3	..	28·8	31	10·2	..	6·8	9	0	1·6	..	1·6	21	0	..	3·9	2·1	..	0	1	0	0	0	0	0	0	0	0	0
Malda	25·7	+2·1	27·9	22	11·8	+1·8	7·5	9	0	0	−13·7	0	..	0	−0.9	3·1	1·7	−2·6	0	0	0	0	0	0	0	0	0	0	0
Gangetic West Bengal																														
Berhampore	26·2	+1·4	28·6	22	12·1	+0·3	8·1	9	0	0	−9·1	0	..	0	−1·0	1·2	0·6	−1.2	0	0	0	0	0	23	0	0	0	0	0
Suri	26·3	..	28·9	29	12·5	..	7·3	9,10	..	0	..	0	..	0	..	..	4.1	..	0	0	0	0	0	0	0	0	0	0	0
Asansol	27·0	+1·6	29·9	22	11·3	−0·2	6·3	9	0	0	−17.0	0	..	0	−1·4	9·5	5·0	−0·3	0	0	0	0	0	1	0	0	0	0	0
Shanti Niketan	26·4	..	29·3	29	12·2	..	7·8	9	0	0·2	..	0·2	5	0	..	5·4	5·1	..	1	0	0	0	0	0	0	0	0	0	0
Krishnanagar	27·8	+2·2	29·8	22,29, 31	11·4	+0.5	6·5	9	0	0	−11·4	0	..	0	−0·9	2·0	1·5	−0·3	0	0	0	0	0	0	0	0	0	0	0
Purulia	26·0	−0·1	28·6	29	11.8	−1·0	7·7	11	0	0·4	−8·5	0·4	5	0	−1·1	2·2	3·8	+0·8	0	1	0	0	0	0	0	0	0	0	0
Bankura	27·3	..	30.5	29	13·0	..	8·8	9,10	0	0·8	−13·9	0·8	5	0	−1·2	3.2	2.0 (b)	..	0	1	0	0	0	0	0	0	0	0	0
Burdwan	27.4	+1·3	29·4	22	..	..	..	..	0	0	−11·4	0	..	0	−0·9	4·2	3·1	+1·2	0	0	0	0	0	0	0	0	0	0	0
Barrackpore (Aerodrome)	25.8	..	27·8	23	12·4	..	8·2	11	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	7	0	0	0	0	0
Calcutta (Dum Dum)	26·9	+0.6	29·6	30	12·9	+0·3	9·2	11	0	0·6	−8·0	0·6	5	0	−1·1	4·7	2·2	−1.8	0	1	0	0	0	14	0	0	0	0	0
Calcutta	27·0	+0·6	29·4	29	14·2	+1·6	10·6	10	0	0·5	−8·9	0·5	5	0	−0·8	5·7	3·2	0	0	1	0	0	0	1	0	0	0	0	0
Midnapore	27·0	−0·1	29·6	22	13·8	+0·7	9·9	12	0	1·6	−10·3	1·6	5	0	−0·9	5·7	3·3	+0·7	0	1	0	0	0	0	0	0	0	0	0

(a) Total or Mean of 30 days.

(b) Mean of 29 days.

TABLE II—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER—JANUARY, 1965 (PAUSA 11—MAGHA 11, 1886 SAKA)

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation 0·3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28	29
Gangetic West Bengal— *(contd.)*																													
Contai	26·8	0	30·1	30	14·8	+0·2	11·1	11	0	0	−13·5	0	..	0	−1·0	6·1	3·6	−0·6	0	0	0	0	0	5	0	0	0	0	0
Sagar Island	25·3	+0·3	27·9	30	16·5	+1·7	12·6	28	0·2	0·4	−10·0	0·2	5,6	0	−0·9	12·1	9·3	+0·4	2	0	0	0	0	18	0	0	0	0	0
Sandheads	27·7	..	32·9	2	20·2	..	14·7	14	0·8	3·3	−1·5	2·5	5	1	+0·5	..	..	..	0	2	0	0	0	0	0	0	0	0	0
Orissa																													
Baripada	28.4	..	30·9	29,30	12·7	..	8·7	11, 12	0	0·6	..	0·5	5	0	..	3·8	2·0	..	0	1	0	0	0	2	0	0	0	0	0
Jharsuguda	27·6	0	30·6	28,30	12·2	−0·5	..	..	0	3·3	−12·2	3·3	5	1	−0·3	7·2	5·5	−0.3	0	1	0	0	0	3	0	0	0	0	0
Keonjhargarh	25·6	..	28·4	27	..	..	..	..	0	1·2	..	1·2	5	0	..	4·6	3·5	..	0	1	0	0	0	1	0	0	0	0	0
Balasore	27·6	+0·4	30·1	29	13·3	−0·2	9·4	12	0	0	−13·5	0	..	0	−1·0	6·8	4·3	+1·4	0	0	0	0	0	0	0	0	0	0	0
Sambalpur	27·8	+0·1	30·5	31	12·4	−0·4	8·2	12	0	(d) 0	..	..	..	..	..	3·5	2·3	−1·1	..	..	0	0	0	0	0	0	0	0	0
Angul	27·4	−0·3	30·4	30	13·8	+0·4	10·0	11	3·4	8·6	−2·6	5·6	5	1	+0·1	6·5	4·7	−0·1	0	3	0	0	0	2	0	0	0	0	0
Chandbali	27·6	+0·2	29·4	18	14·4	0	10·5	10, 11	0	1·0	−4·1	1·0	5	0	−0·7	7·1	4·8	−1·0	0	1	0	0	0	0	0	0	0	0	0
Bolangir	27·5	..	30·6	30	13·9	..	10·0	12	5·8	11·0	..	7·0	5	2	..	3·6	3·1	..	0	2	0	0	0	2	0	0	0	0	0
Phulbani	25·6	..	28·7	30	11·7	..	7·3	12	11·4	27·5	..	21·2	5	2	..	3·0	1·2	..	1	2	0	0	0	4	0	0	0	0	0
Cuttack	29·3	+0·9	32·1	30	16·0	+0·6	12·3	13	6·1	9·3	+1·2	6·1	7	1	+0·3	4·1	2·3	+0·5	0	3	0	0	0	0	0	0	0	0	0
Titlagarh	28·1	..	30·5	30	14·4	..	9·8	12	4·8	24·4	..	15·8	5	2	..	3·0	1·7	..	0	3	0	0	0	0	0	0	0	0	0
Bhubaneswar	28·3	−0·3	30·9	30	15·8	−0·1	11·5	12	8·2	15·9	+4·3	8·2	7	2	+1·3	9·1	6·7	−2·4	0	2	0	0	0	1	0	0	0	0	0
Puri	27·3	+0·6	29·1	3	16·5	−1·1	13·4	11	0	0	+10·4	0	..	0	−0·6	10·3	8·1	−1·9	0	0	0	0	0	0	0	0	0	0	0
Gopalpur	27.8	+0·8	29·4	28	16·7	−0·1	14·5	3	0	10·0	+2·9	10·0	8	1	+0·5	11·0	8·3	+1·5	0	1	0	0	0	0	0	0	0	0	0
Koraput (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bihar Plateu																													
Dumka	26·3	+1·9	29·0	22	11·7	+1·2	7·2	9	0	0	−17·0	0	..	0	−1·3	6·6	3·3	+1·2	0	0	0	0	0	0	0	0	0	0	0
Daltonganj	25·3	+0·9	29.0	21	9·0	+0·4	4·2	11	0	0	−23·4	0	..	0	−1·9	3·3	2·8	−0·1	0	0	0	0	0	0	0	0	0	0	0
Hazaribagh	22·3	−0·4	24·9	21	9·3	−0·9	3·9	12	0	0	−22·6	0	..	0	−1·9	11·2	7·8	−0·6	0	0	0	0	0	0	0	0	0	0	0
Dhanbad	26·1	..	29·0	22,28 29	13.4	..	9·8	11	0	0	..	0	..	0	..	3·5	3·1	..	0	0	0	0	0	0	0	0	0	0	0
Ranchi	23·4	+0·3	25·7	30	11·5	+0·5	9·7	10, 12	0	0	−23·4	0	..	0	−1·8	4·2	3·0	−2·6	0	0	0	0	0	0	0	0	0	0	0
Ranchi Aerodrome	23·2	..	25·9	29	11·0	..	7·6	12,13	0	0	..	0	..	0	..	11·2	8·2	..	0	0	0	0	0	0	0	0	0	0	0
Jamshedpur	27·2	+0·3	30·4	29	11·1	+0·4	6·9	10	0	1·2	−7·9	1·2	5	0	−0·9	4·7	2·5	+0.1	0	1	0	0	0	29	0	0	0	0	0
Jamshedpur(P.B.O.)	26·6	..	29·4	28,29	11·9	..	7·5	10	0	2·0	..	1·4	5	0	..	5·9	3·4	..	0	2	0	0	0	0	0	0	0	0	0
Chaibasa	27·0	+0·8	30·0	29	11·4	+0·1	7·1	11	0	5·8	−10·5	5·8	5	1	−0·4	3·1	2·2	+0·1	0	1	0	0	0	0	0	0	0	0	0
Bihar Plains																													
Motihari	23·9	+1·1	26·9	17	..	..	..	..	0	0·1	−11·8	0·1	21	0	−1·1	4.3	2·7	+0·3	1	0	0	0	0	0	0	0	0	0	0
Forbesganj	25·1	..	27·5	17	8·5	..	5·4	7	0	0	..	0	..	0	..	6·3	3·3	..	0	0	0	0	0	3	0	0	0	0	0
Darbhanga	25·0	+1·5	27·3	31	9·9	0	6·8	9	0	0	−11·2	0	..	0	−1·0	2·9	2·0	−0·3	0	0	0	0	0	0	0	0	0	0	0
Muzaffarpur	..	..	..	..	..	..	..	..	..	0	−13·2	0	..	0	−1·1	..	.	..	0	0	0	0	0	0	0	0	0	0	0
Chapra	24·8	..	27·2	29	11·5	..	8·2	9,10	0	0	−14·5	0	..	0	−1·3	3·0	2·4	..	0	0	0	0	0	5	0	0	0	0	0
Purnea	25·2	+1·5	27·8	30	6·9	−1·8	3·5	9	0	0	−10·4	0	..	0	−0·8	6·4	2·9	+0·6	0	0	0	0	0	0	0	0	0	0	0
Patna	25·1	+2·3	27·9	17	11·2	+0·6	7·6	8	0	0	−15·0	0	..	0	−1·3	5·8	5·5	+2·0	0	0	0	0	0	2	0	0	0	0	0
Patna Aerodrome	24·3	..	26·8	29	8·9	..	5·4	9	0	0	..	0	..	0	..	9·2	4·1	..	0	0	0	0	0	1	0	0	0	0	0
Arrah	..	..	..	..	..	..	..	..	..	0	−17·0	0	..	0	−1·3	..	..	..	0	0	..	..	..	.	..	..	..	..	..
Bhagalpur	25·9	+1·9	28·5	22,30	12·3	+0·5	9·3	11	0	0	−34·5	0	..	0	−1·8	8·0	5·3	+0·3	0	0	0	0	0	0	0	0	0	0	0
Sabaur	24·6	+1·3	27·8	17,31	7·9	+0·7	4·0	9	0	0	−13·7	0	..	0	−1·1	7·8	3·7	−1·3	0	0	0	0	0	0	0	0	0	0	0
Jamui	26·1	..	27·9	30,31	10·3	..	..	..	0	0	..	0	..	0	..	4·8	3·9	..	0	0	0	0	0	0	0	0	0	0	0
Dehri	25·0	..	27·8	28	12·0	..	9·3	11, 13	0	0	−17·3	0	..	0	−1·5	8·3	3·6	..	0	0	0	0	0	0	0	0	0	0	0
Gaya	24·9	+1·4	27·4	28,29	9·6	0	4·8	11	0	0	−18·3	0	..	0	−1·3	8·3	4·9	−0·2	0	0	0	0	0	0	0	0	0	0	0
Uttar Pradesh (East)																													
Kheri (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Bahraich	24·1	+1·5	27·2	17	9.0	+0·6	5·5	9,10	0	8·2	−12·6	8·2	21	1	−0·6	6·4	3·9	+1·3	0	1	0	0	0	0	0	0	0	0	
Nautanwa	24·8	..	26·6	16	4·9	..	1·2	27	0	4·6	..	4.6	21	1	..	1·0	2·0	..	0	1	0	0	0	0	0	0	0	0	0
Hardoi	23·7	+1·6	26·6	17	8·7	+0·2	5·4	9,11	0	0	−38·8	0	..	0	−2·8	7·6	5·3	+0·8	0	0	0	0	0	0	0	0	0	0	0
Gonda	23·9	+0·7	26·8	17	8·5	+0·8	4·5	10	0	0	−12·9	0	..	0	−1·2	5·4	1·1	−0.2	0	0	0	0	0	0	0	0	0	0	0
Lucknow	23·6	+0·3	28·0	28	9·3	+0·9	7·0	6	0	1·2	−18·1	1·2	3	0	−1·5	3·4	2·8	+0·7	0	1	0	0	0	2	0	0	0	0	0
Lucknow (Amausi)	24·2	+1·3	28·9	20	7.8	−0·2	4·3	11	0	1·2	−18·1	1·2	3	0	−1·5	5·4	(a) 6·5	..	0	1	0	0	0	0	0	0	0	0	0
Faizabad	24·6	..	27·0	17,25	9·1	..	5·1	11	0	0	..	0	..	0	..	4·6	2·3	..	0	0	0	0	0	5	0	0	0	0	0
Gorakhpur	24·6	+1·8	27·2	16,17	10·8	+1·6	7·4	8	0	0	−15·0	0	..	0	−1·3	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Kanpur	24·1	+1·9	27·5	20	10·2	+2·6	5·7	6	0	0	−14·2	0	..	0	−1·4	11·1	6·5	+2·8	0	0	0	0	0	0	0	0	0	0	0
Kanpur (Aerodrome)	24·4	..	27·4	19	9.3	..	4·8	9,11	0	0·4	..	0·4	3	0	..	..	..	..	0	1	0	0	4	0	0	0	0	0	0
Sultanpur	25·1	..	27·5	21,30	8·9	..	5·4	12	0	0	..	0	..	0	..	4·7	3·3	..	0	0	0	0	0	0	0	0	0		0

(d) Total for 27 days. (R) Register not received. (a) Mean of 30 days.

Sub-Division and Station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation 0·3	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Uttar Pradesh (East)—(Contd.)																													
Azamgarh	25·5	..	27·9	29,31	9·4	..	5·7	11	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Fatehpur	24·8	+0·8	28·7	20	8·2	+0·2	5·0	9,12	0	0	−13·7	0	..	0	−1·4	8·5	4·1	+0·9	0	0	0	0	0	0	0	0	0	0	0
Ballia	24·9	..	27·5	29	7·6	..	4·3	11	0	0	..	0	..	0	..	3·5	2·9	..	0	0	0	0	0	0	0	0	0	0	0
Banda	24·9	..	30·5	15	9·5	..	6·4	11	0	0	..	0	..	0	..	2·0	0·9	..	0	0	0	0	0	0	0	0	0	0	0
Allahabad (Bamrauli)	25·5	+1·7	28·5	20	9·5	+1·1	5·8	12	0	2·8	−18·8	2·8	3	1	−0·1	3·9	1·6	−2·6	0	1	0	0	0	1	0	0	0	0	0
Varanasi ((Babatpur)	24·9	+1·7	27·7	29	8·8	−0·5	5·6	11	0	3·0	−20·5	3·0	3	1	−1·1	9·6	6·6	−0·1	0	1	0	0	0	0	0	0	0	0	0
Varanasi	24·6	+1·2	27·9	21	9·7	+0·8	6·0	11	0	1·8	17·0	1·8	3	0	−1·5	8·0	6·2	+2·7	0	1	0	0	0	0	0	0	0	0	0
Uttar Pradesh (West)																													
Mukhim	13·8	..	18·1	12	4·6	..	0·1	4	..	..	..	..	..	..	..	..	..	..	..	..	3	0	1	2	1	0	0	0	0
Tehri	21·0	..	24·4	25	4·8	..	2·1	9	2·2	36·2	..	27·3	20	2	..	1·5	0·8	..	1	2	0	0	0	5	0	0	0	0	0
Dehra Dun	20·8	+1·9	23·7	11	5·9	−0·8	2·3	8	6·2	27·6	−31·3	22·2	20	2	−1·9	3·3	3·0	+0·6	0	2	0	0	2	0	0	0	0	0	0
Mussoorie	..	..	..	..	..	..	..	..	14·8	74·5	..	23·6	4	2	..	2·5	2·0	..	0	2	1	0	0	0	0	0	0	0	0
Roorkee	22·0	+1·8	24·8	17	6·6	+0·1	3·0	11	0	26·6	−15·8	20·8	20	2	−0·8	5·6	3·6	+0·7	0	2	0	1	3	0	0	0	0	0	0
Najibabad	22·5	..	25·9	16	5.0	..	1·3	9	0	51·5	..	51·5	20	1	..	3·3	4.7	..	0	1	0	1	1	0	0	0	0	0	0
Meerut	23·7	+2·6	26·8	2	7.6	+0·4	4·3	11	..	19·0	−12·7	11·0	20	2	−0·5	.	6·8	..	0	3	0	0	0	0	0	0	0	0	0
Bareilly	23·7	+2·1	26·5	17	9·7	+1·8	6·1	11	0	9·2	−15·9	5·2	4	2	+0·1	9·0	6·1	+3·7	0	2	0	0	1	6	0	0	0	0	0
Aligarh	..	..	..	..	8·9	+1·6	6·0	10	0	0	−11·7	0	..	0	−1·2	10·3	7·3	+2·0	0	0	0	0	0	2	0	0	0	0	0
Mainpuri	25·3	+2.4	29·0	20	..	..	..	..	0	0	−14·5	0	.	0	−1·3	6·1	3·2	+0·9	0	0	0	0	0	2	0	0	0	0	0
Agra	24·3	+1·7	28·5	20	8·9	+2·1	5·5	11	0	0	−12·9	0	..	0	−1·2	2·7	2·7	−1·6	0	0	0	0	0	0	0	0	0	0	0
Agra (Aerodrome)	24·6	..	27·9	19	8·0	..	4·5	9	3·8	7·6	..	7·6	3	1	..	..	..	..	0	1	0	0	0	3	0	0	0	0	0
Orai (R)																													
Jhansi	25·2	+0·7	28·5	2	9·8	+1·2	6·0	9	0	0.3	−13·4	0·3	3	0	−1·2	3·5	3·2	−0·3	0	1	0	0	0	0	0	0	0	0	0
Punjab (Including Delhi)																													
Pathankot	20·2	+1·8	23·3	16	5·4	−0·2	1·8	8	18·7	52·1	−40·1	40·9	20	3	−2·2	..	..	..	0	5	0	0	2	0	0	0	0	0	0
Bhuntar	17·0	..	21·9	19	1·7	..	−1·0	2,8	12·3	57·2	..	44·9	20	2	..	5·3	4·2	..	0	6	0	0	0	0	0	0	0	0	0
Amritsar (Rajasansi)	21·3	+2·4	26·2	15	5·5	+0·8	1·4	11	4·5	12·1	−25·0	7·6	19	2	−0·9	9·0	6·3	−0·4	0	2	0	0	1	1	0	0	0	1	0
Adampur (Aerodrome)	21·7	..	25·5	19	4·5	..	0·6	8,9	17.0	25·6	..	14·7	20	2	..	8·0	..	..	0	3	0	0	2	8	0	0	0	0	0
Ludhiana	22·5	+3·1	27·0	19	7·1	+0.6	3·6	9	0·8	21·0	−17·3	17·0	20	2	−0·7	5·3	4·1	+2·0	0	2	0	0	2	1	0	0	0	0	0
Ferozepore	21·1	..	26·0	15,19	..	..	..	..	1·0	1·0	..	1·0	20	0	..	3·7	3·0	..	0	1	0	0	0	0	0	0	0	0	0
Halwara (Aerodrome)	21·3	..	24·8	18	5·7	..	1·4	..	0	18·8	..	13·7	3	2	..	7·3	..	..	0	2	0	0	2	2	0	0	0	0	0
Chandigarh	21·6	+1.5	24·5	18,31	7·3	0	5·1	5	8·8	21·1	−34·9	13·7	20	2	−2·6	..	..	..	0	2	0	0	0	0	0	0	0	0	0
Ambala	22·3	+1·7	24·6	19	7·6	+1·3	4·6	12	22·2	29·4	−4·1	22·2	4	2	−0·5	(a) 5·4	(b) 4·9	+0·9	0	2	0	0	1	0	0	0	0	0	0 (a)
Ambala (Aerodrome)	22·0	..	25·0	2	6·5	..	2·9	10	14·4	23·1	..	15·4	4	2	..	..	..	..	0	2	0	0	2	1	0	0	0	0	0
Patiala	21·7	..	25·6	14	8·1	..	5·2	6	4·2	24·2	−13·4	20·0	20	2	−1·0	10·6	9·6	..	0	2	0	1	1	2	0	0	0	0	0
Bhatinda	22.8	..	27·4	18,19	6·5	..	1·4	7	0	3·4	..	3·4	13	1	..	1·4	1·8	..	0	1	0	0	0	0	0	0	0	0	0
Karnal	21·4	..	24·2	2	6·9	..	3·8	9	2·0	3·2	..	2·0	4	0	..	..	..	..	0	2	0	1	0	0	0	0	0	0	0
Hissar	23·4	+1.8	27·9	19	7·6	+2·4	3·4	7	0	4·0	−8·7	4·0	3	1	−0·4	6·2	5·6	+0·3	0	1	0	0	0	4	0	0	0	0	0
New Delhi (Safdarjung)	22.6	+1.5	25·8	19	8·6	+1·3	5·5	10	1·0	8·8	−16·5	3·9	3	2	..	15·6	10·3	+1·3	0	4	0	1	4	4	0	0	0	0	0
Palam (Aerodrome)	21·7	..	25·6	20	8·0	..	3·3	9	0	3·6	..	2·5	3	1	..	..	..	..	0	2	0	0	3	3	0	0	0	0	0
Himachal Pradesh																													
Mandi	20·9	+3·2	26.9	18	1·2	−2·5	0·5	10, 11, 13,	8.2	47·3	−34·7	37.2	20	2	−4·2	1·7	1·5	−0·7	0	2	0	0	0	11	0	0	0	0	0
Bilaspur	27·5	..	33·4	28	6·8	..	4·3	5	8·0	28·0	..	18·0	20	2	..	1·1	0.9	..	0	2	0	0	1	3	0	0	0	0	0
Jammu and Kashmir																													
Miagar (R)																													
Gilgit (R)																													
Skardu (R)																													
Dras	..	..	..	..	..	..	..	..	..	1·2	−96.1	0.5	20	0	−9·6	..	..	..	3	2	2	0	0	0	0	0	0	0	0
Sonemarg	..	..	..	..	..	..	..	..	..	46·3	−215·3	21·5	21	4	−7·9	..	..	..	0	5	3	0	0	0	0	0	0	0	0
Leh	−0·3	+1·1	5·6	19,30	12·4	+0·9	−18·3	7	..	3·1	−6·6	2·6	4	2	+1·0	4·1	4·2	+2·4	0	2	2	0	0	0	0	0	0	0	0
Srinagar	1·4	−3·6	−6·5	29	−3·0	−0·4	−5·7	7	61·5	89·9	+16·2	53·2	20	5	−1·1	4·4	4·1	+0·6	0	6	8	0	0	2	0	0	0	0	0
Srinagar (Aerodrome)	1·3	..	6·1	23	−3·4	..	−6·6	14	32·0	65·0	..	38.1	20	5	..	..	..	..	0	5	12	0	0	3	0	0	0	0	0
Gulmarg	closed during winter months																												
Qazigund	1.6	..	6.9	20	−4·9	..	−12·0	10	67·1	165·8	..	89·2	20	7	..	0·8	1·0	..	0	9	7	0	1	10	0	0	0	0	0
Banihal	10·3	..	17·1	13	0·5	..	−3·6	5	66·6	152·5	..	71·7	20	7	..	..	..	..	0	8	5	0	2	0	0	0	0	0	0
Jammu	21·5	+3·1	24·8	15	7.9	−0·9	5·4	8	50·2	66·6	+1·8	58·0	20	3	−0·9	..	..	..	0	3	0	0	0	0	0	0	0	0	0
Jammu (Aerodrome)	20·1	..	23·2	16,19	8·6		4·1	6	15.6	66·3	..	56·0	20	3	..	..	..	..	0	3	0	1	2	0	0	0	0	0	0

(R)—Register not received.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, kms. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Rajasthan (West)																														
Ganganagar	24·0	+3·6	28·8	15	6·2	−0·2	3·1	11	0	0	−15·1	0	..	0	−1·6	3·7	2·3	−0·8	0	0	0	0	3	0	0	0	0	0	0
Anupgarh (R)																														
Mahajan	24·4	..	30·3	15	..	..	..	..	0	0	..	13·2	3	1	..	0	13·2	..	..	1	0	0	0	1	0	0	0	0	0
Churu	24·1	..	29.4	16	7·4	..	3·5	9	3·3	4·4	..	3·0	3	1	..	7·0	5·0	..	0	2	0	0	0	3	0	0	0	0	0
Bikaner	25·6	+3·7	31.4	13	8·1	+3·2	4·1	10	0	4·2	−2·7	4.2	2	1	+0·2	5·2	3.5	−1·3	0	1	0	0	0	1	0	0	0	0	0
Nagaur	26·1	..	31.0	15	10·1	..	5·1	8	0	1·0	..	1·0	3	0	..	5.7	6·1	.	0	1	0	0	0	0	0	0	0	0	0
Phalodi	26·4	..	31·9	16	9·5	..	6·0	6,8, 10	0	0	−3·8	0	..	0	−0·3	10·0	6·9	..	0	0	0	0	0	0	0	0	0	0	0
Jaisalmer	26·4	..	32·5	16	10·9	..	6·6	7,20	0	0	..	0	..	0	..	10.0	8.4	..	0	0	0	0	0	0	0	0	0	0	0
Jodhpur	27·1	+2·5	31.8	13	12.8	+3·6	5.6	21	1·3	5·1	+1·3	3·7	2	1	+0·7	8.7	6·8	−4·3*	0	2	0	0	0	1	0	0	0	0	0
Barmer	28·6	+3.9	33·5	5, 17	13·5	+3·5	10·2	6	0	0	−4·6	0	..	0	−0·4	6·0	4·9	−2·7*	0	0	0	0	0	0	0	0	0	0	0
Erinpura (Jawai Dam)	28·1	..	32·4	12	11·8	..	7·9	9	6·1	17·1	.	11·0	2	2	..	1·6	1·2	..	0	2	0	0	0	0	0	0	0	0	0
Munabao*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
Rajasthan (East)																														
Pilani	24·0	..	28·0	14	6·3	..	1·5	5,7	0	0	..	0	..	0	..	8·4	6·7	..	0	0	0	0	0	2	0	0	0	0	0
Sikar	25·1	..	29·2	29	7·0	..	2·2	8,11	0	0	..	0	..	0	..	3·8	3·4	..	0	0	0	0	0	0	0	0	0	0	0
Alwar	24·2	..	28·5	19	9·9	..	6·3	5,7	0	0	..	0	..	0	..	3·6	1·8	.	0	0	0	0	0	1	0	0	0	0	0
Jaipur (Sanganer)	24·7	+2·1	29·6	13	9·8	+1·6	4·4	11	0·2	1·4	−9·8	0.8	2	0	−1·0	..	..	..	0	2	0	0	0	0	0	0	0	0	0
Dholpur	24·6	..	30·6	20	8·4	..	4·3	7	2.4	3·6	..	3·2	3	1	..	5·0	3.0	..	0	2	0	0	0	0	0	0	0	0	0
Ajmer	25·6	+3·0	30·6	1	9.3	+1·7	6·2	5	4·0	7·4	−2·0	2·8	4	2	+1·0	6·3	3·7	+1·1	0	3	0	0	0	0	0	0	0	0	0
Tonk	26.1	..	31·4	13	9·8	..	4·8	10, 11	2·2	2·8	..	2·8	3	1	..	6.1	4·6	..	0	1	0	0	0	0	0	0	0	0	0
Bhilwara	25·3	..	30·7	13	9·9	.	6·8	8	3·6	5·9	..	3·6	3	1	..	6·5	4·6	..	0	2	0	0	0	1	0	0	0	0	0
Kota	26·2	+1·1	31·2	13	12·4	+1·8	8·3	6	0	4·4	−1·7	4·4	3	1	+0·4	4·3	3·0	+0·9	0	1	0	0	0	0	0	0	0	0	0
Kota (Aerodrome)	25·5	..	30·0	13	12·2		8·4	6	0	4·4	..	4·4	3	1	..	7.7	5·9	.	0	1	0	0	0	0	0	0	0	0	0
Chambal (Rawat Bhatta Dam)	26·4	..	31.8	13	11·7	..	8·5	10	0	4·0	..	4·0	3	1	..	6·2	3·9	..	0	1	0	0	0	0	0	0	0	0	0
Udaipur	25·4	+1·1	30.8	13	9·8	+1·2	7·4	10	15·9	26·5	+21·4	18·3	3	2	+1·6	2·8	1·3	..	0	2	0	0	0	0	0	0	0	0	0
Jhalawar	26·7	+1·2	31·5	13	11.2	+2·4	8·0	11	0	7·0	−0·1	7.0	3	1	+0·3	5·4	3·6	+0·4	0	1	0	0	0	0	0	0	0	0	0
Banswara	29·2	..	33·6	13	13·9	..	8·8	5	2·6	9·2	..	8·9	2	1	..	8·0	7·7	..	0	2	0	0	0	0	0	0	0	0	0
Madhya Pradesh (West)																														
Gwalior	24·8	+1·9	29·2	19,20	7·8	0	3·5	8	0	3·0	−15·8	3.0	3	1	−0·5	8·0	4·1	..	0	1	0	0	0	1	0	0	0	0	0
Sheopur	26·3	+1·8	30·4	13	9.0	+1·2	5·3	9	0	5·0	−10·3	5·0	3	1	−0.9	6.9	5.4	0	0	1	0	0	0	0	0	0	0	0	0
Shivpuri	24·5	..	30·8	29	6·9	..	1·8	10, 11	0	5·4	..	5·4	3	1	..	4·1	3·5	..	0	1	0	0	0	0	0	0	0	0	0
Nowgong	25·3	+1·5	29·5	20	8·0	−0·1	3·8	11	0	1·0	−14·0	1·0	3	0	−1·5	5.4	2·5	+0·7	0	1	0	0	0	2	0	0	0	0	0
Guna	26·2	+1·1	29·2	13,14	9·6	+2.0	2.9	11	0·2	4·0	−2·6	3·2	3	1	−0·2	8·7	6·1	..	2	2	0	0	1	0	0	0	0	0	0
Nimach	25·9	+0·8	30·3	13	12·3	+3·1	9·4	4	0·9	5·4	+0·3	4·2	3	1	+0·6	8.1	6·3	−0.1	0	2	0	0	0	0	0	0	0	0	0
Rajgarh	27·1	..	31·6	15	10·9	..	5·3	11	0	7·7	..	6·2	3	1	..	7·7	5·7	.	0	2	0	0	0	0	0	0	0	0	0
Sagar	25·3	+0·1	28·7	30	12·6	+1·2	9·7	7	0	2·0	−12·5	2.0	3	0	−1·3	8·8	6·6	..	0	1	0	0	0	0	0	0	0	0	0
Ratlam	27.4	+0·9	31.0	13	12·5	+1·4	9·3	6	0	21·6	+13·6	19·8	3	1	+0·3	11·3	9·0	−1·0	0	3	0	0	0	0	0	0	0	0	0
Bhopal (Bairagarh)	26·5	+0·2	29·2	29	11·8	+1·9	8·2	11	0.7	3·9	−2·2	3·2	3	1	+0·2	10·1 (a)	8·4	+0·2	0	2	0	0	0	0	0	0	0	0	0
Ujjain	27·1	..	30·2	12,31	10·7	..	7·1	18	0	29·2	..	16·4	25	3	..	9·4	6·9	..	0	4	0	0	1	0	0	0	0	0	0
Narsinghpur	27·2	..	30·6	27,28	8·9	..	3·8	12	6·0	6·0	..	6·0	4	1	..	4·6	2·5	..	0	1	0	0	0	0	0	0	0	0	0
Hoshangabad	27·5	+0·6	30·7	29,30	13·7	+1·4	10·0	12	0·8	7.2	−3·0	6·4	3	1	+0·1	5·3	5·2	+1·8	0	2	0	0	0	0	0	0	0	0	0
Indore	26·8	+0·4	29·8	30	11·9	+2·2	9·1	6	1·6	16·0	+9·9	8·3	3	2	+1·5	9·7	7·7	..	0	4	0	0	1	0	0	0	0	1	0
Rajpur (Jhabua)	28·9	..	32·2	14	13·1	..	10·0	5,20	2·2	11·1	..	8·2	3	2	..	5·3	2·5	..	0	3	0	0	0	0	0	0	0	0	0
Chhindwara	26·4	+0·3	29·2	30,31	11·2	+0·6	7·6	12	10·6	23·4	+2·3	10.4	8	3	+1·4	5·0	3·0	−1·5	1	3	0	0	0	0	0	0	0	0	0
Seoni	26·1	+0·1	29·6	30	11·7	+0·6	8·4	2,12	10·0	18·4	+4·4	7·0	8	3	+1·8	6·6	4·5	+0·8	0	5	0	0	0	0	0	0	0	0	0
Betul	27·0	+0·5	29·5	30	11·9	+0·8	7·6	12	6·6	11·6	+4·3	4·2	8	3	+2·1	5·9	3·6	−1·1	0	4	0	0	0	0	0	0	0	0	0
Khandwa	30·2	+0·9	32·9	30	12·9	+1·5	9·2	1	0	9·4	+1·5	8·2	9	1	+0·4	6·6	5·1	+0·8	0	2	0	0	1	0	0	0	0	0	0
Madhya Pradesh																														
Satna	25·9	+2·0	32·8	30	9·2	+0·3	5·1	10	0·4	0·4	−20·9	0·4	4	0	−1·8	4·0	2·9	−0·5	0	1	0	0	0	0	0	0	0	0	0
Rewa	25·1	..	27·9	20	9·3	..	5·0	11, 12	0·1	0·1	..	0·1	4	0	..	4·4	2·1	..	1	0	0	0	0	0	0	0	0	0	0
Sidhi	26·1	..	28·6	29	8·3	..	4·4	12	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Umaria	25·7	+0·7	28·9	29	8·7	+0·6	4·3	11	0	0	−25·7	0	..	0	−2·1	5·3	3·0	−0·4	0	0	0	0	0	1	0	0	0	0	0
Jabalpur	26·7	+1·5	30·4	27	10·3	+1·5	5·5	11	0.4	0·4	−20·4	0·4	4	0	−1·7	5·5 (c)	3·0 (d)	+0·7	0	1	0	0	0	0	0	0	0	0	0
Ambikapur	24·0	+0.1	26·7	30	9·1	+0·5	5·2	10, 12	0	0·8	−21·1	0·8	5	0	−2·2	7·5	4·6	−1·5	0	1	0	0	0	2	0	0	0	0	0
Joshpurnagar	23·3	..	26·0	31	8·5	..	3·9	11	0	3·5	..	3.4	5	1	..	6·5	3·7	..	1	1	0	0	0	1	0	0	0	0	0
Pendra	23·8	+0·1	27·4	28	11·6	+1.3	9·0	1	0·6	4·0	−17·6	3.4	5	1	−0·7	6·9	4·6	..	1	2	0	0	0	1	0	0	0	0	0
Mandla	26·3	+0·3	29·5	30	9·1	+0·3	4·4	12	1·2	2·8	−25·9	1.2	8	0	−2·7	4·4	2·0	0	0	3	0	0	0	0	0	0	0	0	0
Champa	27·0	−0·5	30·6	30	12·7	−1·0	9·4	12	3·0	12·0	−11·2	9·0	5	2	+0·5	5·6	4·4	−0·5	0	2	0	0	0	0	0	0	0	0	0
Raigarh	28·2	−0·2	31.6	30	13·5	−0·1	9·0	12	0	1·6	−16·8	1·6	5	0	−1·3	4.2	3·3	−0·7	0	1	0	0	0	0	0	0	0	0	0
Raipur	26.7	−0.9	29·7	29	14·0	+0.8	10·9	12	11·3	21·4	+12·0	7·4	7	4	+3.2	5·4	3·8	−0·7	0	5	0	0	0	2	0	0	0	0	0
Kanker	26·7	−1·4	29·6	31	13·2	+1·9	9·4	2	8·3	28·5	+23·4	10·9	6	3	+2·5	2·9	2·1	−0·8	0	3	0	0	0	1	0	0	0	0	0
Jagdalpur	28·0	+0.1	29·5	31	13·2	+1·7	9·2	13	0·2	7·8	−2·1	5·8	7	1	+0·3	4·4	2·5	..	2	2	0	0	1	5	0	0	0	0	0

(R) = Register not received. *Departure indicated relates to 1940 normals accepted provisionally.
*Data available for less than 15 days hence no means.

(a) Mean of 30 days.
(c) Mean of 28 days.
(d) Mean of 27 days.

TABLE II—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER—JANUARY 1965 (PAUSA 11—MAGHA 11, 1886 SAKA)

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Gujarat Region (including Daman, Dadra and Nagar Havela)																													
Deesa	29·5	..	33·6	16,31	..	..	..	..	4·8	16·1	..	11·0	2	2	..	9·4	6·7	..	0	2	0	0	0	0	0	0	0	0	0
Radhanpur	..	..	..	..	12·9	..	9·1	27	6·2	18·2	..	12·0	2	2	..	6·4	4·8	..	0	2	0	0	0	0	0	0	0	0	0
Idar	29·2	..	33·5	14	16·6	..	11·9	19	14·2	16·6	..	16·6	3	1	..	7·2	7·1	..	0	1	0	0	0	0	0	0	0	0	0
Ahmedabad	30·0	+0·9	34·5	13	14·7	+3·1	10·5	5	8·4	16·2	+15·7	14·3	3	2	+1·9	9·7	5·5	+1·5	0	2	0	0	0	1	0	0	0	0	0
Dohad	28·5	+0·4	32·2	13	14·0	+2·2	10·5	5	0	10·8	+7·8	10·8	3	1	+0.6	7·1	5.8	−3.3	0	1	0	0	1	0	0	0	0	0	0
Vallabh Vidyanagar	30·6	..	34·4	12	14·1	..	10·1	5	0	11·0	..	11·0	3	1	..	9·6	6·7	..	0	1	0	0	0	0	0	0	0	0	0
Baroda (Aerodrome)	31·3	..	35·4	16	14.7	..	9·4	5	0	8·2	..	8·2	3	1	..	7·7	6·0	..	0	1	0	0	0	0	0	0	0	0	0
Baroda	31·9	+1·9	35·8	12,13, 30	15·3	+4·4	11·4	5	1·2	6·8	+4·3	6·8	3	1	+0·7	1·7	0·9	−3·0	0	1	0	0	0	0	0	0	0	0	0
Broach	32·4	+1·0	36·3	31	14 5	+1·7	10·5	6	1·0	8·1	+6·9	8.0	3	1	+0·9	4·4	3·4	−2·5	1	1	0	0	0	0	0	0	0	0	0
Surat	33·0	+2·6	36·6	12	17·4	+3·1	13·0	6	1	0	−2·8	0	..	0	−0·2	10·2	7·7	+3·2	0	0	0	0	0	0	0	0	0	0	0
Saurashtra & Kutch (including Diu)																													
Naliya	29·4	..	34·6	15	11·4	..	8·2	4,5	0	0	..	0	..	0	..	8·2	4·2	..	0	0	0	0	0	3	0	0	0	0	0
Bhuj (Rudramata)	28·9	+2·6	33·6	17	12·7	+2.0	9·1	9	0.3	3·7	+1·7	3·4	2	1	+0·8	8·7	6·8	−2·2	0	2	0	0	0	3	0	0	0	0	0
Kandla (Aerodrome)	29·5	..	34·3	13	15·2	..	12·5	4	6·0	15·8	..	9·2	2	2	..	13·3	14·1	..	0	2	0	0	0	0	0	0	0	0	0
New Kandla	27·6	..	33·6	13	16·6	..	13·9	8	9·2	21·2	..	12·0	2	2	..	9·5	10·2	..	0	2	0	0	0	0	0	0	0	0	0
Mandvi	26·7	+1·1	31·5	31	16·4	+2·2	13·3	5	0	9·0	+7·6	9·0	2	1	+0·7	12·5	13·4	−1·9	0	1	0	0	0	8	0	0	0	0	0
Surendranagar	30·1	+1·9	34·8	13	16·1	+3·2	13·3	6,	11·6	12·7	+12·3	12·7	3	1	+1·0	7·4	6·4	−3·1	0	1	0	0	0	0	0	0	0	0	0
Okha	24·9	..	30·4	15	19·5	..	15·8	3	3.0	23·6	..	20·6	2	2	..	12·2	14·1	..	0	2	0	0	0	1	0	0	0	0	0
Jamnagar (Aerodrome)	27·8	+0·9	32·5	15	12·8	+2·6	10·0	23	5·5	12·0	+10·7	6·0	2,3	2	+1·9	..	..	..	0	2	0	0	0	3	0	0	0	0	0
Dwarka	27·8	+2 3	33·7	15	17·0	+1·7	14·0	4	0	4·4	+1·9	4·4	2	1	+0·7	13·9	11·1	−2·1	0	1	0	0	0	2	0	0	0	0	0
Rajkot	29·8	+1·5	35·2	13	13·6	+2·5	8·8	4	6·4	8·4	+7·3	7·4	3	1	+0·9	13·0	9·6	−3.5	0	2	0	0	0	4	0	0	0	0	0
Bhavnagar (Aerodrome)	29·4	+1·7	33·6	12	15·4	+2·3	9·9	4	3·2	4 7	+2·4	4·7	3	1	+0·9	14.4	11.9	−0·3	0	1	0	0	0	0	0	0	0	0	0
Porbander (Aerodrome)	30·4	+1·9	35·4	17	15·1	−0·2	10·2	5	2·2	6·4	+4·0	3·6	2	2	+1·7	12·5	9·5	..	0	2	0	0	0	2	0	0	0	0	0
Keshod	30.9	..	35·0	17.31	13·6	..	8·8	4	8 0	8·4	..	8·4	3	1	..	13·3	12·3	..	0	1	0	0	0	0	0	0	0	0	0
Mahuva	30·7	..	35·0	16,17	16·1	..	8·0	5	(a) 2·0	7·0	..	7·0	3	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0	0
Veraval	29·7	..	34·9	16	16·2	..	11·7	5	1·0	1·8	+0·8	1·6	3	0	−0·1	15·4	12.7	..	1	1	0	0	0	0	0	0	0	0	0
Konkan (including Goa)																													
Dahanu	29·1	+1·6	33·2	17	18·7	+2·1	16·2	19	0	0	−1·8	0	..	0	−0·2	(d) 15·6	(d) 11·0	−1·2	0	0	0	0	0	0	0	0	0	0	0
Bombay (Santacruz)	31·9	+2 9	35.3	13	17.8	+2·5	12·3	5	3·1	10·1	+6·7	7·0	24	2	+2·0	10.5	7·0	..	0	2	0	0	1	1	0	0	0	1	0
Bombay	30·8	+2.4	35·6	16	20·7	+1·4	16·5	5	0	0·9	−2·7	0·9	25	0	−0·2	10·5	8·6	−2·0	0	1	0	0	1	0	0	0	0	0	0
Alibag	29·7	+1·6	35·9	13	18·9	+1·4	14·5	6	..	1·0	−0·3	1·0	25	0	−0·2	..	7·8	+0·4	0	1	0	0	0	0	0	0	0	0	0
Bhira	34·7	..	35·5	11,12	16·6	..	10.6	6	4·0	4·0	..	3·2	26	1	..	4·3	2·6	..	0	2	0	0	0	0	0	0	0	0	0
Harnai	29·3	+1·5	33·4	16	22·6	+0.8	17·8	5	1·4	1·4	0	1·4	4	0	−0·2	12.9	11·4	−1·7	0	1	0	0	0	0	0	0	0	0	0
Ratnagiri	31·0	..	34·8	13	18·8	.	15·7	6	10·6	16·0	+14.0	16·0	4	1	+0·9	10·9	7 3	..	0	1	0	0	0	0	0	0	0	0	0
Devgarh	29·6	−0·5	33·4	13	21·0	0	18·4	13	1·4	25·0	+23·1	25·0	4	1	+0·8	14·5	11·5	−1·4	0	1	0	0	0	0	0	0	0	0	0
Vengurla	32·0	−0·1	34·6	13,30	18·5	−0·1	14·4	13	0·1	5·5	+5·4	5·5	4	1	+1·0	10.6	6·0	..	0	1	0	0	1	0	0	0	0	0	0
Panjim	32.3	..	35.2	16	18.8	..	16.7	15	0	0.5	..	0.5	4	0	..	11.1	9 2	..	0	1	0	0	0	0	0	0	0	0	0
Marmugao	30.5	..	33.7	13	21.6	..	20.2	15	0.3	2·9	..	2·9	4	1	..	..	..	..	0	1	0	0	1	0	0	0	0	0	0
Dabolim (Naval Air Station)	31·1	..	34·6	13	20·0	..	18·8	14, 15	0	1·7	..	1·7	4	0	..	9·2	6 8	..	0	1	0	0	0	0	0	0	0	0	0
Madhya Maharashtra																													
Nandurbar	31·3	..	34·0	15	16·8	..	13·1	20	1·5	12·3	..	11·8	25	1	..	6·1	3·8	..	0	2	0	0	0	0	0	0	0	0	0
Jalgaon	30·9	+0·4	33.3	14	14·1	+1·5	9·3	18	0	7·0	−0·9	4·0	24	2	+1·4	11.7	9.5	+1·9	0	2	0	0	4	0	0	0	0	0	0
Malegaon	30·1	0	33·4	28	12·6	+1·3	9·6	18	0	21·0	+16·7	20·6	9	1	+0·7	6·7	5·1	−0·7	0	2	0	0	0	0	0	0	0	0	0
Ozar	31·1	..	..	..	13·2	..	..	..	(m) 0	(m) 4·5	..	..	..	..	..	(m) 10·0	(m) 7·4	..	..	..	0	0	2	0	0	0	0	0	0
Deolali (Aerodrome)	30·0	..	32·4	11	12·7	..	6·8	5	0	0·3	..	0·3	25	0	..	9.3	5 6	..	0	1	0	0	2	0	0	0	0	0	0
Ahmadnagar	30·3	+1·1	32.4	11	13·5	+1·7	9·8	13	0	0	−5·3	0	..	0	−0·4	10.7	6.9	+0·9	0	0	0	0	0	0	0	0	0	0	0
Khandala	..	..	..	..	..	..	..	..	..	0	−2·5	0	..	0	−0·1	..	..	..	0	0	..	..	..	..	..	..	..	.	..
Poona (Aerodrome)	29·8	..	32·0	11	13·0	..	..	..	0	0	..	0	..	0	..	..	..	..	0	0	0	0	1	0	0	0	0	0	0
Poona	29 7	+0·2	32·0	11	11·8	+1·1	7·0	6	0	0·1	−1·4	0·1	25	0	−0·2	6·7	3.1	..	1	0	0	0	1	0	0	0	0	0	0
Jeur	29·7	−0·9	31·8	12	13·9	+0·5	9·6	13	0	1·2	+1·1	1·2	4	0	0	10·2	5·8	−0·1	0	1	0	0	0	0	0	0	0	0	0
Paramati	30·0	−0·6	32·5	11	14·2	+0·2	10·1	13	0	8·0	+8·0	8·0	4	1	+1·0	10·1	7·4	+0·7	0	1	0	0	0	0	0	0	0	0	0
Sholapur	29·5	−1·3	32·1	11	16·5	+1.3	12.1	13	0	0	−3·8	0	..	0	−0·3	13·5	8·6	−0·6	0	0	0	0	0	0	0	0	0	0	0
Miraj	29·8	−0·3	31·6	10,11	15·3	+1·1	12·5	15	0	0·8	+0·7	1·0	4	0	−0·1	..	..	..	1	1	0	0	0	0	0	0	0	0	0
Kolhapur	30·4	0	32.5	9	15·2	+0·5	12·5	13	0	2·8	+0·3	2 8	4	1	+0·6	15·3	9·6	+0·9	0	1	0	0	0	0	0	0	0	0	0
Marathwada																													
Aurangabad	29·9	+0·6	32·2	16	15·4	+1·7	11·8	18	0	3·4	−4·0	2·0	3	0	−0·5	8·1	6·4	−1·0	0	2	0	0	0	0	0	0	0	0	0
Aurangabad (Chikalthan)	29·3	..	31·1	15	12·0	..	7.6	18	0	17·3	..	16·7	8	1	..	7·6	3·7	..	0	1	0	0	1	1	0	0	0	0	0
Parbhani	29·5	−0·6	31·4	15	14·7	+1.1	11·0	13	0	0	−6·9	0	..	0	−0·6	7·0	5·1	−0·1	0	0	0	0	0	0	0	0	0	0	0
Nander	30·3	..	32·0	15	14·3	..	9·4	12, 13	0	7·0	..	2·3	3	0	..	7·4	3·9	..	0	4	0	0	0	0	0	0	0	0	0
Bir	30·4	.	32·4	10	13·4	..	10.0	18	0	1·1	..	1·1	26	0	..	4·0	2·5	..	0	1	0	0	0	0	0	0	0	0	0

(m) Total for 18 days. (b) Total or mean of 29 days. (d) Mean of 27 days. (a) Total for 30 days.

Sub-Division and station	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (25 mm. or more): Total in the month	Departure from normal	Wind speed, kms. per hour: Mean between 1839-1739 hours	Mean 24 hours	Departure from normal	Weather phenomena—No. of days with: Precipitation (0.1) and 0·2 mm	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Life Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28	29
Darbha																													
ondia	27·0	−0·5	31·0	29	13·9	+0·3	10·2	12	9·6	33·0	+11·9	16·4	7	3	+1·5	3·5	2·0	−1·1	0	4	0	0	0	0	0	0	0	0	0
agpur (Sonegaon)	27·8	−0·8	31·3	30	13·3	+0.5	10 3	12	1·4	19·9	+10·5	11·2	3	2	+1·2	8·9	7·1	..	0	3	0	0	0	2	0	0	0	0	0
mraoti	29·5	+0·2	32·2	30	16·7	+1·6	14·0	12	0	3·8	−5·6	2·8	9	1	+0·2	9·2	9·2	+3·4	0	2	0	0	0	0	0	0	0	0	0
kola (Aerodrome)	29·7	..	31·8	29	13·8	..	10·4	12	1·2	26.4	..	23.4	9	2	..	9·9	8·5	..	0	2	0	0	3	0	0	0	0	0	0
kola	30·0	−0·1	32·4	29	15·1	+2·4	11·2	1	0·8	27.6	+18·7	19·6	9	2	+1·3	5·7	4·0	−0·3	0	3	0	0	0	0	0	0	0	0	0
amhapuri	27·9	..	31·0	31	15·1	..	11·4	13	0·6	46·8	..	41.2	6	2	..	5·2	2·6	..	0	3	0	0	0	0	0	0	0	0	0
ldana	27·4	−0·1	29·0	16,23, 30	15·6	+0·1	12·5	3	13·0	96·1	+88·4	68·6	9	4	+3·5	9·0	6.5	−1·7	0	4	0	0	2	0	0	0	0	0	0
otmal	28·3	−0·4	31·0	30	15·6	0	13·3	26	0	29·0	+18·1	13·4	6	2	+1·3	9·7	8·4	−0·6	0	4	0	0	1	3	0	0	0	0	0
nanda	28·6	−1·0	31·3	30	14·6	+1 6	9·7	1	1·6	22·4	+14·5	14·2	6	2	+1·5	5·7	3·6	+1·0	0	2	0	0	0	0	0	0	0	0	0
sad	30·1	..	31·4	6 days	14·0	..	9·1	12	7.6	10 4	..	7·6	5	2	..	7·1	4·5	..	0	2	0	0	0	0	0	0	0	0	0
roncha	29·7	−0·6	31·6	31	16·0	+0.5	11·4	13	1·1	10·9	+9·2	10·9	5	1	+0 6	4·7	3·1	−0·6	0	1	0	0	0	0	0	0	0	0	0
astal Andhra																													
radesh																													
alingapatam	28·2	+0·5	29·2	23	17·9	+0·4	13·4	13	0	0	−5·6	0	..	0	−0·6	11·3	7·0	−0·7	0	0	0	0	0	0	0	0	0	0	0
shakhapatnam	29·2	−0·1	31·5	28	18·7	+0·8	13·6	13	0	7·9	−3·0	7·1	11	1	+0·5	16·0	8·1	+3·4	0	1	0	0	0	0	0	0	0	0	0
akinada	27·9	+0·6	28·6	10,15, 29	18·5	−0·6	16.2	16	0	1·6	−5·5	0·8	1,21	0	−0·5	12·9	9.8	+0·9	0	2	0	0	0	0	0	0	0	0	0
dadavole	29·5	..	31·5	9	18·5	..	14.2	14	0	18·0	..	18·0	10	1	..	5.6	5·6	..	0	1	0	0	0	0	0	0	0	0	0
ntachintala	31·1	+0·4	32·3	9,10	17·7	+1·2	14·2	28	0	0	−0·3	0	..	0	0	5.7	3·6	−1·7	0	0	0	0	0	0	0	0	0	0	0
nnavaram	29·6	−0·5	30·6	4days	19 4	+0·3	17·6	13, 14, 28	0	3.8	+3·0	3·8	1	1	+0·9	13·6	8·5	−1·3	0	1	0	0	0	0	0	0	0	0	0
garjuna Konda (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
asulipatam	28·2	−0.1	28·8	29	19·3	+0·4	17·0	14	0	0	−5·1	0	..	0	−0·3	5·5	3·4	−2·9	0	0	0	0	0	0	0	0	0	0	0
ngole	29·6	..	31·4	9,10	19·9	..	17 5	12	3·6	3·6	..	3·6	3	1	..	6.3	4.4	..	0	1	0	0	0	0	0	0	0	0	0
llore	30·0	+0·4	31·3	9	20·1	+0·4	17·8	15	0	0	−33·3	0	..	0	−1·4	9.1	5.6	+1.1	0	0	0	0	0	0	0	0	0	0	0
angana																													
mgundam	30·3	−0·6	31·8	15	17·0	+1·0	13·3	12	2·8	23·0	+21·0	8·2	4	3	+2·7	4 5	2·5	−2 4	0	3	0	0	0	0	0	0	0	0	0
zamabad	29 6	−0·5	31·1	15	15·7	+1·5	12·0	13	0	16·0	+10·9	11·0	4	2	+1·6	4.8	4.5	+1.1	0	2	0	0	0	0	0	0	0	0	0
namkonda	29 3	−0·1	31·6	10	17·1	+0·5	13·3	13	0	0	−10·2	0	..	0	−0·7	5·5	4·5	-1·3	0	0	0	0	0	0	0	0	0	0	0
akimpet	27·5	..	29·3	10	16·5	..	14·7	12	0	5·1	..	5·1	6	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0	0
Aerodrome).																													
adrachalam	31·0	+0·1	32·6	21	18·0	+1.3	12·0	13	0	0	−2·6	0	..	0	−0·4	3.3	3.5	−1.6	0	0	0	0	0	0	0	0	0	0	0
yderabad (Begamet)	28·3	0	30·3	10	14·2	−0.5	9·7	12	1·0	1·0	−6·9	1·0	5	0	−0·5	12·4	7·7	+0·5	0	1	0	0	0	2	0	0	0	0	0
nammam	30·3	..	32·1	10	18·3	.	14·2	13	0.3	1·1	..	0·8	5	0	..	4·5	2·7	..	0	2	0	0	0	1	2	0	0	0	0
ahbubnagar	28·2	..	30·6	10	16·5	..	13·7	29	0	0	..	0	..	0	..	12·5	9·2	..	0	0	0	0	0	0	0	0	0	0	0
alaseema																													
rnool	30·5	−0·8	32·0	11	17 7	+1·3	13·0	14	0	0	−3·8	0	..	0	−0·3	8·3	6·3	+1·6	0	0	0	0	0	0	0	0	0	0	0
ndyal (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
antapur	29·8	−0·5	31·3	4,5,10	17·4	+0·1	12·3	14	0	0	−3·9	0	..	0	−0·2	12·1	10·1	0	0	0	0	0	0	0	0	0	0	0	0
ddapah	30·2	−1.0	31·4	10	18·9	+0·2	15·2	14	0	0	−9.9	0	..	0	−0·6	1·5	1·0	−9·6	0	0	0	0	0	0	0	0	0	0	0
ogyavaram	26·4	..	27·8	6	13·7	..	11·5	31	0	0	..	0	..	0	..	9·6	6·6	..	0	0	0	0	0	0	0	0	0	0	0
dras State (including Pondicherry)																													
adras	28·7	..	30·1	15	21·4	..	17·5	14	0·2	0·9	..	0·3	17, 20	0	..	10·3	7.2	..	2	2	0	0	0	0	0	0	0	0	0
adras (Minambakkam).	28·6	−1·0	29·8	15	20·5	+1·0	17·6	14	1·0	27·8	−8·0	13·5	1	2	+0.3	12·0	7·5	−2·2	0	3	0	0	0	0	0	0	0	0	0
llore	28·3	−0·5	30·4	5	17·9	0	13·9	15	0	6·5	−30·3	6·5	3	1	−1·1	11.9	7·4	+3·5	0	1	0	0	0	4	0	0	0	0	0
mbaram (Aerodrome)	28·1	..	30·5	15	19·3	..	16·7	14	5·8	8·6	..	5·8	18	2	..	..	..	..	0	3	0	0	0	0	0	0	0	0	0
ruppattur	28·4	..	30·0	11,13 14	16·1	..	12 0	15	0	0	..	0	..	0	..	6.0	4·8	..	0	0	0	0	0	0	0	0	0	0	0
ettur Dam R.S.	30·0	..	31·8	11	18·5	..	15·4	16	0	0	..	0	..	0	..	5·7	5·8	..	0	0	0	0	0	0	0	0	0	0	0
uddalore	28·0	−0·2	28·8	10	20 5	0	17·0	15	0·4	33·4	−26·3	13·0	3	4	+1·6	13·3	9·7	+2·5	0	5	0	0	0	0	0	0	0	0	0
ilakkurichchi	29 5	..	30·3	9	20·2	..	18·1	14	5·0	5·0	−25·5	2·0	2	0	−1·4	11·5	8·6	..	0	3	0	0	0	0	0	0	0	0	0
lem	30·2	−1·0	31·4	15	19·2	+0·9	16·6	15	0	0·2	−7·2	0·2	17	0	−0·7	12·0	10·8	+4·5	1	0	0	0	0	0	0	0	0	0	0
oimbatore (Pilamedu)	28 5	..	29·8	15	16.9	..	13·0	15	0·4	0·4	..	0·4	2	0	..	17·6	12·3	..	0	1	0	0	0	0	0	0	0	0	0
oimbatore	28·6	−1·4	30·2	15	17 7	−0·6	14·3	15	0	0	−16·0	0	..	0	−1·1	..	6·5	+2·3	0	0	0	0	0	0	0	0	0	0	0
agapattinam	28·0	+0·1	29·0	5	23·2	+1·1	20·5	31	8·6	12·8	−56·5	12·0	3	1	−2·0	19·8	20·0	+7·3	0	2	0	0	0	0	0	0	0	0	0
ruchchirappalli	30·0	−0·5	31.1	15,31	20 0	−0·1	16 8	24	0·6	1·1	−24·0	0·6	11	0	−1·7	14·2	10·0	+1·3	0	2	0	0	0	0	0	0	0	0	0
edaranniyam	30·0	..	30·8	5,10	23·1	..	19·5	24	2.3	3·7	..	2·3	21	0	..	12.4	10·0	..	0	2	0	0	0	0	0	0	0	0	0
ampattinam	30·2	..	31.0	10,27	20·6	..	19·3	15	0	0	..	0	..	0	..	13·5	9·0	..	0	0	0	0	0	5	0	0	0	0	0
adurai	30·1 (b)	+0·2	31·0	15,16	20·5 (b)	+0·3	18·6	24, 25	0	0	−19·8	0	..	0	−1·5	..	7·2	0	0	0	0	0	0	0	0	0	0	0	0
adurai Aerodrome	29 6	.	30·5	15,27	20·3	..	17·7	24	0	0	..	0	..	0	..	16·0	11·4	..	0	0	0	0	0	0	0	0	0	0	0
ondi	29 0	..	29·9	12	21·7	..	19·7	23	0	9·4	..	9·4	3	1	..	22·0	18·0	..	0	1	0	0	0	0	0	0	0	0	0
mban	29 9	+0·8	29·8	5	24·9	+1·3	22·3	6	6·4	6.4	−58.9	6·4	2	1	−3 0	21·7	18·3	+2·5	0	1	0	0	0	0	0	0	0	0	0
uticorin	28·3	+0·7	29·1	4.5	21.4	−0·9	18·3	23	0	1.5	−15·0	1.5	11		−1·7	26·1	24·4	+2·1	0	1	0	1	0	0	0	0	0	0	0

(b) Mean of 29 days. (R) Register not received.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days. (2·5 mm. or more)		Wind Speed kms. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28	29
Madras State—(including Pandicherry) *(Contd.)*																													
Palayankottai	31·8	+1·1	32·6	71,8, 19	21·5	−0·8	19·9	23,24	0	0	−42·7	0	..	0	−2·6	13·9	10·4	+1·2	0	0	0	0	0	0	0	0	0	0	0
Kanniyakumari	31·6	..	32·5	15	23·4	..	22·0	24	0	0	..	0	..	0	..	31·0	25·0	..	0	0	0	0	0	0	0	0	0	0	0
Coastal Mysore																													
Karwar	31·9	+1·4	34·8	12	18·7	−0·2	15 1	14	12.2	12.2	+11·3	12.2	5	1	+0·9	11·0	7.0	..	0	1	0	0	0	0	0	0	0	0	0
Honavar	32·2	+0·4	34·9	16	20·6	+0·7	18·5	15	6.3	8.9	+5·3	8.9	5	1	+0.5	..	..	..	0	1	0	0	0	0	0	0	0	0	0
Mangalore (Bajpe)	32·1	..	33·6	17	20·2	..	18·0	14	0	0	..	0	..	0	..	11·2	7·3	..	0	0	0	0	0	0	0	0	0	0	0
Mangalore	32·8	+1.1	34·4	16	21·1	−0.3	19·4	26	0	0	−2.8	0	..	0	−0·2	13·0	9·4	+1·7	0	0	0	0	0	0	0	0	0	0	0
Interior Mysore North																													
Bidar	27·6	−1·2	29·2	11	17·0	+0·3	15 2	1	0	0·4	−5.2	0·4	4	0	−0 5	15·0	..	..	0	1	0	0	0	0	0	0	0	0	0
Gulbarga	29·8	−0·9	31·6	10,11	16·2	+0·6	10·4	13	0	2·6	−2·7	2·6	4	1	+0·7	13·8	9·2	+1·6	0	1	0	0	0	1	0	0	0	0	0
Bijapur	28·7	−1·4	30·6	11	16·9	+1·2	12 6	13	0.5	0·5	−4·1	0·5	5	0	−0.2	8·7	5.4	+0·9	0	1	0	0	0	0	0	0	0	0	0
Raichur	29·7	−0·7	31·2	10	19·0	+0·8	15·6	14	0	0	−3·3	0	..	0	−0.2	20·3	10.5	+1·8	0	0	0	0	0	0	0	0	0	0	0
Belgaum	28·6	−1·5	31·0	10,11	15·1	+1·3	13.0	18	3·9	4·3	+1·2	3·9	5	1	+0·8	6·6	4·4	−1·4	0	2	0	0	0	0	0	0	0	0	0
Belgaum (Samra)	28·1	..	3'·0	10,11	16.3	..	13.8	18	2·5	3·5	..	2·1	5	0	..	12·8	7 6	..	0	1	0	0	0	0	0	0	0	0	0
Gadag	29·2	−0·4	31·6	11	17·0	+0·6	13·5	13	0	8·9	+4 6	8·9	7	1	+0·8	12·0	8·3	+0.9	0	1	0	0	0	0	0	0	0	0	0
Interior Mysore South																													
Bellary	30·9	−0·1	32·6	10	17·0	+0·2	14·0	14,15	0	0	−2·5	0	0	0	−0·3	9·0	6·0	+1·7	0	0	0	0	0	0	0	0	0	0	0
Chitradurga	27·8	−1·5	30·1	5	17.3	+0·3	14·6	29	0	0.8	−5·5	0.8	6	0	−0·3	11·7	8·6	+1·2	0	1	0	0	0	0	0	0	0	0	0
Shimoga	28·1	−2·4	29·6	10	14·0	−0·6	9·6	14	0	24.6	24·5	24.6	7	1	+1.0	4·0	4·8	+0·7	0	1	0	0	1	11	0	0	0	0	0
Agumbe	27·4	..	29·2	11	13·1	..	8·6	22	0	0	..	0	..	0	..	..	5·6	..	0	0	0	0	0	0	0	0	0	0	0
Balehonnur	27·4	+0·2	28·9	3,10	14·5	−0·2	12·5	13	0	13.0	+11·7	13·0	7	1	+0·8	..	..	..	0	1	0	0	0	1	0	0	0	0	0
Hassan	26·9	−1·3	28·7	7	13·9	0	11 1	15	0	0	−4·3	0	..	0	−0·3	8·7	5·4	+0·4	0	0	0	0	0	0	0	0	0	0	0
Bangalore	25·8	−1·0	27·9	6	14·9	+0·8	10·8	14	0	0	6·1	0	..	0	−0·5	14.1	10·9	+2·7	0	0	0	0	0	3	0	0	0	0	0
Bangalore Aerodrome	25·8	..	28·4	6	13·7	..	10 5	13,14	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	3	0	0	0	0	0
Mysore	27·3	−1·7	29·5	7	16·1	+0·1	12·6	15	0	0	−3·6	0	.	0	−0·3	19·0	13·1	+3·6	0	0	0	0	0	0	0	0	0	0	0
Kerala																													
Calicut	31·3	+0·2	32·2	21,31	21·2	−0·4	18·8	16	0	0	−8 9	0	..	0	−0·6	11·9	8·8	+0·4	0	0	0	0	0	0	0	0	0	0	0
Palghat	32·1	..	33·4	15	21·3	..	18 8	13	0	0	..	0	..	0	..	11·3	8 6	..	0	0	0	0	0	0	0	0	0	0	0
Fort Cochin	30·4	−0 1	32·0	12	21·8	−1·3	19 9	16	0	33 6	+11 0	32 4	6	1	−0·1	13·3	8·4	+1·8	0	2	0	0	1	0	0	0	0	0	0
Cochin (Naval Air Station).	31.2	..	32·2	21	21·0	..	16·9	16	0	59 8	..	55·4	6	2	..	10 6	8·4	..	0	2	0	0	2	0	0	0	0	0	0
Alleppey	32.7	+0·9	35·8	14	21 9	−0 6	18 7	23	0	6·4	−8·7	6·4	6	1	−0 4	13·6	9 0	+0·4	0	1	0	0	1	0	0	0	0	0	0
Punalur	33·9	..	35·1	11	19·8	..	16 2	24	0	2.2	..	2 2	6	..	..	2·4	3·1	..	0	1	0	0	0	0	0	0	0	0	0
Trivandrum	31·9	+0.6	34·5	30	22·4	+0·2	20.5	25	0	9 9	−10·2	9 5	5	1	−0·7	8·5	6·5	+2·0	0	1	0	0	4	0	0	0	0	0	0
Trivandrum Aerodrome	30 5	..	32 3	13	21·6	..	18 8	25	0	18·4	..	13·2	5	2	..	..	4 3	..	0	3	0	0	2	0	0	0	0	0	0
Arabian Sea Islands																													
Amini	31.4	+0.8	32.8	21	22.2	−1.3	20.3	25,27	0	0.6	−16.2	0.4	6	0	−1.1	(i) 7.5	2·9	−2.3	1	1	0	0	1	0	0	0	0	0	0
Minicoy	30.2	+0.7	31.4	13	21.9	−0.9	19.2	25	0	0	−46.5	0	..	0	−2.6	7.3	4.5	−2.4	0	0	0	0	0	0	0	0	0	0	0
Hill Stations excluding Kashmir																													
Dalhousie	14·0	+3.1	20·4	14	3·2	1·1	2·0	4,5,20	24 0	85·0	−117 3	58·0	20	4	−3·8	2·7	4·2	+0·6	0	5	4	1	1	4	0	0	0	0	0
Dharmsala	16·3	+1·9	20·9	12	7.0	0 5	−3·8	5,6,7	21.0	45·4	−97 8	25·2	20	2	−5.7	6 1	4·8	0	0	3	0	0	2	0	0	0	0	0	0
Simla	11·2	+2·6	16·4	11	..	..	..	..	7 8	13·6	−52·7	6·4	20	2	−2·8	2.6	2.4	−0 1	0	4	3	0	0	0	0	0	0	0	0
Dharmpur	..	..	..	.	..			..	.	40·0	−30 4	24·0	4	2	−2 0	..	..	..	0	3	..	..	..	..	..	..	..	..	..
Lokpal	−4·0	..	−2·4	19	−12·8	..	−14·6	5	..	151·2	..	45·4	23	4	..	..	..	..	0	4	5	0	0	0	0	0	0	0	0
Badrinath	Closed during Winter Months																												
Joshimath	13·4	..	17·2	12	3·4	..	0.1	20	6·2	53·8	..	26·2	20	4	..	5·1	6·5	..	0	5	3	0	0	0	0	0	0	0	0
Mussoorie	13·1	+3·4	20·1	14	3·2	+0·5	−2 0	20	3·6	22·4	−46.4	11 6	4	2	−3·0	9 3	8·8	+1·7	0	2	3	0	3	0	0	0	0	0	0
Mukteswar (Kumaun)	12·3	+2·4	16·7	31	2·4	+0 5	−2·5	20	6·0	22.5	−32·4	12 5	20	3	−0·6	10·7	11·5	+2·5	0	3	2	0	1	2	0	0	0	0	0
Nainital	12·5	+2.2	18.0	12	2·9	+1·3	−0·6	7	13·0	50·0	−67·5	21 0	4	4	−2 5	9 5	8.0	+0·9	0	5	2	0	0	0	0	0	0	0	0
Kalimpong	17·4	+2·2	22 2	15	13·8	+5·9	11 9	3	0	0	−10·4	0	..	0	−0.9	15·2	12.6	+1·8	0	0	0	0	0	0	0	0	0	0	0
Darjeeling	11·5	+2·3	16·5	16	2·5	−0·4	0	9	0	0	−13·5	0	..	0	−1·2	1.6	2·0	+0·9	0	0	0	0	0	5	0	0	0	0	0
Kohima	15·0	.	20·3	31	7·8	..	5·0	8	..	10 8	..	8·2	22	2	..	..	1·1	..	0	2	0	0	0	0	0	0	0	0	0
Shillong	17·0	+1.4	20.4	31	4·3	+0·5	0·6	7	0	0 6	−12·6	0.6	19	0	−1·1	0.9	1·0	−1·4	0	1	0	0	0	4	0	0	0	0	0

(i) Mean of 19 days.

(R) Register not received.

Sub-Division and Station	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2·5 mm or more): Total in the month	Departure from normal	Wind speed, kms. per hour: Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Weather phenomena—No. of days with: Precipitation (0.1 and 0.2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust storm	Ground frost	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28	29
ll Stations excluding Kashmir—(Contd.)																													
Cherrapunji (R)																													
bu	21·7	+2·9	26·5	16	9·5	−0·9	5·4	4	17·8	35·0	+28·4	17·6	3	2	+1·4	4·3	4·0	−1·6	0	2	0	0	0	1	0	0	0	0	0
ijal	20·0	..	22·2	24,30	11·2	..	8·9	9,10	0	0	..	0	..	0	..	(c) 7·5	8·6	..	0	0	0	0	0	0	0	0	0	0	0
achmarhi	21·7	−0·5	23·9	30	8·5	−0·2	4·0	11	2·2	9·6	−6·7	4·6	7	2	+0·7	3·8	2·0	−1·9	0	4	0	0	0	0	0	0	0	0	0
Mahabaleshwar	24·0	+0·4	27·0	10	13·6	−0·3	8·7	5	8·5	9·0	+5·4	9·0	4	1	+0·8	11·8	11·5	+2·0	0	1	0	0	0	2	0	0	0	0	0
Mercara	23·8	−1·3	26·0	11	12·4	−1·6	9·0	13	9·4	10·0	+5·9	10·0	6	1	+0·7	15·0	10·9	+4·5	0	1	0	0	0	1	0	0	0	0	0
Ootacamund	21·0	+2·2	24·1	10	5·9	+0·2	1·6	22, 23	0	0	−32·8	0	..	0	−1·8	5·3	2·9	−2·1	0	0	0	0	0	0	0	0	0	0	0
Coonoor (R)																													
Kodaikanal	16·6	−0·2	19·7	9	6·4	−1·7	2·8	22	0	0·2	−80·8	0·2	2	0	−4·0	12·0	11·2	−2·6	1	0	0	0	0	0	0	0	0	0	0
epal																													
atmandu	19·0	..	21·3	16,29	1·4	..	−2·7	9	1·1	1·7	..	1·7	21	0	..	0·9	0·7	.	0	1	0	0	0	11	0	0	0	0	0
ikkim																													
achen	8·6	..	11·5	14,16	−2·0	..	−3·5	9,14	..	23·0	..	13·0	21	3	..	..	..	..	0	5	0	0	0	0	0	0	0	0	0
drometeorological Observatories																													
amodar atchment																													
ilaiya	23·7	..	26·6	21	10·0	..	5·6	11, 12	0	0	..	0	..	0	..	10·3	9·2	..	0	0	0	0	0	0	0	0	0	0	0
azaribagh	22·6	..	25·0	21	8·7	..	4·5	11	0	0	..	0	..	0	..	9·4	5·0	..	0	0	0	0	0	0	0	0	0	0	0
onar	24·0	..	26·4	21,2	11·2	..	7·7	12	0	0	..	0	..	0	..	9·8	8·6	..	0	0	0	0	0	0	0	0	0	0	0
okaro	26·6	..	28·9	21,22, 29	6·7	..	1·7	10	0	0	..	0	..	0	..	6·0	3·3	..	0	0	0	0	0	0	0	0	0	0	0
aithon	26·6	..	29·3	28	9·5	..	5·0	8	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	4	0	0	0	0	0
angarh	25·9	..	28·5	21	11·4	..	4·2	10	0	0	..	0	..	0	..	3·5	1·6	..	0	0	0	0	0	0	0	0	0	0	0
anchet Hills	26·3	..	29·2	29	12·9	..	9·2	11	0	0	..	0	..	0	..	3·6	2·6	..	0	0	0	0	0	0	0	0	0	0	0
urgapur	26·9	..	29·5	29	13·3	.	9·1	10	0	0	..	0	..	0	..	5·3	6·1	..	0	0	0	0	9	15	0	0	0	0	0
hanadi Catchment																													
inabahar	25·8	..	29·7	29	8·7	..	3·6	10	..	2·3	..	2·3	5	0	..	..	..	..	0	1	0	0	0	3	0	0	0	0	0
irakund	27·0	..	29·2	22	14·6	..	9·7	12	4·6	5·8	..	5·3	5	1	..	4·0	2·5	..	1	2	0	0	0	1	0	0	0	0	0
himkund	26·5	..	28·9	29,30, 31	11·6	..	7·2	11	0	1·2	..	1·2	5	0	..	4·7	2·2	..	0	1	0	0	0	4	0	0	0	0	0
onepur	27·3	..	31·0	30	15·8	..	11·6	2	..	11·4	..	8·4	4	2	..	..	3·0	..	0	2	..	..	..	..	..	..	..	..	..
hij.awan	26·4	..	29·6	30	12·0	..	8·9	1,2	0	0	..	0	..	0	..	5·3	3·7	..	0	0	0	0	0	0	0	0	0	0	0
rmada Catchment																													
agra Tawa	27·9	..	31·6	29	11·2	..	7·6	12	0	3·0	..	3·0	3	1	..	5·5	3·1	.	0	1	0	0	0	0	0	0	0	0	0
unasa (R)																													
nikri	30·1	..	33·6	14,30	13·7	..	9·3	20	..	11·8	..	5·6	27	3	..	..	..	..	0	4	..	..	..	..	..	..	..	..	..
armati Catchment																													
aroi	30·0	..	33·4	31	14·2	..	11·0	3,4	9·5	12·5	..	10·5	3	1	..	..	..	..	0	2	..	..	..	..	..	..	..	..	..
dak Catchment																													
mosom	13·2	..	17·0	30	−1·6	..	−5·4	21	15·2	15·2	..	15·2	21	1	..	..	..	..	0	1	..	..	..	..	..	..	..	..	..
hudi Bazar	..	..	..	..	..	..	.	.	..	1·6	..	1·6	22	0	..	..	..	..	0	1	..	..	..	..	..	..	..	..	..
mure	16·1	..	20·1	31	0·4	..	0	7 days	0	7·8	..	7·8	21	1	..	..	..	..	0	1	..	..	..	..	..	..	..	..	..
okhara	19·9	..	22·4	16	7·8	..	4·1	21	5·0	5·3	..	5·3	21	1	..	3·3	2·6	..	0	1	0	0	1	1	0	0	0	0	0
orkha	18·5	..	21·1	31	8·0	..	5·3	21	0·9	1·4	..	1·4	21	0	..	..	..	..	0	1	0	0	1	0	0	0	0	0	0
uwakot	20·3	..	22·4	31	9·1	..	6·8	9	0	0	..	0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..	..
aghara Catchment (Trans Himalayan Region)																													
Hilekh	15·6	..	17·7	31	5·3	..	2·1	22	25·0	32·4	..	25·0	22	2	..	..	..	..	0	2	..	..	..	..	..	..	..	..	..
aghara Catchment																													
adeldhura	12·6	..	16·3	9	4·5	.	−0·9	21	16·0	38·1	..	18·7	20	3	..	5·9	5·0	..	0	5	2	0	2	3	0	9	0	0	0
llayana	(c) 18·1	..	21·0	9	(d) 6·9	..	1·5	21	18·0	18·0		18·0	21	1	..	..	..	..	0	1	..	..	..	..	..	..	..	..	..
atwal	24·1	..	26·9	16	12·5	..	6·1	8	7·2	9·6	..	9·6	21	1	..	..	..	..	0	1	..	..	..	..	..	..	..	..	..

(R) Register not received. (c) Mean of 28 days. (d) Total for 27 days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28	29
Hydrometeorological Observatories (*Contd.*)																													
Baghmati Catchment																													
Katmandu* .																													
Kosi Catchment																													
Chautara . .	18·4	..	20·7	27	6·4	..	4·6	8	0	0	..	0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..	..
									0																				
Walungchung Gola	6·0	..	8·5	17, 29	−3·6	..	−6·9	9	0	0	..	0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..	..
Taplethok . .	19·2	..	21·6	16	7·6	..	4·8	5,7	0	7·0	..	7·0	21	1	..	..	..	..	0	1	..	..	..	..	..	..	..	..	..
Bhojpur . .	14·6	..	16·8	16	7·0	..	5·2	8	0	0	..	0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..	..
Taplejung . .	14·1	..	17·2	16	5·3	..	2·5	6,7	0	12·8	..	12·8	21	1	..	5.6	3.7	..	0	1	0	0	1	2	0	2	0	0	0
Okhaldhunga .	15·0	..	18·5	31	4·8	..	2·2	8	0	0·2	..	0·2	21	0	..	2·1	1·7	.	1	0	0	0	0	0	0	4	0	0	0
Chainpur . .	19·5	..	20·9	4 days	10·0	..	7·9	17	0	0	..	0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..	.
Angbung . .	..	..	..	..	..	..	..	..	0	0	..	0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..	..
Barahakshetra .	24·2	..	26·7	16	10·9	..	8·9	7	0	0	..	0	..	0	..	5·9	3·9	..	0	0	0	0	0	0	0	0	0	0	0
Tista Catchment																													
Gangtok . .	14·5	..	18·8	16	5·2	..	3·0	6	0·6	8·4	..	5·3	4	1	..	3·6	2·5	..	1	4	0	0	0	10	0	0	0	0	0
Gezing . .	17·2	..	21·2	16	6·5	..	3·8	11	0	0·9	..	0·9	4	0	..	..	..	..	0	1	..	..	..	..	..	..	..	..	

*Data included under Nepal.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km. p.h.): 62 or more	Wind speed (km. p.h.): 20 to 61	Wind speed (km. p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bay Islands																											
Maya Bandar	0830	28	1014.8	1011·6	..	24·8	21·4	19·5	22·7	73	..	2·5	..	8·6	0	7	14	5	11	2	1	0	0	0	2	10	0
	1730	,,	1011.7	1008·5	..	25·2	21·5	19·5	22·7	71	..	2·7	..	14·6	0	7	23	3	23	1	1	0	0	0	2	1	0
Long Island	0830	25	1014.9	1012·1	..	25·7	22·0	20·1	23·5	73	..	4·0	..	1·4	0	0	24	0	6	6	5	0	0	4	3	7	0
	1730	,,	1012.1	1009·3	..	24·8	21·5	19·7	22·9	73	..	3·8	..	0·6	0	0	14	2	4	5	1	0	0	1	1	17	0
Port Blair	0530	79	1012.5	1003·5	..	22·3	20·2	19·0	22·0	82	..	4·3	..	6·8	0	3	15	2	7	7	0	0	0	1	1	13	0
	0830	,,	1014.7	1005·7	+0·9	26·9	22·1	19 5	22·7	64	−7	4 2	+0·8	12·1	0	6	22	5	14	6	1	0	0	1	1	3	0
	1130	,,	1013.2	1004·3	..	28·8	22·4	18·9	21·8	55	..	4·0	..	13·1	0	5	25	2	18	10	0	0	0	0	0	1	0
	1730	,,	1011.8	1002·8	..	25·1	21·2	19·1	22·1	59	..	4·0	.	9.9	0	2	27	3	18	6	0	0	1	0	1	2	0
	2330	,,	1013.4	1004·3	..	23·5	20.8	19·3	22·4	78	..	2·6	..	8·6	0	3	21	3	13	7	0	0	0	0	1	7	0
Car Nicobar	0830	10	1013.6	1012·4	..	27·7	22·8	20·3	23·8	65	..	3·2	..	3·5	0	0	29	0	29	0	0	0	0	0	0	2	0
	1730	,,	1010.7	1009·5	..	26·4	22·7	20·8	24·6	72	..	3·0	..	3·3	0	0	27	0	27	0	0	0	0	0	0	4	0
Nancowry	0830	26	1013.3	1010·3	..	27·9	23·9	22·0	26.4	71	..	5·1	.	0	0	0	1	0	1	0	0	0	0	0	0	30	0
	1730	,,	1010.5	1007·6	..	26·9	23·4	21·7	25·9	74	..	2·8	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
Kenaul	0830	8	..	..	..	27·1	23·9	22·4	27·1	75	..	3·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,		..	..	26·7	23.9	22·6	27·4	77	..	3·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Assam (Including NEEA)																											
Pasighat	0830	157	1018·7	1000·2	..	15·5	13·3	11·4	13·5	77	..	2·3	..	17·2	0	16	13	2	1	0	0	0	0	0	26	2	0
	1730	,,	1015·1	996·6	..	15·5	14·2	13·2	15·2	87	..	2·6	..	3·3	0	0	24	2	2	0	0	0	0	1	19	7	0
Dibrugarh (Mohanbari)	0230	111	1016·3	1003·0	..	10·1	9·7	9 3	11·7	95	..	2·2	..	0·7	0	0	4	1	3	0	0	0	0	0	0	27	0
	0530	,,	1016·4	1003·0	..	9·3	9·0	8·7	11·2	95	..	2·5	..	0·6	0	0	3	0	2	1	0	0	0	0	0	28	0
	0830	,,	1018·5	1005·3	−0·3	14·7	13·1	11·7	13·7	82	−10	2·7	−1·4	5·3	0	0	30	1	15	13	1	0	0	0	0	1	0
	1130	,,	1015·9	1003·0	..	20·6	15·3	11·0	13·1	55	..	2·5	..	4·3	0	0	26	1	13	10	1	0	0	0	1	5	0
	1430	,,	1013·5	1000·7	..	22·6	15·9	10·5	12.7	46	..	2·2	..	3·7	0	0	23	1	8	7	2	0	1	1	3	8	0
	1730	,,	1014·5	1001·5	..	17·0	14·2	11·9	13·9	73	..	2·5	..	0·4	0	0	3	0	2	1	0	0	0	0	0	28	0
	2030	,,	1016.5	1003·3	..	13·0	12·1	11·3	13·4	90	..	2·1	..	0·1	0	0	1	0	1	0	0	0	0	0	0	30	0
	2330	,,	1016·9	1003·6	..	11·4	10·8	10·2	12·4	93	..	2·3	.	0·5	0	0	3	1	2	0	0	0	0	0	0	28	0
Dibrugarh (Mohanbari)	0830	152	1020·5	1002·4	..	15·0	13·6	12·5	14·5	85	..	1·6	..	3 6	0	0	29	2	1	2	7	9	2	4	2	2	0
	1730	,,	1016·6	998·7	..	18·9	17·0	15·7	17·8	82	..	..	..	2 4	0	0	24	1	7	4	3	1	4	4	0	7	0
North Lakhimpur	0830	102	1018·8	1006·8	+0·3	15·8	14·0	12·5	14·5	81	−3	2·0	−1·6	3·9	0	0	25	5	8	8	2	2	0	0	0	6	0
	1130	,,	1016 6	1004·8	..	20·9	16·0	12·2	14·2	57	..	2·1	..	5·7	0	0	30	3	6	13	4	4	0	0	0	1	0
	1430	,,	1014·1	1002·4	..	22·5	16·4	11·7	13·7	51	..	2·4	..	4·1	0	0	26	6	6	5	2	2	2	3	0	5	0
	1730	,,	1014·9	1002·9	..	17·1	15·1	13·7	15·7	80	..	2·5	..	2·4	0	0	14	6	3	0	0	0	1	1	3	17	0
Sibsagar	0830	97	1018·8	1007·3	+0·4	15.2	14·1	13·2	15·2	89	−4	4·4	−2·0	2·0	0	0	16	11	3	1	0	0	1	0	0	15	0
	1730	,,	1014·3	1003·3	..	21·0	16·8	13·7	15·7	64	..	2·2	..	1·5	0	0	11	9	1	0	0	1	0	0	0	20	0
Gohpur	0830	83	..	..	..	14·3	13·4	12·7	14·7	90	..	2·2	..	2·1	0	0	23	2	8	5	7	0	0	0	1	8	0
	1730	,,	..	..	..	18·7	15·9	14·5	16·5	73	..	3·2	..	1·6	0	0	17	6	6	0	2	2	0	0	1	14	0
Majbat	0830	,,	..	..	..	17·3	14·8	12·9	14·9	75	..	1·8	..	1·9	0	0	21	1	2	12	4	2	0	0	0	10	0
	1730	,,	..	..	..	19·2	16·0	13·6	15·6	73	..	1·4	..	0·4	0	0	6	1	2	1	0	2	0	0	0	25	0
Jorhat (Aerodrome)	0530	90	1016·1	1005·4	..	10·5	10·4	10·3	12·5	99	..	2·4	..	0·3	0	0	1	0	0	0	1	0	0	0	0	30	0
	0830	,,	1018·3	1007·7	..	15·0	14·0	13·2	15·2	88	..	3·1	..	0·8	0	0	4	0	2	1	0	0	0	0	1	27	0
	1130	,,	1016·2	1005·8	..	21·0	16·5	13.1	15·1	62	..	1·6	..	5·7	0	0	25	2	13	6	0	0	1	1	0	6	2
	1730	,,	1014·3	1003·8	..	17·9	15·2	13·1	15·1	75	..	1·8	..	0·8	0	0	3	0	3	0	0	0	0	0	0	28	0
	2330	,,	1013·2	1002·5	..	12·7	12·3	12·0	14·0	95	..	1·5	.	0·7	0	0	3	0	1	1	1	0	0	0	0	28	0
Jorhat (Aerodrome)	0830	78	1017·9	1008·6	..	14·9	13·7	12·7	14·7	85	..	..	..	0·1	0	0	2	0	0	0	2	0	0	0	0	29	0
	1730	,,	1014·1	1004·9	..	21·2	18·2	16·2	18·4	71	..	..	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
Tezpur	0830	79	1018.8	1009·4	−0·1	14·4	13·2	12·2	14·2	87	−1	1·7	−1·0	2·5	0	0	23	2	15	4	1	1	0	0	0	8	0
	1730	,,	1014·6	1005·4	..	20·1	16·3	13·5	15·5	65	..	0.9	..	1 2	0	0	10	1	9	0	0	0	0	0	0	21	0
Golaghat	0830	95	1018·6	1007·3	..	15·4	13·9	12·6	14·6	84	..	(a) 3·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1013·6	1002·5	..	21·7	17·2	14·0	16·0	61	..	(f) 2·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rangia	0830	60	1019·2	1012·2	..	17·2	15·2	13·7	15·7	80	..	(a) 0·2	..	(a) 4·7	0	0	28	0	4	21	3	0	0	0	0	2	0
	1730	..	1015·5	1008·6	..	20·4	17·4	15·4	17·5	73	..	(a) 0·2	..	(a) 0·7	0	0	7	0	3	3	0	0	0	1	0	23	0
Chaparmukh	0830	66	1019·2	1011·4	..	15·9	14·3	13·1	15·1	83	..	0·8	..	4·1	0	0	31	0	3	7	14	4	1	0	2	0	0
	1730	,,	1015·6	1007·9	..	21·2	17·4	14·8	16·8	66	..	(a) 0·5	..	(a) 2·9	0	0	27	2	10	5	0	2	4	0	4	3	0
Goalpara	0830	38	1019·2	1014·5	..	14·4	13·0	11·8	13·8	84	..	0	..	0·4	0	0	6	1	2	1	0	0	0	0	2	25	0
	1730	,,	1015·0	1010·5	..	21·1	18·7	17·2	19·6	76	..	0·3	..	0·1	0	0	2	0	0	1	0	0	0	0	1	29	0
Gauhati*	0830	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

(a) Mean of 30 days. *Data not reliable. (f) Mean of 25 days. (R) Register not received.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in meters	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km. p. h.): 62 or more	Wind speed (km. p. h.): 20 to 61	Wind speed (km. p. h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
North Assam (Including NEFA)—(*Contd.*)																											
Gauhati (Bhorjor)	0230	54	1015·6	1009·1	..	11·9	11·7	11·5	13.6	98	..	0·5	..	0·8	0	0	6	0	0	0	0	3	1	1	1	25	0
	0530	,,	1016·0	1009·4	..	10·7	10·7	10·7	12.9	100	..	0·6	..	0·3	0	0	2	0	1	0	0	1	0	0	0	29	0
	0830	,,	1018·3	1011.8	+0·1	15·5	14·4	13·5	15.5	88	+4	0·8	−1·2	1·3	0	0	10	1	6	0	1	1	1	0	0	21	0
	1130	,,	1016·2	1009·9	..	21·9	16·9	13·3	15.3	53	..	0·9	..	5·5	0	0	29	8	8	3	0	0	0	1	9	2	0
	1430	,,	1013·1	1006·9	..	24·1	16·9	11·3	13.4	45	..	1·8	..	6·0	0	0	29	6	11	0	0	0	1	3	8	2	0
	1730	,,	1014.0	1007·7	..	19.1	16·2	14·1	16.1	73	..	2·3	..	1·9	0	0	14	2	5	2	0	1	2	2	0	17	0
	2030	,,	1016·3	1009·8	..	14.8	14·1	13·5	15·1	92	..	0·7	..	1·1	0	0	7	1	0	0	1	3	0	0	2	24	0
	2330	,,	1016·3	1009·9	..	13.3	12·8	12·4	14·4	94	..	0·7	..	0·1	0	0	1	0	0	0	0	1	0	0	0	30	0
Lhubri (Rupsi)	0530	45	1015·7	1010·2	..	10.2	9·8	9·4	11·8	96	..	0·5	..	2·6	0	0	13	0	11	2	0	0	0	0	0	18	0
	0830	,,	1017·7	1012·3	..	15·4	13·9	12·6	14·6	84	..	0·3	..	4·3	0	0	22	0	16	3	1	0	2	0	6	9	0
	1130	,,	1016·4	1011·2	..	22·1	16·8	12·9	14·9	56	..	0·3	..	6·8	0	0	25	0	7	12	1	1	3	0	1	6	0
	1730	,,	1013·4	1008·1	..	19·9	17·5	15·9	18·1	78	..	0·7	..	0·8	0	0	5	0	3	0	0	0	2	0	0	26	0
Dhubri . . .	0830	35	1018·5	1014·3	+0·6	15·5	14·1	13·0	15·0	85	+1	0	−1·7	5·3	0	0	29	2	16	6	3	0	2	0	0	2	0
	1730	,,	1014·6	1010·5	..	20·4	16·2	13·0	15·0	62	..	0	..	0·5	0	0	6	0	6	0	0	0	0	0	0	25	0
Lumding . .	0830	149	1018·2	1000·4	..	12·1	11·5	10.9	13·0	93	+3	0·9	..	0·5	0	0	5	0	1	4	0	0	0	0	0	26	0
	1730	,,	1013·5	996·4	..	21·9	17·5	14·3	16·3	63	..	2·6	..	0·9	0	0	12	2	1	5	2	0	0	0	2	19	0
South Assam (Including Nagaland Manipur and Tripura)																											
Tura . . .	0830	370	1018·6	975·4	..	14·9	12·7	11·0	13·1	76	..	7·8	..	3·5	0	0	29	0	2	20	7	0	0	0	0	2	0
	1730	,,	1014.3	972·2	..	21·8	15.8	11·5	13·6	50	..	6·7	..	3·0	0	.	27	0	0	3	2	6	7	8	1	4	0
Haflong . . .	0830	682	1017.9	940·1	..	15·3	12·6	10·2	12·4	73	..	1·3	..	5·5	0	0	31	1	0	0	0	0	0	0	30	0	0
	1730	,,	1012·3	935·6	..	17·8	13·6	9·9	12·2	62	..	1·2	..	4.7	0	0	31	0	0	0	0	0	0	0	31	0	0
Silchar (Kumbhirgram)	0530	97	1014·7	1003·1	..	12·1	11·0	10·0	12·3	86	..	1·5	..	8·2	0	0	31	0	0	31	0	0	0	0	0	0	0
	0830	,,	1016·7	1005·3	..	16·1	13·3	11·0	13·1	72	..	1·4	..	9·8	0	0	31	0	0	31	0	0	0	0	0	0	0
	1130	,,	1014·4	1003·3	..	22·4	15·9	10·7	12·9	47	..	1·2	..	7·3	0	0	31	0	2	18	7	3	0	1	0	0	0
	1730	,,	1012·7	1001·5	..	20·4	15·6	11·8	13·8	58	..	1·5	..	3·9	0	0	23	8	1	6	0	2	1	5	0	8	0
Silchar . . .	0830	29	1018·0	1014·5	0	15·8	14·1	12·7	14·7	82	−1	1·3	−0·5	1·3	0	0	19	0	5	8	4	0	1	1	0	12	0
	1730	,,	1013·8	1010·4	..	21·5	17·1	13·9	15·9	62	..	1·6	..	0·2	0	0	3	0	1	1	0	0	0	1	0	28	0
Imphal (Tulihal) .	0530	781	1020·4	928·6	..	5.4	4·9	4·3	8·3	93	..	2·8	..	0·4	0	0	3	1	0	0	0	1	0	0	1	28	0
	0830	,,	1020·4	930·5	+0.2	11·5	9·3	7·2	10·1	76	0	2·5	+0·3	1·5	0	0	11	0	1	4	3	1	0	2	0	20	0
	1130	,,	1016·1	928·4	..	18·0	12·3	7·3	10·2	49	..	2·9	..	5·3	0	1	22	1	2	4	2	0	8	4	1	8	1
	1430	,,	1012·5	925·9	..	20·3	12·6	5·5	9·0	38	..	3·1	..	8·5	0	1	27	1	0	2	4	7	6	5	3	3	0
	1730	,,	1014·7	926·4	..	15·4	11·3	7.6	10·4	59	..	3·1	..	7·4	0	0	25	0	0	0	3	0	2	8	12	6	0
	2030	,,	1018·1	928·5	..	11·4	9·5	7·7	10·5	78	..	2·2	..	3·2	0	0	13	2	1	0	2	0	2	4	2	18	0
	2330	,,	1019·4	928·8	..	8·8	7·8	6·8	9·9	87	..	2·5	..	2·4	0	0	11	1	4	0	0	0	1	1	4	20	0
Kailashahar . .	0530	30	1016·5	1013·0	..	10·6	10·3	10·0	12·3	95	..	1·3	..	0·4	0	0	5	0	1	0	2	2	0	0	0	26	0
	0830	,,	1018·2	1014·8	..	15·0	13·5	12·3	14·3	83	..	1·0	..	1·4	0	0	13	1	0	0	0	7	3	1	1	18	0
	1130	,,	1016·6	1013·2	..	23·4	17·8	13·9	15·9	56	..	1·6	..	2·8	0	0	26	4	8	3	3	3	1	3	1	5	0
	1730	,,	1014·3	1010·9	..	21·2	17·4	14·8	16·8	68	..	1·6	..	0·1	0	0	1	0	0	0	1	0	0	0	0	30	0
Agartala . .	0230	16	1014·5	1012·6	..	12·4	11·7	11·1	13·2	92	..	1·2	..	0·6	0	0	5	0	0	1	4	0	0	0	0	26	0
	0530	,,	1014·7	1012·8	..	11.0	10·5	10·0	12.3	93	..	1·4	..	1·0	0	0	6	0	0	0	4	2	0	0	0	25	0
	0830	,,	1016·9	1015·0	+0.4	17·5	15·3	13.6	15·6	78	−1	1·5	−0·3	1·8	0	0	11	3	2	1	1	4	0	0	0	20	0
	1130	,,	1015·4	1013·6	..	24·3	17·1	11·6	13·7	45	..	1·4	..	6·5	0	0	29	3	1	1	2	1	2	5	14	2	0
	1430	,,	1012·9	1011·1	..	25·3	16·8	10·0	12·3	38	..	2·6	..	7·3	0	0	29	2	0	1	1	1	1	7	16	2	0
	1730	,,	1013·5	1011·6	..	21·1	16·3	12·7	14·7	59	..	2·1	..	1·8	0	0	13	4	0	0	0	0	0	2	7	18	0
	2030	,,	1015·4	1013·5	..	16·2	14·3	12·8	14·8	81	..	1·2	..	1·3	0	0	7	1	2	2	0	0	0	2	0	24	0
	2330	,,	1015·4	1013·5	..	14·0	13·0	12.2	14·2	89	..	0·9	..	1·0	0	0	7	1	0	0	5	0	0	0	1	24	0
Sub-Himalayan West Bengal.																											
Bagdogra . .	0230	131	1015·6	999·9	..	10·7	10·0	9·3	11·7	91	..	0·5	..	1·2	0	0	7	5	1	0	0	0	0	0	1	24	0
	0530	,,	1015·7	999·9	..	10·0	9·5	9·0	11·5	93	..	0·4	..	2·7	0	0	12	6	2	1	1	0	0	1	1	19	0
	0830	,,	1017·8	1002·3	+0·2	15·5	13·7	12.2	14·2	81	0	1·2	−1·1	1·0	0	0	8	4	3	0	1	0	0	0	0	23	0
	1130	,,	1016·6	1001·4	..	22·7	16·4	11·5	13·6	49	..	1·5	..	5·9	0	0	26	1	4	8	8	4	1	0	0	5	0
	1730	,,	1013·9	998·6	..	20·0	16·1	13·2	15·2	65	..	2·6	..	1·5	0	0	8	0	0	2	0	1	3	2	0	23	0
	2330	,,	1016·4	1000·7	..	12·6	11·7	10·9	13·0	90	..	1·2	..	3·0	0	0	17	12	3	0	0	0	0	1	1	14	0
Jalpaiguri . .	0830	83	1017·8	1007·9	+0·1	12·8	12·1	11·5	13·6	91	+5	0·9	−0·5	1·8	0	0	16	8	2	0	0	0	0	0	6	15	0
	1730	,,	1013·6	1004·1	..	22·1	16·3	11·8	13·8	52	..	0·6	..	1·1	0	0	6	0	1	0	1	0	3	1	0	25	0
Cooch Behar . .	0830	43	1018·2	1013·1	..	15·4	14·0	12·9	14·9	85	..	0·6	..	4·4	0	0	26	0	6	19	1	0	0	0	0	5	0
	1130	,,	1016·7	1011·7	..	22·4	17·0	13·0	15·0	56	..	0·5	..	8·0	0	0	30	0	2	20	4	0	1	2	0	1	1
	1730	,,	1014·3	1009·3	..	19·9	16·5	14·0	16·0	69	..	0·9	..	0	0	0	0	0	0	0	0	0	0	1	0	31	0
Balurghat . .	0830	26	1016·6	1013·5	..	16·9	13·9	11·4	13·5	70	..	0·6	..	1·7	0	0	19	5	2	3	1	0	1	3	4	12	0
	1730	,,	1013·2	1010·2	..	20·9	16·6	13·5	15·5	63	..	0	..	0·5	0	0	6	0	0	1	0	0	1	0	4	25	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb	Relative humidity %	Departure from normal	Colud amount (Oktas): Mean amount	Colud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (km. p. h.): 62 or more	Wind speed (km. p. h.): 20 to 61	Wind speed (km. p. h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Sub-Himalayan West Bengal—(Contd)																											
Malda	0830	31	1018 2	1014·4	+0·5	17·2	13·8	10·9	13·0	66	−6	1 0	0	2·1	0	0	22	8	3	1	0	0	0	3	7	9	0
	1730	,,	1014·1	1010·4	..	22·4	16·0	10 9	13·0	49	..	1·4	..	1·7	0	0	19	2	1	1	0	0	0	2	13	12	0
ngetic West Bengal																											
Berhampore	0830	19	1017·4	1015·3	−0 2	16·4	14·0	12·0	14·0	76	−1	1·3	−0·5	0·5	0	0	7	1	0	1	0	2	0	3	0	24	0
	1730	,,	1013·8	1001 6	..	22·0	17·1	13·6	15·6	60	..	0.6	..	0·1	0	0	1	0	0	0	0	0	0	0	1	30	0
Suri	0830	..	..	..	..	18·7	13·8	9·5	11·9	56	..	0·6	..	2·8	0	0	31	7	1	0	0	5	0	14	4	0	0
Asansol	0230	126	1016·1	1001·1	..	13.0	10·9	8·9	11·4	76	..	0·7	..	1·5	0	0	13	3	0	0	0	0	0	4	6	18	0
	0530	,,	1016·4	1001 4	..	12·4	10·8	9·2	11·6	81	..	1·3	..	2·1	0	0	14	0	0	0	0	0	0	6	8	17	0
	0830	,,	1018·4	1003·5	−0 8	17·3	13·5	10·2	12·4	63	−3	1·0	−0.9	5·2	0	0	27	0	1	0	0	0	0	10	16	4	0
	1130	,,	1017·0	1002·5	..	24.5	15·8	8·3	10·9	36	..	0·8	..	8·8	0	0	31	6	4	1	0	1	1	2	16	0	0
	1430	,,	1013·9	999·6	..	26·1	16·0	7 0	10·0	30	..	1·7	..	9 9	0	0	30	3	3	0	1	0	2	3	18	1	0
	1730	,,	1014·3	997·7	..	22·0	15·1	9·1	11·5	44	..	1·5	..	4·3	0	0	21	2	0	0	1	1	0	2	15	10	0
	2330	,,	1016·9	1001·9	..	14·4	11 7	9 1	11·5	71	..	1·0	..	3·0	0	0	17	4	0	0	0	1	0	3	9	14	0
Shanti Niketan	0830	59	1018·4	1011·4	..	17·6	14·0	11·0	13.1	65	..	1·3	..	3·2	0	0	23	6	0	0	1	0	0	5	11	8	0
	1130	,,	1017·3	1010 5	..	24·0	16.2	9·8	12·1	41	..	1·2	..	4 1	0	0	30	12	5	2	0	0	1	2	8	1	0
	1730	,,	1014·3	1007·5	..	21·0	15·3	10 6	12·8	52	..	1 3	..	2·6	0	0	19	5	2	0	0	2	1	5	4	12	0
Krishnanagar	0830	15	1017 7	1016.0	+0·3	17·6	14·5	12·0	14·0	69	−4	0·7	−0 6	0·4	0	0	5	2	0	0	1	0	0	1	1	26	0
	1730	,,	1013 9	1012·3	..	23·0	17·5	13·6	15·6	55	..	1·0	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
Purulia	0830	255	1018·7	989·0	+0 6	16·8	12·9	9·3	11·7	62	+2	2·7	+1·1	3·1	0	0	26	4	0	0	0	0	1	15	6	5	0
	1730	,,	1014·2	985·3	..	23·1	16·3	10·9	13·0	46	..	2·5	..	2·0	0	0	19	7	1	1	0	1	0	3	6	12	0
Bankura	0830	100	1017·9	1006·9	..	17.0	13·3	10·0	12·3	64	..	1·1	..	0·8	0	0	13	3	2	0	0	0	0	4	4	18	0
	1730	,,	1013·8	1002·3	..	23·8	16·3	10·3	12·5	43	..	0 8	..	0·4	0	0	6	2	0	0	0	0	0	1	3	25	0
Burdwan	0830	32	1018·0	1014.2	+0·4	18·7	14·5	11 0	13·1	61	−9	1·0	−0·8	1·2	0	0	14	3	2	0	0	1	0	2	6	17	0
	1730	,,	1014·1	1010·4	..	24·0	16·4	10 3	12·5	42	..	0.6	..	0·5	0	0	7	1	0	0	0	0	0	1	5	24	0
Barrackpore (Aerodrome)	0530	7	1015 8	1015 0	..	13·1	12·3	11 6	13·7	91	..	1.0	..	1·2	0	0	8	0	3	2	0	0	0	1	2	23	0
	0830	,,	1017·9	1017·2	+0.6	18·1	15·2	12 9	14·9	72	−2	1·5	−0 5	2·6	0	0	13	5	0	1	0	0	0	0	7	18	0
	1130	,,	1016·7	1015·9	..	24·4	17 3	11 9	13 9	45	..	1·4	..	8·3	0	2	28	12	2	1	2	0	1	3	9	1	0
	1730	,,	1014 3	1013·5	..	22·2	18·2	15 5	17 6	66	..	1.8	..	1·3	0	0	10	2	0	0	0	0	2	0	6	21	0
	2330	,,	1016·4	1015·6	..	15·5	14·4	13 5	15·5	88	..	0·3	..	0.1	0	0	1	0	0	0	0	0	0	0	1	30	0
Calcutta (Dum Dum)	0230	6	1015·0	1014 3	..	14·5	13·9	13 4	15·4	91	..	1·1	..	0 6	0	0	7	2	2	0	0	0	1	1	1	24	0
	0530	,,	1015·4	1014 7	..	13·6	13·0	12·5	14·5	93	..	1·2	..	1·0	0	0	11	3	2	0	1	0	2	0	3	20	0
	0830	,,	1017·7	1017·0	+0.4	17 8	15·3	13 4	15·4	75	+2	1·5	−0.1	1·7	0	0	14	5	2	0	1	0	1	0	5	17	0
	1130	,,	1016·6	1015·9	..	24·6	17·5	12·3	14·3	47	..	1·8	..	5 1	0	0	31	8	2	1	2	0	3	0	14	0	1
	1430	,,	1013·8	1013 1	..	26·1	18·3	12·7	14·7	44	..	2·4	..	4·6	0	0	29	7	1	2	1	1	3	1	13	2	0
	1730	,,	1014·1	10 3 4	..	22·9	18·0	14.7	16·7	60	..	2·6	..	0·3	0	0	3	1	0	0	0	0	0	0	2	28	0
	2030	,,	1015·9	1015·2	..	17·9	16·2	15 0	17·0	83	..	1·0	..	0·6	0	0	7	1	2	0	1	1	1	1	0	24	0
	2330	,,	1015·9	1015·2	..	15·9	14·8	13·9	15·9	88	..	1·3	..	0 9	0	0	9	2	2	0	1	1	2	1	0	22	0
Calcutta	0830	6	1017·4	1016 6	−0·1	19·1	15·6	12·9	14·9	67	−15	1·2	−0·6	2·1	0	0	18	4	1	1	0	1	0	1	10	13	0
	1130	,,	1016·1	1015·4	..	25·3	17·1	10·7	12·9	40	..	1·4	..	3·9	0	0	26	7	2	4	0	1	1	2	9	5	0
	1730	,,	1013·8	1013·0	..	22·8	16·9	12·5	14·5	52	..	2·0	..	1·2	0	0	14	2	0	0	2	1	2	1	6	17	0
Midnapore	0830	45	1017·8	1012·5	+0 3	19·3	14·6	10·7	12·9	57	−7	1·0	−0 8	1·7	0	0	22	7	13	0	0	0	1	0	0	9	1
	1730	,,	1013·8	1008·6	..	24·6	16·7	10·4	12.6	42	..	1 5	..	1·4	0	0	19	8	6	0	1	1	1	0	2	12	0
Contai	0830	11	1017.6	1016·8	+0·8	19·2	16 1	13·8	15·8	71	−1	1 3	+0·3	3·5	0	0	28	24	1	1	0	1	0	1	0	3	0
	1730	,,	1014·0	1012 8	..	22·8	17·9	14·5	16·5	60	..	1 3	..	2·6	0	0	22	1	1	0	5	15	0	0	0	9	0
Sagar Island	0830	3	1016·9	1016·5	−0.3	20·3	17.9	16 3	18·5	78	−2	1·8	−0·4	8 6	0	0	30	12	11	1	0	1	0	0	5	1	0
	1730	,,	1013 6	1013·3	..	22·8	18·3	15·3	17·4	63	..	2·4	..	7·4	0	0	31	5	4	2	2	6	8	1	3	0	0
Saugeheads	0550	10	1015 0	1013·9		22·1	18·9	16 9	19·3	73	..	1 9	..	7·5	0	0	22	9	9	1	2	0	0	0	1	9	0
	0830	,,	1017·2	1016 1	0	23·9	19·7	17·1	19·5	66	+3	1·7	−0.1	9·2	0	3	25	14	11	1	0	0	0	0	2	3	0
	1130	,,	1016·6	1015·5	..	27 2	20·6	16·6	18·9	53	..	1·7	..	8 6	0	5	18	12	6	2	0	0	0	1	2	8	0
	1730	,,	1014·5	1013·4	..	23·8	19·1	16·1	18·3	62	..	2 1	..	5·0	0	0	15	3	4	2	2	0	0	2	2	16	0
	2330	,,	1015·7	1014·6	..	22·4	19 0	16·9	19 3	71	..	..	..	4·2	0	1	13	4	5	1	2	1	1	0	0	17	0
Orissa																											
Baripada	0830	54	1018·9	1012·5	..	17·7	14·4	11·7	13 7	67	..	1·3	..	2·5	0	0	25	12	9	0	0	1	0	0	3	6	0
	1730	,,	1014 9	1008·6	..	23·4	17·1	12·4	14·4	50		2 5	.	0·2	0	0	3	0	1	0	0	1	0	0	1	28	0
Jharsuguda	0230	230	1015·7	988·5	..	14·4	12·5	10·8	12·9	79	..	0 8	..	0 6	0	0	4	2	1	0	0	0	0	1	0	27	0
	0530	,,	1016·1	988·9	..	13·2	11·8	10·5	12·7	83	..	1·6	..	0·6	0	0	3	2	0	1	0	0	0	0	0	28	0
	0830	,,	1018.1	991·2	+0·7	17·0	13·5	10·5	12·7	65	−3	2·2	+0·7	6·5	0	0	24	5	14	4	0	0	1	0	0	7	0
	1130	,,	1016·8	990·6	..	24·0	15·8	8·8	11·3	39	..	1·5	..	6·2	0	0	25	6	7	5	0	0	1	4	2	6	0
	1730	,,	1013·5	987·4	..	24·2	16·2	9·6	11·9	41	..	3·0		2·9	0	0	12	2	2		0	1	3	3	0	19	0
	2330	,,	1016·3	989·4	..	16·7	13·7	11·2	13·3	70	..	0·9	..	1 3	0	0	7	2	3	0	1	0	1	0	0	24	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km. p. h.): 62 or more	Wind speed (km. p. h.): 20 to 61	Wind speed (km. p. h.):	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Orissa (*Contd*)—																											
Keonjhargarh	0830	463	1018.2	965·6	..	19·3	16·1	13·7	15·7	72	..	1·2	..	1·9	0	0	30	11	5	3	0	0	0	4	7	1	0
	1730	,,	1013·4	961·7	..	23·1	18·9	16·2	18·4	67	..	1·8	..	1·3	0	0	21	2	1	0	0	2	3	8	5	10	0
Balasore	0830	20	1017·8	1015·4	+0·2	18·8	15·0	12·0	14·0	64	−8	2·1	+0·3	5·3	0	0	31	22	2	0	0	1	1	0	5	0	0
	1730	,,	1013·9	1011·7	..	22·8	17·9	14·5	16·5	59	..	2·9	..	3·1	0	0	25	0	0	1	8	15	1	0	0	6	0
Sambalpur	0830	149	018·0	1000·6	+0·3	18·8	15·1	12·2	14·2	67	−4	1·9	+0·1	2·7	0	0	23	5	10	2	0	1	1	0	4	8	0
	1730	,,	1014·8	997·6	..	22·8	16·9	12·5	14·5	52	..	1·6	..	0·2	0	0	3	0	0	0	0	0	1	0	2	28	0
Angul	0830	139	1018·1	1001·8	+0·6	17·9	15·3	13·3	15·3	74	+1	2·3	0	3·9	0	0	30	1	1	0	0	1	1	18	8	1	0
	1730	,,	1014·0	998·2	..	25·1	18·1	13·1	15·1	49	..	2·6	..	3·3	0	0	29	13	2	2	1	4	1	4	2	2	0
Chandbali	0830	6	1017·7	1016·9	+0·1	20·1	16·9	14·7	16·7	72	−3	1·8	0	3·9	0	0	29	8	2	0	0	0	0	0	19	2	0
	1730	,,	1014·0	1013·3	..	23·3	18·3	14·9	16·9	60	..	2·3	.	4·9	0	0	29	0	9	9	0	0	1	0	0	2	0
Bolangir	0830	,,	1017·8	995·6	..	18·9	15·9	13·7	15·7	73	..	2·3	..	3·5	0	0	31	12	5	1	2	4	1	1	5	0	0
	1730	,,	1011·0	992·0	..	24·7	18·2	13·7	15·7	52	..	2·2	..	3·2	0	0	31	8	7	5	3	3	2	0	3	0	0
Phulbani	0830	464	1016·6	963·3	..	15·4	13·7	12·5	14·5	82	..	1·2	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	1730	,,	1018·8	960·0	..	22·3	17·3	14·1	16·1	59	..	1·3	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
Cuttack	0830	27	1017·7	1014·6	+0·2	19·3	17·2	15·8	17·9	80	+2	2·0	0	1·7	0	0	14	2	3	0	0	0	1	3	5	17	0
	1730	,,	1013·8	1010·8	..	26·7	20·1	16·0	18·2	52	..	2·5	..	1·5	0	0	10	0	1	3	2	0	0	4	0	21	0
Titlagarh	0830	211	1018·2	993·7	..	18·2	16·1	14·6	16·6	76	..	0·8	..	1·2	0	0	19	1	2	3	8	3	0	0	1	13	0
	1730	,,	1013·7	989·8	..	25·3	18·8	14·4	16·4	53	..	1·2	..	1·4	0	0	20	5	11	1	0	0	1	0	2	11	0
Bhubaneswar	0230	46	1015·0	1009·6	..	18·0	16·6	15·6	17·7	86	..	0·5	..	3·5	0	0	18	7	1	1	2	0	0	0	7	13	0
	0530		1015·3	1009·9	.	16·9	15·8	15·1	17·1	89	..	0·9	..	4·9	0	0	28	8	5	0	0	1	1	6	7	3	0
	0830	,	1017·9	1012·5	+0·9	21·6	18·1	15·8	17·9	70	0	2·1	+0·3	6·1	0	1	25	10	6	1	0	0	0	1	8	5	0
	1130	,	1016·8	1011·5	..	26·2	18·5	13·1	15·1	44	..	2·6	..	7·9	0	0	30	4	8	7	0	1	3	2	3	1	0
	1430	,,	1013·8	1008·6	..	27·8	18·4	11·5	13·6	37	..	3·3	..	7·9	0	0	30	3	6	9	2	1	1	2	5	1	1
	1730	,,	1014·1	1008·7	.	25·4	18·2	13·1	15·1	47	..	2·7	..	7·4	0	1	28	5	3	9	6	2	2	0	2	2	0
	2330	,,	1016·2	1010·8	..	19·7	17·6	16·2	18·4	81	..	1·0	..	4·8	0	0	27	2	1	3	3	6	4	5	3	4	0
Puri	0830	6	1017·7	1016·9	+0·6	21·3	18·4	16·5	18·8	75	−2	2·3	+0·5	6·8	0	0	31	27	3	0	0	1	0	0	0	0	0
	1730	,,	1014·1	1013·4	..	24·4	20·2	17·7	20·2	67	..	3·0	..	8·6	0	0	30	0	1	3	12	9	5	0	0	1	0
Gopalpur	0530	17	1015·1	1013·1	..	17·7	16·2	15·1	17·1	85	..	1·3	..	4·7	0	0	28	11	0	0	0	0	0	0	17	3	0
	0830	,,	1017·7	1015·7	+0·7	20·6	17·4	15·2	17·3	72	−2	2·2	+0·8	6·0	0	0	29	14	0	0	0	0	0	0	15	2	0
	1130	,,	1017·0	1015·0	..	26·7	20·8	17·3	19·7	57	..	2·5	..	5·7	0	0	29	4	2	8	10	4	0	0	1	2	0
	1730	,,	1014·1	1012·1	..	24·8	20·7	18·3	21·0	67	..	2·7	.	7·8	0	0	31	0	0	7	20	3	1	0	0	0	0
	2330	,,	1016·1	1014·1	..	20·6	18·6	17·4	19·9	82	..	1·3	..	1·8	0	0	11	2	1	1	0	0	1	3	3	20	0
Koraput (R)	0830	913	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	.	..	..	..	..	..
(R)	1730		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bihar Plateau																											
Dumka	0830	149	1018·4	1000·9	+0·5	16·4	12·9	9·7	12·0	65	−1	0·7	−0·7	2·3	0	0	15	2	2	0	4	1	1	1	4	16	0
	1730	.	1014·1	997·0	..	22·1	15·5	10·0	12·3	46	..	0·5	..	2·0	0	0	12	0	1	0	2	1	1	2	5	19	0
Daltonganj	0830	221	1019·7	993·7	+1·3	14·6	12·1	9·8	12·1	73	−7	1·5	−0·1	1·7	0	0	24	0	6	1	5	3	6	0	3	7	0
	1730	,,	1013·2	988·0	..	22·9	15·5	9·2	11·6	43	..	0·9	..	2·6	0	0	30	6	6	0	0	1	6	4	9	1	0
Hazaribagh	0830	611	1018·1	948·0	+0·5	15·0	11·0	7·3	10·2	60	0	1·5	−0·4	4·2	0	0	17	1	0	1	1	1	0	2	11	14	0
	1730	.	1014·3	945·3	..	19·0	12·4	6·4	9·6	44	..	1·7	..	7·9	0	0	29	4	1	0	1	0	0	0	23	2	0
Dhanbad	0830	257	1017·8	987·8	..	17·4	12·9	8·7	11·2	57	..	0·6	..	1·3	0	0	14	2	0	0	0	0	0	10	2	17	0
	1730	,,	1013·7	984·4	..	22·9	15·2	8·5	11·1	42	..	0·4	..	1·1	0	0	9	0	0	0	0	0	.	5	3	22	1
Ranchi	0830	655	1017·9	942·4	0	13·0	8·7	4·1	8·2	54	−5	1·3	−0·8	1·3	0	0	20	1	1	1	0	1	0	0	16	11	0
	1730	,,	1013·1	939·7	..	20·4	13·4	7·4	10·3	46	..	1·8	..	1·7	0	0	26	4	2	3	0	1	0	0	16	5	0
Ranchi Aerodrome	0530	652	1016·7	941·4	..	12·4	9·5	6·3	9·5	68	..	1·5	..	5·1	0	0	24	9	1	1	0	1	0	7	5	7	0
	0830	,,	1018·2	943·6	..	15·5	11·1	6·5	9·7	58	..	1·7	..	4·8	0	0	23	9	1	1	0	0	2	4	6	8	0
	1130	,,	1016·2	943·0	..	20·8	12·8	4·4	8·4	37	..	1·7	..	11·4	0	5	23	8	1	3	1	1	1	7	6	3	0
	1430	,,	1013·9	940·4	..	22·5	13·3	3·5	7·9	32	..	2·2	..	14·0	0	9	19	8	0	1	1	1	2	7	8	3	0
	1730	,	1013·6	940·6	..	20·9	12·8	4·3	8·3	37	..	2·1	..	10·4	0	3	27	11	1	4	0	1	1	4	8	1	0
Jamshedpur	0830	129	1017·9	1002·7	−0·1	15·2	13·0	11·1	13·2	76	+2	1·8	−0·1	1·1	0	0	16	2	0	0	1	0	0	1	12	15	0
	1730	,,	1010·2	995·5	..	24·0	16·9	11·5	13·6	46	..	1·6	.	1·1	0	0	13	2	2	2	0	0	1	2	4	18	0
Jamshedpur (P.B.O.)	0530	142	1016·2	999·3	..	13·0	11·5	10·1	12·3	83	..	0·8	..	1·1	0	0	7	0	0	0	0	2	2	1	2	24	0
	0830	,,	1018·5	1001·8	..	16·5	13·3	10·5	12·7	6	..	1·8	..	3·0	0	0	20	0	0	0	0	2	4	5	9	11	0
	1130	,,	1016·9	1000·7	..	23·4	15·5	9·4	11·8	41	..	0·9	..	5·0	0	0	28	1	3	0	0	2	2	10	10	3	0
	1430	,,	1013·6	997·5	.	25·9	16·5	8·5	11·1	34	..	2·1	..	6.4	0	0	29	0	2	0	0	1	3	10	13	2	0
	1730	,	1013·8	997·5	..	23·6	16·3	10·4	2·6	44	..	1·8	..	1.4	0	0	10	0	0	3	1	1	0	1	4	21	0
	2330	,,	1016·4	999·8	..	15·9	13·4	11·5	13·4	74	..	1·3	..	1·7	0	0	11	0	1	0	0	2	1	0	7	20	0
Chaibasa	0830	226	1018·3	991·7	+0·6	15·9	13·4	11·3	13·4	72	−4	2·1	+0·1	2·5	0	0	23	0	0	0	0	0	23	0	0	8	0
	1730	,,	1013·3	987·6	..	23·8	17·2	12·3	14·3	49	..	2·0	..	0·3	0	0	4	0	1	0	0	0	2	0	1	27	0

(R) Register not received.

TABLE III—SUMMARY OF OBSERVATIONS AT FIXED HOURS—JANUARY 1965 (PAUSA 11—MAGHA 11, 1886 SAKA)

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (km. p. h.): 62 or more	Wind speed (km. p. h.): 20 to 61	Wind speed (km. p. h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bihar Plains																											
Motihari	0830	66	1017.8	1009.9	+0.5	14.1	12.7	11.5	13.6	84	+6	0.8	−1.2	2.7	0	0	25	4	1	8	0	1	1	4	6	6	0
	1730	,,	1014.1	1006.4	..	19.4	15.7	12.9	14.9	67	..	0.2	..	(b) 0	0	0	0	0	0	0	0	0	0	0	0	29	0
Forbesganj	0830	61	1017.9	1010.7	..	14.2	12.7	11.4	13.5	83	..	1.0	..	1.7	0	0	23	0	4	10	0	0	0	7	2	8	0
	1730	,,	1014.0	1007.0	..	20.5	15.9	12.3	14.3	59	..	1.0	..	1.2	0	0	15	0	0	1	0	0	0	14	0	16	0
Darbhanga	0830	49	1018.8	1013.1	+1.2	17.7	14.4	11.7	13.7	69	−13	0.6	−1.0	1.0	0	0	12	0	0	2	0	0	3	4	3	19	0
	1730	,,	1015.7	1009.9	..	22.4	16.5	12.0	14.0	52	..	0.3	..	0.5	0	0	5	0	0	0	0	0	0	3	2	26	0
Chapra	0830	58	1018.1	1011.2	..	14.3	12.1	10.1	12.3	76	..	1.2	..	2.1	0	0	26	0	2	1	0	0	16	4	3	5	0
	1730	,,	1015.5	1008.8	..	19.5	15.3	12.0	14.0	63	..	0.1	..	3.2	0	0	29	0	0	1	1	0	9	13	5	2	0
Purnea	0830	38	1017.8	1013.3	−0.1	15.3	12.7	10.4	12.6	73	−12	0.4	−1.0	1.3	0	0	18	0	1	2	0	1	7	7	0	13	0
	1730	,,	1014.0	1009.6	..	20.5	15.8	12.1	14.1	59	..	0.6	..	1.0	0	0	13	0	0	0	0	0	8	5	0	18	0
Patna	0830	53	1018.0	1011.7	−0.1	14.6	12.4	10.4	12.6	76	+5	1.2	−0.5	5.5	0	0	28	0	1	1	2	2	17	5	0	3	0
	1730	,,	1014.4	1008.3	..	21.5	15.6	10.8	12.9	51	..	1.2	..	4.4	0	0	28	0	3	1	0	2	0	21	1	3	0
Patna Aerodrome	0530	60	1015.5	1008.3	..	10.9	9.7	8.5	11.1	86	..	0.6	..	2.3	0	0	14	0	0	0	1	0	6	4	3	17	0
	0830	,,	1017.7	1010.6	..	15.1	12.3	9.7	12.0	71	..	1.5	..	5.7	0	1	24	0	1	1	2	0	11	9	1	6	0
	1130	,,	1017.2	1010.2	..	21.9	15.1	9.3	11.7	45	..	1.2	..	9.8	0	2	27	1	2	0	2	0	3	12	8	2	1
	1430	,,	1014.2	1007.3	..	24.0	15.5	8.1	10.8	36	..	1.7	..	13.1	0	6	23	1	1	1	1	0	3	7	15	2	0
	1730	,,	1014.2	1007.2	..	20.8	15.3	10.8	12.9	53	..	1.4	..	2.5	0	0	15	0	0	0	0	0	0	6	9	16	0
	2330	,,	1016.1	1009.1	..	13.4	11.7	10.1	12.3	81	..	0.2	..	1.1	0	0	6	0	1	0	0	0	0	4	1	25	0
Bhagalpur	0530	49	1016.1	1010.2	..	13.4	11.3	9.3	11.7	80	..	0.7	..	3.4	0	0	22	0	0	2	0	10	9	0	1	9	0
	0830	,,	1018.3	1012.5	+0.3	16.1	12.9	10.0	12.3	67	−9	1.3	−0.4	3.2	0	0	25	1	1	2	1	4	9	1	1	6	0
	1130	,,	1017.6	1011.8	..	21.4	15.6	10.9	13.0	51	..	1.2	..	6.2	0	1	29	1	0	2	2	3	5	12	5	1	0
	1730	,,	1014.5	1008.9	..	20.3	15.1	10.8	12.9	55	..	1.2	..	5.3	0	0	26	0	1	0	2	0	8	15	0	5	0
	2330	,,	1016.6	1010.8	..	15.9	13.0	10.4	12.6	70	..	0.5	..	3.2	0	0	20	0	1	2	0	2	8	7	0	11	0
Sabaur	0830	37	1018.1	1013.7	+0.1	14.4	12.5	10.8	12.9	81	−1	1.2	−0.6	2.1	0	0	22	0	1	1	1	3	4	1	1	9	0
	1730	,,	1014.3	1009.9	..	21.3	16.3	12.5	14.5	58	..	1.1	..	2.3	0	0	19	1	0	0	9	0	0	7	11	12	0
Jamui	0830	82	1019.2	1009.5	..	15.0	13.6	12.5	14.5	87	..	0.2	..	2.3	0	0	28	1	0	13	4	1	1	6	2	3	0
	1730	,,	1019.5	1009.8	..	15.9	14.3	13.0	15.0	82	..	0	..	3.9	0	0	31	5	0	13	0	2	0	11	0	0	0
Dehri	0830	107	1018.2	1005.5	..	15.8	13.1	10.7	12.9	71	..	1.6	..	2.4	0	0	27	2	1	0	0	7	10	7	1	3	0
	1730	,,	1014.2	1001.8	..	22.6	15.2	8.7	11.2	42	..	1.3	..	3.7	0	0	31	4	1	2	0	0	1	15	8	0	0
Gaya	0230	116	1016.6	1002.7	..	11.6	10.2	8.8	11.3	83	..	0.1	..	0.7	0	0	10	0	0	0	1	6	2	1	0	21	0
	0530	,,	1016.6	1002.6	..	10.5	9.5	8.5	11.1	87	..	0.3	..	1.9	0	0	23	0	1	0	2	9	10	1	0	8	0
	0830	,,	1018.5	1004.7	+0.5	15.0	12.3	9.8	12.1	71	+8	1.5	−0.2	2.6	0	0	27	0	0	0	3	5	13	4	2	4	0
	1130	,,	1017.9	1004.5	..	22.4	15.6	9.9	12.2	45	..	0.9	..	7.4	0	0	28	1	0	2	2	0	3	5	15	3	0
	1730	,,	1014.7	1001.3	..	21.6	15.2	9.8	12.1	47	..	0.9	..	3.7	0	0	30	9	3	2	0	0	0	1	15	1	0
	2330	,,	1017.1	1003.3	..	13.7	11.4	9.2	11.6	74	..	0.1	..	1.7	0	0	20	0	0	1	4	4	9	2	0	11	0
Uttar Pradesh (East)																											
Kheri (R)	0830	147																									
(R)	1730																										
Bahraich	0830	124	1017.4	1002.5	0	11.8	10.5	9.1	11.5	84	+3	1.5	0	3.0	0	0	17	0	0	2	1	0	0	13	1	14	0
	1730	,,	1014.9	1000.5	..	20.2	15.2	11.0	13.1	56	..	2.0	..	6.4	0	0	11	0	0	0	0	0	1	10	0	20	0
Nautanwa	0830	99	1017.3	1005.4	..	12.0	11.1	10.3	12.5	89	..	0.9	..	1.2	0	0	19	1	4	3	0	2	3	1	5	12	0
	1730	,,	1014.0	1002.4	..	20.4	15.6	11.8	13.8	58	..	1.0	..	1.3	0	0	18	0	1	0	2	0	11	2	2	13	0
Hardoi	0830	142	1018.9	1001.8	+1.4	12.0	10.6	9.3	11.7	84	−2	1.0	−1.3	2.6	0	0	27	4	1	1	2	0	1	5	13	4	0
	1730	,,	1017.3	1000.7	..	19.4	14.7	10.4	12.6	58	..	0.8	.	2.3	0	0	26	3	2	0	2	0	0	6	12	5	0
Gonda	0830	110	1018.1	1004.9	..	13.0	11.3	9.6	11.9	80	0	1.1	−1.2	2.3	0	0	19	0	0	1	0	0	0	11	7	12	0
	1730	,,	1013.7	1001.9	..	20.1	15.3	11.4	13.5	58	..	1.0	..	0.8	0	0	9	0	0	1	0	0	0	1	7	22	0
Lucknow	0830	111	1017.3	1004.1	−0.3	13.4	11.3	9.2	11.6	76	−2	1.3	−0.5	1.4	0	0	21	0	0	1	1	0	0	14	5	10	0
	1730	,,	1014.3	1001.4	..	21.9	15.2	9.3	11.7	46	..	1.3	..	1.3	0	0	19	1	2	0	0	0	0	15	1	11	0
Lucknow (Amausi)	0230	128	1016.0	1001.0	..	11.2	9.2	8.0	10.7	83	..	1.4	..	4.7	0	0	25	1	3	0	2	0	1	12	6	6	0
	0530	,,	1016.2	1000.8	..	9.4	8.5	7.4	10.3	88	..	1.4	..	4.0	0	0	27	1	2	2	1	0	1	13	7	4	0
	0830	,,	1018.1	1002.8	+0.2	12.2	10.4	8.6	11.2	79	+2	1.2	−0.6	4.5	0	0	24	1	1	1	1	0	1	11	8	7	0
	1130	,,	1018.0	1003.1	..	20.7	14.2	8.2	10.9	46	..	1.3	..	8.8	0	1	30	4	0	3	1	2	0	12	9	0	0
	1430	,,	1015.1	1000.4	..	23.3	14.8	6.5	9.7	35	..	2.0	..	11.7	0	4	26	2	3	1	1	1	0	11	11	1	0
	1730	,,	1014.8	1000.0	..	20.6	14.5	8.8	11.3	48	..	1.9	..	5.0	0	0	29	1	1	4	0	0	1	12	10	2	0
	2030	,,	1016.6	1001.5	..	14.3	11.8	9.3	11.7	72	..	1.2	..	3.5	0	0	27	1	4	2	0	1	2	16	1	4	0
	2330	,,	1017.1	1001.8	..	12.1	10.5	8.8	11.3	80	..	0.8	..	4.0	0	0	25	0	1	3	1	0	1	15	4	6	0
Faizabad	0830	102	1017.6	1005.4	..	12.4	11.0	9.5	11.9	83	..	1.3	..	1.6	0	0	16	0	0	0	1	0	1	13	1	15	0
	1730	,,	1014.4	1002.8	..	19.7	15.4	12.0	14.0	62	..	2.1	..	1.3	0	0	12	0	1	0	0	0	2	8	1	19	0

(b) Mean of 29 days.

(R) Register not received.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed in km. per hour	Wind speed (km. p. h.): 62 or more	20 to 61	1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Varible
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Uttar Pradesh (East) —(*Contd.*)																											
Gorakhpur	0830	77	1017.1	1008·1	—0·1	14·7	12·2	9·7	12·0	72	—7	1·1	—0·3	1.7	0	0	19	0	1	1	1	0	7	7	2	12	0
	1730	,,	1014.0	1005·0	..	22·0	16 0	11·0	13·1	51	..	1·3	..	1·7	0	0	20	0	1	0	0	1	0	17	1	11	0
Gorakhpur (P.B.O.)	0230	78	1015.7	1006·4	..	14·5	11·9	9·6	11·9	74	..	0·5	..	2·3	0	0	18	2	1	1	1	1	1	7	4	13	0
	0530	,,	1015·5	1006·2	..	13·4	11.1	9·1	11·5	76	..	0·9	..	2·6	0	0	14	1	0	1	0	1	1	6	4	17	0
	1130	,,	1017·3	1008·2	..	21·4	15·2	10·7	12·9	52	..	1.0	..	6·3	0	0	30	1	0	2	8	5	0	12	2	1	0
	1430	,,	1014·5	1005.2		22.9	15·4	9.7	12.0	45	..	1.3	..	6.1	0	0	30	1	1	0	7	4	3	11	3	1	0
	2030	,,	1016.2	1007.0		17.5	13.3	10.8	12.9	66	..	0·4	..	1.7	0	0	10	0	2	1	0	0	0	4	3	21	0
	2330	,,	1016·4	1007·1	..	15·9	13·0	10·6	12.8	72	..	0·4	..	2·5	0	1	12	1	1	0	0	1	0	4	6	18	0
Kanpur	0830	126	1017.7	1002·6	—0.2	11·6	10·2	8·8	11.3	83	+5	0·9	—0·4	4·0	0	0	20	3	0	1	0	0	2	12	2	11	0
	1730	,,	1014·7	1000·1	..	22·8	15·5	9·2	11·6	43	..	0 7	..	6·2	0	0	29	1	1	2	0	1	0	22	2	2	0
Kanpur (Aerodrome)	0530	126	1016·4	1001·3	..	11·0	9·3	7·5	10·4	80	.	1·7	..	9.8	0	0	27	6	1	2	2	0	1	9	6	4	0
	0830	,,	1018·4	1003·4	..	13·0	10·7	8·2	10·9	74	..	1·7	..	10.0	0	0	27	3	1	2	0	0	2	15	4	4	0
	1130	,,	1018·3	1003·7	..	21·2	14.1	7·1	10·1	42	..	1·6	.	13.8	0	1	30	6	1	1	2	2	1	8	10	0	0
	1730	,,	1015 1	1000·6	..	21·4	14·4	7·7	10·5	43	..	2·3	..	1[illegible].6	0	0	28	1	3	0	2	1	0	10	11	3	0
	2330	,,	1017·3	1003·2	..	13·3	11·1	8·6	11·2	74	..	1·4	..	8.1	0	0	27	4	1	2	1	0	1	9	9	4	0
Sultanpur	0830	97	1018·3	1006·7	..	12·8	10·9	9.0	11·5	78	..	1·0	..	1·0	0	0	11	0	0	0	1	0	2	7	1	20	0
	1730	,,	1014·4	1003·2	.	22·1	15·9	10·8	12·9	49	..	1·5	..	0.7	0	0	8	0	1	1	0	0	0	5	1	23	0
Azamgarh	0830	78	1018·1	1009 0	..	13·1	11·5	10 0	12·3	82	..	0·9	..	5.9	0	0	30	0	0	5	0	1	0	24	0	1	0
	1730	,,	1014·7	1005.6	..	20·9	16·1	21·2	14·2	58	..	0·3	..	5·1	0	0	31	0	0	5	0	1	0	25	0	0	0
Fatehpur	0830	114	1018·7	1004·7	..	13·0	10·9	8·7	11·2	75	+6	1·2	—0·7	3·7	0	0	25	0	2	0	1	0	4	12	6	6	0
	1730	,,	1015 1	1001·9	..	21·5	15 2	9·7	12·0	47	..	1·8	..	3·2	0	0	21	1	0	2	0	0	0	7	11	10	0
Ballia	0830	64	1018·9	1011·4	..	15·6	13·0	10·6	12·8	74	..	1·4	..	1·8	0	0	21	0	2	1	0	0	4	11	3	10	0
	1730	,,	1015·4	1008·0	..	21·1	16·7	13·5	15·5	62	..	0·8	..	0·5	0	0	7	0	0	0	0	0	0	7	0	24	0
Banda	0830	121	1019·3	1005·0	..	14·4	11·5	8·6	11·2	68	..	1·7	..	0·5	0	0	5	0	0	0	2	0	3	0	0	26	0
	1730	,,	1015·4	1001·5	..	23·7	16 5	10·5	12·7	45	..	1·6	..	2·0	0	0	17	0	2	0	0	0	6	0	9	14	0
Allahabad (Bamhrauli)	0230	98	1016·7	1005·0	..	12·0	10·3	8·6	11·3	80	..	0 6	..	0·5	0	0	7	1	0	0	0	0	2	3	1	24	0
	0530	,,	1016 6	1004 8	..	10·6	9·3	7·9	10·8	64	..	0·9	..	0 8	0	0	8	0	0	0	0	0	0	8	0	23	0
	0830	,,	1018.6	1006·8	+0·4	12·6	10·7	8 9	11 4	79	—1	1·5	—0·8	1·5	0	0	13	0	0	0	0	2	4	7	0	18	0
	1130	,,	1017·7	1007·1	..	22·2	15·2	9·0	11·7	44	..	1·5	..	4·0	0	0	26	1	1	2	1	1	3	14	3	5	0
	1430	,,	1015·4	1004.1	..	24·9	15·9	7·8	11·1	34	..	1·4	..	6·3	0	0	31	1	2	2	0	0	1	18	7	0	0
	1730	,,	1015 0	1003·7	..	22·7	14·9	10·2	12·7	46	..	1·2	..	1.1	0	0	13	1	0	1	0	0	0	8	3	18	0
	2030	,,	1016.8	1005.0		16.6	13·2	10.1	12.5	66	..	0.4	..	0.5	0	0	7	1	0	0	0	0	0	3	3	24	0
	2330	,,	1017.3	1005.7		14.0	11.5	9.1	11.7	73	..	0.4	..	0.8	0	0	8	1	0	0	0	0	2	3	2	23	0
Varanasi (Babatpur)	0530	85	1017·2	1006·8	..	12·9	10.7	8·6	11.2	76	..	0 9	..	3·3	0	0	19	0	0	0	2	0	9	3	0	12	5
	0830	,,	1019·3	1009·0	+0·9	14 0	12·0	10·0	12·3	74	—4	1 5	—0·8	7·0	0	0	24	0	0	2	0	1	10	11	0	7	0
	1130	,,	1019 0	1009·0	..	21·1	15·4	10·6	12·7	52	..	1 4	..	10·3	0	0	28	0	1	1	0	3	4	18	1	3	0
	1730	,,	1015·6	1005 6	..	21·9	15·7	10 6	12·8	49	..	1·3	..	5·0	0	0	24	0	0	2	0	0	4	16	2	7	0
	2330	,,	1017.8	1007 5	..	16 3	13·0	9·9	12·2	67	..	0 6	..	1·9	0	0	13	0	0	0	1	0	1	10	0	18	1
Varanasi	0830	76	1018 2	1009·1	+0.3	14·3	11 8	9·2	11 6	73	—5	1·5	—0·1	2.0	0	0	26	0	0	0	2	0	8	12	4	5	0
	1730	,,	1014 4	1005·5	..	22·9	16 1	10.4	12·6	45	..	1·2	..	2.0	0	0	25	0	1	2	0	0	2	17	3	6	0
Uttar Pradesh (West)																											
Mukhim	0830	..	..	..	..	8.2	3.8	—2.4	5.0	51	..	1.8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	9.2	5.2	0.1	6.1	55	..	3.4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tehri	0830	..	..	..	..	6.3	6.0	5.6	9.1	95	..	2.4	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	1130	..	..	..	..	14.4	10.0	5.6	9.1	56	..	2.1	..	0.6	0	0	6	1	1	0	0	2	0	1	0	25	1
	1730	..	..	..	..	16.9	11.5	6.5	9.7	51	..	3.2	..	1.6	0	0	13	1	0	0	4	5	2	0	0	18	1
Dehra Dun	0530	692	1017.3	937·5	..	8 5	7·1	5·6	9.1	82	..	0.9	..	0.3	0	0	2	2	0	0	0	0	0	0	0	29	0
	0830	,,	1018·8	939·1	+0·9	9·0	7·4	5.4	9·0	79	+6	1·2	—2·2	0.6	0	0	8	6	0	0	0	0	0	2	0	23	0
	1130	,,	1017·1	939·9	..	18·6	12·2	6.5	9·7	47	..	2·0	..	1·4	0	0	13	1	0	1	1	2	3	3	2	18	0
	1730	,,	1014 3	937·5	..	17·4	12·6	8·6	11·2	57	..	2·9	..	1·0	0	0	14	0	0	0	0	2	3	8	1	17	0
	2330	,,	1017·6	938·7	..	11·2	9·3	6.7	10·4	78	..	1·2	..	1·2	0	0	6	3	1	0	0	0	0	1	1	25	0
Mussoorie	0830	..	..	..	..	5.9	1.9	—3.7	4.5	48	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	5.7	2.9	—0.5	5.9	64	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Roorkee	0830	274	1018·5	985.6	+0.4	8·9	7.9	6·7	9·8	85	+2	1·7	—0·9	0·7	0	0	12	0	0	0	1	0	0	0	11	19	0
	1730	,,	1015·7	984·0	..	18·8	13·6	9·0	11·5	54	..	2·5	..	1·0	0	0	17	0	0	0	2	0	0	0	15	14	0
Najibabad	0830	270	1018·9	986·7	..	8·9	8·2	7·3	10·2	90	..	1·0	..	2·1	0	0	20	0	1	6	1	0	1	7	4	11	0
	1730	,,	1017·3	985.8	..	17·4	13·5	10·0	12·3	62	..	3·3	..	3·3	0	0	23	0	0	3	3	0	0	8	9	8	0
Meerut	0830	222	1019·1	992·6	+1·7	13·1	10·8	8.4	11·0	74	—3	0·7	—1·8	4·4	0	0	20	2	0	1	0	0	0	11	6	11	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (km. p. h.): 62 or more	Wind speed (km. p. h.): 20 to 61	Wind speed (km. p. h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Uttar Pradesh (West)—(Contd.)																											
Bareilly	0830	173	1018·0	997·3	+0·4	11·7	10·4	9.1	11·5	85	+4	1·6	−0·7	3·5	0	0	23	4	1	3	1	1	0	2	11	8	0
	1730	„	1014·8	994·8	..	20·2	15·3	11·2	13·3	57	..	2·3	..	2.1	0	0	23	3	1	0	1	1	1	8	8	8	0
Bereilly (P.B.O.)	0230	172	1016·4	995·8	..	13·0	10 9	9·0	11·5	77	..	1·1	..	3·0	0	0	27	1	0	4	0	0	0	16	6	4	0
	0530	„	1016·1	995·8	..	11·7	10·1	8·3	10·9	80	..	1.4	..	3·1	0	0	25	0	0	5	0	0	0	12	8	6	0
	1130	„	1018·1	998·0	..	17·7	13·4	10·0	12·3	62	..	1·6	..	5.0	0	0	30	1	0	5	3	0	0	7	13	1	1
	1430	„	1015.1	995.2	...	21.8	14.6	9·2	11·6	46	..	2.2	..	5.7	0	0	31	0	0	5	2	1	0	9	14	0	0
	2030	„	1016·6	996.1	..	16.2	12.6	9·8	12.1	66	..	0.6	..	3.0	0	0	26	0	2	2	1	0	1	18	2	5	0
	2330	„	1017·1	996·6	..	14·5	11·7	9·5	11.9	72	..	0·5	..	3·0	0	0	25	0	1	4	0	0	0	17	3	6	0
Aligarh	0830	187	1018·9	996·1	..	11·6	9 9	8·1	10·8	79	+15	2·2	+0·7	3·2	0	0	29	0	1	2	2	0	2	18	4	2	0
	1730	„	1015·2	993·6	..	20·6	14·7	9.4	11·8	50	..	2·7	..	2.1	0	0	30	5	0	2	0	2	0	15	6	1	0
Manipuri	0830	157	1018·3	999·6	+0.3	11·4	9·9	8·3	10·9	82	+9	0·8	−1·4	2·5	0	0	20	0	1	2	0	0	6	10	0	11	1
	1730	„	1015·2	996.3	..	21·0	15·4	10·6	12.8	52	..	0·8	..	1·8	0	0	15	0	0	0	0	0	6	9	0	16	0
Agra	0830	169	1019·0	999·4	+1·3	12·3	9·8	7·4	10·3	72	+8	0·5	−1·7	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	1730	„	1015·4	995·8	..	20·9	15·0	9·5	11·9	52	..	0·9	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
Agra (Aerodrome)	0530	169	1017·5	997·1	..	9·3	8·3	7·3	10.2	91	..	1·5	..	4·1	0	0	19	2	1	2	0	0	2	9	3	12	0
	0830	„	1018·4	998·9	..	11·4	9.9	8·1	10·8	81	..	2 1	..	5·3	0	0	21	2	0	1	0	0	4	10	4	10	0
	1130	„	1018.8	999·3	..	20·8	14.5	9.1	11·5	48	..	1·5	..	11·6	0	3	26	5	1	1	1	1	3	4	13	2	0
	1730	„	1015·6	996·1	..	20 8	14.6	9·2	11·6	48	..	2·2	..	7·0	0	0	25	10	2	0	1	0	0	3	9	6	0
	2330	„	1017·9	998·5	..	12·2	10.5	8·9	11·4	80	..	1·7	..	3·8	0	0	15	1	1	4	1	0	2	1	5	16	0
Orai (R)	0830	141																									
(R)	1730	„																									
Jhansi	0830	251	1018·2	988·5	−0·4	16·1	11.7	7·3	10·2	53	−9	1·5	−0.2	1.2	0	0	7	1	0	3	0	3	0	0	0	24	0
	1730	„	1014.8	986·2	..	22·9	14.9	7·3	10·2	38	..	1·7	..	2.0	0	0	15	2	1	8	1	3	0	0	0	16	0
Punjab (India) (Including Delhi)																											
Pathankot	0 0	312	1017·7	980.4	..	8·9	8.1	7·2	10·2	90	..	3·1	..	2.3	0	0	8	2	4	1	1	0	0	0	0	23	0
	0830	„	1019·2	981·9	+1·1	9·4	8.5	7·6	10·4	87	+3	3·5	−0·4	2·4	0	0	15	3	5	2	2	1	1	1	0	16	0
	1130	„	1019·5	932·9	..	17·0	12·5	8·3	10·9	57	..	3·2	..	5·6	0	0	25	1	3	1	1	10	5	2	2	6	0
	1730	„	1016·1	980·0	..	17·6	13·3	9·4	11·8	59	..	4·0	..	5·9	0	0	26	1	1	0	0	2	4	16	2	5	0
	2330	„	1018·8	981·9	..	10·7	9.8	8·7	11·2	87	..	3·1	..	1·4	0	0	4	1	3	0	0	0	0	0	0	27	0
Bhuntar	0830	1067	..	..	..	3·3	3·1	2·5	7·3	92	..	3·2	..	2·0	0	0	16	11	0	0	1	1	0	0	3	15	0
	1130	„	..	..	..	10·6	6·5	2·3	7·2	53	..	3·3	..	4·3	0	0	28	6	6	5	1	7	1	0	2	3	0
	1730	„	..	..	..	12.9	8·1	2·7	7·4	51	..	3·8	..	6·5	0	0	26	2	0	2	6	3	3	1	8	5	1
Amritsa. (Rajasansi)	0530	234	1017·9	989.5	..	7·0	6·4	5.5	9·0	90	..	1.9	..	2·8	0	1	7	1	0	0	2	0	0	0	5	23	0
	0830	„	1019·4	991·0	+1·0	7·5	6·7	5·8	9·2	89	−2	3·1	−0·1	3·7	0	0	13	1	0	1	0	1	0	3	7	18	0
	1130	„	1019·6	992·1	..	16.9	12·3	7·7	10·5	55	..	3.2	..	7·6	0	3	19	4	0	2	1	0	1	3	11	9	0
	1430	„	1016·9	989·8	..	20·2	13·2	6·1	9·4	42	..	3·7	..	10·1	0	4	23	4	1	1	1	0	0	1	19	4	0
	1730	„	1016·4	989·1	..	17·8	12·9	8·0	10·7	54	..	3·7	..	5·3	0	0	24	1	0	3	0	0	0	6	14	7	0
	2030	„	1018·1	990·2	..	12·0	9·9	7·7	10·5	76	..	2·5	..	2·3	0	0	10	2	1	2	0	0	0	2	3	21	0
Adampur (Aerodrome)	0830	249	1019.4	989·3	..	6·8	6·5	6·2	9·5	96	..	2·8	..	2·3	0	0	11	3	1	0	1	1	0	1	4	20	0
	1730	„	1016·6	987·5	..	16·9	13·4	10·3	12·5	65	..	3·9	..	8·0	0	0	28	0	0	1	1	1	0	6	19	3	0
Ludhiana	0830	247	1019·0	989·4	+0·8	10·0	8·7	7.4	10·2	84	+5	1·8	−0·9	2·5	0	0	26	0	2	1	2	1	0	2	18	5	0
	1730	„	1016.0	987·3	..	18·6	14·8	11·5	13·6	64	..	2·4	..	2·0	0	0	25	1	0	1	3	0	2	4	14	6	0
Ferozepur	0830	200	1019·7	995.6	..	10.5	9·2	7·8	10·6	83	..	1·6	..	1·5	0	0	17	4	5	1	0	1	0	0	6	14	0
	1730	„	1017·0	993·6	..	17·8	14·1	11·1	13·2	62	..	0	..	0·7	0	0	11	5	4	0	0	0	0	0	2	20	0
Halwara (Aerodrome)	0830	242	1019·1	990·2	..	8·5	7.9	7·3	10·2	95	..	2·5	..	4·0	0	0	15	2	0	1	3	0	0	2	7	16	0
	1730	„	1016.4	988·4	..	18·2	13·5	9·3	11·7	59	..	3·2	..	7.3	0	0	28	3	0	0	2	0	1	5	17	3	0
Chandigarth	0830	347	1019.0	976·7	+0·6	12·4	9·6	5.7	9·1	69	−9	1·1	−1·0	1.1	0	0	10	0	0	0	5	0	0	0	5	21	0
	1730	„	1015·4	974·3	..	17·9	12·3	6·8	9·9	49	..	1·7	..	2·2	0	0	29	0	0	0	7	0	0	0	22	2	0
Ambala	0830	272	1017·6	985·1	−0·3	10·2	7·8	4·7	8·5	68	−7	1·9	−0·9	0·9	0	0	11	1	0	0	3	0	0	1	6	20	0
	1730	„	1014.6	983·3	..	18·9	13·4	7·4	10 3	49	..	1·5	..	2·2	0	0	21	0	1	0	9	0	1	4	6	10	0
Ambala (P.B.O.)	0230	278	1017·1	984·1	..	11·8	9·5	7·4	10·3	75	..	1.8	..	6·6	0	1	21	1	1	1	3	0	0	0	16	9	0
	0530	„	1011·5	983·4	..	10·5	8·5	6·7	9·7	78	..	1·4	..	5·8	0	2	19	1	1	1	2	0	0	2	14	10	0
	1130	„	1018·5	986·[illegible]	..	17·4	12·7	9·0	11·4	59	..	2.6	..	8·0	0	2	21	1	0	0	4	0	0	5	13	8	0
	1430	„	1015·[illegible]	983·5	..	20·3	13·4	7·9	10·6	47	..	3·2	..	11.6	0	4	24	0	1	0	3	0	0	4	16	3	4
	2030	„	1016·7	984·[illegible]	..	15·5	11·8	8·8	11·3	65	..	1·7	..	7.9	0	1	24	2	1	0	2	0	1	1	18	6	0
	2330	„	1017·5	984·6	..	13·4	10·5	8·1	10·7	71	..	1.4	..	7.8	0	2	20	1	1	1	1	0	0	0	18	9	0
Ambala (Aerodrome)	0530	27	1017·0	984·0	..	7·7	7.2	6·6	9·7	93	..	1·0	..	6.2	0	0	16	1	0	0	2	0	0	2	11	15	0
	0830	„	1018.4	985·5	..	8·4	7.9	7·0	10·6	89	..	2·1	..	7·8	0	1	21	1	0	1	2	1	3	1	13	9	0

(R) Register not received.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km.p.h.): 62 or more	Wind speed (km.p.h.): 20 to 61	Wind speed (km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Punjab (India) (Including Delhi)—(*Contd*)																											
Ambala (Aerodrome)	1130	274	1018.5	986.5	..	17·7	13.0	8.2	10·8	55	..	2.4	..	12.7	0	7	20	0	2	0	4	0	0	4	16	4	1
	1730	,,	1015.3	983.3	..	18.3	13.1	7.9	10.7	53	..	3.2	..	13.0	0	3	23	1	0	0	3	1	0	5	16	5	0
	2330	,,	1017.8	985.1	..	10.7	9.5	8.2	10.8	84	..	1.3	..	7.0	0	2	14	0	1	0	1	0	0	1	13	15	0
Patiala	0830	251	1018·9	989.1	..	10.9	9·6	8·1	10·8	83	..	(b) 3·0	..	6·6	0	0	23	0	0	0	4	0	0	0	19	8	0
	1730	,,	1016·4	987·1	..	18.5	14·0	9·8	12·1	59	..	2·9	..	8·1	0	0	24	1	0	0	3	0	0	0	20	7	0
Bhatinda	0830	211	1019.1	993.9	..	13·0	10·9	9·3	11·7	80	..	1·2	..	1·0	0	0	5	0	0	0	2	0	0	0	3	26	0
	1730	,,	1017·6	991·0	..	19·8	16·6	14·3	16·3	71	..	0.6	..	0·8	0	0	6	0	0	0	2	1	0	0	3	25	0
Karnal	0830	249	1018·3	988.6	..	11·4	9·5	7·4	10·3	77	..	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1014.8	986.6	..	20 3	14·0	8·0	10·7	47	..	0	..	.	..	..	..	..	..	..	..	..	..	..	..	..	
Hissar	0530	221	1016·6	991.3	..	9·0	8·4	7·7	10.6	92	..	1·6	..	0·8	0	0	5	1	0	0	1	0	2	1	0	26	0
	0830	,,	1019·7	992·9	+0·7	9.1	8·4	7·6	10.4	90	+21	2·0	—0·2	2·9	0	0	21	2	0	1	1	2	8	4	3	10	0
	1130	,,	1019·4	993.6	..	18.0	14·5	11·5	13.6	66	..	2·5	..	4·4	0	0	24	5	0	1	3	1	4	6	4	7	0
	1730	,,	1016.0	990.5	..	21.7	17·1	13·7	15 7	61	..	2·3	..	5·0	0	0	27	6	1	1	2	1	2	7	7	4	0
	2330	,,	1018·5	992.3	..	12.9	11·0	9·8	12·1	82	..	1·4	..	2.1	0	0	16	1	0	0	4	0	2	5	4	15	0
New Delhi (Safdarjung)	0230	216	1017 4	991·6	..	11.9	10·1	8·3	10.9	79	..	1.5	..	5.9	0	0	24	0	0	2	0	0	2	12	8	7	0
	0530	,,	1017.2	991·3	..	10.9	9·4	7·8	10·6	82	..	1.7	.	6.6	0	0	30	0	1	2	1	0	2	19	5	1	0
	0830	,,	1018·8	992·9	+0·6	11·3	9·6	7.9	10.7	80	+4	2·3	—1·0	8·1	0	0	31	0	0	3	2	0	3	18	5	0	0
	1130	,,	1018·8	993·6	..	19.0	13 5	8.3	10.9	51	..	2·0	..	12.6	0	4	26	0	0	1	2	2	2	12	11	1	0
	1430	,,	1016·0	991·0	..	21.9	14·4	7.4	10.3	49	..	2·4	..	16 6	0	9	21	0	0	2	1	0	2	7	18	1	0
	1730	,,	1015.5	990·6	..	20.5	14·1	8·0	10·7	46	..	2·5	..	9·9	0	0	30	0	1	2	1	0	2	6	18	1	0
	2030	,,	1017·4	991·8	..	15·2	12·3	9·6	11.9	69	..	1·5	..	5·9	0	1	25	1	0	1	2	0	1	15	6	5	0
	2330	,,	1018·0	992·3	..	13·4	11·2	9·0	11·5	75	..	1·5	..	5·3	0	0	18	0	0	1	0	0	1	8	8	13	0
Palam (Aerodrome)	0930	,,	1017·5	984·7	..	10·8	9·3	7 6	10.4	81	..	1·5	.	4·0	0	0	21	3	2	1	1	1	3	7	3	10	0
	0530	,,	1017 4	989 8	..	9·6	8·9	7·6	11·4	86	..	0·8	..	5·1	0	0	24	2	1	0	3	0	6	9	3	7	0
	0830	,,	1018 9	991·1	..	9·5	8·9	7·9	10·7	84	..	1·5	..	5·1	0	0	26	1	0	0	3	0	9	12	1	5	0
	1130	,,	1019·6	992·8	..	18·3	14·0	9·7	12.0	60	..	2·1	..	10·6	0	0	30	6	1	1	2	3	2	4	11	1	1
	1430	,,																									
	1730	,,	1015·8	988·9	..	20·2	14·4	9·2	11·6	49	..	2·8	..	8·9	0	0	31	11	1	2	2	0	2	2	11	0	0
	2030	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2330	,,	10 7·9	990·4	..	12·7	10·6	8·3	10·9	75	..	1·4	..	3·9	0	0	24	5	1	1	2	2	2	7	4	7	0
Himachal Pradesh																											
Mandi	0830	761	1022 4	932·4	+1·5	4·8	4·2	3·5	7·9	91	—4	(h) 1.5	—3·4	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	1730	,,	1015·4	930 1	..	16·8	10 9	5·0	8·7	48		2 8	..	0·1	0	0	2	0	0	0	0	0	1	0	1	29	0
Bilaspur	0830	587	1021·8	953·1	..	10·8	9·2	7·6	10·4	80	..	6 8	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	1730	,,	1014 5	948·4	..	19·6	14·6	10·7	12·9	60	..	0	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
Jammu and Kashmir																											
Misgar (R)	0830																										
(R)	1730																										
Gilgit (R)	0830																										
(R)	1730																										
Skardu (R)	0830																										
(R)	1730																										
Leh	0530	3514	..	..	..	—11·6	—13.2	—20·2	1·0	48	..	(a) 4·2	..	(a) 4·0	0	0	22	10	9	0	0	2	1	0	0	8	0
	0830	,,	..	..	+3·2	—7.8	—10·0	—16·8	1·4	46	—13	4·2	—1·2	2·0	0	0	15	0	5	0	0	10	0	0	0	16	0
	1730	,,	..	..	..	—2·6	(k) —2·9	(k) —8 2	(k) 3·0	(k) 55	..	3·8	..	2·5	0	0	29	8	0	0	1	12	8	0	0	1	0
Srinagar	0830	1587	1569·3	848·5	+3 2	—2·2	—2·9	—4.1	4·4	86	0	7·8	+1 2	1·8	0	0	14	0	0	2	4	3	4	0	1	17	0
	1130	,,	1576·1	849·1	..	—0·4	—1·5	—3·2	4·7	81	..	7·6	..	2·5	0	0	23	3	0	1	4	8	0	5	2	8	0
	1430	,,	1558·2	847·2	..	1·0	—0·5	—2·7	4·9	76	..	7·3	..	3·5	0	0	24	1	0	2	8	1	3	4	5	7	0
	1730	,,	1555·5	846·7	..	0·2	—1·2	—3·4	4·8	77	..	7·2	..	3·1	0	0	25	7	0	0	6	4	2	1	5	6	0
	*2030	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Srinagar (Aerodrome)	0530	1666	1565·5	839.9	..	—2·9	—3·3	—4·2	4·3	90	..	6·8	..	0·6	0	0	3	0	0	0	0	1	0	0	2	28	0
	0830	,,	1564.5	839·6	..	—2·8	—3·4	—4·4	4·2	89	..	(f) 7·4	..	1·9	0	0	10	0	2	3	1	2	0	1	1	21	0
	1130	,,	1572·4	840·6	..	—0·7	—1·5	—2·8	4.8	85	..	6·7	..	0·1	0	0	11	0	0	3	4	1	0	3	0	20	0
	1730	,,	1552·2	838·5	..	—0 4	—1 3	—2·5	5·0	86	..	6·7	..	1·0	0	0	5	0	0	3	2	0	0	0	0	26	0
	2330	,,	1563·1	839·5	..	—1·9	—2·6	—3·8	4·5	87	..	6·2	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
Gulmarg	0830	2655	..	..	..	..	..	..	..	..	closed during winter months							..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	..	..	..	..	..	closed during winter months							..	..	..	..	..	..	..	..	..	..
Kuazigund	0830	1690	..	..	..	—3.2	..	..	..	..	..	7.6	..	1.2	0	0	11	0	0	0	8	0	3	0	0	20	0
	1730	.	..	..	..	—0·5	..	..	..	..	..	6·9	..	1·0	0	0	14	1	0	2	5	0	1	5	0	17	0
Banihal	0830			..	..	2·3	0·7	—1·9	5·3	77	..	4.2	..	3·4	0	0	10	1	0	0	1	0	0	0	8	21	0
	1730	..	.	..	..	7·2	3·7	—1·9	5·3	54	..	5·2	..	3·8	0	0	9	0	0	1	1	0	0	0	7	22	0

(R) Register not received. (a) Mean of 30 days. (b) Mean of 29 days. (f) Mean of 25 days. (h) Mean of 23 days.
*Data not available. (k) Mean of 20 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km.p.h.): 62 or more	Wind speed (km.p.h.): 20 to 61	Wind speed (km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	SW	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Jammu and Kashmir—(Contd.)																											
Jammu	0830	366	..	..	..	10·7	8·6	6·1	9·4	74	+6	3·3	+0·1	8·6	0	0	28	3	11	0	0	0	0	0	1	3	13
	1730	,,	..	..	..	17·0	12·8	8·7	11·2	59	..	1·5	..	1·3	0	0	7	1	0	0	0	1	0	0	0	24	5
Jammu (Aerodrome)	0530	292	1017·9	982·1	..	9·9	8·6	7·2	10.1	83	..	2·7	..	4·5	0	0	16	1	12	2	0	1	0	0	0	15	0
	0830	,,	1019·7	984·0	..	10·1	8·5	6·6	9·7	80	..	4·3	..	5·3	0	0	21	2	15	3	0	0	1	0	0	10	0
	1130	,,	1019·7	985·4	..	16·0	11·9	8.0	10·7	59	..	4·0	..	4·5	0	0	19	2	6	1	4	1	0	1	4	12	0
	1730	,,	1016.5	982·3	..	17·6	12·8	8·2	10·9	55	.	4·3	..	4·3	0	0	19	1	1	1	0	0	4	11	1	12	0
	2330	,,	1018·6	983·9	..	11·7	9·9	7·9	10·7	79	..	3·3	..	3 3	0	0	14	0	14	0	0	0	0	0	0	17	0
Rajasthan, West Ganganagar	0530	177	1017·8	996·4	..	9·4	8·3	7·0	10·0	85	..	1·4	..	1·0	0	0	4	0	2	0	1	0	0	0	1	27	0
	0830	,,	1019·1	997·7	+0·7	9·0	7·9	6 8	9·9	86	+3	1·6	−0·5	1·2	0	0	9	2	2	3	0	1	0	1	0	22	0
	1130	,,	1019·6	998·8	..	18·8	13·2	7·9	10·7	50	..	3·3	.	4·5	0	0	27	4	5	3	2	5	1	3	4	4	0
	1730	,,	1015·9	995·4	..	21·6	14·4	7·7	10·5	41	..	2·0	..	1.6	0	0	12	3	4	0	1	0	0	0	4	19	0
	2330	,,	1018·7	997·5	..	12·5	10·2	7·8	10·6	72	..	1·4	..	2·1	0	0	11	1	2	4	3	0	0	0	1	20	0
Anupgarh (R)	0830	154																									
(R)	1730	..																									
Mahajan	0830	187	(a) 1017·3	(a) 994·8	..	11·7	9·9	7·2	10·1	75	..	0·4	..	(a) 3·8	0	0	30	8	5	4	3	6	2	0	2	0	0
	1730	,,	1014·6	992·5	..	22·2	15·7	10·3	12·5	48	..	0	..	(a) 4·0	0	0	30	9	4	1	3	2	4	2	5	0	0
Churu	0830	291	1019·7	984·8	..	9·6	7·0	3·5	7·9	68	..	1·6	..	2·1	0	0	20	1	0	7	3	8	1	0	0	11	0
	1730	,,	1015·6	982·3	..	22·4	13·3	3 4	7·8	31	..	2·2	..	6·3	0	0	29	20	0	1	0	1	2	1	4	2	0
Bikaner	0830	224	1018·9	992·0	+0·4	10·2	7·7	4·5	8·4	70	+5	1·6	−0 6	1·4	0	0	18	2	6	3	3	1	2	0	1	13	0
	1730	,,	1015·0	989·4	..	24·0	14·1	4·0	8·1	28	..	1·0	..	4·0	0	0	27	9	9	1	3	0	3	1	1	4	0
Bikaner (P.B.O.)	0530	224	1017·3	990·4	..	10·0	7·8	5·3	8·9	73	..	1·0	..	1·3	0	0	7	1	3	0	2	1	0	0	0	24	1
	1130	,,	1019·0	993·0	..	20·6	13·8	7·3	10·2	45	..	2·7	..	5.1	0	0	24	0	8	2	8	4	2	0	0	7	0
	2330	,,	1018·0	991·6	..	14·5	10·4	5·9	9·3	58	..	1·5	..	4·0	0	0	12	0	9	1	0	1	0	1	0	19	0
Nagaur	0830	298	1019.2	984.5	..	17·5	13·1	8.9	11·4	57	..	1·7	..	6·5	0	0	30	2	6	9	4	5	4	0	0	1	0
	1730	,,	1014.5	980.3	..	23·4	16·9	11·8	13·8	50	..	2·4	..	4·6	0	0	31	6	10	3	2	3	2	2	3	0	0
Phalodi	0830	234	1018·2	990·4	..	12·3	8·9	4·8	8·6	61	..	2·9	..	6·7	0	0	25	6	4	0	4	7	1	1	2	6	0
	1730	,,	1015·5	988·8	..	25·1	15·3	6·4	9·6	31	..	2·4	..	8·2	0	1	29	4	6	2	3	1	5	6	3	1	0
Jaisalmer	0830	242	1018·0	969·0	..	13·1	8·5	2·7	7·4	49	..	3·1	..	9.6	0	0	21	7	5	3	2	3	2	1	0	8	0
	1730	,,	1014·3	986·6	..	25·0	18·7	14·3	16·3	53	..	3·4	..	16·3	0	8	22	11	5	3	1	2	1	4	3	1	0
Jodhpur	0230	224	1016·5	990·2	..	15·8	11·3	6·3	9.5	56	..	1·9	..	7 5	0	0	31	6	20	1	0	0	1	3	0	0	0
	0530	,,	1016·4	989·9	..	14·3	10·5	6·3	9·7	61	..	1·9	.	9 0	0	1	26	8	16	1	0	0	2	0	0	4	0
	0830	,,	1018·1	991·5	+1·6	14·4	10·6	6·4	9·6	60	+13	2·8	+0·4	8·3	0	0	27	5	19	2	0	0	0	1	0	4	0
	1130	,,	1018·5	992·5	..	21·6	14·4	7·5	10 6	42	..	2·5	..	10·5	0	3	24	1	5	15	3	1	2	0	0	4	0
	1430	,,	1014·9	989·5	..	25·9	16·2	7·3	10·6	33	..	2·7	..	10 5	0	0	30	3	9	5	4	2	2	2	3	1	0
	1730	,,	1014·3	988·8	..	25·6	16·2	7·9	10·7	35	..	3·0	..	7·5	0	0	26	1	11	3	1	3	2	3	2	5	0
	2030	,,	1016·3	990·4	..	20·3	14·0	7·9	10·9	47	..	2·6	..	6·9	0	0	27	7	10	2	0	1	3	2	2	4	0
	2330	,,	1017·0	990·8	..	17·7	12·5	7·3	10·2	53	..	2·0	..	8·9	0	2	25	6	16	1	0	0	1	3	0	4	0
Barmer	0530	194	1015·3	992·4	..	15·4	11·2	6·6	9 7	57	..	1·4	..	4·3	0	1	23	3	1	0	1	0	0	2	17	7	0
	0830	,,	1016 9	994·0	+0·4	15·2	17·4	7·4	10·3	61	+10	2·5	+0.4	2·9	0	0	18	2	0	0	0	0	1	1	14	13	0
	1130	,,	1017·4	995·0	..	22·6	15·7	9·7	12·0	46	..	2·9	..	3·5	0	0	27	4	6	3	1	1	2	1	9	4	0
	1730	,,	1013·6	991·5	..	26·5	18·0	11·5	13 6	41	..	3·4	..	3·7	0	0	26	3	5	2	2	3	2	2	7	5	0
	2330	,,	1016·1	993·5	.	19·2	13·7	8·5	11·1	51	..	1·9	..	4·5	0	0	24	1	1	0	0	0	1	2	19	7	0
Erinpura (Jawai Dam)*	0830	295	1018·0	983·5	..	15·1	13·4	12·0	14·0	83	..	2·0	..	2·2	0	0	15	0	1	0	1	13	0	0	0	16	0
	1730	,,	1014·2	980·7	..	23·9	20·1	17·8	20·4	69	..	2·3	..	0·8	0	0	7	3	1	0	0	1	0	2	0	24	0
Munabao*	0830	80	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rajasthan (East) Pilani	0830	301	1019·9	984·4	..	10·4	7·8	4·3	8·4	68	..	1·1	..	4·5	0	0	24	0	0	1	5	8	8	1	1	7	0
	1730	,,	1016·0	981·5	..	21·0	12·9	4·4	8·4	35	..	0·5	..	7·3	0	1	29	10	6	1	1	0	1	2	9	1	0
Sikar	0830	433	1019·4	968·8	..	13·6	10·4	7·0	10·0	66	..	1·2	..	0·6	0	0	7	0	0	1	4	0	0	0	2	24	0
	1730	,,	1014·8	965·7	..	22·7	14·7	7·2	10·2	39	..	1·7	..	1·1	0	0	16	0	3	0	1	0	0	7	5	15	0
Alwar	0830	271	1018·0	985·9	..	12·1	10·2	8·3	11·0	79	..	2·4	..	0·6	0	0	6	0	3	1	1	0	0	0	1	25	0
	1730	,,	1015·1	983·9	..	21·8	15·3	9·6	11·9	47	..	2·7	..	1·8	0	0	19	9	4	1	0	0	2	1	2	12	0
Jajpur (Sanganer)	0230	390	1017·2	971·3	..	12·8	9·4	5·6	9·1	62	..	1·6	..	5·6	0	0	19	5	5	6	0	0	0	0	3	12	0
	0530	,,	1017·1	971·0	..	11·4	8 7	5·5	9·0	68	..	1·6	..	4·4	0	0	18	4	4	7	0	0	0	0	3	13	0
	0830	,,	1018·8	972·9	+0·4	12·9	9·5	5·8	9·2	63	+7	2·0	−0·2	2·8	0	0	12	1	2	7	0	0	1	0	3	19	0
	1130	,,	1018·2	973 6	..	21·4	13·4	5 1	8·8	37	..	2·1	..	9·5	0	3	24	3	1	9	4	2	3	2	1	4	0
	1430	,,	1014·8	970·8	..	23·9	14·5	5·1	8.8	31	..	2·8	..	9 6	0	1	25	1	0	6	2	1	4	5	7	5	0
	1730	,,	1014·4	970·1	..	22·5	14·1	5·7	9 1	35	..	2·8	..	5·3	0	0	19	2	0	3	3	1	2	1	7	12	0
	2030	,,	1016.9	971·7	..	16·7	11·6	6·4	9·6	53	..	1·7	..	5·8	0	1	20	3	5	8	0	0	1	1	3	10	0

(a) Mean of 30 days. *Data available for less than 15 days hence no Means. (R) Register not received.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km.p.h.): 62 or more	Wind speed (km.p.h.): 20 to 61	Wind speed (km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Rajasthan (East)-*Contd.*																											
Jaipur (Sanganer) —*Contd.*	2330	390	1017·7	972·2	..	14·7	10·4	5·7	9·1	54	..	1·6	..	7·0	0	1	23	5	6	10	0	0	0	1	2	7	0
Dholpur . .	0830	176	1018·8	997·7	..	12·3	10·0	7·4	10·3	73	..	1·9	..	1·6	0	0	14	0	0	0	0	1	0	3	10	17	0
	1730	,,	1014·8	994·6	..	21·7	14·6	8·0	10·7	42	..	1·8	..	1·3	0	0	17	6	5	0	0	0	0	0	6	14	0
Ajmer . . .	0830	486	1019·6	962·7	+0·8	11·8	9·2	6.6	9·7	71	+15	2·1	+0·2	1·9	0	0	15	1	4	2	1	0	2	2	3	16	0
	*1730	,,	1014·5	959·8	..	22·7	14·2	6·8	9·9	38	..	3·3	..	3·3	0	0	18	3	4	3	1	2	2	2	1	12	0
Tonk . . .	0830	272	1018·6	986·1	..	12·1	10·5	8·7	11·2	80	..	2·0	..	5·4	0	0	30	1	2	1	8	0	2	3	13	1	0
	1730	,,	1013·7	982·6	..	23·2	17·6	13·4	15.4	54	..	2·3	..	3·2	0	0	31	3	4	4	3	2	1	6	10	0	0
Bhilwara . .	0830	425	1019·3	969·6	..	13·5	10·1	6·2	10·9	63	..	3·3	..	3·1	0	0	26	7	8	1	3	0	5	2	2	5	0
	1730	"	1014·3	966·5	..	23·6	15·4	7·7	20·9	38	..	3·9	..	5·7	0	0	24	4	10	2	3	1	2	1	1	7	0
Kota . . .	0830	257	1018·5	987·9	−0·1	14·6	11·5	8·4	11·1	67	+10	2·1	+0.3	2·3	0	0	15	1	2	3	3	1	1	2	2	16	0
	1730	,,	1014·7	985·1	..	23·2	15·8	9·8	11·9	43	..	3·0	..	2·4	0	0	12	1	8	0	2	1	0	0	0	19	0
Kota (Aerodrome) .	0530	274	1016·9	984·5	..	13·3	9·9	6·0	9.3	62	..	1·7	..	6·0	0	0	29	0	2	6	0	1	8	12	0	2	0
	0830	"	1019·1	986·8	..	14·5	10·6	6·4	9·6	59	..	2·4	..	3·4	0	0	18	1	1	3	2	1	4	5	1	13	0
	1130	"	1019·1	987·4	..	21·1	13·8	6·5	9·7	41	..	2·1	..	8·8	0	0	31	0	3	21	0	3	0	0	4	0	0
	1730	,,	1014·8	983·5	..	24·2	15·0	6·4	9·6	34	..	3·6	..	9·0	0	0	30	4	14	10	0	0	1	0	1	1	0
	2330	,,	1017·5	985·5	..	17·3	11·9	6·1	9·4	50	..	2·4	..	7·7	0	0	30	1	3	7	3	0	11	3	2	1	0
Chambal (Rawat Bhatta Dam)	0830	351	1019·0	977·8	..	13·9	10·7	7·3	10·2	66	..	1·3	..	1·3	0	0	8	2	2	0	0	0	1	0	3	23	0
	1730	"	1014·3	974·6	..	24·3	15·1	6·3	9·5	32	..	2·3	..	6·2	0	0	29	1	20	3	1	1	1	0	0	2	0
Udaipur . . .	0230	582	1017·6	950·4	..	12·5	10·5	8·7	11·2	78	..	1·2	..	0	0	0	1	0	0	0	0	1	0	0	0	30	0
	0530	"	1017·9	950·1	..	11·4	9·8	8·5	11·1	85	..	1·1	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	0830	"	1019·4	951·8	+1·4	13·0	10·7	8·6	11·2	76	+22	1·7	+0·3	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	1130	,,	1018·1	952·6	..	22·0	14·1	7·2	10·1	40	..	2·0	..	2·3	0	0	18	0	3	8	3	0	2	1	1	13	0
	1730	,,	1014·2	949·0	..	23·2	14·9	8·4	11·0	40	..	3·1	..	0·6	0	0	4	0	2	1	1	0	0	1	1	25	0
	2330	,,	1018·2	951·1	..	14·2	11·7	9·5	11·9	74	..	1.2	..	1.0	0	0	4	0	2	0	0	1	0	0	1	27	0
Jhalawar . .	0830	321	1018·6	980·7	+0·5	13·1	10·3	7·4	10·3	69	+.1	1·9	+0 2	2·9	0	0	10	6	2	0	1	0	0	1	6	15	0
	1730	,,	1013·6	977 4	..	24·6	15·3	6·7	9·8	33	..	2·4	..	6·1	0	1	28	12	10	2	1	0	1	1	2	2	0
Banswara . .	0830	220	1017·3	991·6	..	17·0	12·0	7·2	10·2	54	..	0·4	..	6·8	0	1	30	2	1	6	12	8	0	0	2	0	0
	1730	,,	1013·8	989·1	..	27·2	17·2	9·0	11·5	30	..	0·4	..	5·0	0	0	29	4	4	1	1	1	1	3	14	2	0
Madhya Pradesh (West)—																											
Gwalior . .	0230	207	1017·6	992·6	..	10·3	8·4	6·4	9·5	78	..	2·5	..	·9	0	0	7	1	0	0	2	1	2	1	0	24	0
	0530	,,	1017·3	992·5	..	9·2	7·6	5·6	9·1	79	..	2·3	..	1·8	0	0	13	0	1	0	4	2	2	2	2	18	0
	0830	"	1019·2	994·5	+1·0	13·0	10·0	6.8	9·9	67	−5	2.6	+0·1	2·2	0	0	16	1	1	0	2	3	4	2	3	15	0
	1130	,,	1018·8	994·6	..	21·1	13·7	6·1	9·7	37	..	2·6	..	6·2	0	0	31	7	6	2	2	0	2	1	11	0	0
	1430	"	1015 6	992·3	..	24·0	14·4	4·4	8·7	30	..	2·5	..	8·7	0	0	31	11	6	2	1	1	0	1	9	0	0
	1730	,,	1015·3	991·6	..	22·1	14·4	7·1	10·1	39	..	2·6	..	4·1	0	0	27	12	7	2	0	1	0	0	5	4	0
	2030	,,	1017·6	993·1	..	14·6	11·2	7·6	10·6	63	..	2·1	..	1·3	0	0	8	1	0	0	1	1	1	1	3	23	0
	2330	,,	1018·1	993·4	..	11.9	9·6	7.1	10·0	73	..	2·1	..	1.2	0	0	11	1	0	0	2	1	3	3	1	20	0
Sheopur . .	0830	235	1019·0	991·0	+1·1	11·8	9·5	7·1	10·0	73	0	2·2	−0·2	2·6	0	0	19	4	4	1	3	5	0	0	2	12	0
	1730	"	1014·7	947·9	..	24·1	5·6	7·8	10·6	36	..	3·1	..	6·1	0	0	27	15	1	1	0	4	1	4	1	4	0
Shivpuri . .	0830	464	1019.0	964·9	..	13·9	10.1	6·4	9·6	62	..	2·1	..	2·9	0	0	21	2	7	5	0	1	2	2	2	10	0
	1730	"	1 14.4	961·9	..	21·9	13·3	5·4	9·0	35	..	2·2	..	4·6	0	0	26	5	13	3	0	0	0	0	5	5	0
Nowgong . .	0830	229	1019·3	992.0	+0·9	11·9	10·1	8·3	10·9	82	+6	2·8	+0.6	2·0	0	0	15	1	0	0	0	4	9	0	1	16	0
	1730	"	1014·9	988·7	..	23·4	15·1	7·3	10·4	36	..	1·6	..	2·2	0	0	25	5	8	0	0	0	1	1	10	6	0
Guna . . .	0530	478	1017·7	961·5	..	11·2	9·2	7·4	10·0	78	..	2·8	..	5·2	0	0	26	2	4	5	11	3	0	1	0	5	0
	0830	"	1019·1	963·5	+0 9	14·8	11·4	8·4	11 0	67	+5	2·8	+1·4	4.3	0	0	27	1	8	6	9	2	0	0	1	4	0
	1130	"	1017·8	963·7	..	22·7	16·0	11·1	12·2	49	..	2·1	..	10·1	0	3	28	2	6	11	8	0	0	1	1	0	2
	1730	,,	1014·0	960·4	..	23·6	16·3	11·1	13·2	46	..	3·0	..	8·2	0	0	31	6	9	3	1	0	0	2	10	0	0
	2330	"	1018·2	962·6	..	14.5	11·3	8·4	11·2	68	..	2·4	..	5·5	0	0	26	1	7	8	4	1	0	1	4	5	0
Nimach . .	0830	496	1019·4	961·8	+1·3	14.4	9·7	4·6	8·6	53	−2	2·1	+0·6	6·1	0	0	30	1	18	6	2	2	0	1	0	1	0
	1730	"	1014·4	959·0	..	24·6	14·2	4.8	8 7	29	..	3·5	..	6·1	0	0	31	0	14	7	1	0	1	1	2	0	5
Rajgarh . . .	0830	382	1018·8	973·8	..	12·9	10·5	7·9	10·7	72	..	2·4	..	2·8	0	0	20	3	5	2	6	2	0	0	2	11	0
	1730	,,	1014·0	971·1	..	25·5	16·7	9.4	11·9	38	..	1·3	..	5·4	0	0	29	16	7	1	0	1	0	2	2	2	0
Sagar . . .	0830	551	1018·7	955·3	+1·3	16·0	11·3	6·9	9.9	56	+6	1·8	0	3·1	0	0	22	0	4	3	1	0	0	7	7	9	0
	1730	"	1014·0	952·4	..	23·2	14·0	5·8	9·3	33	..	1·7	..	2·2	0	0	27	0	9	3	1	0	0	2	12	4	0
Ratlam . . .	0830	486	1018·2	961·9	+1·2	15·5	11·4	7·5	10 5	60	−3	2·7	+0·5	11.1	0	0	24	2	17	9	1	0	0	0	0	2	0
	1730	"	1013·2	959·0	..	25·4	16·7	10·4	12·7	41	..	3·9	..	8·5	0	5	30	5	15	7	2	0	0	0	2	0	0
Bhopal (Bairagarh) .	0230	523	2016·5	956.1	..	15·7	10·6	6·3	9·6	57	..	2·0	..	4.5	0	0	23	9	8	3	2	1	0	0	0	8	0
	0530	,,	1016·7	956·7	..	13·6	9·8	5·9	9·3	61	..	2 7	..	5·2	0	0	26	8	10	4	3	0	0	0	1	5	0

* Observations for 30 days.

(b) Mean of 29 days

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (km.p.h.): 62 or more	Wind speed (km.p.h.): 20 to 61	Wind speed (km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh West)(—*Contd.*) Bhopal (Bairagarh)—(*Contd.*)	0830	523	1018·3	958.2	+0·6	16·6	11·4	6·4	9·7	52	+1	3·7	+1·9	5.5	0	0	25	1	13	8	3	0	0	0	0	6	0
	1130	,,	1017·1	958·2	..	22·8	14·1	6·5	9·7	36	..	2·4	..	8·5	0	1	28	3	7	8	9	0	1	1	0	2	0
	1430	,,	1013·3	955.1	..	25·7	15·2	6·3	9·7	30	..	3.1	..	6·3	0	0	27	3	7	4	3	1	5	1	3	4	0
	1730	,,	1013·3	954·9	..	24.3	14·7	6.5	9·7	33	..	3·6	..	6.1	0	0	30	6	14	2	2	2	1	0	3	1	0
	2030	,,	1016·2	956·1	..	19.7	12·8	6·6	9·7	43	..	3·1	..	5·4	0	0	26	8	15	2	1	0	0	0	0	5	0
	2330	,,	1016·9	957·0	..	17·4	11·8	6·6	9·8	47	..	2·3	..	6·4	0	0	22	7	11	2	0	1	0	0	1	9	0
Ujjain	0830	489	1018·5	961·5	..	13·9	10.8	7.9	10·7	68	..	2·9	..	5.7	0	1	22	0	6	11	3	0	0	0	0	8	3
	1730	,,	1013·3	958·6	..	24·9	16·2	9·8	12 1	40	..	(a) 4·3	..	(a) 7·5	0	1	26	1	10	4	0	1	0	2	6	3	3
Narsinghpur	0830	356	1019·0	977.1	..	13·5	10·8	8·1	10·8	70	..	2·1	..	1.9	0	0	29	2	17	1	5	0	1	0	3	2	0
	1730	,,	1013·8	973·6	..	24.3	16·4	9·6	12·3	41	..	1·6	.	1.8	0	0	28	2	18	0	3	0	1	0	4	3	0
Hoshangabad	0830	302	1018·3	982·9	+0·4	15·8	13·7	11·9	14·0	79	+23	2.5	+0·8	4.3	0	0	31	4	12	3	5	4	1	2	0	0	0
	1730	,,	1013·3	979·3	..	25·9	20·5	17·1	19·7	58	..	2·3	..	3·7	0	0	31	0	13	3	8	1	5	1	0	0	0
Indore	0530	567	1016·3	950·6	..	12·9	10·1	7·4	10.4	70	..	2·1	..	4·3	0	0	22	0	12	7	0	2	0	0	1	9	0
	0830	"	1018·0	952·7	+0.6	14·9	11·2	7·8	10·7	64	+4	2·2	+0·5	3·6	0	0	19	1	8	6	2	2	0	0	0	12	0
	1130	,,	1016·5	953.0	..	23.6	15·3	8.9	11·4	41	..	2.3	.	11·6	0	2	27	1	7	11	4	4	1	0	0	2	1
	1730	"	1012·4	949.6	..	25.1	15·9	8·8	11·4	37	..	2·6	..	8·5	0	0	29	5	16	2	0	2	1	1	2	2	0
	2330	,,	1016·8	951·8	..	16.1	12·0	8.3	11.0	61	..	2·3	..	7·4	0	1	21	3	14	3	0	1	1	0	0	9	0
Rajpur (Jhabua)	0930	293	1017·7	983.4	..	15.5	12·3	9 2	11·7	67	..	1 9	..	1.2	0	0	7	0	0	7	0	0	0	0	0	24	0
	1730	,,	1012·3	979·7	..	27·7	17·2	8·2	11.1	31	..	2·6	..	2 1	0	0	15	2	2	4	0	0	0	5	2	16	0
Chhindwara	0830	685	1018·6	940·0	+0·9	14·3	11·3	8·6	11·2	69	+2	2·0	+0·2	1.2	0	0	11	4	6	0	0	0	0	0	1	20	0
	1730	"	1012.5	936·8	..	23·6	15·3	8·5	11·3	41	..	2·6	..	4.7	0	0	27	6	1	9	2	7	0	1	1	4	0
Seoni	0830	619	1017.9	947·1	+0·7	16 0	12·3	9.0	11·6	64	+3	2.2	+0·6	2·7	0	0	21	7	9	3	1	0	0	1	0	10	0
	1730	,,	1013·0	944 2	..	23.8	15·7	9.2	12·0	43	..	2·1	..	6·3	0	0	30	6	7	7	4	6	0	0	0	1	0
Betul	0830	653	1018·0	943·4	+0·9	16·2	12·4	8·9	11·6	64	−1	2·5	+0·4	2·8	0	0	23	0	7	6	7	1	0	1	1	8	0
	1730	,,	1012·4	940.2	.	24·4	15·5	8·0	11·1	38	..	2·3	..	4·3	0	0	31	6	11	2	4	0	0	0	8	0	0
Khandwa	0830	318	1017·8	980.7	+0·8	16.1	11·9	7·7	10 5	58	+2	2·5	+1.1	1·3	0	0	17	0	11	2	2	1	0	0	1	14	0
	1730	,,	1012 4	976.9	..	28·0	17·3	7·9	11 9	30	..	2·2	..	3·7	0	0	31	0	20	1	7	0	1	1	1	0	0
Madhya Pradesh (East) Satna	0530	317	1017·7	979·9	..	10·3	8·7	6·5	10·0	79	..	1·9	..	1·1	0	0	17	3	1	4	1	5	1	1	1	14	0
	0830	,,	1019·0	981·6	+0·9	13·5	10·4	7·0	10·1	65	−3	1·5	−0·5	0·6	0	0	10	1	0	0	0	1	3	5	0	21	0
	1130	,,	1018·3	981·9	..	21·5	14·1	7·3	10·4	43	..	1·5	..	2·2	0	0	21	5	3	3	5	0	2	2	1	10	0
	1730	,,	1015·0	978·7	..	21·6	14·7	8·4	11.1	43	..	1 8	..	1·2	0	0	17	14	0	0	0	1	0	2	0	14	0
	2330	,,	1017·9	980·6	..	14·4	10.5	6·2	10·0	58	..	1·4	..	1·4	0	0	18	7	1	4	2	2	2	0	0	13	0
Rewa	0830	299	1019 2	983·4	..	12 6	10·3	8 0	10 7	74	..	1·7	..	1·8	0	0	21	2	1	0	0	2	6	8	2	10	0
	1730	,,	1014 8	980 8	..	22·9	15·[illegible]	8 3	11 1	40	..	1·3	..	2.4	0	0	24	9	3	1	2	0	0	1	8	7	0
Sidhi	0830	*272	1018 5	986·2	..	11·8	10 0	8 2	10·8	79	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1013·3	982.3	..	22·2	16·0	11 0	13·2	50	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Umaria	0830	459	1019·4	965.6	..	12·4	10·2	8·2	10·9	76	+8	1·7	−0·8	1·3	0	0	12	0	0	2	6	2	2	0	0	19	0
	1730	,,	1014·2	962·4	..	22 8	16·6	12·2	14·4	52	..	2·3	..	1·4	0	0	17	5	1	1	0	0	0	0	3	14	7
Jabalpur	0530	393	1017·2	970.9	..	11·4	10·1	8·8	11·3	84	..	1·3	..	0.5	0	0	3	1	0	1	1	0	0	0	0	28	0
	0830	"	1019·0	973·2	+1·5	14·9	11 8	8·8	11·3	67	−4	1 9	+0·1	1·9	0	0	14	0	2	1	5	5	0	1	0	17	0
	1130	,,	1017·6	973·0	..	22·4	15·4	9·2	11·9	44	..	1·4	..	4·1	0	0	30	5	11	2	2	3	1	1	5	1	0
	1430	,,	1013·9	969.9	..	25·5	16·4	8·6	11·2	35	..	1.9	..	4·3	0	0	28	9	7	0	1	0	1	3	7	3	0
	1730	,,	1013·9	969.7	..	23·5	16·2	10·1	12·5	43	..	2·4	..	2·5	0	0	21	7	8	1	2	0	0	1	2	10	0
	2330	,,	1017 6	971·7	..	14·9	12·4	10 0	12·3	73	..	1·0	..	1.0	0	0	6	0	5	0	1	0	0	0	0	25	0
Ambikapur	0830	611	1019·3	948·7	+0·8	13·5	11·0	8·7	11.3	73	−4	1·8	+0·1	1·2	0	0	10	4	3	1	0	1	1	0	0	21	0
	1730	,,	1013·9	945.5	..	21 2	14.1	8·1	10 9	44	..	2·3	..	5·0	0	0	29	19	1	0	0	1	0	1	7	2	0
Jashpur Nagar	0830	771	1018·5	929·6	..	13·3	10·7	8 3	11 0	73	..	1·2	..	0 6	0	0	6	3	2	0	0	0	0	1	0	25	0
	1730	,,	1014·0	927·7	..	20 8	13·9	7 8	10 9	45	..	2 0	..	4·1	0	0	28	5	2	0	0	1	6	6	8	3	0
Pendra	0530	625	1017·1	945.0	..	12·7	10 6	7·5	11·2	71	..	1·8	..	3·1	0	0	24	8	1	0	1	0	1	3	10	7	0
	0830	,,	1018·8	947·1	+0·6	14.8	11·3	8·1	10 9	65	−1	1·9	+0·1	3·5	0	0	26	13	1	0	0	0	1	2	9	5	0
	1130	,,	1017·2	947·0	..	21·1	13·9	7 6	10·5	43	..	1·8	..	7·1	0	1	28	13	5	1	0	3	3	0	3	2	1
	1430	,,	1013·7	944·3	..	23·2	14·7	7·5	10·4	38	..	2·3	..	8 5	0	2	26	12	3	2	0	4	3	0	4	3	0
	1730	"	1014·2	944·3	..	21·0	14·3	8·7	11·4	47	..	2·3	..	4·3	0	0	27	14	1	0	1	6	3	0	2	4	0
	2330	,,	1017·5	946 0	..	15·2	11·6	8·3	11·0	64	..	6·9	..	3·3	0	0	24	6	0	1	1	1	5	3	7	7	0
Mandla	0830	443	1019·1	967·3	+0·9	12 9	11·1	9·4	11·8	80	−5	1·6	−0·9	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	1730	,,	1013·5	963·7	..	23·0	15·5	9·0	11·5	43	..	2·3	..	0·9	0	0	6	3	0	0	0	2	0	0	1	25	0
Champa	0830	245	1018·3	989.5	+0·8	15·8	13 1	10·5	12·9	71	+1	2·5	+0·8	3·3	0	0	29	21	0	0	0	0	0	0	8	2	0
	1730	"	1014·0	986·2	..	24·5	17 1	11·3	13·4	45	..	2·2	..	2·1	0	0	21	7	0	0	0	1	0	6	7	10	0
Raigarh	0830	220	1018·1	992·5	+0 9	18 0	14·2	10 8	13.1	64	−1	2·0	+0·1	3·9		0	31	1	27	0	1	1	0	0	1	0	0

*Height provisionally calculated (a) Mean of 30 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean Temperature in °C: Dry bulb	Mean Temperature in °C: Wet bulb	Mean Temperature in °C: Dew point	Vapour pressure in mb	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km.p.h.): 62 or more	Wind speed (km.p.h.): 20 to 61	Wind speed (km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh (East)—(Contd.)																											
Rajgarh—(Contd.)	1730	220	1013·6	988.5	..	24.7	16·8	10·3	12·7	42	..	2·4	..	2·3	0	0	26	10	11	1	0	2	0	1	1	5	0
Raipur	0530	298	1015·9	981·0	..	15·1	13·5	12·1	14·2	83	..	1·1	..	1·6	0	0	12	3	2	2	3	0	0	0	1	19	1
	0830		1018·2	983·5	+1·0	17·6	14·5	11·8	14·0	70	+8	2·5	+1·0	4·1	0	0	25	5	11	3	1	0	1	1	2	6	1
	1130	,,	1017·3	983·3	..	23·3	16·6	12.2	13·5	49	..	2·1	..	6·3	0	0	31	4	10	6	4	3	1	0	3	0	0
	1430	,,	1013·9	980·3	..	25.8	17.2	9·7	12.2	39	..	2·3	..	7·0	0	0	31	6	5	3	3	2	4	3	4	0	1
	1730	,,	1013·9	980·2	..	24·4	17.2	11·4	13·7	47	..	2·1	..	3·6	0	0	25	11	6	4	1	0	1	1	1	6	0
	2330	,,	1016·4	981·9	..	18·5	15·1	12·1	14·4	68	..	0·8	..	3·4	0	0	22	1	3	5	4	4	3	1	1	9	0
Kanker	0830	402	1018·1	971·9	+0·9	18.0	15·5	13·6	15·5	76	+5	1·8	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	1730	,,	1013·3	968·3	..	24 6	18·2	13·5	15·7	52	..	2·4	..	0·1	0	0	2	0	2	0	0	0	0	0	0	29	0
Jagdalpur	0530	553	1015·7	952·1	..	14.1	12.9	11·9	13·8	87	..	1·6	..	0·3	0	0	3	0	3	0	0	0	0	0	0	28	0
	0830	,,	1017·6	954·5	+0·4	16·7	14·2	12.3	14·4	76	−2	2·4	+0·5	0·6	0	0	6	1	3	0	0	0	0	0	2	25	0
	1130		1015·2	953·8	..	25·0	17·2	11·7	13·9	45	..	2·4	..	6·0	0	0	30	3	15	2	6	1	2	0	1	1	0
	1730	,,	1012·0	950·8	..	24·9	17·1	11·4	13·8	45	..	3·1	..	3·7	0	0	20	3	11	0	0	3	3	0	0	11	0
	2330	,,	1016 1	953·1	..	17·3	14·4	12·3	14·3	74	..	1·5	..	1·6	0	0	10	1	6	1	1	0	0	0	1	21	0
Gujarat Region																											
Deesa	0830	136	1017·3	1001·1	+0·3	14·9	11·6	8 3	11·0	66	..	1·3	..	4·8	0	2	30	0	24	0	4	0	2	0	0	1	0
	1730	,,	1013·7	998·2	..	27·3	16·7	7·4	10·4	31	..	1·2	..	5·6	0	0	26	0	4	0	2	0	10	0	9	5	0
Radhanpur	0830	30	1016·5	1012·9	..	15·9	13·1	10·6	12·8	71	..	0·1	..	3·5	0	0	27	6	4	11	3	0	0	0	3	4	0
	1730	,,	1013·4	1010·0	..	27·5	18·9	12·5	14·9	42	..	0	..	3·5	0	6	28	1	4	8	2	0	1	1	11	3	0
Idar	0830	219	1016 8	991·5	..	20.1	13·5	7·0	10·2	44	..	1·5	..	6·3	0	3	22	7	8	7	0	0	0	0	0	9	0
	1730	,,	1013·3	988·6	..	26·8	17·1	9 0	11·6	35	..	2·1	..	2·1	0	6	19	1	1	6	2	0	0	9	0	12	0
Ahmadabad	0230	55	1014·9	1008 4	..	17·5	13.6	10·2	12·4	63	..	1·4	..	6·3	0	7	22	6	9	4	1	0	0	0	2	9	0
	0530	,,	1014·7	1008·1	..	16·2	12.6	9.2	11 7	65	..	1·3	..	7·2	0	1	21	3	9	7	1	0	0	0	2	9	0
	0830	,,	1016·6	1010·1	−0·2	17·0	12.9	9 0	11.5	61	+8	1·8	+0.5	8·2	0	5	17	1	9	11	1	0	0	0	0	9	0
	1130	,,	1017·4	1010·9	..	25·6	17.0	10·0	12 4	40	..	2·0	..	15·4	0	6	25	1	2	19	7	1	0	0	1	0	0
	1430	,,	1014·1	1007·9	..	29·0	18·5	10·4	12·8	34	..	2·6	..	12·0	0	3	28	2	5	11	6	4	1	0	0	0	0
	1730	,,	1013·4	1007·1	..	28·3	18·0	9·9	12·3	34	..	2·5	..	9·4	0	2	28	6	9	6	4	0	0	1	4	1	0
	2030	,,	1015·2	1008 8	..	21·6	16·6	11·5	13·8	53	..	1·7	..	3·5	0	0	14	6	4	1	2	0	0	0	1	17	0
	2330	,,	1015·8	1009·2	.	18·9	14·4	10·6	12·8	60	..	1·2	..	3·8	0	0	15	4	5	1	1	0	0	0	4	16	0
Dohad	0830	333	1017·4	978·7	+0·6	16·8	12.0	7·2	10·1	54	−7	2·3	+0.7	4·5	0	0	27	0	10	12	3	2	0	0	0	4	0
	1730	,,	1012·6	975·4	..	27·5	16·9	8·0	10.7	31	..	0·8	..	6·5	0	0	30	3	8	2	3	2	8	0	4	1	0
Vallabh Vidyanager	0830	44	1016·0	1010·8	..	15 2	12·4	9·7	12·1	71	..	1·8	..	6·5	0	0	30	12	13	2	1	0	0	0	3	1	0
	1730	,,	1012·9	1008·0	..	28·6	18·5	11·0	13·0	35	..	2 3	..	5·4	0	0	30	12	8	0	0	0	0	1	9	1	0
Baroda (Aerodrome)	0830	38	1016·3	1011·8	..	17·4	12.8	8·4	11·1	57	..	1·4	..	8·3	0	3	15	10	7	1	0	0	0	0	0	13	0
	1130	,,	1016·6	1012·3	..	27·5	17·4	9 1	11·7	33	..	1·4	..	12·9	0	9	16	2	7	10	6	0	0	0	0	6	0
	1730	,,	1012·7	1008·4	.	29 3	18·2	9·2	11·9	31	..	2·0	..	10·0	0	3	22	10	5	0	0	0	0	1	9	6	0
Baroda	0530	34	1014·4	1010·3	..	16·7	13·7	11·1	13 5	70	..	1·0	..	0·4	0	0	4	0	4	0	0	0	0	0	0	27	0
	0830	,,	1016·5	1012·3	+0·6	17·0	13·7	10·7	13 0	68	−2	1·4	+0·3	0·5	0	0	5	0	5	0	0	0	0	0	0	26	0
	1130	,,	1016·7	1012·7	..	28·1	18·8	11·8	14 1	38	..	1·2	..	1.0	0	0	12	0	8	0	2	0	0	0	2	19	0
	1730	,,	1012·9	1009·0	..	29.5	19·8	13·1	15 2	39	..	1·8	..	1·2	0	0	11	0	9	0	0	0	0	0	2	20	0
	2330	,,	1015·5	1011·4	..	20·3	15·9	12·6	14·7	62	..	1·2	..	0·4	0	0	4	0	4	0	0	0	0	0	0	27	0
Broach	0830	17	1015.5	1013·4	+0 1	16.5	13·7	11·2	13·4	72	+7	1·8	+0·7	4·9	0	0	31	2	22	3	2	0	0	0	2	0	0
	1730	,,	1012·1	1010.1	..	31·0	21·5	15·7	17·8	41	..	2·1	..	5·1	0	0	31	0	25	1	2	0	1	0	2	0	0
Surat	0530	12	1013·7	1012·3	..	18·6	14·8	11·4	13·7	63	..	0·9	..	9·7	0	1	30	0	30	0	0	0	0	0	1	0	0
	0830	,,	1015 8	1014.4	+0·2	18·8	15·0	12·0	14·0	65	+6	1·5	+0·3	7·5		0	29	0	21	2	5	0	0	0	1	2	0
	1130	,,	1016·6	1015·2	..	27·7	18·6	12·0	14·0	39	..	1·5	..	10·4	0	1	30	0	17	4	0	0	0	0	0	0	0
	1730	,,	1012·6	1011·3	..	29·1	20·0	13·7	16·0	40	..	1·9	..	10·8	0	1	30	0	6	0	1 0	0	3	1	21	0	0
	2330	,,	1015.2	1013·8	..	21·3	16·7	13·3	15·3	62	..	0·8	..	9 8	0	1	30	0	31	0	0	0	0	0	0	0	0
Saurashtra and Kutch (Including Diu)																											
Naliya	0830	21	1016·7	1014·1	..	13 ·9	11·7	9·5	12·0	76	..	2·0	..	0·8	0	0	5	1	3	1	0	0	0	0	0	26	0
	1730	,,	1013·6	1011.2	..	27.2	18 4	11·6	14·0	40	..	2.0	..	5·0	0	0	28	6	5	0	0	0	13	2	2	3	0
Bhuj (Rudramata)	0230	80	1015·5	1006 0	..	16·7	13·0	9·4	12 0	64	..	1·4	..	2·5	0	0	9	5	0	0	0	0	4	0	0	22	0
	0530	,,	1015·2	1005·7	..	14·6	12.0	9·4	11 9	72	..	1·2	..	1 2	0	0	4	0	0	0	0	0	2		0	27	0
	0830	,,	1017·1	1007·5	+0·3	14·6	11·9	9·3	11·7	72	+37	2·5	+1 2	1·3	0	0	6	1	0	0	0	1	4	0	0	25	0
	1130	,,	1017·7	1008.4	..	23·3	15·7	8·9	11·7	43	..	2.2	..	7.0	0	0	23	7	12	2	0	0	0	0	2	8	0
	1430	,,	1014·5	1005.4	..	27·7	17·0	7·5	10·7	30	..	2·2	..	11·4	0	3	23	5	11	3	1	1	0	0	5	5	0
	1730	,,	1013·7	1004·5	..	27·9	16·8	6·8	10·1	29	..	2.6	..	11.7	0	1	28	5	16	2	1	1	1	0	3	2	0
	2030	,,	1015·7	.006·4	..	22·5	15·4	9·0	11·8	44	..	1·4	..	3·4	0	0	12	4	4	0	1	0	2	0	1	19	0
	2330	,,	1016·3	1006·9	..	19·0	14·3	9·9	12·5	57	..	1·2	..	4 1	0	0	12	7	0	0	0	0	2	2	1	19	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km.p.h.): 62 or more	Wind speed (km.p.h.): 20 to 61	Wind speed (km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Saurashtra and Kutch (Including) Diu) *(Contd.)*																											
Kandla Aerodrome	0830	35	1017·1	1013·0	..	17·8	13·2	8·7	11·5	57	..	1·9	..	12·2	0	4	23	3	2	1	1	0	0	0	20	4	0
	1130	,,	1017·9	1013·8	..	25·3	16·3	8·2	11·2	37	..	1·9	..	15·9	0	7	23	10	8	3	1	0	0	2	6	1	0
	1730	,,	1014·0	1010·0	..	28·3	17·0	6·9	10·2	28	..	1·9	..	14·1	0	4	25	13	2	3	5	2	0	1	3	2	0
New Kandla	0830	14	1017·2	1015·5	..	17·9	14·0	10·5	12·9	63	..	2·7	..	10·1	0	1	30	17	2	0	2	1	0	1	8	0	0
	1730	,,	1014·2	1012·5	..	26·7	18·0	11.5	13·6	41	..	2·5	..	7·9	0	0	28	7	9	3	2	3	2	1	1	3	
Mandvi	0830	9	1016·8	1015·7	—0·2	18·1	14·7	12·1	14·0	69	+4	4·5	+3·1	11·2	0	6	25	6	14	2	0	1	0	0	0	0	8
	1730	,,	1014·1	1013·0	..	23·9	20·6	18·8	21·6	74	..	2·4	..	14·6	0	8	23	0	0	1	3	5	16	5	0	0	1
Surendranagar	0830	74	1016·7	1007·9	+0·5	18·1	14·2	10·7	13·0	63	+7	1·8	+0·5	4·3	0	0	23	10	5	3	0	0	0	0	5	8	0
	1730	,,	1012·9	1004·6	..	29·0	19·2	12·1	14·3	37	..	2·2	..	4.2	0	0	23	10	6	0	2	0	0	2	3	8	0
Okha	0530	7	1015.1	1014·3	..	20·9	18·5	17·1	19·4	79	..	0·8	..	18·5	0	15	12	10	9	2	0	0	0	0	6	4	0
	0830	,,	1016·9	1016·1	..	20·9	18·5	16·9	19·4	79	..	2·1	.	15·8	0	11	15	9	11	4	0	0	0	0	2	5	0
	1130	,,	1018·1	1017·3	..	22.7	19·2	17·0	19·5	71	..	2·3	..	14·8	0	7	23	5	13	8	1	1	0	0	2	1	0
	1730	,,	1014·5	1013·7	..	23·2	20·6	19·0	22·1	78	..	2·1	..	12·8	0	8	22	3	0	3	1	0	0	3	20	1	0
	2330	,,	1016·6	1015·8	..	21·9	19·7	18·2	21·1	81	..	0·8	..	16·7	0	13	13	11	3	1	0	0	0	1	10	5	0
Jamnagar (Aerodrome)	0530	23	1014·9	1012·2	..	14·7	12·5	10·3	12·7	75	..	1·2	..	5·7	0	0	14	3	7	3	1	0	0	0	0	17	0
	0830	,,	1016·8	1014·1	—0·1	15·5	12·9	10·4	12·8	75	+15	1·8	+0·8	6·4	0	1	17	4	8	3	1	1	0	0	1	13	0
	1130	,,	1017·6	1015·0	..	23·6	17·1	11·7	14 2	49	..	2·2	..	16.5	0	12	16	6	15	5	1	0	0	0	1	3	0
	1730	,,	1013·8	1011·2	..	26.4	17·2	9·6	12·2	38	..	1·8	..	19·3	0	16	14	18	7	1	0	0	0	1	3	1	0
	2330	,,	1016 1	1013·4	..	19·7	16·1	13·3	15·4	68	..	1·1	..	7·4	0	2	20	11	7	0	0	0	0	1	3	9	0
Dwarka	0830	11	1016 5	1015·2	—0·1	18·7	16·9	15·7	17·8	83	+16	2·0	+0·4	(a) 9·2	0	2	27	17	8	4	0	0	0	0	0	1	0
	1730	,,	1013·6	1012·3	..	25·1	20·3	17·2	19·9	65	..	1·3	..	15·2	0	10	21	15	1	1	0	1	0	1	12	0	0
Rajkot	0530	138	1014·8	998·6	..	15·3	11·0	6·2	9·7	57	..	0.9	..	2·7	0	1	9	3	4	0	1	0	0	1	1	21	0
	0830	,,	1016·6	1000·4	0	16·7	12·1	7·3	10·4	56	—1	1.4	+0·3	2·3	0	1	6	4	2	0	1	0	0	0	0	24	0
	1130	,,	1016·8	1001·1	..	26·0	16·5	7·9	11·1	35	..	1·3	..	15·2	0	10	20	7	17	2	1	0	0	0	3	1	0
	1730	,,	1012·9	997·4	..	28·8	16·8	5·6	9·4	25	..	1·2	..	14 6	0	8	23	8	12	2	0	2	0	0	7	0	0
Bhaunagar (Aerodrome)	0830	11	1016·4	1015·1	+0·1	17·9	13·6	9·7	12·1	60	+19	1·5	+0·1	7·9	0	3	19	3	3	0	1	0	0	3	9	9	3
	1130	,,	1017·0	1015·8	..	24·6	18·1	13·4	15·5	51	..	1.6	..	15·9	0	7	24	10	16	3	2	0	0	0	0	0	0
	1730	,,	1013·1	1011·9	..	28·3	19·5	13·0	15·5	41	..	2.0	..	14·4	0	6	25	3	19	5	3	1	0	0	0	0	0
Porbander (Aerodrome)	0830	7	1016·2	1015·4	+0·4	17·5	14·2	11·5	13·6	69	+2	1.8	+0·7	6·0	0	1	25	4	4	3	6	1	1	0	7	5	4
	1130	,,	1016·9	1016·1	..	27·3	18·6	12·2	14·4	41	..	1·7	..	13·9	0	8	23	4	13	7	1	0	1	0	1	0	0
	1730	,,	1013·2	1012·4	..	27·3	19·7	14·5	16·7	48	..	1·5	..	17·5	0	14	17	3	2	2	0	1	2	19	2	0	0
Keshod	0830	51	1016·1	1010·0	..	16·9	12·1	7·1	10·2	55	..	1·5	..	11·5	0	1	29	3	16	11	0	0	0	0	0	1	0
	1130	,,	1016·5	1010·6	..	26·3	16·5	7·8	10·8	34	..	1·4	..	15·1	0	7	23	7	17	5	1	0	0	0	0	1	0
	1730	,,	1012.6	1006·8	..	29·7	17·4	6.4	9.9	26	..	1·3	..	18·4	0	12	19	8	5	2	0	1	6	6	3	0	0
Mahuva	0830	9	1015·1	1014·0	..	19·5	14·9	10·9	13·2	59	..	5·4	..	3·2	0	0	27	5	18	0	0	0	0	1	3	4	0
	1730	,,	1012·7	1011·7	..	27·3	19·8	14·7	16·9	48	..	(a) 4·8	..	(a) 4·3	0	0	30	1	4	5	17	2	0	0	1	0	0
Veraval	0230	8	1014·3	1013·4	..	18·4	14·8	11·7	13·9	67	..	1·1	..	12·1	0	1	30	15	15	1	0	0	0	0	0	0	0
	0530	,,	1013·8	1012·9	..	17·9	13·7	10·5	13·0	64	..	1·2	..	13·0	0	4	26	11	18	1	0	0	0	0	0	1	0
	0830	,,	1015·6	1014·7	—0·3	18·8	14·6	10·8	13·2	62	+12	1·5	+0.4	12·7	0	4	25	7	21	1	0	0	0	0	0	2	1
	1130	,,	1016·4	1015·5	..	27.9	19·7	13.8	16·3	46	—	1.6	..	14.5	0	8	23	6	9	3	4	2	1	4	2	0	0
	1430	,,	1013·5	1012·6	..	26·9	21.8	18·9	21.8	63	..	1·7	..	17·0	0	9	22	4	2	0	0	7	10	7	1	0	0
	1730	,,	1013·0	1012·1	..	25·3	22·0	20·2	23·8	74	..	1·7	..	16·0	0	10	21	2	1	0	0	2	9	12	5	0	0
	2030	,,	1014·9	1014·0	..	22·8	20·2	18·6	21·6	79	..	1·1	..	9·3	0	3	27	10	1	1	0	2	1	3	12	1	0
	2330	,,	1015·4	1014·5	..	20·1	17·2	15·1	17·3	74	..	1·0	..	9.7	0	1	30	17	6	1	1	0	0	1	5	0	0
Konkan (including Gao)																											
Dahanu	0830	5	1014·7	1014·2	+0·4	20·6	18·2	16·7	19.0	78	+7	1·2	—0·3	6·7	0	0	31	3	5	3	12	0	0	0	1	0	0
	1730	,,	1012·4	1011·8	..	25·6	23·5	22·5	27·3	84	..	1·0	..	14·9	0	5	26	27	0	0	0	0	0	0	3	0	0
Bombay (Santa Cruz)	0230	14	1013·2	1011·5	..	20·1	16·9	14·6	16·7	72	..	1·4	..	3·4	0	0	15	4	4	4	1	0	0	0	2	16	0
	0530	,,	1012·9	1011·2	..	19·3	16·0	13·5	15·5	70	..	1·2	..	3·2	0	0	19	2	7	10	0	0	0	0	0	12	0
	0830	,,	1015·0	1013·3	0	21·6	16.9	13·3	15·5	61	—4	2·0	+0·7	4·3	0	0	20	1	4	12	2	0	0	1	0	11	0
	1130	,,	1015·4	1013·7	..	29·6	18·8	10·5	12·9	32	..	1·9	..	10·0	0	2	28	3	8	9	8	1	0	0	1	1	0
	1430	,,	1012·2	1010·6	..	30.3	20·2	13·2	15·5	37	..	1·6	..	14·8	0	4	27	1	1	2	0	0	0	17	10	0	0
	1730	,,	1011·9	1010·2	..	27·6	20·1	15·0	17·4	48	..	1·3	..	13·9	0	2	29	5	2	0	0	0	0	0	24	0	0
	2030	,,	1013·8	1012·1	..	24·4	19·2	15.6	18·1	60	..	1.0	..	9·4	0	1	28	15	5	1	0	0	0	0	8	2	0
	2330	,,	1014·4	1012·7	..	21·7	17·8	15·1	17·1	67	..	1·2	..	2.2	0	0	14	1	7	4	0	0	0	0	2	17	0
Bombay	0830	11	1014·8	1013·5	—0·2	22·2	19·1	17·2	19·6	74	+4	2·2	+0.9	5·8	0	0	30	5	12	12	1	0	0	0	0	1	0
	1130	,,	1015·3	1014·1	..	27·7	21·0	16.9	19·5	53	..	1·7	..	7·7	0	1	30	2	9	14	3	1	9	0	2	0	0
	1730	,,	1011·7	1010·5	..	26.7	22·2	19·8	23·1	66	..	1·5	..	12·5	0	3	28	5	0	0	0	0	0	5	21	0	7

(a) Mean of 30 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km.p.h.): 62 or more	Wind speed (km.p.h.): 20 to 61	Wind speed (km.p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KONKAN (Including Goa)—*Contd.*																												
Alibag	0830	7	1015·2	1014·4	−0·5	21·5	18·0	15·6	17·8	70	+5	1·7	+0·2	5·6	0	0	29	9	7	7	1	1	0	1	3	2	0
Bhira	0830	96	1014·5	1003.4	..	19·8	16·2	13·4	15·5	68	..	1 2	..	3·0	0	0	18	3	2	2	8	0	2	0	1	13	0
	1730	,,	1010·3	996·6	..	31·1	20·3	12.6	15·1	35	..	2·0	..	2·3	0	0	23	1	0	0	2	1	13	5	1	8	0
Harnai	0830	20	1014·2	1011·9	+0·6	24·4	19·1	15·4	17·8	59	−3	2·6	+1·2	9·5	0	8	15	1	6	10	2	2	2	0	0	8	0
	1730	,,	1011·0	1009·0	..	26·8	23·2	21·3	25·5	70	..	2·1	..	19·3	0	12	19	12	0	0	1	0	1	7	10	0	0
Ratnagiri	0830	35	1014·4	1010·3	+0·2	22·1	18·1	15·1	17.1	67	..	2·0	..	7·6	0	0	30	0	4	18	8	0	0	0	0	1	0
	1730	,,	1011·0	1007·1	..	28·1	22·3	9·0	22·1	58	..	1·5	..	9·7	0	0	31	2	1	0	0	0	2	9	17	0	0
Devgarh	0830	36	1014·3	1010·2	+0·6	22·4	19.2	17·0	19·6	72	+1	1·6	−0·2	9.2	0	2	27	0	4	25	0	0	0	0	0	2	0
	1730	,,	1010·7	1006·7	..	28·2	22·8	19·9	23·4	62	..	1·5	..	19·7	0	12	19	0	0	2	0	1	3	5	20	0	0
Vengurla	0230	9	1012·9	1011·9	..	20·7	18·9	17·8	20·4	84	..	1·0	..	1·3	0	0	8	8	0	0	0	0	0	0	0	23	0
	0530	,,	1012·4	1011·4	..	19·7	17·8	16·5	18·8	83	..	1·4	..	3·4	0	0	19	15	0	2	1	0	0	0	1	12	0
	0830	,,	1014·7	1013·7	+0·8	20.5	18·1	16.4	18.8	78	+4	1·7	+0·4	2.1	0	0	13	11	2	0	0	0	0	0	0	18	0
	1130	,,	1014·7	1013·7	..	29·8	20·4	13·8	16·3	39	..	1·4	..	7.7	0	0	30	3	1	6	6	5	5	3	1	1	0
	1730	,,	1011·1	1010·1	..	28·3	22·1	18·5	21·6	57	..	1·8	..	6·8	0	0	31	0	1	0	0	0	6	22	2	0	0
	2330	,,	1013·9	1012·9	..	22·1	19·8	18·4	21·3	81	..	1·6	..	2·6	0	0	16	12	2	0	0	0	0	1	1	15	0
Panjim	0530	60	1012·2	1005·3	..	21·0	18·7	17·1	19·7	80	..	1·4	..	9·4	0	0	31	2	9	20	0	0	0	0	0	0	0
	0830	,,	1014·4	1007·5	..	21·4	·5	16·6	19·0	75	..	1.9	..	7·7	0	0	28	1	10	16	1	0	0	0	0	3	0
	1130	,,	1014·7	1007·9	..	29·0	19·9	13·6	15·9	40	..	1·7	..	8·8	0	0	31	2	7	7	10	2	1	2	0	0	0
	1430	,,	1011·3	1004·6	..	31·0	20·8	13·7	16·3	37	..	2.2	..	12.5	0	2	29	1	4	3	5	0	9	9	0	0	0
	1730	,,	1010·7	1004·0	..	28.8	21·5	16·9	19·7	51	..	2.3	..	13·0	0	0	31	0	0	2	1	0	2	18	8	0	0
	2030	,,	1012.9	1006.1	..	25.4	21.3	19·0	22·0	68	..	1·7	..	6·1	0	0	29	16	2	0	0	1	1	1	8	2	0
	2330	,,	1013·8	1006·9	..	23·9	20·2	17·9	20·8	70	..	1·3	..	6·8	0	0	30	9	17	3	0	0	0	0	1	1	0
Marmugao	0530	62	1011.8	1004·7	..	22·5	19.3	17·2	19·7	73	..	1·4	..	..	..	..	..	2*	7	15	4	2	0	0	0	1	0
	0830	,,	1013·7	1006·7	..	23·9	19·4	16·4	18·8	64	..	1·8	..	..	..	..	..	2*	7	18	4	0	0	0	0	0	0
	1130	,,	1014·0	1007·0	..	28·3	20·2	14·7	17·1	45	..	1·7	..	..	..	..	..	0*	6	11	3	1	5	3	1	1	0
	1730	,,	1010·1	1003·1	..	28·0	21·6	17·5	20·6	55	..	2·1	..	..	..	..	..	1*	0	1	1	3	12	7	6	0	0
Dabolim (Naval Air Station)	0530	52	1012·6	1006·6	..	21·4	18.5	16·5	19·0	75	..	2·1	..	11·5	0	5	19	1	5	16	1	0	0	1	0	7	0
	0830	,,	1014·7	1008·7	..	23·1	18·7	15·6	18·1	64	..	2.1	..	12.4	0	3	26	1	5	18	5	0	0	0	0	2	0
	1130	,,	1014·9	1009.1	..	28·6	20·1	14·7	16·6	44	..	1·8	..	16.0	0	5	26	1	4	9	8	3	5	1	0	0	0
	1730	,,	1010·8	1005·0	..	28·4	21·5	17·2	20·0	53	..	2·4	..	20·9	0	21	10	3	0	1	1	0	4	17	5	0	0
Madhya Maharashtra																												
Nandurbar	0830	206	1017·0	993 1	..	20·2	15·0	10·3	12·9	56	..	0·1	..	5·2	0	0	30	2	0	27	0	1	0	0	0	1	0
	1730	,,	1012.3	989·1	..	28·8	19·3	12·2	14·7	40	..	1·2	..	2·6	0	0	25	5	0	15	0	0	0	5	0	6	0
Jalgaon	0830	201	1017·2	993·6	+1·3	17·0	13·2	9.5	12·1	62	+3	3·2	+1.6	9·6	0	0	30	0	4	17	7	0	2	0	0	1	0
	1730	,,	1012·4	989·9	..	29·7	18·2	8.7	11·5	29	..	3·4	..	7·5	0	11	11	1	3	10	3	0	1	1	3	9	0
Malegaon	0830	437	1017·3	966 6	+0·4	15·5	12·4	9·2	11·9	67	+15	2·8	+1 4	4·1	0	0	31	2	4	1	0	0	5	7	12	0	0
	1730	,,	1012·4	963·2	..	28.2	17·8	8·9	11·9	32	..	3.1	..	6·0	0	0	27	3	8	12	3	1	0	0	0	4	0
Ozar*	0830	608	..	..	..	16·0	11·3	6·9	9·9	55	..	1·7	..	2·7	0	0	14	2	2	2	1	0	0	5	2	4	0
	1130	,,	..	..	..	25·9	16·3	8·9	11·5	3	..	1·6	..	11·4	0	1	17	0	1	5	11	1	0	0	0	0	0
	1730	,,	..	..	..	28·5	16·6	7·1	10·2	26	..	2·1	..	11·2	0	1	17	2	5	3	1	3	0	2	2	0	0
Deolali (Aerodrome)	0830	571	1017·9	952·3	..	15·6	12·0	9·0	11·4	65	..	2·2	..	3·5	0	0	23	18	3	1	0	1	0	0	0	8	0
	1730	,,	1011·7	949.0	..	28·0	17·8	10·5	12·9	35	..	2·8	..	8·0	0	0	30	5	6	7	3	1	2	4	2	1	0
Ahmadnagar	0830	657	1017·0	942·3	+0·4	16·3	11·9	7.8	10·7	61	+14	2·5	+1·2	4·5	0	0	20	0	4	0	2	0	2	0	12	11	0
	1730	,,	1010 5	938·9	..	27·8	17·1	8·9	11·7	31	..	3·4	..	10·1	0	2	27	0	14	0	7	1	4	0	3	2	0
Poona (Aerodrome)	0230	593	1014·3	946·9	..	17·8	13·4	9·6	12·2	61	.	1·0	..	3·2	0	0	12	0	2	2	1	0	2	4	1	19	0
	0530	,,	1014·6	946·8	..	15·9	12·5	9·4	12·0	67	..	1·1	..	5·7	0	0	18	1	6	2	0	0	2	5	2	13	0
	0830	,,	1016·4	948·8	..	17·2	12·9	9·1	11·8	61	..	2·1	..	5·0	0	0	18	0	6	5	1	0	1	5	0	13	0
	1130	,,	1014·8	949·2	..	25·5	16 4	9·2	12·0	36	..	1·9	..	16·1	0	22	8	1	8	15	4	1	0	1	0	1	0
	1730	,,	1010·1	945.3	..	28·4	16·8	7·9	10·7	28	..	2·6	..	14 2	0	9	19	0	4	13	3	2	1	3	2	3	0
	2330	,,	1014·8	948·0	..	20·1	14·2	9·1	11·9	51	.	1·5	..	9·2	0	1	27	1	5	6	1	0	1	13	1	3	0
Poona	0530	559	1015·4	950·7	..	13·2	10·7	8·4	11·1	73	..	0.8	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	0830	,,	1017·1	952·9	+0·5	15·7	12·8	10·4	12·7	72	+8	1·6	+0·2	0	0	0	1	0	0	1	0	0	0	0	0	30	0
	1130	,,	1014·7	952·8	..	25·8	17·4	11·6	13·7	42	..	1·6	..	3·2	0	0	16	0	2	11	2	1	0	0	0	15	0
	1430		1010·6	949·5	..	28·8	18·1	1·0	12·9	33	..	2·8	..	4·9	0	0	22	1	0	13	4	1	0	3	0	9	0
	1730	,,	1010·3	949·0	..	28·2	17·8	10·5	12·8	36	..	2·4	..	4·2	0	0	19	0	0	14	0	1	0	4	0	12	0
	2030	,,	1013·9	951·2	..	22·0	15·3	10·3	12·5	48	..	1·4	..	0·6	0	0	4	1	0	1	0	0	0	2	0	27	0
	2330	,,	1015·3	951·8	..	18·3	13·6	9·8	12·2	58	..	1·2	..	0·3	0	0	2	0	0	1	0	0	0	0	1	29	0
Jeur	0830	521	1016·3	956·8	+0·5	17·5	12·9	8·8	11·5	57	+2	2·2	+0·8	2·7	0	0	20	1	6	7	3	2	0	0	1	11	0
	1730	,,	1010·2	953·1	..	28·1	17·3	9·3	11·9	31	..	2·8	..	7·9	0	1	28	1	4	11	6	3	1	2	1	2	0

*Observations for 18 days.

*Estimated.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level of height in g.p.m. or nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (km. p. h.): 62 or more	Wind speed (km. p. h.): 20 to 61	Wind speed (km. p. h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Baramati	0830	551	1016·7	953·7	+0.3	16.9	13 3	10.4	12·7	66	+4	1·6	+0·5	5·7	0	0	26	5	2	10	3	0	0	2	4	5	0
	1730	,,	1010·5	950·2	..	28·3	19 6	14·2	16·5	43	..	2·2	..	10 6	0	0	31	0	2	14	8	4	0	3	0	0	0
Sholapur	5030	479	1014·5	959.8	..	17.7	13·4	9 8	12·3	60	..	1.3 (a)	..	6 5	0	0	26	0	5	8	9	2	1	0	1	5	0
	0830	,,	1016·6	962·2	+0.8	20.5	15 6	12·2	14·1	59	+11	1·2	—0·1	7·8	0	0	31	0	9	0	20	0	0	0	2	0	0
	1130	,,	1015·4	962·1	..	26·7	18·7	13·5	15·7	45	..	1·8	..	13·8	0	2	29	1	2	2	18	5	1	2	0	0	0
	1730	,,	1010·8	958·2	..	29·0	18.7	11.1	14 0	36	..	2·3	..	10·8	0	2	29	2	4	10	10	0	2	0	3	0	0
	2330	,,	1014·5	960·6	..	22.3	15·9	11·1	13·4	50	..	1·9	..	11·0	0	0	31	0	14	9	5	1	1	0	1	0	0
Miraj	0830	554	1016.2	953·3	+0.1	18·7	14·2	10·7	12·9	60	+1	2·4	+0·7	..	..	..	..	0	0	8	0	0	0	0	1	22	0
	1730	,,	1010·1	949·6	..	28.6	17·6	9·4	12·1	31	..	3 4	..	..	..	..	..	0	0	18	2	1	0	2	1	7	0
Kolhapur	0530	570	1013·8	948·9	..	16·6	13·5	10·7	13·2	70	..	1·5	..	6·3	0	4	24	0	0	14	2	2	2	4	0	7	0
	0830	,,	1015·8	951·1	+0.1	18·5	14 2	10·9	13·0	63	+1	1 6	+0·4	3·5	0	5	17	0	0	17	0	0	0	0	0	14	0
	1130	,,	1014 1	951·3	..	26·7	17 4	11·0	13·1	38	..	1·2	..	10·7	0	0	26	0	0	23	5	2	0	0	0	1	0
	1730	,,	1009·8	947·5	..	28·2	17 6	9·8	12·3	33	.	1.8	..	12·8	0	0	26	0	0	27	1	1	0	0	2	0	0
	2330	,,	1014·4	950·3	..	20·6	15·2	11·0	13 4	56	..	1·0	..	8·3	0	0	27	0	0	13	1	0	1	12	0	4	0
Marathwada Aurangabad	0830	581	1016·9	95[illegible]·2	+0 6	19·4	13 6	8·6	11·4	51	+4	2·2	+0·6	4 0	0	0	22	1	3	18	0	0	0	0	0	9	0
	1730	,,	1011·3	947·7	..	28·1	16 6	7·2	10·5	28	..	2 4	..	3·3	0	0	19	1	4	6	0	4	0	3	1	12	0
Aurangabad (Chikalthan)	0230	579	1015·4	948·8	..	14·5	10 9	7·3	10·4	63	..	1 4	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	0530	,,	1015·6	948·7	..	13 2	10 2	7·2	10·3	68	..	1·5	..	0·3	0	0	1	0	0	0	1	0	0	0	0	30	0
	0830	,,	1016·8	950·9	..	18·0	13 3	9.1	11·9	58	..	2.3	..	1·0	0	0	4	0	0	2	1	0	0	0	1	27	0
	1130	,,	1015·4	951·1	..	25·6	17 9	10·0	13·1	41	..	2·0	..	12·0	0	1	28	0	1	7	15	5	0	0	1	2	0
	1430	,,	1011·4	947·9	..	28·0	18 0	10·0	13·3	36	.	3·0	.	9·1	0	0	25	1	3	7	7	1	2	2	2	6	0
	1730	,,	1010·9	947·4	..	27·7	17·5	9.2	12 5	35	..	2·9	..	5·0	0	0	16		3	6	3	0	0	3	1	15	0
	2030	,,	1014·9	949·4	..	19·7	14·0	8·9	11·9	52	..	1·4	..	0·3	0	0	1	0	0	0	1	0	0	0	0	30	0
	2330	,,	1016·1	949·9	..	16·4	12 2	8·1	11·2	60	..	1·5	..	0·6	0	0	2	1	0	1	0	0	0	0	0	29	0
Parbhani	0830	423	1017·4	968·7	+1·5	17·9	13·6	9·3	12·1	59	+3	1·8	+0·2	3·0	0	0	25	2	9	6	3	0	0	2	3	6	0
	1730	,,	1011·8	965·0	..	27·9	17·6	8·9	11 8	32	..	2·5	..	6·5	0	0	31	1	15	9	3	0	0	0	3	0	0
Nander	0830	358	1016·9	975·7	..	19·3	16·1	13·2	15·7	68	..	1 6	..	1·2	0	0	8	0	0	0	2	0	2	4	0	23	0
	1730	,,	1011·7	971·9	..	28·2	20 2	14·8	17·1	45	..	1·6	..	4·2	0	0	23	1	11	6	1	0	1	3	0	8	0
Bir	0830	519	1017·7	958·2	..	17·4	14·4	12·0	14 2	71	..	1·8	..	1·5	0	0	11	0	1	0	4	1	2	0	3	20	0
	1730	,,	1012·8	955·1	..	25·6	17·0	11·0	13·1	40	.	2·3	..	4·0	0	0	21	0	19	0	1	0	0	0	1	10	0
Vidarbha Gondia	0830	313	1018·4	981·9	+1·1	16·5	13·9	11·7	13·7	74	+3	2·4	+0.7	1·4	0	0	20	5	8	2	2	0	0	0	3	11	0
	1730	,,	1013·7	978·5	..	25.3	17·3	10·7	13·1	43	..	2·2	..	1 6	0	0	19	10	3	2	0	1	1	1	1	12	0
Nagpur (Sonegaon)	0230	310	1015·3	979·2	..	15·9	13.2	10·7	12·9	72	..	2·2	..	4·9	0	0	28	11	4	2	0	0	0	0	11	3	0
	0530	,,	1015·8	979·4	..	14·6	12·5	10·6	12·8	75	..	2·2	..	4·3	0	0	26	10	5	1	0	0	0	0	10	5	0
	0830	,,	1018·0	981·9	+0·8	17.1	13·7	10.7	12.9	67	+4	2·5	+0·7	3·9	0	0	29	17	6	1	0	0	0	0	5	2	0
	1130	,,	1016·8	981·6	..	24·4	16·6	10·0	12 3	43	..	2·3	..	7·8	0	0	30	0	6	16	7	1	0	0	0	1	0
	1430	,,	1013·2	978.4	..	26·9	17·2	8·5	11·8	36	..	2·6	..	6·8	0	0	30	1	6	9	9	1	0	1	3	1	0
	1730	,,	1013·1	978 2	..	25·4	16.8	9·3	12.2	40	..	2·5	..	6·5	0	0	28	0	3	19	5	1	0	0	0	3	0
	2030	,,	1015·8	980·2	..	19·8	15·1	11·0	13·4	59	..	1·5	..	4·4	0	0	28	2	2	15	8	1	0	0	0	3	0
	2330	,,	1016·3	980·3	..	17·4	14·2	11·3	13·7	69	..	1·5	..	3·9	0	0	24	6	6	5	1	0	0	2	4	7	0
Amraoti	0830	370	1018·3	975·8	+1·8	20·0	14·0	9·1	11·1	49	0	2·0	+0 3	3·3	0	0	31	0	22	9	0	0	0	0	0	0	0
	1730	,,	1012·5	971·3	..	27·7	16·9	6·6	10·5	26	..	2·5	..	3·9	0	0	31	5	6	5	7	2	1	3	2	0	0
Akola (Aerodrome)	0530	309	1014·5	978·5	..	15·9	12·5	8·9	11·8	65	..	2 2	..	9·7	0	0	30	5	12	7	1	3	1	0	1	1	0
	0830	,,	1016·6	980·8	..	18·3	13·8	9 5	12·0	58	..	3·0	..	8·8	0	0	31	7	7	11	3	1	2	0	0	0	0
	1130	,,	1016·1	981·1	..	25·3	17·1	10·5	12·9	42	..	2·6	..	9·4	0	0	30	3	11	9	3	0	2	2	0	1	0
	1730	,,	1011·6	977·1	..	27·6	17·3	8·1	11·4	33	..	2·8	..	9·0	0	0	30	11	13	3	2	0	1	0	0	1	0
	2330	,,	1014·8	979·3	..	20·4	14·8	9 4	12 3	52	..	1.7	..	10·6	0	0	31	5	9	10	4	0	0	1	2	0	0
Akola	0830	282	10 7·2	984·5	+0·7	17·8	14·2	10 9	13 3	66	+12	2·5	+0·8	0·4	0	0	5	0	1	2	0	0	0	2	0	26	0
	1730	,,	1011·9	980·5	..	28·3	18·6	11·0	13·6	37	..	2·7	..	0·9	0	0	14	0	2	8	0	0	0	3	1	17	0
Ramhapuri	0830	229	1017·9	991·1	..	16·6	14·9	13·5	15·6	82		2·2	..	1·6	0	0	21	6	12	2	0	1	0	0	0	10	0
	1730	,,	1013·4	987·5	..	26·9	18·8	13·7	15.9	50	..	2·3	..	2·3	0	0	29	3	10	7	5	1	0	0	3	2	0
Buldana	0830	650	1016·6	943·0	+0·9	18·3	13·7	9·7	12·3	59	+4	2·4	+0 6	6·8	0	0	29	1	1	6	8	7	3	0	3	2	0
	1730	,,	1011·5	940 0	..	25·5	16·6	9·5	12·4	40	..	2·5	..	6·1	0	0	27	6	6	9	2	0	1	0	3	4	0
Yeotmal	0830	451	1016·8	965·3	+0.7	19·3	14·3	9·4	12·3	56	+2	2·7	+0·6	6·5	0	0	30	2	4	20	2	2	0	0	0	1	0
	1730	,,	1012·2	962·1	..	26·5	16·7	7·4	11·0	34	..	2·8	..	7·4	0	0	31	8	11	9	0	1	0	2	0	0	0
Chanda	0830	193	1017.2	994 6	+0·3	17·3	15·6	14·2	16·3	82	+14	2·2	+0·6	2·4	0	0	21	3	6	4	2	1	1	0	4	10	0
	1730	,,	1012·9	991·4	..	26·8	18·8	12·9	15·1	45	..	2·3	..	4·1	0	0	29	2	18	9	0	0	0	0	0	2	0
Busad	0830	334	1018 2	979.3	..	11·6	14·0	11·5	13·9	73	..	2·5	..	2·4	0	0	22	1	1	3	2	0	0	4	11	9	0
	1730	,,	1012.8	975·6	..	28.3	19·3	12·6	15·0	41	..	2·5	..	6·8	0	0	29	2	14	8	3	1	1	0	0	2	0

(a) Mean of 30 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km. p.h.): 62 or more	Wind speed (km. p.h.): 20 to 61	Wind speed (km. p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Vidarbha—*Contd.*																											
Sironcha . . .	0830	123	1017·7	1003·4	+0·8	19·9	16·7	14·4	16·4	72	−3	2·1	+0·5	2·0	0	0	27	4	7	1	14	0	0	0	1	4	0
	1730	,,	1012·8	998·8	..	28·2	19·6	13·6	15·8	43	..	2·7	..	4·7	0	0	30	3	14	1	11	0	0	0	1	1	0
Coastal Andhra Pradesh																											
Kalingapatam . .	0830	6	1017·5	1016·8	+0·7	21.2	19·0	17·5	19·7	79	−1	1·5	−0·4	4·7	0	0	31	11	0	0	0	0	0	0	12	0	8
	1730	,,	1013·9	1013·2	..	24·9	21·2	19·1	22.1	70	..	1·5	.	10.2	0	0	31	0	0	2	5	6	2	0	0	0	16
Vishakhapatnam .	0230	3	1014.7	1014.3	..	20.3	18·7	17.7	20.2	85	..	1.0	..	0.6	0	0	2	1	0	0	0	0	0	0	1	29	0
	0530	,,	1014·9	1014·5	..	19·4	18.1	17·3	19·7	87	..	1.7	..	0·6	0	0	4	2	1	0	0	0	0	0	1	27	0
	0830	,,	1017·3	1016·9	+0·8	23.0	19·7	17·7	20.2	73	−2	2·3	−0·3	2·1	0	0	8	3	1	0	0	0	0	1	3	23	0
	1130	,,	1016.6	1016.2	..	27·6	20·3	15·6	17.7	49	..	3·3	..	8·5	0	0	24	1	2	6	12	0	1	0	2	7	0
	1430	,,	1013.7	1013·3	..	27·7	20·2	11·1	13.2	48	..	2·3	..	15·8	0	8	23	0	0	5	24	0	2	0	0	0	0
	1730	,,	1014·0	1013·6	..	25·4	20·3	17·0	19.4	61	..	2.4	..	12·2	0	0	31	0	0	3	24	2	2	0	0	0	0
	2030	,,	1016.1	1015·7	..	21·0	20.1	18·4	21.1	75		1·7	..	1·1	0	0	7	0	1	3	2	1	0	0	0	24	0
	2330	,,	1016.1	1015·7	..	21·4	19·3	18·0	20·6	81	..	1·1	..	1·4	0	0	7	1	1	0	1	0	0	0	4	24	0
Kakinada . .	0830	8	1017·1	1016·2	+0·7	23·2	20·2	18·1	20·8	73	−2	2·6	−0·1	7·5	0	0	31	0	30	0	0	0	0	0	1	0	0
	1730	,,	1013.8	1012·9	..	25·5	21·4	18·9	21·8	67	..	2·3	..	12·0	0	0	31	0	16	0	15	0	0	0	0	0	0
Nidadavole . .	0830	12	1016·9	1015·4	..	21·6	19·4	18·0	20·6	81	..	4 2	..	6·1	0	0	31	1	27	3	0	0	0	0	0	0	0
	1730	,,	1012·5	1011·1	..	27·2	25·3	19.2	22·2	62	..	4·5	..	6·3	0	0	30	0	8	19	2	0	0	1	0	1	0
Rentachintala. .	0830	106	1016·7	1004.4	..	21·2	18·8	17.2	19·6	74	+5	2·7	−0·9	0·7	0	0	11	0	0	6	0	4	1	0	0	20	0
	1730	,,	1012·2	1000·3	..	28·8	20·1	14·4	16·4	42	..	1·9	..	1·7	0	0	25	2	0	16	0	7	0	0	0	6	0
Gannavaram . .	0230	24	1014.2	1011·4	..	20.4	19·5	18·9	21·8	91	..	0.9	..	5.6	0	0	22	8	2	12	0	0	0	0	0	9	0
	0530	,,	1014.4	1011·6	..	19.9	19·1	18·6	21·4	92	..	1.5	..	5.5	0	0	23	12	4	7	0	0	0	0	0	8	0
	0830	,,	1016·9	1014·1	+0·9	23·1	20·7	19·3	22·4	79	+3	2·8	+1·1	10·3	0	1	28	4	6	18	1	0	0	0	0	2	0
	1130	,,	1016·5	1013·7	..	27·2	21·7	18·6	21·4	60	..	4·0	..	13·5	0	2	28	0	0	22	5	3	0	0	0	1	0
	1430	,,	1013.1	1010.4	..	28·9	21·2	16·5	18.8	48	..	3·9	..	14·6	0	5	26	1	0	18	11	1	0	0	0	0	0
	1730	,,	1013·2	1010·4	..	27·0	21.0	17·3	19·7	56	..	3·1	..	10·7	0	1	30	0	0	11	13	7	0	0	0	0	0
	2030	,,	1015·3	1012·5	..	22·5	20·1	18·7	21·6	79	..	0·9	..	6·0	0	0	26	0	0	11	11	4	0	0	0	5	0
	2330	,,	1015·6	1012·8	..	21·1	19·7	18·8	21·7	87	..	0.6	..	3·7	0	0	17	6	1	9	1	0	0	0	0	14	0
Nagarjuna Konda(R)	0830	,,																									
(R)	1730	,,																									
Masulipatam . .	0830	3	1016·6	1016·2	+0.2	22·0	20·6	19·8	23·1	88	+5	3·8	+1.9	3·2	0	0	29	2	13	13	1	0	0	0	0	2	0
	1730	,,	1013·5	1013·1	..	25·7	21·7	19·5	22·7	69	..	3·3	..	4·2	0	0	31	0	0	18	13	0	0	0	0	0	0
Ongole . . .	0830	12	1016.5	1015·2	..	22·6	21·2	20·4	24.0	87	..	3·3	..	1·2	0	0	17	1	10	2	0	0	0	1	3	14	0
	1730	,,	1013·0	1011·7	..	26·7	22·6	20·5	24.1	69	..	2·5	..	3.0	0	0	31	5	0	24	2	0	0	0	0	0	0
Nellore . . .	0530	20	1014·1	1011·8	..	20·4	19·7	19·2	22·2	94	..	2·7	..	1·0	0	0	11	2	3	2	0	0	0	0	4	20	0
	0830	,,	1016.3	1014.0	+0·3	22.5	21.0	20.2	23.7	87	+3	4.5	+1.1	3·4	0	0	27	0	1	1	0	0	0	1	24	4	0
	1130	,,	1016·2	1013.9	..	27.9	22.3	19.2	22.2	60	..	5.6	..	5.3	0	0	30	3	18	7	0	0	0	0	2	1	0
	1730	,,	1013·1	1010·8	..	26·7	21.8	19·1	22·1	63	..	5·4	..	7·2	0	0	31	0	28	0	2	0	0	0	1	0	0
	2330	,,	1015·4	1013·1	..	22·0	20·6	19·8	23·1	88	..	1·8	..	1·0	0	0	8	1	6	0	0	0	0	0	1	23	0
Telangana																											
Ramgundam . .	0830	156	1016·8	998·8	+0·4	19·9	17·3	15·4	18·0	75	+9	2.0	+0·1	1·9	0	0	28	7	8	1	12	0	0	0	0	3	0
	1730	,,	1012·6	994·9	..	28·1	19.7	14·0	16·4	44	..	2.6	..	3·6	0	0	31	3	13	9	4	1	0	0	1	0	0
Nizamabad . .	0830	381	1016·7	973·8	+1.4	19.4	16·2	14·0	16.0	71	+8	1·6	+0·2	0·2	0	0	1	0	0	0	1	0	0	0	0	30	0
	1730	,,	1011·9	969·5	..	27·7	18.4	11·4	13·5	37	..	2·1	..	3.0	0	0	21	0	17	2	1	0	0	0	1	10	0
Hanamkonda . .	0830	269	1016.9	985.5	−0·3	20.6	18.2	17.5	20.0	76	+3	1.8	−0·8	1.2	0	0	18	0	0	0	2	15	0	1	0	13	0
	1730	,,	1013·1	983.2	..	27·2	17·1	16·5	18·8	43	..	1·7	..	5·5	0	0	28	18	0	2	5	3	0	0	0	3	0
Hakimpet (Aerodrome)	0530	613	1014·5	945·1	..	17·4	15·4	13.8	15·8	81	..	1·6	..	7·2	0	0	27	0	3	9	15	0	0	0	0	4	0
	0830	,,	1015·9	946.9	..	20·2	17.3	16·1	18·3	76	..	3·4	..	11·4	0	2	29	0	2	6	19	4	0	0	0	0	0
	1130	,,	1014.9	947·2	..	25·2	18·1	13·3	15·3	49	..	3·4	..	15.2	0	2	29	1	2	7	17	3	0	1	0	0	0
	1730	,,	1011·8	944·3	..	25.5	17·3	11·3	13·4	43	..	3·4	..	13·1	0	2	29	0	5	13	13	0	0	0	0	0	0
	2330	,,	1013·1	946·0	..	20·0	16·0	13·1	15.1	65	..	1·2	..	9·1	0	0	31	1	7	9	13	1	0	0	0	0	0
Bhadrachalam . .	0830	111	1016·6	1003·7	−0.1	20·6	18·1	16·6	18·8	79	+2	2·3	0	1·7	0	0	26	0	26	0	0	0	0	0	0	5	0
	1730	,,	1012·4	999.9	..	27·6	19.9	14.8	16·9	49	..	1·9	..	2·0	0	0	30	0	30	0	0	0	0	0	0	1	0
Hyderabad (Begampet)	0230	545	1014·6	952·8	..	17·8	15·2	13·0	15.2	74	..	1·3	..	3.2	0	0	17	0	3	6	8	0	0	0	0	14	0
	0530	,,	1015·1	952·8	..	16·1	14·3	12·9	15.2	82	..	1.8	..	2·5	0	0	13	2	1	4	5	0	0	0	1	18	0
	0830	,,	1017·1	955·1	+0·8	18·4	15.9	14·3	16.5	77	+7	3.3	+1.1	4·2	0	0	18	2	1	3	11	1	0	0	0	13	0
	1130	,,	1015·4	955·0	..	25·4	17.8	12·6	14·9	46	..	3·0	..	11·1	0	2	29	0	1	9	17	2	2	0	0	0	0
	1730	,,	1011·8	951·7	..	26·4	17·3	10.4	13.1	39	..	3·4	..	11·0	0	1	30	0	4	11	15	1	0	0	0	0	0
	2330	,,	1015·8	954·0	..	19·9	15·5	12·8	15·2	67	..	1.3	..	4·3	0	0	22	1	9	5	6	1	0	0	0	9	0
Khammam . .	0830	112	1016·9	1004·0	..	20·4	19·4	17·9	20·5	82	..	3·3	..	0·4	0	0	4	0	0	4	0	0	0	0	0	27	0
	1730	,,	1012·2	999·6	..	28·8	20·5	14·9	16·9	44	..	4·2	..	3·4	0	0	24	0	1	21	1	0	0	1	0	27	0

(R) Register not received.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressures in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed, in km. per hour	Wind speed (km. p.h.): 62 or more	20 to 61	1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Telangana—*Contd.* Mahbubnagar	0830	505	1015·9	958·9	..	21·5	17·0	14·6	16·6	66	..	2·8	..	7·1	0	0	31	0	8	19	3	0	1	0	0	0	[illegible]
	1730	,,	1013·7	955.4	..	26·9	17·3	9·9	12·2	36	..	3·3	..	6·9	0	0	30	0	4	19	4	3	0	0	0	[illegible]	0
Rayalaseema Kurnool	0830	281	1016 1	984·3	+0.2	20·7	17·9	16·1	18·3	75	+6	2.5	+0·8	4.0	0	0	31	1	2	0	10	0	9	0	9	0	3
	1730	,,	1011·3	980·4	..	29.3	20·3	14·2	16·2	42	..	3.0	..	6·7	0	0	31	2	9	3	11	2	1	0	1	0	2
Nandyal . (R)	0830		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(R)	1730		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Anantapur . .	0530	350	1013.9	973.7	..	18·4	16.0	14.5	16.5	77	..	1·7	..	1·0	0	0	6	0	1	5	0	0	0	0	0	25	0
	0830	,,	1016·0	976·0	−0.9	21·1	17.5	15·0	17·0	68	0	2·6	+1·2	3·0	0	0	11	0	1	8	1	1	0	0	0	20	0
	1130	,,	1014 9	975·7	..	26·3	19·2	14·3	16·3	48	..	3 0	..	12·6	0	5	23	0	3	23	2	0	0	0	0	3	0
	1430	,,	1011·0	972.3	..	28·7	19·5	13·1	15·1	39	..	3·0	..	14·2	0	7	23	0	3	25	2	0	0	0	0	1	0
	1730	,,	1010·8	972·0	..	28·0	19·3	13·3	15·3	41	..	2·8	..	14·6	0	7	23	0	2	28	0	0	0	0	0	1	0
	2030	,,	1013.6	974.2	..	24·8	18·7	14.5	16·5	53	..	1·3	..	13·0	0	6	24	0	0	30	0	0	0	0	0	1	0
	2330	,,	1014.3	974.7	..	23·2	18·3	14·8	16 8	60	..	1·0	..	14·3	0	6	24	0	1	24	5	0	0	0	0	1	0
Cuddapah . .	0830	130	1016·4	1001.4	+0.6	22·3	19·5	17·8	20·4	76	−2	2·0	+0.2	0·6	0	0	5	0	0	5	0	0	0	0	0	26	0
	1730	,,	1012·2	997·5	..	28·0	20·5	15·8	17·9	48	..	3·2	..	4·0	0	0	24	0	0	23	1	0	0	0	0	7	0
Arogyavaram .	0830	701	1016·3	937·6	..	19·0	16·6	15·1	17.1	80	..	3·6	..	4·6	0	0	26	2	1	0	15	6	2	0	0	5	0
	1730	,,	1011·4	934·5	..	24·1	18·2	13·2	15.2	52	..	4·3	..	9·6	0	0	31	1	8	15	4	1	2	0	0	0	0
Madras State (*Including Pondicherry*) Madras . . .	0830	6	1015.9	1015·2	..	24·9	21·6	19·7	23·1	74	..	3·6	..	4·4	0	0	19	4	11	3	0	0	0	0	0	12	1
	1730	,,	1012·8	1012·1	..	25·9	21·5	19·5	22·2	66	..	2·8	..	7·9	0	0	29	4	19	3	3	0	0	0	0	2	0
Madras (Minambakkam)	0230	16	1013.5	1011·7	..	21·9	20·9	19·3	22·4	86	..	1·6	..	3·7	0	0	22	6	2	1	1	1	0	6	5	9	0
	0530	,,	1013·7	1011·9	..	21.1	20·0	19.3	22·4	90	..	2·2	..	4·9	0	0	27	3	3	1	1	0	0	13	6	4	0
	0830	,,	1016·0	1014·2	+0.6	23·4	21·2	19·9	23·2	81	−3	3·5	+0.4	5·5	0	0	28	4	3	2	0	0	0	6	13	3	0
	1130	,,	1015·7	1013·9	..	27·5	21·8	18·6	21·6	59	..	4·2	..	11.7	0	1	29	3	12	15	0	0	0	0	0	1	0
	1430	,,	1012·9	1011·1	..	27.6	21·7	18·3	21·0	57	..	3·7	..	13·0	0	2	29	1	17	12	0	0	0	0	0	0	1
	1730	,,	1013·0	1011·2	..	26·2	21·3	18·5	21·3	63	..	2·9	..	12·1	0	1	30	4	19	8	0	0	0	0	0	0	0
	2030	,,	1015.1	1013.3	..	24·2	20.9	19.1	22.1	73	..	1.7	..	6.2	0	0	27	11	10	6	0	0	0	0	0	4	0
	2330	,,	1015·1	1013·3	..	23.1	20·6	19·2	22·2	79	..	1·7	..	5·5	0	0	26	9	10	5	0	0	0	0	2	5	0
Vellore . . .	0530	214	1014·3	989·5	..	18·8	18·2	17·8	20·4	97	..	1.9	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	0830	,,	1016.2	991.5	+0.5	20·5	19·1	18·2	20.9	87	+1	4·2	+1.4	0·6	0	0	7	2	0	0	0	0	0	2	3	24	0
	1130	,,	1015·9	991·6	..	25·7	20·4	17·0	19 5	59	..	5·0	..	5·5	0	0	29	5	16	4	1	0	1	1	1	2	0
	1730	,,	1012.0	987.9	..	27·2	19·7	14·7	16·8	47	..	4·2	..	9·7	0	2	28	1	18	9	2	0	0	0	0	1	0
	2330	,,	1015·6	991.2	..	22·1	19·4	17·6	20·3	76	..	1·3	..	3·0	0	0	19	1	13	5	0	0	0	0	0	12	0
Tambaram (Aerodrome) . .	0830	29	1015·5	1012·2	..	23·9	22·3	21·2	25·2	86	..	3·9	..	6·3	0	0	29	8	4	0	0	0	0	8	9	2	0
	1730	,,	1012·4	1009·2	..	26·1	21·7	19·1	22·1	65	..	3·2	..	23·1	0	15	16	2	20	9	0	0	0	0	0	0	0
Tiruppattur . .	0830	390	1016·0	971·2	..	18·3	17.9	17·3	19·7	98	..	7·5	..	2.3	0	0	30	14	15	1	0	0	0	0	0	1	0
	1730	,,	1011 2	967.1	..	26·2	22·3	20·0	23·4	70	..	8·0	..	6·0	0	0	31	6	21	2	0	2	0	0	0	0	0
Mettur Dam R.S. .	0830	,,	..	..	..	23·0	20 6	19·2	22·2	79	..	3·3	..	4·0	0	0	30	0	15	0	2	0	0	0	13	1	0
	1730	,,	..	..	..	26.4	22·8	21.0	24·9	72	..	4·5	..	4·3	0	0	31	0	13	0	11	0	3	0	4	0	0
Cuddalore . .	0530	12	1012·6	1011.6	..	21·1	20·1	19·5	22·7	91	..	4·4	..	0·7	0	0	5	3	2	0	0	0	0	0	0	26	0
	0830	,,	1015·3	1014·0	+0.3	23·3	21·3	20·2	23·7	83	−1	5·0	+1.5	4·6	0	0	26	8	16	1	1	0	0	0	0	5	0
	1130	,,	1015·2	1013·8	..	26·9	22.3	19·9	23·2	66	..	5.0	..	9·7	0	2	29	8	22	0	0	0	1	0	0	0	0
	1730	,,	1012·5	1011.9	..	25·8	21·9	19.8	23·1	70	..	3·8	..	14·3	0	7	23	0	29	0	1	0	0	0	0	1	0
	2330	,,	1014·4	1013.1	..	24·4	21·2	19·5	22·7	76	..	4·2	..	7·6	0	2	24	0	26	0	0	0	0	0	0	5	0
Kallakkurichchi .	0830	127	1015·8	1001·0	..	22·7	20·4	19·0	22·0	79	..	3·8	..	7·3	0	0	31	8	0	0	0	0	0	0	23	0	0
	1730	,,	1011·7	997·4	..	27·4	20.8	16·7	19·0	56	..	3·8	..	11·5	0	1	30	1	29	0	0	0	0	0	1	0	0
Salem . . .	0530	278	1013·4	981·5	..	19·7	17.3	15·7	17·8	78	..	2·4	..	2·9	0	0	11	0	1	10	0	0	0	0	0	20	0
	0830	,,	1015·6	983·9	+0·4	21·9	18·3	16·1	18·3	79	+1·0	3·5	−6	1·5	0	0	10	1	1	8	0	0	0	0	0	21	0
	1130	,,	1014·4	983·3	..	27·5	19·7	14·9	16 9	48	..	4·2	..	9·6	0	2	27	0	10	18	1	0	0	0	0	2	0
	1730	,,	1010·8	979·5	..	28·0	19·5	13·7	15·7	42	..	4.4	..	8·1	0	0	30	0	8	21	1	0	0	0	0	1	0
	2330	,,	1014·3	982·7	..	22·7	18·6	15·7	17·8	65	..	1·8	..	12·5	0	3	25	0	5	23	0	0	0	0	0	3	0
Coimbatore (Pilamedu) . .	0530	399	1014·0	968·2	..	18·3	17·2	16·5	19·0	90	..	3·2	..	8.0	0	1	22	9	9	5	0	0	0	0	0	8	0
	0830	,,	1015·9	970·5	..	20·9	18 6	16·9	19·5	79	..	3·2	..	11·9	0	1	27	8	17	3	0	0	0	0	0	3	0
	1130	,,	1014·7	970·0	..	25·1	19·0	15·0	17·2	54	..	4·1	..	18·0	0	12	19	6	22	3	0	0	0	0	0	0	0
	1730	,,	1010·5	966·3	..	27·2	18·9	12.9	15·1	42	..	3·6	..	16.6	0	7	24	1	22	8	0	0	0	0	0	0	0
	2330	,,	1014·5	969·2	..	20.8	17·7	15·4	17·5	72	..	1·6	..	12·8	0	4	26	1	16	12	0	0	0	1	0	1	0
Coimbatore . .	0830	409	1015·7	969.3	+0·6	21·4	18·5	16·6	18·9	75	−5	3·7	+0·3	19·4	0	17	14	8	8	7	8	0	0	0	0	0	[illegible]
Nagapattinam .	0830	9	1015·3	1014.2	+0.8	24.9	21.5	19.6	22·8	73	−6	4·0	−0·3	14·1	0	10	21	5	17	0	0	0	0	1	[illegible]	[illegible]	[illegible]
	1730	,,	1012·1	1011·0	..	26.3	22·3	20·2	23·7	69	..	4.1	..	21·0	0	24	7	4	26	0	1	0	0	0	0	[illegible]	[illegible]

(R) Register not received.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km.p.h.): 62 or more	Wind speed (km.p.h.): 20	Wind speed (km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madras State (*including Pandicherry*)																											
Tiruchirapalli	0230	88	1013·0	1002·9	..	21·1	20·2	19·3	22·4	89	..	1·4	..	9·7	0	2	25	14	12	1	0	0	0	0	0	4	0
	0530	,,	1012·9	1002·8	..	20·5	19.4	18·7	21·6	90	..	1·8	..	7·7	0	0	20	10	9	0	0	0	0	0	1	11	0
	0830	,,	1015·1	1005 0	—0·1	23·4	20·6	18.9	21·8	76	—4	2·8	—0·1	12·8	0	7	20	16	9	0	0	0	0	0	2	4	0
	1130	,,	1014·6	1004·7	..	27·3	21·6	18·3	21·0	58	..	4·5	..	18·6	0	11	20	4	23	3	0	0	0	0	1	0	0
	1430	,,	1011·3	1001·4	..	29·0	21·7	17·5	20·0	51	..	4·5	..	19·4	0	15	16	2	24	5	0	0	0	0	0	0	0
	1730	,,	1011·1	1001.1	..	27·8	21·5	17·9	20·5	55	..	3·6	..	17·1	0	8	23	0	18	13	0	0	0	0	0	0	0
	2030	,,	1013·7	1003·6	..	23·6	21.0	19·5	22·7	78	..	0·8	..	13·2	0	2	28	0	18	12	0	0	0	0	0	1	0
	2330	,,	1014.4	1004.2	..	22.0	20 5	19·6	22 8	87	..	0·6	..	9.8	0	0	29	4	22	3	0	0	0	0	0	2	0
Vedaranniyam	0830	4	1014.7	1014.2	..	25·8	22·4	20·5	24 1	73	..	2·1	..	5·8	0	0	31	14	16	0	1	0	0	0	0	1	0
	1730	,,	1011.3	1010.8	..	26.9	23.3	20·7	24.4	72	..	1·8	..	5.5	0	0	31	11	19	0	1	0	0	0	0	0	0
Atirampattinam	0830	6	1014 8	1014·1	..	23·0	21·2	20·1	23·5	84	..	2·6	..	7·7	0	0	30	19	1	0	0	0	0	0	10	1	0
	1730	,,	1011·5	1010·8		27·3	21·5	18·8	21·7	60	..	3·0	..	12·5	0	3	28	3	28	0	0	0	0	0	0	0	0
Madurai	0830	133	1015·3	999·9	+0·4	23·0	20 0	18·5	21·3	71	—8	3·0	—0·6	4.4	0	0	31	16	8	0	0	0	0	0	7	0	0
Madurai (Aerodrome)	0530	131	1013·3	998·1	..	20 9	19·7	19 0	22 0	89	..	1·7	..	7·8	0	0	27	7	20	0	0	0	0	0	0	4	0
	0830	,,	1015·4	1000·3	..	23·8	20·7	19·0	22·0	75	..	2·0	..	9·0	0	0	31	16	14	1	0	0	0	0	0	0	0
	1130	,,	1014·6	999·7	..	27·4	21 5	18·1	20·8	57	..	3·1	..	15·7	0	7	24	3	27	1	0	0	0	0	0	0	0
	1730	,,	1011·0	996·3	..	28·0	21 5	17·7	20·2	54	..	3·1	..	14·2	0	5	26	0	26	5	0	0	0	0	0	0	0
Tondi	0830	5	1015·0	1014·4	..	23·5	20·9	19·4	22·5	78	..	3·0	..	9·6	0	0	31	31	0	0	0	0	0	0	0	0	0
	1730	,,	1011·6	1011·0	..	26·7	22·8	20·7	24·4	70	..	3·4	..	27·2	0	30	1	0	23	8	0	0	0	0	0	0	0
Pamban	0830	11	1014 3	1013·0	+0·2	25·5	23·2	22·4	27·1	82	—1	5·4	+2·1	12·1	0	6	25	8	17	5	0	0	0	0	1	0	0
	1730	,,	1011·1	1009·8	..	26 2	23.7	22 5	27·3	80	..	5·0	..	12 8	0	3	28	7	22	2	0	0	0	0	0	0	0
Tuticorin	0830	4	1014·9	1014·5	+0·2	24·6	21·6	19·9	23·2	75	—2	1·9	—1·0	17·0	0	9	22	18	9	0	0	0	0	0	4	0	0
	1730	,,	1010·8	1010·4	..	27·0	23·7	22·1	21·6	75	..	3·7	..	32 2	0	30	1	0	18	13	0	0	0	0	0	0	0
Palayankottai	0830	51	1015·1	1009·2	+0.7	24·5	21·0	19·0	22·0	72	—4	5·0	+0·8	8 5	0	0	31	30	1	0	0	0	0	0	0	0	0
	1730	,,	1010.4	1004·7	..	29·2	22·0	17·9	20·5	51	..	4·5	..	10 2	0	0	31	10	9	10	1	0	0	0	0	0	1
Kanniyakumari	0830	37	1013 3	1009·2	..	25·6	21·0	18 2	20·9	64	..	2·6	..	31 6	1	27	3	13	18	0	0	0	0	0	0	0	0
	1730	,,	1009 7	1005·6	..	27·3	22·8	20 4	23 9	67	..	3·7	..	27·0	0	25	6	0	19	12	0	0	0	0	0	0	0
Coastal Mysore																											
Karwar	0830	4	1014.5	1014·0	+0·8	21·6	18·8	16·9	19·3	75	—1	1·7	0	4·6	0	0	27	0	2	15	3	0	0	1	1	4	5
	1730	,,	1010·7	1010 2	..	29 6	22.0	19 9	23·2	51	..	2·0	..	8 4	0	1	30	0	0	1	6	2	2	1	18	0	1
Honavar	0830	26	1014 4	1011 4	+0·2	22 3	18 6	15.9	18·1	71	+2	3·8	+1·2	7 7	0	0	28	1	3	24	0	0	0	0	0	3	0
	1730	,,	1010 2	1007 4	..	29·4	23.4	19·2	22·2	57	..	3·2	..	7·6	0	0	31	0	2	3	0	0	1	20	3	0	0
Mangalore (Bajpe)	0230	102	1011·9	1000·2	..	21·9	20 0	18 9	21·8	83	..	0·6	..	5·0	0	0	26	1	3	19	2	0	0	1	0	5	0
	0530	,,	1011·8	1000 1	.	21·0	18·9	17·5	20·0	81	..	1·4	..	6·4	0	0	30	0	1	25	4	0	0	0	0	1	0
	0830	,,	1013·9	1002 2	.	23·6	19·5	16 8	19·3	67	..	2·1	..	6·5	0	0	30	0	1	29	0	0	0	0	0	1	0
	1130	,,	1013·5	1002.2	..	29·5	20·5	14 3	16·3	41	..	2·6	..	9·3	0	3	27	0	5	21	3	0	0	1	0	1	0
	1430	,,	1010 0	998·7	..	31·5	21.2	14·4	16·4	38	..	2·7	..	9·0	0	0	30	0	2	6	5	0	2	10	4	1	0
	1730	,,	1009·7	998·2	..	28·5	21·7	17 6	20·4	53	..	2·6	..	10·4	0	0	31	0	1	0	0	0	0	21	9	0	0
	2030	,,	1012·2	1000·9	..	24 9	21 5	19 5	22 9	72	..	1·5	..	5·2	0	0	28	1	0	0	0	0	0	9	18	3	0
	2330	,,	1012·9	1001·3	..	23 7	21 0	19 5	22·7	77	..	0·8	+0.1	3·1	0	0	20	9	1	2	1	0	0	0	7	11	0
Mangalore	0830	22	1014·0	1011·5	+0·2	24 0	20 0	17·6	20·1	68	0	2·1	..	5·1	0	0	31	0	3	22	6	0	0	0	0	0	0
	1730	,,	1010·1	1007·6	..	29·0	23·7	20 9	24 7	63	..	2·2	..	6·0	0	0	31	0	0	0	0	0	7	4	9	0	11
Interior Mysore (North)																											
Bidar	0830	664	1016·3	941·7	..	19·9	16 8	14·8	16 8	73	+14	2·2	+0·1	8·0	0	0	28	0	2	7	9	10	0	0	0	3	0
	1730	,,	1011·4	938·5	..	25 6	17·5	11 9	13·9	43	..	2·2	..	11·1	0	0	30	0	20	5	3	1	1	0	0	1	0
Gulbarga	0830	458	1016·3	963·5	-0·3	20 5	15 6	11 5	13·7	58	+2	2·4	+1·1	4·6	0	0	17	0	2	12	3	0	0	0	0	14	0
	1730	,,	1010·9	960·2	.	28·5	17·3	8·9	11·4	31	..	3 0	..	9·4	0	2	29	0	1	20	7	2	1	0	0	0	0
Bijapur	0830	594	1015·5	948·7	+0·2	19·1	15.4	12·7	14·7	67	+7	2·1	+0 6	2·0	0	0	23	1	0	3	14	3	0	1	1	8	0
	1730	,,	1010·7	945 7	..	27 3	17·7	11·3	13·4	37	..	3·9	..	2·0	0	0	28	3	7	3	8	4	0	1	2	3	0
Raichur	0830	400	1015·9	970·6	+0·4	21·7	17·7	14·9	16·9	65	+1	4·2	+2·7	4·1	0	0	21	1	5	1	8	3	1	0	2	10	0
	1730	,,	1010·9	966·2	..	28·0	18·3	10.5	12·7	34	..	3·8	..	6·2	0	0	30	0	13	0	15	0	1	0	1	1	0
Belgaum	0830	753	1015·1	930·8	—2·3	18·4	14·7	11·7	13·7	67	+4	2·0	+0·5	1·1	0	0	8	0	0	8	0	0	0	0	0	23	0
	1730	,,	1009·7	928.0	..	26·4	16·6	8·8	11·3	35	.	2·3	..	5·7	0	0	31	0	3	19	8	0	0	1	0	0	0
Belgaum (Sambra)	0530	747	1013.5	929·6	..	17·1	13.3	10·1	12.3	65	..	1·7	..	5.0	0	0	23	1	5	10	4	1	0	1	1	8	0
	0830	,,	1015.2	931·8	..	19.4	14.8	11.4	13.5	60	..	2.5	..	6·1	0	0	24	1	1	9	12	0	0	0	1	7	0
	1130	,,	1014·0	932.0	..	24.5	16.4	10·2	12.8	42	.	2.4	..	13.9	0	7	24	0	6	7	12	4	2	0	0	0	0
	1430	,,	1010.0	929·0	..	27·1	16·5	8.0	11.1	32	..	3.3	..	12·0	0	3	28	0	7	11	7	4	1	1	0	0	0
	1730	,,	1009·7	928·6	..	26·7	16·3	7·7	10.9	32	..	3·2	..	8·3	0	1	29	0	9	12	4	2	2	1	0	1	0
	2030	,,	1012·9	930.5	..	22·2	14.9	8.6	11.6	44	..	1.9	..	6.2	0	0	28	0	8	9	5	0	3	3	0	3	0
Gadag	0530	,,	1013 9	940·6	..	17.6	15·0	13.1	15.1	75	..	1·1	..	5·3	0	0	25	0	1	15	7	0	1	1	0	6	0
	0830	650	1015·6	942.0	+0·1	19 2	16.2	14.2	16·4	69	+7	1·9	+0·5	4.0	0	0	26	0	6	15	5	0	0	0	0	5	0

(b) Mean of 29 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km.p.h.): 62 or more	Wind speed (km.p.h.): 20 to 61	Wind speed (km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Interior Mysore (North)—*Contd.*																											
Gadag—(*Contd.*)	1130	650	1014·3	942·9	..	25·7	18·8	14·5	16·7	51	..	2·4	..	11·0	0	4	27	0	12	9	7	0	1	1	1	0	0
	1430	,,	1010·5	939·8	..	28·1	19·2	13·5	15·7	42	..	2·6	..	11·5	0	4	26	0	3	11	5	0	0	1	0	1	0
	1730	,,	1010·6	939·5	..	27·3	18·6	12·8	15·2	42	..	2·5	..	6·2	0	1	28	0	15	12	0	0	2	0	0	2	0
	2030	,,	1013·5	941·4	..	22·8	16·9	12·8	14·7	54	..	0·9	..	7·0	0	1	28	0	10	16	0	0	0	3	0	2	0
	2330	,,	1014·5	941·7	..	20·3	15·8	12·5	14·5	62	..	1·0	..	6·0	0	0	29	0	4	18	3	0	0	4	0	2	0
Interior Mysore (South)																											
Bellary	0830	449	1016·2	965·5	+1·0	20·0	17·0	14·7	16·7	71	+7	3·0	+0·9	5·3	0	0	29	1	0	4	21	3	0	0	0	2	0
	1730	,,	1010·6	961·2	..	28·3	18·8	11·6	13.8	36	..	4·0	..	6·7	0	0	31	2	0	2	27	0	0	0	0	0	0
Chitradurga	0830	733	1015.1	933·4	+0·4	19·9	16·2	13·7	15·7	68	+6	2·8	+0·6	5·0	0	0	28	0	0	20	6	1	1	0	0	3	0
	1730	,,	1009.5	929·9	..	23·2	16·8	9·6	11·9	35	..	2·6	..	2·6	0	0	19	0	0	19	0	0	0	0	0	12	0
Shimoga	0830	571	1015.5	950·7	+0·3	18·2	15·6	13·5	15·5	75	—1	3·6	+1·2	2·6	0	0	30	5	3	6	3	5	5	3	0	1	0
	1730	,,	1009.0	945·3	..	27·5	17·8	10·	12·3	34	..	2·6	..	8.0	0	0	29	1	5	17	3	2	0	0	1	2	0
Agumbe	0830	..	..	..	..	18·7	16·0	14·2	16·2	76	..	..	..	8·5	0	1	30	1	12	9	9	0	0	0	0	0	0
Balehonnur	0830	..	..	..	..	19·4	16·0	13·6	15·6	69	—4	..	..	..	..	..	..	.	..	..		..		..	..	..	..
Hassan	0830	960	1525·3	908·9	..	16·0	14·5	13·5	15.5	85	+13	3·0	+0·5	3·0	0	0	31	1	1	21	5	0	1	1	1	0	0
	1730	,,	1512·8	905·7	..	24·8	16·0	9·0	11·8	38	..	3.0	..	2·4	0	0	30	0	4	14	10	0	1	1	0	1	0
Bangalore	0230	921	1516.2	911·7	..	16·2	15·1	14·3	16·4	89	..	2·2	..	7·3	0	0	26	0	2	23	1	0	0	0	0	5	0
	0830	,,	1532·4	913·6	+0·5	17·0	15·5	14·4	16·5	85	+7	4·1	+1·1	6·8	0	0	26	0	1	22	3	0	0	0	0	5	0
	1130	,,	1542·6	913.4	..	22·7	16·5	12·1	14.4	52	..	3·8	..	11·7	0	4	26	0	1	25	4	0	0	0	0	1	0
	1430	,,	1522·7	910.8	..	25·0	16·9	11·0	13·5	43	..	3·7	..	9.0	0	0	29	0	3	22	4	0	0	0	0	2	0
	1730	,,	1517.6	910.6	..	23.5	16.4	11·3	13.6	47	..	3.7	..	8.3	0	1	26	0	3	22	2	0	0	0	0	4	0
	2030	,,	1527.3	912.4	..	19.7	15·8	13.0	15.2	65	..	1.1	..	6.3	0	0	27	0	1	22	4	1	0	0	0	4	0
Bangalore (Aerodrome)	0530	897	1507·7	9.4·1	..	15·0	14·4	14·0	16·0	94	..	3·1	..	4·0	0	0	17	0	1	15	1	0	0	0	0	14	0
	0830	,,	1532·2	916·2	..	16·8	15·5	14·6	16·6	87	..	4·3	..	8·5	0	0	26	0	0	21	4	1	0	0	0	5	0
	1130	,,	1543.1	916.0	..	22·6	16·4	12.0	14·0	52	..	4·0	..	14.0	0	2	27	0	2	22	5	0	0	0	0	2	0
	1730	,,	1516·8	913·0	..	23·8	16·6	11·6	13·7	47	..	3·2	..	12·4	0	1	28	0	2	24	3	0	0	0	0	2	0
	2330	,,	1526·7	915·6	..	17·2	15·3	13·9	15·9	81	..	0·8	..	9·4	0	0	29	0	2	24	3	0	0	0	0	2	0
Mysore	0830	767	1016·0	930·0	+0.6	18·4	15·8	14·4	16·4	76	+5	3·4	+0·7	12·5	0	6	25	0	9	13	1	3	2	0	2	0	1
	1730	,,	1010·0	926·4	..	26·0	16·5	9·3	11·7	34	..	1·5	..	14·2	0	8	23	3	8	14	2	0	2	1	1	0	0
Kerala																											
Calicut	0530	5	1011·8	1011·2	..	21·8	20·9	19·1	22·1	85	..	0·7	..	4·5	0	0	26	0	6	20	0	0	0	0	0	5	0
	0830	,,	1013·4	1012·8	—0.1	22·9	19·7	17·7	20·2	73	—5	1·8	—0·4	6·0	0	0	28	0	2	26	0	0	0	0	0	3	0
	1130	,,	1013·8	1013·2	..	29·0	22·0	17·9	20·8	53	..	1·7	..	4·3	0	0	27	0	1	2	1	1	12	10	0	4	0
	1730	,,	1010·2	1000·6	..	29·4	23·6	20·6	24·4	60	..	1·9	..	8·0	0	0	31	0	0	0	0	0	3	19	9	0	0
	2330	,,	1012·7	1012·1	..	24·8	21·9	20·2	23·8	76	..	0·4	..	3·0	0	0	19	3	9	5	0	0	0	0	2	12	0
Palghat	0830	97	1014·0	002·9	..	24·5	20·1	17·4	19·9	65	..	1·8	..	9·9	0	1	28	0	0	29	0	0	0	0	0	2	0
	1730	,,	1009·3	998·4	..	30·0	21·0	15·2	17·3	41	..	1·8	..	6·3	0	0	23	0	0	23	0	0	0	0	0	8	0
Fort Cochin	0830	3	1013·6	013·3	+0·4	26·1	21·4	18·4	21·1	64	—6	4·5	+2·6	6·9	0	0	31	0	15	14	2	0	0	0	0	0	0
	1730	,,	1009·6	1009.3	..	28·2	23·1	21·2	25·2	64	..	4·8	..	8·8	0	0	31	0	0	0	0	0	1	20	10	0	0
Cochin (Naval Air Station)	0230	3	1011·7	1011·4	..	23·3	21·5	20·5	24·3	84	.	1·9	..	0·3	0	0	1	0	0	0	1	0	0	0	0	30	0
	0530	,,	1011·4	1011·1	..	22·0	20·3	19·2	22·5	84	..	2·3	..	1·0	0	0	6	0	4	2	0	0	0	0	0	25	0
	0830	,,	1013·6	1013·3	..	24·6	21·3	19·3	22·9	73	..	2·6	..	3·7	0	0	14	0	7	6	1	0	0	0	0	17	0
	1130	,,	1013·5	1013·2	..	29·2	22·7	18·9	22·4	55	..	2·8	..	5·8	0	0	20	2	6	9	0	0	0	0	3	11	0
	1730	,,	1009·6	1009·3	..	29·0	23·6	20·7	24·9	63	..	2·8	..	11·2	0	0	31	0	0	0	0	0	7	20	4	0	0
	2330	,,	1012·7	1012·4	..	24·6	22·4	21·3	25·5	82	..	1·7	..	2·1	0	0	9	0	2	4	2	0	0	0	1	22	0
Alleppey	0830	4	1013·3	1012·9	+0·6	24·6	21·3	19·4	22·5	74	—1	2·8	—0·9	5·1	0	0	3	0	0	14	17	0	0	0	0	0	0
	1730	,,	1009·5	1009·1	..	29·5	23·8	20·8	24·6	60	..	3·0	..	18·6	0	13	18	1	0	0	0	0	3	8	19	0	0
Punalur	0830	34	1012·9	1009·0	..	23·9	21·2	19·9	23·2	78	..	3·1	..	1·4	0	0	12	0	0	2	3	4	3	0	0	19	0
	1730	,,	1009·1	1005·3	..	29·4	25·1	23·2	28·3	69	..	5·3	..	4·0	0	0	31	0	0	2	4	12	10	2	1	0	0
Trivandrum	0230	64	1010·9	1003·6	..	24·0	21·3	19·7	22·9	78	..	0·9	..	2·3	0	0	11	3	4	2	0	0	1	0	1	20	0
	0530	,,	1011·0	1003·6	..	23·2	20·6	19·1	22·1	89	..	2·1	..	6·3	0	0	29	8	15	3	0	0	0	0	2	2	1
	0830	,,	1013·1	1005·7	+0·2	25·3	21·0	18·4	21·1	66	—11	2·6	0	4·5	0	0	25	1	20	3	0	0	0	0	1	6	0
	1130	,,	1012·5	1005·3	..	30·6	21·9	16·5	18·8	44	..	2·7	..	5·0	0	0	27	2	8	1	3	2	4	4	3	4	0
	1430	,,	1009·7	1002·5	.	30·3	22·9	18·8	21·7	51	..	2·9	..	0·9	0	0	31	0	1	0	2	3	16	6	3	0	0
	1730	,,	1009·8	1002·6	..	28·7	22·9	19·9	23·2	59	..	3·2	..	7·7	0	0	31	1	1	0	0	3	16	8	2	0	0
	2030	,,	1012·2	1004·9	..	26·1	22·7	21·0	24·9	74	..	2·0	..	3·9	0	0	20	3	1	0	0	0	5	4	7	11	0
	2330	,,	1012·5	1005·2	..	25·0	22·1	20·5	24·1	78	..	2·1	..	4·6	0	0	24	5	8	2	2	0	2	0	5	7	0
Trivandrum (Aerodrome)	0830	8	1013·3	1012·4	..	26·4	21·1	17·8	20·8	60	..	2·9	..	8·2	0	0	22	2	13	4	1	0	0	0	0	9	2
Arabian Sea Islands																											
Amini	0530	4	1011·3	1010·9	..	23·5	21·6	20·5	24·1	84	..	1·4	..	1·4	0	0	12	0	9	1	0	0	0	0	1	19	1

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed, in km. per hour	Wind speed (km. p.h.): 62 or more	20 to 61	1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Kerala—(*Contd.*)																											
Amini—(*Contd.*)	0830	4	1013·7	1013.2	..	25·2	22·6	21·2	25·2	79	+6	2·0	−0·9	3·0	0	0	21	8	12	0	1	0	0	0	0	10	0
	1130	,,	1014·0	1013.5	..	30·1	24·1	21·2	25·2	59	..	2·4	..	6·1	0	0	28	6	12	3	1	0	0	0	2	3	4
	1730	,,	1010·7	1010·2	..	28·9	23·6	20·9	24·7	62	..	2·6	..	4 5	0	0	28	4	15	5	0	0	0	1	0	3	3
	2330	,,	1013·0	1012·5	..	23·9	21·8	20·7	24·4	83	..	0·8	..	1.0	0	0	7	0	3	1	0	0	0	1	2	24	0
Minicoy	0530	2	1011·2	1011·0	..	22·8	21·4	20·7	24·4	88	..	2·6	..	1·5	0	0	8	1	3	2	0	0	0	1	1	23	0
	0830	,,	1013·2	1013·0	+0.3	25·8	23·1	21·7	26·1	79	+5	3·5	+0·6	3·5	0	0	2.	3	7	7	1	1	0	0	2	10	0
	1130	,,	1013·5	1013·3	..	29·2	24·1	21·6	25·8	63	..	3·5	..	7·8	0	0	31	3	7	15	2	0	0	1	3	0	0
	1430	,,	1010·7	1010·5	..	29·3	24·1	21·6	25·8	63	..	4·0	..	8·0	0	0	30	4	10	10	2	0	0	0	4	1	0
	1730	,,	1010·5	1010·3	..	28·2	29·8	21·6	25·9	68	..	3·8	..	6·4	0	0	28	0	15	9	1	0	0	1	2	3	0
	2030	,,	1012·4	1012·2	..	25·6	22·6	21·1	25·0	77	..	1·9	..	4·6	0	0	22	2	9	10	0	0	0	0	1	9	0
	2330	,,	10.2·6	1012·4	..	24·6	22·2	20·9	24·7	80	..	1·5	..	5·0	0	0	21	0	8	11	1	0	0	0	1	10	0
Hill Stations (excluding Kashmir)																											
Dalhousie	0830	1959	1463·0	80·4	+1·9	7·8	3·8	−1·4	5·4	54	−13	2·0	−1·2	1·9	0	0	19	1	9	1	5	0	0	0	2	12	1
	1730	"	1460·8	800·6	..	7·8	5·7	3·5	7·8	75	..	3·0	..	1·6	0	0	13	0	5	0	1	0	2	0	1	18	4
Dharmsala	0830	1211	1559·5	886·7	+0·7	11·7	6 9	0·6	6·4	49	−13	3·8	+0·2	1·3	0	0	20	7	7	2	0	0	0	2	2	11	0
	1730	,,	1557·9	886·1	..	13·9	9·4	4·5	8·4	54	..	4·5	..	2·1	0	0	31	0	3	0	0	1	23	4	0	0	0
Simla	0830	2202	1519·6	743·0	+1·3	6·6	1·2	-10·0	3·0	38	—5	2·4	−1·4	1·0	0	0	16	3	1	1	3	5	3	0	0	15	0
	1730	..	1510·3	782·3	..	7·2	3·3	−3·5	4·6	52	..	4·1	..	0·9	0	0	15	0	3	0	7	0	4	0	1	16	0
Lokpal	0830	..	..	..	..	-11·9	-15·1	-37·0	0·2	8	..	1·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Badrinath	0830	..	closed during winter months																								
Jochimath	0830	..	..	..	..	4·6	1·0	−5 6	3·8	50	..	2·8	..	6·1	0	0	30	0	2	15	8	2	2	1	0	1	0
	1730	..	..	..	..	9·7	5·0	−1·0	5·6	47	..	3·5	..	3·4	0	0	28	2	1	1	2	1	3	13	5	3	4
Mussoorie	0830	2042	..	..	..	7·2	2·4	−5·3	3·9	46	−10	2·2	−1·4	2·6	0	1	21	8	1	0	1	3	2	0	7	9	0
	1730		..	..	..	8·0	5·4	2·4	7·3	69	..	4·6	..	4 1	0	0	29	8	3	0	1	7	5	0	5	2	0
Mukteswar (Kumaun)	0830	2311	3124.7	773.9	+0.7	5.7	1.4	—6·5	3·5	48	−1	2.0	−1·1	9·0	0	2	24	0	5	3	1	0	0	8	9	5	0
	1730	,,	3113·7	772 6	..	6·6	3.5	-0.8	5.7	62	..	2.7	..	9·3	0	2	26	0	3	0	0	0	2	15	8	3	0
Nainital	0830	1953	1520·5	806·2	+0 6	5·6	1·6	—5·9	3·8	52	−14	1·9	-1.3	4·4	0	0	26	6	0	0	1	1	0	18	0	5	0
	1730	"	1497·0	804·7	..	7·0	4·6	—0·1	6·1	62	..	3·2	..	8·1	0	0	31	1	0	3	3	2	2	20	0	0	0
Kalimpong	0830	1209	..	..	..	14·8	13.5	12.5	14.5	87	+12	2·1	−0·3	5·0	0	0	31	0	0	0	11	0	4	0	16	0	0
	1730	,,	..	..	..	15·1	13 8	12·9	14·9	86	..	2·1	..	4·4	0	0	31	0	0	0	6	0	7	0	8	0	0
Darjeeling	0830	2128	1553·3	793·2	+3.9	5·9	4·8	3·6	7·9	85	+21	4·2	+0.8	0·8	0	0	8	2	2	0	0	0	4	0	0	23	0
	173	,,	1521·8	790·5	..	7·2	6·2	5·2	8·8	87	..	5·7	..	0·5	0	0	3	0	0	0	0	0	3	0	0	28	0
Kohima	0830	1406	1562·0	866.0	..	11·5	10·2	9·0	11·5	88	..	1·5	..	2·0	0	0	31	0	0	0	5	0	1	1	24	0	0
	1730	,,	1539·6	863·6	..	13·3	12.4	11.7	13·7	92	..	3·8	..	2·5	0	0	31	0	0	0	0	0	4	3	23	0	1
Shillong	0830	1500	1540·4	854·3	+1.7	12.9	8·7	4·2	8·2	57	−13	1·9	+0.4	1·2	0	0	4	0	1	0	0	0	2	1	0	27	0
	1730	,,	1513·7	851.6	..	12·1	10.2	8·5	11·1	80	..	7.1	..	0·1	0	0	1	0	0	0	0	1	0	0	0	30	0
Cherrapunji (R)	0830	1313																									
(R)	1730	,,																									
Abu	0830	1195	..	..	..	12·9	9·9	6·9	9·9	67	+23	1·7	0	0·3	0	0	3	2	0	0	0	0	0	0	1	28	0
	1730	,,	..	..	..	18·1	11·4	4·6	8·5	40	..	2·5	..	0·1	0	0	2	1	0	0	0	0	0	0	1	29	0
Aijal	0830	..	..	..	..	15·2	11·3	7·8	10·6	61	..	1·5 (c)	..	4·9 (c)	0	0	31	0	1	22	1	1	1	5	0	0	0
	1730	..	..	..	..	16.7	12·2	8·3	10·9	59	..	1·8	..	4·7	0	0	28	0	0	0	0	0	9	15	4	0	0
Pachmarhi	0830	1075	1544.0	898.8	+1.1	13·8	10.6	7·5	10·5	66	+4	2·5	+0.6	1·1	0	0	15	1	6	0	3	3	1	1	0	16	0
	1730	,,	1530·2	896.4	..	19·8	12.9	6.2	9.9	43	..	3·3	..	2·0	0	0	27	5	11	1	0	0	2	2	6	4	0
Mahabaleshwar	0830	1382	1531·0	865·3	−0·1	15·4	11·0	6·8	9 9	57	+5	0·7	—0·3	10·5	0	1	30	0	7	0	22	0	1	1	0	0	0
	1730	,,	1516·0	863·5	..	21·5	14·3	8·3	11·1	44	..	1·1	..	9·8	0	0	3.	0	12	0	14	0	2	0	3	0	0
Mercara	0830	1152	1522·1	887.5	−0.3	15.4	13.8	12·6	14·6	81	+3	2·0	−1.4	13.6	0	6	25	0	14	17	0	0	0	0	0	0	0
	1730	,,	1508.1	885.5	..	22·3	14·8	8·8	11·3	41	..	2·1	..	5·0	0	0	31	1	19	8	0	0	0	0	2	0	1
Ootacamund	0830	2249	1544.1	780.8	+0·2	9·2	6·3	4·5	7·4	68	+10	1·1	−1·1	1·0	0	0	6	0	4	2	0	0	0	0	0	25	0
	1730	,,	1503·2	779.3	..	15·1	12·1	9·9	12·2	71	..	2·7	..	2·3	0	0	6	0	4	2	0	0	0	0	0	25	0
Coonoor (R)	0830	..																									
Kodaikanal	0830	2343	3152.9	772.1	+0·1	11·5	7·4	1·8	6·9	60	+5	3·5	+0·7	11·1	0	4	24	2	4	6	9	6	0	0	1	3	0
	1130	,,	3166.8	772.5	..	15·1	10·0	4·9	8·7	53	..	3·0	..	11·9	0	3	28	2	4	7	13	5	0	0	0	0	0
	1730	,,	3137·4	770·6	..	11·6	9·9	8·3	10 9	81	..	5·6	..	5·2	0	0	26	5	5	3	6	6	0	0	1	5	0
Nepal																											
Katmandu	0830	1324	1529·1	871·8	..	4·9	4·3	3·6	8·0	9·2	..	4·0	..	0·3	0	0	3	0	0	1	0	0	0	1	1	28	0
	1130	,,	1525·9	870 6	..	15·1	10·1	5·1	8·8	5·2	..	2.7	..	1·1	0	0	10	2	1	1	2	0	0	0	3	21	1
	1730	,,	1502·5	868·4	..	12·9	9·4	6·1	9·5	6·4	..	2·2	..	0·4	0	0	4	2	0	0	1	0	0	0	1	27	0
Sikkim																											
Lachen	0930	..	.	..	..	4·7	1·2	-4·3	4·3	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

(c) Means of 28 days. (R) Register not received.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew Point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hydrometeorological Observatories																											
Damodar Catchment																											
Tilaiya	0830	..	..	..	..	17·3	12·5	7·8	10·6	55	..	1·2	..	5.8	0	0	25	1	0	1	0	0	2	14	7	6	0
	1730	..	..	..	..	20·5	13·4	6·4	9·6	41	..	1·2	..	4·1	0	0	30	1	0	1	1	0	0	12	15	1	0
Hazaribagh	0830	615	1017·4	947·0	..	15·8	11·8	8·3	10·9	61	..	1·1	..	5·3	0	0	27	1	0	4	0	1	2	9	10	4	0
	1730	,,	1014·1	944·4	..	17·7	12·9	8·7	11·4	56	..	1·4	..	2·8	0	0	21	1	1	0	0	0	1	3	15	10	0
Konar	0830	..	..	..	..	18·2	13·5	9·2	11·6	57	..	1·8	..	6·1	0	1	28	2	0	0	2	0	0	12	13	2	0
	1730	..	..	..	..	20·0	15·6	12·2	14·2	61	..	0·8	..	8·4	0	2	29	2	0	2	1	0	0	9	17	0	0
Bokaro	0830	242	1017·5	989·1	..	14.8	11·4	8·0	10·7	64	..	0.6	..	3·3	0	0	25	1	0	0	0	0	3	14	7	6	0
	1730	..	1013.4	985.9	..	21·2	14·8	9·0	11·5	47	..	0·5	..	4·1	0	0	28	13	5	0	0	0	0	0	10	3	0
Maithon	0830	..	..	..	..	20·2	14·4	9·3	11·7	50	..	1·2	..	3·6	0	0	31	1	3	0	1	1	7	3	15	0	0
	1730	..	..	..	..	24·6	15·8	8·7	11·2	38	..	1·3	..	4·2	0	0	31	1	0	0	2	0	7	2	19	0	0
Ramgarh	0830	..	..	..	..	14·9	13·2	11·6	13·7	82	..	0·8	..	2·0	0	0	21	1	5	0	2	1	5	7	0	10	0
	1730	..	..	..	..	20·9	19·8	9·3	22·4	90	..	1·9	..	1·0	0	0	10	0	1	1	0	1	4	2	1	21	0
Panchet Hills	0830	..	..	..	..	17·2	13·8	10·7	12·9	66	..	2·3	..	4·4	0	0	22	0	0	0	1	0	14	0	7	9	0
	1730	..	..	..	..	22·3	14·8	7·8	10·6	41	..	2·2	..	1.3	0	0	8	0	0	0	0	0	0	0	8	23	0
Durgapur	0830	..	..	..	..	17.9	14.0	10.7	12.9	62	..	1.2	..	4·3	0	0	27	2	0	2	0	1	0	2	20	4	0
	1730	..	..	..	..	22·7	15·5	9·4	11.8	43	..	1.1	..	3.1	0	0	23	3	0	1	0	0	2	0	17	8	0
Mahanadi Catchment																											
Ginsbahar	0830	..	..	..	..	15·1	12·0	8·8	11·5	67	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hirakud	0830	159	1017.9	999·4	..	19.5	15.9	13.1	15.2	67	..	1.8	..	1.6	0	0	16	8	1	0	2	0	1	0	4	15	0
	1130	,,	1016.8	998.6	..	23.7	17.3	12.5	14.5	50	..	1.5	..	3.2	0	0	31	11	3	2	0	2	2	5	5	0	1
	1730	,,	1013.8	995.6	..	24.2	17.6	12.8	14.8	50	..	3.0	..	0.7	0	0	10	1	0	0	0	1	1	0	7	21	0
Bhimkund	0830	..	..	..	..	16.6	13.4	10.6	12.8	69	..	1.6	..	1.7	0	0	16	1	0	0	0	0	3	0	11	15	1
	1730	..	..	..	..	22·7	15.6	9·6	11·9	43	..	2.1	..	0.2	0	0	3	0	0	0	0	0	2	0	1	28	0
Sonepur	0830	..	..	..	..	19·5	17·4	16·0	18·2	81	..	..	..	3.2	0	1	25	4	0	8	1	8	0	5	0	5	0
Khijrawan	0830	..	..	..	..	17·3	14·5	12·2	14·2	73	..	0	..	2.4	0	0	29	0	2	0	15	1	10	0	1	2	0
	1730	..	..	..	..	22·6	15·9	10·2	12·6	49	..	0	..	3.3	0	0	31	3	8	0	8	1	1	0	10	0	0
Narmada Catchment																											
Bagra Tawa	0830	..	..	..	..	15.2	11.9	8.6	11.2	65	..	1.9	..	7.3	0	0	25	0	16	3	1	0	4	1	0	6	0
	1730	..	..	..	..	25.4	16.6	9.1	11·8	37	..	2.0	..	3·9	0	0	19	1	15	1	1	0	0	1	0	12	0
Punasa	0830	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thikri	0830	..	..	..	..	20·2	14·0	8·2	10·9	47	..	1·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sabarmati Catchment																											
Daroi	0830	..	..	..	..	17.5	13·0	8·5	11·3	57	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	26·8	17·6 (a)	10·2 (a)	12·7 (a)	37	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gandak Catchment																											
Jomosom	0830	..	..	..	..	2.7	0.7	−1·8	5·4	75	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	5·4	2·8	−0·3	6·0	68	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Khudi Bazar**	0830	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Timure	0830	..	..	..	..	5·2	1·5	−4·7	4·4	52	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	11·0	6·8	2·2	7.2	55	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pokhara	0830	..	..	..	..	11·7	9·5	7·3	10·3	75	..	2·7	..	1·7	0	0	12	9	1	0	0	0	0	0	2	19	0
	1130	..	..	..	..	17·4	12·1	7·3	10·3	52	..	2·5	..	3·6	0	0	22	0	0	0	16	5	0	0	0	9	1
	1730	..	..	..	..	16·5	11·9	7·9	10·7	57	..	3·8	..	1·3	0	0	10	0	0	2	8	0	0	0	0	21	0
Gorkha	0830	..	..	..	..	12·3	9·8	7·4	10·3	73	..	2·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1130	..	..	..	..	16·0	11·9	8·4	11·0	61	..	1·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	14·3	10·6	7·4	10·3	62	..	1·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nuwakot	0830	..	..	..	..	12·9	10·2	7·5	10·5	71	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	16·0	11·8	8·1	11·0	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghaghara Catchment [Trans Himalayan Region]																											
Dailekh	0830	..	..	..	..	10·2	8·2	5·9	9·4	75	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	12·1	9·7	7·3	10·4	75	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dadeldhura	0830	..	..	..	..	7·9	3·9	−1·8	5·5	55	..	2·1	..	4·8	0	0	27	0	0	6	13	2	3	1	2	4	0
	1130	..	..	..	..	10·5	6·0	0·7	6·5	53	..	1·9	..	4·7	0	1	30	8	3	3	4	3	2	3	5	0	1
	1730	..	..	..	..	8·7 (c)	5·1 (c)	0·5 (c)	6·5 (c)	60	..	2·6	..	3·5	0	0	29	1	1	2	2	2	3	5	13	2	0
Sallayana	†0830	..	..	..	..	11·8 (m)	7·7 (m)	2·7 (m)	7·6 (m)	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	††1730	..	..	..	..	12·2	9·1	5·6	9·3	66	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Butwal	0830	..	..	..	..	16·3	12·7	9·4	11·8	64	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	19·3	15·7	12·9	15.0	67	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

†Observations for 18 days. ††Observations for 28 days. *Data not available. **Temporialy (reduceed to class V. (a) Mean of 30 days. (m) Mean of 18 days. c) Mean of 28 days.

TABLE III—SUMMARY OF OBSERVATIONS AT FIXED HOURS—JANUARY 1965 (PAUSA 11—MAGHA 11, 1886 SAKA)

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bagmati Catchment																											
Katmandu*	0830	1324																									
	1130	,,																									
	1730	,,																									
Kosi Catchment																											
Chautara	0830	..	..	..	..	9·5	7·2	4·7	8·7	73	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	14·1	9·1	4·4	8·5	53	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Walungchung Gola	0830	..	..	..	..	1·4	(b) −0·7	(b) −4·0	(b) 4·6	b) 69	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	0·9	(a) −0·1	(a) −1·5	(a) 5·4	(a) 84	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taplethok	0830	..	..	..	..	12·4	8·7	4·6	8·6	60	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	13·5	9·0	4·1	8·2	53	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bhojpur	0830	..	..	..	..	12·2	8·4	4·7	8·6	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	9·8	8·0	6·3	9·6	79	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taplejung	0830	..	..	..	..	7·2	5·8	4·3	8·4	82	..	3·9	..	0·7	0	0	7	1	0	2	0	1	2	0	1	24	0
	1130	..	..	..	..	12·2	8·6	5·3	8·9	63	..	3·6	..	3·8	0	0	27	6	0	0	1	8	2	6	4	4	0
	1730	..	..	..	..	10·3	7·2	4·1	8·2	65	..	3·6	..	6·2	0	0	30	0	0	0	2	24	4	0	0	1	0
Okhaldhunga	0830	..	..	..	..	8·6	6·3	4.0	8·2	74	..	1·0	..	0·3	0	0	3	0	0	0	1	2	0	0	0	28	0
	1130	..	..	..	..	12·8	8·3	3·9	8·2	56	..	2.0	..	2·2	0	0	19	0	1	0	1	5	4	6	0	12	2
	1730	..	..	..	..	9·1	7·2	5·2	8·9	77	..	4·1	..	2·9	0	0	16	2	0	0	0	0	1	10	3	15	0
Chainpur	0830	..	..	..	..	13·2	10·0	6·9	10·0	66	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	14·3	11·3	8·7	11.2	69	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Angbung†	0830	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Barahakshetra	0830	146	1018·7	1001.4	..	13·5	11·8	10·1	12·4	80	..	0·7	..	2·4	0	0	21	0	5	5	2	3	3	1	2	10	0
	1130	,,	1016.3	999·5	..	21·6	15·8	11·1	13·3	52	..	1·6	..	2·5	0	0	16	1	0	0	0	2	9	4	0	15	0
	1730	,,	1014.2	997.2	..	17·9	14·8	12·2	14·2	69	..	2·2	..	1·6	0	0	17	0	1	12	4	0	0	0	0	14	0
Tista Catchment																											
Gangtok	0830	1812	1526.9	821·5	..	7·5	6·1	4·5	8.5	83	..	4·2	..	0·5	0	0	6	1	4	0	0	0	0	1	0	25	0
	1130	,,	1514·8	820·7	..	11·9	8·4	5·0	8.8	64	..	4·3	..	2·1	0	0	20	0	1	0	0	7	11	1	0	11	0
	1730	,,	1499·4	819·1	..	9·7	7·5	5·4	9.0	75	..	6·0	..	1·3	0	0	10	0	0	2	3	4	1	0	0	21	0
Gezing	0830	..	..	..	..	11·0	8·3	5·9	9·4	72	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	11·0	8·9	7·1	10·1	78	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

*Data included under 'Nepal'.

†Data not available.

(a) Mean of 30 days.

(b) Mean of 29 days

MONTHLY MEANS OF UPPER WINDS

January, 1965 (*Pausa* 11—*Magha* 11, 1886 *Saka*)

During the month, observations of velocity and direction of upper winds were made at 54 stations in India. Out of these, at 39 stations all the observations were taken by means of pilot balloons and at 14 stations some observations were made by means of pilot balloons while the other observations by the radiowind method. In the case of Bangalore, the observations were taken by following radiosonde balloon by means of an optical theodolite. Particulars of these stations, their co-ordinates and the approximate times of the regular pilot balloon and rawin ascents at each station are given in the table overleaf. All radiowind ascents have been indicated by means of an asterisk (*) against the scheduled hours.

Data from ascents made at the scheduled time or within two hours on either side of the scheduled times of regular observations have been used for averaging.

Data upto 9.0 km. a.m.s.l. are given under Table IV and data above 9.0 km. a.m.s.l. under Table V.

In Tables IV and V :

n—represents the number of observations;

V—represents the mean wind speed in metres per second irrespective of direction;

v—represents the resultant mean velocity in metres per second;

D—represents the direction of the resultant mean wind in degrees East of North.

Means and resultant winds are given in this publication for the following heights :

Surface, 0.15 km. a.g., 0.3, 0.6, 0.9, 1.5, 2.1, 3.0, 3.6, 4.5, 5.4, 6.0, 7.2, 9.0, 10.5, 12.0, 14.1, 16.2, 18.0, 21.0, 24.0, 27.0, 30.0, 33.0 and 36.0 km. a.m.s.l. Of these, the levels 1.5, 3.0, 5.4, 7.2, 9.0, 12.0, 14.1, 16.2, 18.0, 21.0, 24.0, 27·0 and 30.0 km. a.m.s.l. are considered as the best approximations to the standard pressure levels 850, 700, 500, 400, 300, 200, 150, 100, 70, 50, 30, 20 & 10 mb. respectively.

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS IN INDIA

S. No.	Station	Lat. N	Long. E	Height of Anemometer head a.m.s.l. in metres	**Date of opening	Approximate times of flight (IST)			
1.	Agartala	23°53′	91°15′	17	28th Nov. 1951	0530		1730	2330
2	Ahmadabad	23°04′	72°38′	61	19th May 1928	0530*	1130	1730*	2330
3.	Allahabad/Bamhrauli	25°27′	81°44′	103	28th Feb. 1930	0530*	1130	1730*	2330
4.	Ambala	30°23′	76°46′	279	18th Mar. 1928	0530	1130	1730	2330
5.	Anantapur	14°41′	77°37′	365	12th Feb. 1946	0530		1730	2330
6.	Asansol	23°41′	86°59′	135	29th May 1942	0530		1730	2330
7.	Aurangabad/Chikalthan	19°51′	75°24′	583	7th Oct. 1951	0530		1730	2330
8.	Bahraich	27°34′	81°36′	134	1st Oct. 1961	0530	1130	1730	
9.	Bangalore	12°58′	77°35′	936	19th May 1915	0530@	1130	1730@	2330
10.	Bareilly	28°22′	79°24′	181	12th Jan. 1943	0530		1730	
11.	Begampet	17°27′	78°28′	543	1st Sep. 1929	0530		1730	2330
12.	Bhagalpur	25°14′	86°57′	61	19th May 1950	0530		1730	
13.	Bhopal/Bairagarh	23°17′	77°21′	532	26th Feb. 1943	0530		1730	2330
14.	Bhubaneshwar	20°15′	85°50′	54	5th Dec. 1942	0530		1730	2330
15.	Bhuj/Rudramata	23°15′	69°48′	90	14th Sep. 1937	0530		1730	2330
16.	Bikaner	28°00′	73°18′	229	18th Oct. 1946	0530		1730	2330
17.	Bombay/Santa Cruz	19°07′	72°51′	27	14th May 1933	0530*	1130	1730*	2330
18.	Calcutta/Dum Dum	22°39′	88°27′	13	14th May 1921	0530*	1130	1730*	2330
19.	Cochin/Willingdon†	09°56′	76°14′	13	16th Mar. 1942	0530		1730	2330
20.	Dehra Dun	30°19′	78°02′	692	1st Oct. 1958	0530		1730	
21.	Dibrugarh/Mohanbari	27°29′	95°01′	112	1st June 1948	0530	1130	1730	2330
22.	Gadag	15°25′	75°38′	650	3rd May 1943	0530		1730	2330
23.	Gangtok	27°20′	88°37′	1764	31st May 1963	0830		1730	
24.	Gauhati	26°05′	91°43′	55	11th Mar. 1955	0530*	1130	1730*	2330
25.	Gaya	24°45′	84°57′	119	19th Mar. 1937	0530		1730	2330
26.	Gopalpur	19°16′	84°53′	24	15th Feb. 1946	0530		1730	2330
27.	Gorakhpur	26°45′	83°25′	83	5th Jan. 1943	0530		1730	
28.	Gwalior	26°14′	78°15′	208	7th May 1938	0530	1130	1730	2330
29.	Imphal/Tulihal	24°46′	93°54′	782	8th Mar. 1952	0530	1130	1730	2330
30.	Jabalpur	23°10′	79°57′	402	30th July 1928	0530		1730	2330
31.	Jagdalpur	19°05′	82°02′	562	25th Mar. 1948	0530		1730	2330
32.	Jaipur/Sanganer	26°49′	75°48′	403	6th June 1953	0530		1730	2330
33.	Jamshedpur	22°49′	86°11′	144	23rd July 1942	0530		1730	
34.	Jharsuguda	21°55′	84°05′	240	1st May 1944	0530		1730	2330
35.	Jodhpur	26°18′	73°01′	229	15th Oct. 1934	0530*	1130	1730*	2330
36.	Lucknow/Amausi	26°45′	80°53′	133	20th Nov. 1950	0530		1730	2330
37.	Madras/Minambakkam	13°00′	80°11′	29	8th Apr. 1926	0530*	1130	1730*	2330
38.	Mangalore/Bajpe	12°55′	74°53′	104	4th June 1928	0530		1730	2330
39.	Minicoy	08°18′	73°00′	15	14th Apr. 1941	0530	1130	1730*	2330
40.	Nagpur/Sonegaon	21°06′	79°03′	316	23rd Apr. 1943	0530*	1130	1730*	2330
41.	New Delhi/Safdarjung	28°35′	77°12′	227	16th Nov. 1929	0530*	1130	1730*	2330
42.	Poona	18°32′	73°51′	593	5th Jan. 1925	0530		1730	2330
43.	Port Blair	11°40′	92°43′	95	13th Mar. 1945	0530*	1130	1730*	2330
44.	Raipur	21°14′	81°39′	308	15th July 1944	0530		1730	2330
45.	Raxaul	26°59′	84°51′	83	28th Oct. 1957	0530		1730	
46.	Siliguri/Baghdogra	26°38′	88°19′	140	7th June 1953	0530		1730	2330
47.	Srinagar	34°05′	74°48′	1595	1st Aug. 1962	0530*		1730*	
48.	Tiruchchirappalli	10°46′	78°43′	96	22nd June 1936	0530		1730	2330
49.	Trivandrum	08°29′	76°57′	73	8th Dec. 1928	0530*	1130	1730*	2330
50.	Udaipur	24°35′	73°42′	587	24th June 1947	0530		1730	2330
51.	Vengurla	15°52′	73°38′	8	20th Nov. 1941	0530		1730	2330
52.	Veraval	20°54′	70°22′	17	13th Oct. 1941	0530		1730	2330
53.	Vijaywada/Gannavaram	16°32′	80°48′	32	1st Apr. 1957	0530		1730	2330
54.	Vishakhapatnam	17°43′	83°14′	10	24th Sep. 1928	0530*	1130	1730*	2330

* Radio wind ascents.

@Radiosonde ascents followed by optical theodolite.

† Naval Meteorological Office.

** Refers to date from which data are available.

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 km. above mean sea level

January, 1965 (Pausa 11—Magha 11, 1886 Saka)

Station	AGARTALA												AHMADABAD											
Time in I. S. T.	0530				1730				2330				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	0·3	0·2	360	31	0·8	0·7	290	31	0·5	0·3	334	31	1·7	1·2	047	31	3·5	1·1	156	31	2·0	1·3	039
0·15 a. g. .	30	2·0	1·1	035	31	2·6	2·3	292	31	2·7	1·6	338	31	7·0	5·1	054	30	4·3	3·9	082	31	3·4	1·9	018
0·3 a. m. s. l. .	30	2·6	1·7	010	31	2·8	1·9	291	31	2·6	2·0	331	31	7·1	5·4	053	30	4·8	4·2	087	31	3·3	2·0	025
0·6 ,, .	30	2·7	1·9	353	31	2·5	1·5	285	31	2·8	2·1	312	31	6·4	3·6	065	30	4·5	2·9	094	31	3·6	2·4	028
0·9 ,, .	30	3·0	2·1	335	31	2·5	1·2	264	31	2·9	2·0	294	31	5·5	3·0	070	30	4·1	1.7	087	31	3·5	1·9	029
1·5 ,, .	30	4·7	3·1	309	31	4·0	2·3	277	31	4·6	3·1	285	31	5·1	0·8	226	30	4·0	0·5	258	31	3·9	0·7	340
2·1 ,, .	30	7·7	5·7	300	31	7·3	6·0	291	30	8·2	6·9	287	31	5·6	2·8	252	30	5·4	2·4	256	31	5·8	2·3	251
3·0 ,, .	28	12·6	11·1	287	31	11·1	10·1	285	29	12·1	10·2	280	31	7·7	5·0	252	30	7·6	4·8	251	31	7·5	4·5	259
3·6 ,, .	25	15·0	13·5	286	29	14·0	13·9	281	3	9·3	8.9	263	31	8·9	6·6	260	30	8·7	6·4	256	31	9·4	5·9	266
4·5 ,, .	17	14·5	14·1	258	24	16·3	15·9	271	1	11·0	11.0	252	31	11·0	9·5	262	29	11·1	9·8	268	31	11·0	9·1	268
5·4 ,, .	10	15·1	14·1	273	19	18·2	17·2	278					31	15·4	14·5	260	29	14·9	14·1	266	31	15·3	14·5	261
6·0 ,, .	10	15·7	14·6	266	18	19·8	18·8	277					31	18·6	17·9	262	29	18·1	17·2	265	31	17·5	16·6	260
7·2 ,, .	2	13·0	11·5	267	8	21·6	18·6	277					30	17·3	16·3	266	25	23·5	22·1	258	30	21·9	20·3	258
9·0 ,, .	1	16·0	16·0	285	5	25·6	22·5	254					28	24·9	23·8	263	18	27·2	25·9	269	27	24·8	23·3	262

Station	AHMADABAD				ALLAHABAD/BAMHRAULI																AMBALA			
Time in I. S. T.	2330				0530*				1130				1730*				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	0·9	0·8	014	31	0·1	0·1	287	31	1·0	0·9	261	31	1·2	0·6	292	31	0·3	0·2	272	31	1·7	1·1	317
0·15 a. g. .	30	6·6	4·7	029	31	5·6	3·3	317	31	3·2	1·7	269	31	4·5	3·9	304	31	5·6	3·8	319	30	8·5	6·0	335
0·3 a. m. s. l. .	30	6·7	5·0	036	31	5·6	3·3	317	31	3·5	1·9	271	31	4·5	3·9	304	31	5·7	3·8	319	30	3·4	2·5	334
0·6 ,, .	30	6·0	3·9	047	31	5·8	3·9	308	31	4·6	2·7	294	31	4·9	4·0	306	31	5·7	4·2	310	30	8·2	6·2	331
0·9 ,, .	30	5·2	3·2	057	31	6·1	4·4	315	31	5·6	4·0	301	31	5·5	4·6	304	31	6·1	4·9	302	30	8·1	6·3	326
1·5 ,, .	30	4·3	1·8	044	31	8·2	6·8	302	31	8·0	6·3	305	31	7·7	6·6	301	31	7·1	6·6	294	30	6·9	5·1	314
2·1 ,, .	30	5·5	0·1	321	31	10·4	9·0	301	31	9·7	8·0	303	31	10·0	9·1	296	27	8·3	7·2	296	30	6·9	5·3	309
3·0 ,, .	29	7·3	1·5	253	31	13·0	11·8	291	27	10·7	9·7	297	31	11·5	10·2	290	20	10·1	8·9	285	23	5·3	3·9	275
3·6 ,, .	18	6·9	1·3	304	31	14·7	13·4	286	26	13·0	11·8	288	31	12·6	11·5	287	5	11·0	10·1	291	9	5·9	5·5	270
4·5 ,, .	11	5·5	2·2	295	31	16·4	15·2	280	25	13·7	12·8	280	31	15·9	14·9	278	1	11·0	11·0	300	1	10·0	10·0	288
5·4 ,, .	7	8·9	7·7	272	31	18·7	17·9	275	24	15·3	14.3	277	31	18·3	17·3	279								
6·0 ,, .	7	9·9	9·8	269	31	21·7	20·4	269	22	18·3	16·9	279	31	20·1	18·6	277								
7·2 ,, .	2	11·5	11·4	237	31	27·1	25·5	266	14	24·7	23·6	274	31	26·7	24·8	271								
9·0 ,, .					26	30·5	28·2	271	9	26·7	25·7	265	26	29·5	27·6	270								

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 km. above mean sea level

January, 1965 (Pausa 11—Magha 11, 1886 Saka)

Station	AMBALA												AMINI											
Time in I. S. T.	1130				1730				2330															
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	2·1	1·3	312	31	2·9	2·3	306	31	2·2	1·6	317	(P. B. Observations to commerce from May 1965)											
0·15 a. g.	30	5·3	2·8	331	31	6·5	5·0	301	31	8·2	6·5	328												
0·3 a. m. s. l.	30	2·5	1·4	321	31	3·7	2·8	299	31	3·8	2·8	324												
0·6 ,,	30	6·9	3·2	332	31	7·0	5·0	309	31	8·0	6·4	328												
0·9 ,,	30	7·6	3·8	324	31	8·2	6·5	324	31	7·1	5·4	327												
1·5 ,,	30	7·1	4·0	312	31	8·6	6·5	316	31	6·2	4·9	307												
2·1 ,,	29	6·8	5·1	308	30	8·0	6.2	311	31	6·7	5·0	301												
3·0 ,,	29	6·4	4·8	298	29	7·8	5·5	302	25	6·8	5·2	271												
3·6 ,,	28	7·0	5·3	280	26	8·0	6·7	299	10	8·1	6·9	263												
4·5 ,,	25	9·6	8·4	280	25	11·0	10·0	291																
5·4 ,,	25	13·1	12·0	279	21	13·9	12·6	284																
6·0 ,,	22	17·3	16·1	272	18	17·8	16·5	277																
7·2 ,,	12	23·1	21·8	282	6	20·8	19·2	274																
9·0 ,,																								

Station	ANANTAPUR												ASANSOL											
Time in I. S. T.	0530				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	0·9	0·6	100	31	4·1	4·0	086	31	4·1	3·9	095	31	0·7	0·7	297	31	1·6	1·4	317	31	0·9	0·6	318
0·15 a. g.	31	5·0	4·5	102	31	6·3	6·3	085	31	8·6	8·5	100	31	5·2	3·8	334	31	3·8	3·0	318	31	6·5	4·8	347
0·3 a. m. s. l.													31	5·5	4·1	340	31	3·8	3·0	317	31	6·8	4·9	345
0·6 ,,	31	5·3	4·7	111	31	5·6	5·5	088	31	9·0	8·9	102	31	6·1	4·5	336	31	4·5	3·7	311	31	6·3	4·3	329
0·9 ,,	31	6·7	6·0	102	31	5·7	5·6	092	31	8·3	8·0	109	31	6·4	5·0	320	31	4·9	4·1	311	31	5·8	4·1	310
1·5 ,,	31	7·0	5·8	081	31	6·4	5·8	092	31	5·4	4·5	083	31	7·6	6·5	299	31	6·4	5·8	301	31	6·9	5·8	297
2·1 ,,	30	6·1	5·2	073	30	6·0	5·4	091	31	5·6	4·0	068	28	8·8	8·0	298	29	9·5	8·8	305	30	9·4	8·7	296
3·0 ,,	28	5·5	3·7	070	27	5·7	3·5	071	30	5·3	3·5	058	22	12·0	10·6	296	29	13·6	12·3	297	25	11·6	10·4	293
3·6 ,,	27	5·8	2·2	079	20	6·0	1·3	358	28	5·6	2·8	042	8	11·9	11·1	301	24	13·5	12·6	291	14	11·9	11·6	292
4·5 ,,	23	6·5	0·9	221	19	6·3	1·3	262	6	7·5	2·3	328	3	13·7	13·2	295	21	15·5	15·0	285	1	13·0	13·0	273
5·4 ,,	22	8·4	2·6	244	14	6·4	1·7	285	2	10·5	8·8	329					15	15·7	15·1	284				
6·0 ,,	21	8·9	4·5	245	9	6·9	1·9	246	1	6·0	6·0	276					14	20·1	18·9	283				
7·2 ,,	20	9·3	6·6	240	7	7·0	3·4	233									7	22·1	20·9	265				
9·0 ,,	13	11·0	7·9	240	3	10·7	8·8	226									5	30·6	28·4	265				

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

January, 1965 (Pausa 11—Magha 11, 1886 Saka)

Station	AURANGABAD/CHIKALTHAN												BAHRAICH											
Time in I. S. T.	0530				1730				2330				0530				1130				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	0·6	0·2	044	31	1·9	1·0	096	31	0·5	0·3	093	31	1·0	0·8	282	31	0·8	0·3	281	31	0·8	0·7	276
0·15 a. g.	31	5·6	4·5	088	31	4·3	2·2	080	31	6·0	5·1	065	30	5·5	3·8	310	31	3·0	1·4	304	31	4·0	3·1	284
0·3 a. m. s. l.													30	5·7	3·5	315	31	3·0	1·4	311	31	3·9	3·0	384
0·6 ,,													30	7.0	5·2	311	31	6·0	3·8	297	31	5·2	3·9	292
0·9 ,,	31	6·8	5·4	104	31	4·0	1·9	074	31	7·0	5·8	071	30	7·5	5·3	304	31	7·0	4·6	302	31	6·8	4·5	290
1·5 ,,	31	6·3	4·0	117	31	4·0	1·9	075	31	6·0	4·7	087	29	8·4	6·7	298	31	8·0	5·3	295	31	8·6	6·6	298
2·1 ,,	31	5·7	1·0	108	30	4·9	2·1	084	30	5·9	3·5	094	29	9·9	8·3	300	31	10·0	8·1	300	31	10·1	8·8	303
3·0 ,,	28	6·0	1·7	313	21	6·3	1·8	055	26	5·8	2·4	097	27	11·0	9·8	295	28	11·0	10·0	299	30	11·2	10·4	306
3·6 ,,	13	4·3	2·2	317	16	5·8	3·7	023	17	6·2	3.1	038	19	11·5	10·4	291	27	11·8	10·8	296	29	12·0	10·0	300
4·5 ,,					14	5·4	2·6	345					9	11·9	11·5	287	26	13·0	12·6	292	26	13·2	12·5	293
5·4 ,,					11	6.1	4·1	314					5	13·6	13·5	290	24	16·0	15·0	282	26	16·0	15·3	290
6·0 ,,					8	7·0	5·7	273					2	14·5	14·3	289	20	18·0	17·0	281	22	17·8	16·6	286
7·2 ,,													2	13·5	13·0	287	13	21·0	19·7	278	17	18·9	17.4	283
9·0 ,,																	4	14·0	13·7	294	5	20·8	17·6	279

Station	BANGALORE																BAREILLY							
Time in I. S. T.	0530@				1130				1730@				2230				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	3·2	3·0	091	31	3·5	3·2	092	31	3·4	3·1	090	31	3·5	3·4	093	31	1·1	0·6	314	31	1·4	1·3	289
0·15 a. g.	23	7·5	7·0	091	31	5·5	5·3	091	31	6·2	6·0	092	31	9·5	9·3	097	29	5·8	4·3	323	31	4·4	3·7	290
0·3 a. m. s. l.																	29	5·4	4·1	324	31	4·1	3·1	292
0·6 ,,																	29	7·7	5·9	313	31	5·7	4·3	287
0·9 ,,																	28	8·4	7·1	306	31	6·6	5·3	291
1·5 ,,	23	8·9	8·2	079	30	6·8	6·6	088	31	6·0	5·8	092	31	8·0	7·4	090	27	9·4	8·0	305	31	8·8	7·4	305
2·1 ,,	22	6·8	6·1	076	30	6·9	6·4	081	31	5·8	5·6	084	31	5·3	4·5	081	27	10·3	8·5	303	31	10·1	8·7	301
3·0 ,,	21	5·2	3·0	076	25	5·4	3·6	083	29	4.9	3·0	055	30	5·1	3·4	064	23	8·8	7·8	297	30	10.6	9·5	300
3·6 ,,	21	5·5	1·8	089	19	5·8	3·0	078	28	5·6	1·6	037	29	5·5	1·9	058	22	9·8	8·4	299	26	10·8	9·8	300
4·5 ,,	21	6·9	1·5	085	17	7·2	2·5	088	28	6·5	0·5	023	23	6·5	1·8	096	18	11·9	10·6	283	21	12·3	11·2	284
5·4 ,,	20	7·4	0·6	142	15	6·7	1·9	245	28	7·2	1·7	256	14	5·6	3·5	246	13	14·1	12·6	278	17	16·0	14·8	278
6·0 ,,	19	6·5	2·8	241	14	5·1	1·3	172	27	7·0	3·3	245	7	5·4	5·2	241	5	16·2	15·8	275	13	18·1	17·0	273
7·2 ,,	18	9·2	7·1	262	12	6·8	3·4	247	27	8·9	6·6	258	3	7·7	7·1	252	2	11·0	10·8	294	1	13·0	13·0	310
9·0 ,,	14	13·6	10·1	255	10	12·3	10·7	260	20	16·3	13·2	253	1	10·0	10·0	245	1	11·0	11·0	295				

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

January, 1965 (Pausa 11—Magha 11, 1886 Saka)

Station	BEGAMPET												BHAGALPUR								BHOPAL/ BAIRAGARH			
Time in I. S. T.	0530				1730				2330				0530				1730				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1·1	0·7	114	31	2·7	2·4	093	31	1·6	1·0	090	31	1·3	1·1	253	31	2·3	2·2	274	31	2·2	1·7	088
0·15 a. g. .	31	4·6	4·3	118	31	4·7	4·1	095	31	5·5	4·8	076	31	4·2	2·7	286	31	5·0	4·4	281	31	6·4	5·0	086
0·3 a. m. s. l.													31	4·4	2·6	301	31	5·2	4·7	283				
0·6 „ .	31	3·3	3·1	116	31	4·4	3·8	095	31	4·3	3·7	104	31	5·1	3·7	311	31	5·4	4·9	287	31	5·5	4·2	085
0·9 „ .	31	6·1	5·3	116	31	5·0	4·2	096	31	5·8	5·1	108	31	5·8	3·9	308	31	5·8	5·0	290	31	6·9	4·4	087
1·5 „ .	29	6·2	4·7	085	31	4·9	3·8	094	31	5·9	4·2	091	31	7·7	5·6	294	31	8·0	6·2	291	31	5·8	0·8	346
2·1 „ .	28	6·4	5·1	052	31	4·9	2·8	076	30	5·9	3·4	060	27	10·5	7·9	299	25	10·2	7·8	298	30	7·2	3·6	299
3·0 „ .	28	6·1	3·6	040	31	4·9	1·9	043	29	5·4	2·8	020	13	11·6	9·9	297	15	11·8	11·5	299	29	8·6	5·7	291
3·6 „ .	27	5·4	2·3	024	29	5·4	1·9	016	17	5·2	2·5	334	7	12.0	7·0	292	8	15·9	15·4	300	27	9·1	6·9	289
4·5 „ .	25	6·4	1·4	308	26	6·4	2·1	297	1	2·0	2·0	182	3	16·6	15·9	273	2	10.0	9·8	281	26	10·1	8·1	281
5·4 „ .	20	6·7	4·3	293	22	7·7	4·5	286													23	14·2	12·9	279
6·0 „ .	17	8·3	6·4	290	16	8·6	4·9	284													17	14·6	14·2	271
7·2 „ .	8	9·5	7.9	303	7	8·6	7·7	271													7	13·7	13·2	274
9·0 „ .	2	15·0	10·7	280	3	17·0	16·7	269																

Station	BHOPAL/BAIRAGARH								BHUBANESHWAR												BHUJ/RUDRAMATA			
Time in I. S. T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface. .	31	2·3	1·3	035	31	2·5	1·7	050	31	1·3	1·0	359	31	2·2	1·2	021	31	1·7	0·5	155	CALM			
0·15 a. g. .	31	3·3	1·6	032	31	7·1	5·9	050	30	3·2	2·0	005	30	3·1	1·6	032	30	4·3	2·5	160	29	4·7	3·7	012
0·3 a. m. s. l.									30	3·0	1·3	014	30	2·9	1·3	026	30	4·3	2·0	170	29	5·2	4·1	023
0·6 „ .	31	3·3	1·5	037	31	6·6	5·3	050	30	3·5	1·6	014	30	2·6	1·2	017	30	3·7	0·6	174	29	5·7	3·6	026
0·9 „ .	31	3·4	1·8	032	31	6·5	4·9	053	30	4·1	2·4	012	30	2·5	1·4	003	30	3·6	1·4	329	29	4·8	2·4	033
1·5 „ .	31	3·5	1·1	337	31	4·1	1·0	023	29	5·8	4·1	358	30	4·5	3·1	334	30	5·1	4·1	343	29	4·3	0·5	180
2·1 „ .	31	5·7	3·1	315	30	5·7	2·0	276	29	6·3	2·1	261	25	7·0	5·8	326	30	5·8	4·3	333	29	4·8	2·0	213
3·0 „ .	30	8·2	5·9	289	28	7·0	4·3	271	27	6·9	5·7	313	22	7·3	6·5	319	28	6·3	5·2	306	29	7·3	4·0	247
3·6 „ .	28	9·5	7·0	277	23	8·5	5·7	287	23	8·0	6·8	298	22	9·3	8·1	300	3	3.0	2·7	295	28	8·2	5·6	265
4·5 „ .	27	11·5	9·9	277					19	10·3	8·8	284	17	9·8	8·2	289					28	10·8	9·0	267
5·4 „ .	23	13·1	12·1	273					11	13·0	9·6	274	13	12·7	11·5	274					27	14·1	13·3	266
6·0 „ .	22	14·4	12·9	266					7	13.0	10·5	289	11	12·5	10·1	270					27	15·5	14·9	265
7·2 „ .	14	16·5	15·0	268					2	9·5	9·4	271	5	13·2	12·4	279					19	18·8	18·2	257
9·0 „ .													1	20·0	20·0	250					3	16·7	16·7	269

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 Km. above mean sea level

January, 1965 (Pausa 11— Magha 11, 1886 Saka)

Station	BHUJ/RUDRAMATA								BIKANER												BOMBAY/ SANTACRUZ			
Time in I.S.T.	1730				2330				0530				1730				2330				0530*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	2·4	1·6	021	31	1·2	0·9	344	31	0·5	0·3	106	31	0·8	0·2	352	31	0·8	0·7	037	31	0·6	0·6	045
0·15 a. g.	31	3·9	2·7	025	31	5·2	3·0	341	29	5·8	3·8	101	31	3·6	1·6	011	30	7·1	4·1	033	31	4·7	4·0	026
0.3 a. m. s. l.	31	3·9	2·5	023	31	5·3	3·4	359	29	5·0	3·2	102	31	3·1	1·6	014	31	6·1	4·0	032	31	4·6	4·0	033
0·6 ,,	31	3·5	2·4	026	31	5·4	3·5	022	29	5·1	2·9	103	31	3·6	1·8	015	30	6·7	3·7	027	31	5·0	3·8	053
0·9 ,,	31	3·5	2·1	337	31	5·1	3·2	032	29	5·0	0·7	120	31	3·7	1·4	022	30	5·7	2·2	003	31	5·3	3·3	057
1·5 ,,	31	3·8	0.5	314	31	4·6	0·6	061	29	5·0	1·8	285	30	3·9	1·0	272	30	4·9	2·7	235	31	4·8	2·5	084
2·1 ,,	30	5.1	2·4	246	31	5·2	1·9	250	27	5·1	3·4	289	30	5·1	3·1	263	29	6·0	4·2	251	31	5·3	1·8	143
3·0 ,,	30	7·0	4·4	258	30	7·0	4·3	251	23	7·0	6·0	297	26	8·8	7·6	267	26	7·7	7·6	268	31	5·9	1·5	239
3·6 ,,	27	8·9	5·3	268	14	8·0	5·4	268	21	8·9	7·5	289	26	11·0	9·4	273	1	17·0	17·0	270	31	6·7	3·7	257
4·5 ,,	27	11·2	9·1	268	1	3·0	3·0	031	16	12·9	12·1	278	24	13·1	12·2	273					31	8·6	7·5	246
5·4 ,,	26	12·7	12·0	269					13	16·1	15·5	273	18	15·0	12·5	268					31	10·7	9·5	243
6·0 ,,	25	13·9	12·9	267					10	20·4	19·8	271	10	20·4	15·0	255					31	12·3	11·3	245
7·2 ,,	16	17·4	16·3	265					3	22·0	20·6	274	1	41·0	41·0	256					31	14·9	13·0	253
9·0 ,,	1	14·0	14·0	276																	31	22·5	21·0	251

Station	BOMBAY/SANTACRUZ												CALCUTTA/DUM DUM											
Time in I.S.T.	1130				1730*				2330				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	1·2	0·7	091	31	4·5	3·9	322	31	1·3	1·2	004	CALM				31	1·1	0·7	334	31	0·3	0·3	299
0·15 a. g.	31	3·6	2·7	080	31	5·8	5·1	304	31	5·0	4·4	013	31	4·2	2·4	352	31	2·9	9·1	345	31	3·3	0·5	313
0·3 a. m. s. l.	31	4·3	3·3	086	31	5·1	4·4	302	31	5·9	5·3	007	31	4·1	2.4	352	31	3·0	2·1	347	31	3·6	2·8	322
0·6 ,,	31	5·3	4·0	096	31	3·9	1·9	314	31	5·9	4·9	012	31	4·1	2.7	353	31	3·4	2·5	331	31	3.5	2·9	324
0·9 ,,	31	5·3	3·7	101	31	3·7	1·4	070	31	5·4	3·7	030	31	4·4	3·4	340	30	4·6	3·6	325	31	4·1	3·3	316
1·5 ,,	31	5·3	2·4	125	31	4·6	2·5	081	31	5·4	3·2	081	31	6·2	5·6	322	29	8·0	6·6	314	31	6·5	5·5	311
2·1 ,,	31	5·7	1·4	139	31	6·2	3·5	099	31	6·5	3·8	115	31	7·8	7·2	317	26	10·1	9·1	309	31	8·8	7·7	304
3·0 ,,	31	6·7	1·6	271	30	5·6	0·9	084	31	6·9	1·7	167	31	9·6	8·7	299	25	11·4	10·4	300	31	10·9	10·2	296
3·6 ,,	30	7·1	2·9	267	30	6·0	2·6	235	25	5·8	2·4	250	31	10·3	9·7	249	20	11·6	10·8	301	31	11·6	10·3	290
4·5 ,,	29	7·9	6·0	259	31	7·4	5·1	239	23	7·3	4·9	257	31	12·2	11·3	288	14	13·6	13·0	296	31	14.1	13·2	283
5·4 ,,	28	9·2	8·2	257	31	10·3	8·9	248	17	8·1	7·4	266	31	14·4	13·2	285	10	14·7	13·5	292	31	17·5	16.3	282
6·0 ,,	27	10·2	9·2	255	31	12·2	10·5	249	13	9·0	8·3	284	31	16·2	15·1	282	10	16·5	14·6	287	31	19.6	18·5	279
7.2 ,,	26	13·5	11·7	261	31	13·9	11·2	248	4	16·0	15·3	295	31	61·9	18·4	276	6	20·7	17·4	281	31	23·9	22.4	271
9·0 ,,	22	21·7	18·2	262	31	21·8	20·0	258					31	23·7	22·1	268	6	21·7	20·5	275	31	28·8	26·9	268

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

January, 1965 (Pausa 11—Magha 11, 1886 Saka)

Station	CALCUTTA/ DUMDUM				COCHIN/WILLINGDON †												DEHRADUN							
Time in I.S.T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	0·4	0·1	326	31	2·0	1·7	060	31	3·3	3·2	273	31	0·9	0·5	088	31	0·3	0·3	030	31	0·7	0·3	2[illegible]
0·15 a. g.	31	3·1	1·1	355	31	5·4	4·7	081	31	5·2	4·8	275	30	4·3	2·0	099	31	1·4	0·9	097	30	2·4	1·7	2[illegible]
0·3 a. m. s. l.	31	3·0	1·7	351	31	4·9	3·8	086	31	4·5	3·8	294	30	4·6	2·4	102								
0·6 ,,	31	4·0	2·7	337	31	3·8	2·8	077	31	3·7	3·1	358	30	5·5	4·1	098								
0·9 ,,	31	5·0	4·1	323	31	3·4	2·7	070	31	4·5	3·9	044	30	6·0	5·3	100	31	1·3	0·9	118	30	2·9	2·3	2[illegible]
1·5 ,,	31	7·2	6·5	314	31	4·0	2.9	067	31	6·2	5·8	083	30	4·5	3·6	089	31	2·3	0·8	303	30	2·4	1·0	2[illegible]
2·1 ,,	30	9·0	8·3	306	31	5·2	3·0	091	31	6·4	5·2	088	29	4·7	3·7	079	31	4·0	2·3	309	30	4·4	2·8	2[illegible]
3·0 ,,	20	10·7	9·2	289	29	5·5	1·7	073	31	5·7	2·8	077	25	6·0	3·3	091	29	6·0	3·9	309	25	5·0	4·0	2[illegible]
3·6 ,,	2	5·5	5·4	244	23	6·2	1·9	062	28	6·1	2·2	096	13	7·5	3·0	089	25	6·1	4·1	283	21	5·7	3·9	3[illegible]
4·5 ,,					9	7·2	3·7	077	24	8·1	2·8	103	1	12·0	12·0	250	10	9·3	9·3	263	19	7·9	6·2	2[illegible]
5·4 ,,					2	3·0	2·7	174	20	7·9	1·8	080					2	12·5	12·3	276	16	13·1	12·2	2[illegible]
6·0 ,,					1	7·0	7·0	250	15	6·0	1·8	340									16	16·9	16·2	2[illegible]
7·2 ,,									11	10·1	6·3	243									9	23·1	21·8	2[illegible]
9·0 ,,									6	16·3	12·3	258									1	21.0	21·0	2[illegible]

Station	DIBRUGARH/MOHANBARI																GADAG							
Time in I.S.T.	0530				1130				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	0·4	0·4	053	31	0·5	0·4	046	31	0·4	0·2	037	19	0·3	0·2	027	31	4·4	4·1	124	31	4·8	4·1	0[illegible]
0·15 a. g.	29	4·1	4·0	066	31	2·5	1·0	058	31	2·4	0·8	042	19	2·6	2·4	048	31	7·0	6·6	124	31	6·6	5·6	0[illegible]
0·3 a. m.s. l.	29	3.9	3·7	062	31	2·0	1·0	058	31	2·2	1·3	029	19	2·5	2·3	047								
0·6 ,,	29	2·7	2·4	053	31	2·0	1·0	062	31	1·9	1·1	058	19	1·9	1·7	057								
0·9 ,,	29	2·0	1·3	041	31	2·0	0·8	088	31	1·7	0·5	094	19	1·7	1·5	079	31	7·8	7·4	116	31	6·5	5·4	0[illegible]
1·5 ,,	29	2·3	0·2	107	30	2·1	0·7	188	30	2·8	1·2	190	19	1·7	0·9	201	31	8·8	7·5	088	31	6·5	5·6	0[illegible]
2·1 ,,	29	2·5	1·4	195	30	2·3	1·3	183	30	3·4	2·4	203	19	2·9	2·1	234	30	8·2	6·8	073	31	6·7	5·6	0[illegible]
3·0 ,,	26	2·3	0·3	252	28	3·0	1·2	164	27	3·4	1·6	190	19	3·4	2·3	250	29	6·2	3·9	072	29	5·7	3·8	0[illegible]
3·6 ,,	23	5·3	2·6	290	28	5·0	0·7	280	27	4·6	0·4	229	15	5·9	4·6	283	29	5·7	1·8	059	25	5·4	2·7	0[illegible]
4·5 ,,	21	11·0	9·4	279	24	9·0	4·0	220	25	12·2	7·6	270	1	8·0	8·0	326	28	6·2	0·2	239	24	6·3	1·2	0[illegible]
5·4 ,,	16	14·0	13·3	276	19	12·4	9·0	277	21	16·0	16·0	266					27	8·4	2·9	246	22	8·1	1·2	2[illegible]
6·0 ,,	6	14·0	12·8	278	15	14·5	10·6	278	17	17·8	15·3	272					26	9·7	5·5	249	22	8·9	2·8	2[illegible]
7·2 ,,	2	13·5	13·4	307	9	22·2	17·3	268	6	18·0	15·0	308					21	10.7	8·0	265	16	9·8	7·2	2[illegible]
9·2 ,,					9	24·2	15·2	282									15	16·1	14·0	274	13	15.0	13.4	2[illegible]

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

January, 1965 (Pausa 11 —Maghall, 1886 Saka)

Station	GADAG				GANGTOK								GAUHATI											
Time in I.S.T.	2330				0830				1730				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	4·7	3·5	088	31	0·4	0·4	011	31	0·9	0·7	175		CALM			31	1·0	0·8	007	31	0·1	0·1	045
0·15 a. g.	31	8·5	6·6	089	22	1.4	0·6	016	15	2·5	2·5	171	31	1·7	0·7	086	31	2·2	1·6	025	31	2·8	2·0	032
0·3 a. m. s. l.													31	2.0	0·8	087	31	2·8	1·7	046	31	2·8	2·0	034
0·6 ,,													31	2·4	0·9	092	31	2·6	1·8	078	31	2·6	1·2	034
0·9 ,,	31	8·6	7·4	091									31	2·8	0·7	072	31	3·0	1·6	102	31	2·5	0·3	317
1·5 ,,	31	8·0	7·2	089									31	3·3	0·5	356	31	3·7	1·1	135	31	4·2	2·4	256
2·1 ,,	31	7·5	6·7	080	22	1·0	0·3	318	15	2·3	2·2	167	31	4·4	1·2	277	31	6·4	0·9	189	31	4·7	3·2	243
3·0 ,,	30	5·9	3·9	065	22	1·4	0·6	181	11	1·5	0·4	302	30	8·5	6·4	288	31	6·7	4·1	267	31	8·9	6·8	280
3·6 ,,	27	5·7	1·8	054	20	4·7	2·2	261	11	3·0	2·4	308	30	12·9	11·7	289	31	12·7	10·4	280	31	13·6	11·9	280
4·5 ,,	20	6·5	0·6	241	18	12.2	8.6	323	7	10·3	10·0	254	30	19·4	18·5	288	29	17·1	16·4	277	31	17·6	16·8	283
5·4 ,,	14	7·9	2·4	270	16	12·1	10.0	272	4	6·3	5·0	295	30	23.1	22.3	284	28	20·8	20·0	277	30	21·5	20·5	283
6.0 ,,	9	8·3	6·2	259	15	13·3	11·6	279	4	9·3	8·1	305	29	23.9	22.8	284	25	22·5	20·5	276	30	24·4	23·1	284
7·2 ,,	5	6·0	5·0	234	13	14·5	9·3	280	4	19·7	18·5	298	27	28·6	27·4	283	23	27·0	25·6	273	30	29·0	27·7	285
9·0 ,,					8	25·5	24·3	286	3	21·7	19·4	296	23	36·1	33·9	277	10	30·5	29·1	284	24	34·1	31·9	280

Station	GAUHATI				GAYA												GOA/DABOLIM							
Time in I.S.T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	0·5	0·1	127	31	1·0	0·7	222	31	2·7	2·3	320	31	0·6	0·3	206								
0·15 a. g.	31	2·3	0·8	187	31	4·5	3·1	266	31	4·8	4·2	308	31	5·2	2·8	316								
0·3 a. m. s.l.	31	2.4	0.3	090	31	4·6	3·0	283	31	5·0	4.5	307	31	5·5	3·2	316								
0·6 ,,	31	3.1	0.8	084	31	5·0	3·7	304	31	5.6	5·1	297	31	5.8	4·3	306								
0·9 ,,	31	2·7	1·0	245	31	5·7	4·5	300	31	6·0	5·5	295	31	6·4	5·2	292								
1·5 ,,	31	3·5	1·1	271	31	8·0	6·9	301	31	9·0	8·1	292	31	8·0	6·7	285								
2.1 ,,	29	3·6	0·7	200	30	10·9	9·6	300	31	10·5	9·7	295	31	9·8	8·6	292								
3·0 ,,	29	7·5	4·2	272	28	13·7	12·7	302	31	12·4	11·6	300	24	10·0	8·7	286								
3·6 ,,	17	13·3	10·6	261	25	15·4	14·2	299	30	13·8	13·0	295	5	15·0	11·6	273								
4·5 ,,	3	16·7	16·5	264	20	15·4	13·3	299	27	14·7	14·1	290												
5·4 ,,	1	12.0	12.0	270	10	12·7	12·5	289	23	17.2	16.3	284												
6·0 ,,					7	11·7	11·0	285	17	16.0	14.8	285												
7.2 ,,					4	15·0	13·4	291	7	14·0	12·4	306												
9·0 ,,																								

(P. B. Observations to commence from July 1965)

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 km. above mean sea level

January, 1965 (Pausa 11—Magha 11, 1886 Saka)

Station	GOA/DABOLIM				GOPALPUR												GORAKHPUR							
Time in I.S.T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	(P. B. Observations				31	1·1	1·0	330	31	2·0	1·6	119	31	0·6	0·2	289	31	0·7	0·4	305	31	0·7	0·5	271
0·15 a. g. .	to commence from				31	3·7	3·1	337	31	4·3	3·0	088	31	2·8	0·9	184	31	4·6	3·4	304	31	3·3	2·2	285
0·3 a. m. s. l. .	July 1965)				31	2·7	1·4	353	31	4·1	3·4	109	31	3·0	1·3	154	31	5·2	3·4	304	31	3·9	2·8	280
0·6 „					31	2·5	1·3	028	31	3·2	2·0	072	31	2·8	1·5	109	31	6.4	4·2	300	31	5·2	3·9	278
0·9 „ .					31	3·5	2·3	024	31	3·2	2·3	358	31	3·2	1·6	048	31	7·5	4·9	297	31	6·2	4·8	283
1·5 „ .					31	5·0	4·0	015	31	5·4	4·3	338	30	5·0	3.9	009	31	9·0	6·6	297	31	8·9	6·9	295
2·1 „ .					30	5·9	3·7	007	31	6·1	4·6	331	29	6·0	4·4	348	31	10·7	8·8	295	31	10·9	9·3	297
3·0 „ .					28	5·9	4·0	303	30	6·6	5·2	313	18	6·8	2·3	351	25	13·0	10·9	301	24	12·2	10·2	299
3·6 „ .					26	6·7	4·9	293	26	7·8	5·2	300	2	7·5	6·7	268	18	13·4	12·4	300	21	13.4	11·9	292
4·5 „ .					23	9·3	6·6	279	25	8·6	6·7	290					9	14·1	13·1	295	14	14·6	14·1	290
5·4 „ .					18	10·8	8·6	287	23	10·7	10·0	284					3	15·7	15·1	308	9	16·1	15·4	287
6·0 „ .					17	12·9	11·3	283	21	13·5	11·9	280					2	12·5	11·9	300	6	17·2	16·0	293
7·2 „ .					6	15·0	12·8	257	11	17·1	16·1	267					2	16·0	14·2	295	2	12·5	11·7	304
9·0 „ .									2	19·5	19·3	255												

Station	GWALIOR																IMPHAL/TULIHAL							
Time in I.S.T.	0530				1130				1730				2330				0530				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	0·5	0·1	270	31	1·2	0·8	344	31	1·4	1·0	345	30	0·3	0·3	235	31	0·3	0·3	045	31	0·7	0·5	252
0·15 a.g. .	29	4·5	2·5	355	30	2·5	1·5	330	31	3·6	2·7	357	30	4·2	1·8	024	30	1·5	0·7	045	31	1·7	0·8	243
0·3 a. m. s. l. .	29	3.6	1.7	332	30	2.2	1.4	330	31	3.1	2.4	360	30	3·3	1·2	030								
0·6 „ .	29	5.3	3·8	352	30	3.4	2·1	332	31	4·1	2·8	345	30	4·5	2·3	355								
0·9 „	29	5·4	4·3	342	30	4·8	3·0	326	31	5·0	3·4	333	30	5·0	3·3	330	30	1·5	1·0	040	31	1·7	0·8	237
1·5 „ .	29	6·4	5·7	311	30	6·7	5·1	308	31	6·3	4·7	313	30	5·8	4·6	303	30	2·5	0·7	347	31	2·8	1·2	203
2·1 „ .	29	8·7	7·0	301	29	8·1	6·6	297	31	7·7	6·5	298	30	8·0	6·3	295	30	4·7	2·3	258	31	4·3	2·5	249
3·0 „ .	27	10·9	9·4	295	27	10·7	9·2	289	31	10·2	8·6	286	26	9·0	7 7	287	26	9·8	8·5	279	30	9·7	8·3	278
3·6 „ .	26	11·3	9·9	287	27	11·5	10·0	285	29	12·0	10·4	285	2	8·5	7·7	315	20	15·5	14·7	286	28	15·0	13·6	283
4·5 „ .	23	12·7	11·8	284	26	13·7	12·3	279	24	14·0	13·0	290					10	16.9	16·1	289	17	19·0	17·8	277
5.4 „	21	16·1	15·0	282	24	16·7	15·5	277	22	15·0	14·2	284					4	14·5	13·1	295	8	16·4	15·6	275
6·0 „ .	15	16·6	15·8	282	24	19·2	18·0	273	20	16·7	16·0	282					2	13·0	12·3	268	3	13·0	12·9	300
7·2 „ .	9	19·6	19·2	288	15	22.9	21.6	275	14	21·0	20·1	273									2	18·5	17·9	288
9·0 „ .	2	25.5	25.5	285	4	33.0	33.0	261	5	28·0	24·8	276									1	35·0	35·0	279

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

January, 1965 (Pausa 11—Magha 11, 1886 Saka)

Station	IMPHAL/TULIHAL								JABALPUR												JAGDALPUR			
Time in I.S.T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	1·7	1·3	271	31	0·9	0·3	336	31	0·2	0·2	132	31	1·2	0·9	006	31	CALM			31	CALM		
0·15 a. g.	31	3·3	2·2	256	31	2·0	0·4	302	31	4·2	2·7	088	31	3·1	2·2	003	31	5·1	3·8	125	28	2·7	1·7	071
0·3 a. m. s. l.																								
0·6 „									31	4·8	2·8	081	31	3·3	2·4	005	31	5·5	4·3	051	28	1·4	0·9	070
0·9 „	31	3·3	2·1	249	31	2·0	0·5	337	31	5·0	1·8	047	31	3·3	2·2	353	31	4·8	2·9	048	28	4·1	2·5	076
1·5 „	31	3·0	2·2	248	31	3·0	1·7	245	31	5·4	2·8	326	31	4·6	3.1	323	31	4·2	2·1	322	28	4·8	2·4	027
2·1 „	31	4·3	3·6	253	31	4·1	3·6	257	30	7·5	5·7	317	31	6·6	4·5	307	31	6·8	4·5	297	26	5·4	2·9	003
3·0 „	31	10·3	8·6	274	21	9·5	8·7	275	27	9·3	7·5	301	27	9·3	7·5	300	30	9·2	7·0	301	24	5.0	2·7	343
3·6 „	26	14·5	13·1	276	8	10·0	9·1	288	25	9·0	7·5	298	28	9·6	7.9	292	19	10·2	8·1	279	22	5·8	3·6	314
4·5 „	19	15·4	14·1	279	1	19·0	19.0	280	25	12·4	10 5	287	25	11·3	10·0	292	8	10·1	9·1	269	21	7.6	4.8	294
5·4 „	12	16·7	15·8	275					23	15·9	14·2	280	23	14·3	12·9	280	3	10.3	10·0	278	19	8·4	6·7	284
6·0 „	4	19·0	18·7	282					21	17·6	15·6	275	23	15·9	14·5	279	1	15·0	15·0	270	19	10·0	7·7	282
7·2 „	2	17·5	17·3	291					10	18·2	16·6	272	17	19·0	17·5	276					16	13·9	11·7	286
9·0 „	1	23·0	23·0	285					1	17·0	17·0	270	2	23·5	23·5	270					7	18·0	16·2	269

Station	JAGDALPUR								JAIPUR/SANGANER												JAMSHEDPUR			
Time in I.S.T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	0·9	0·5	019	31	0·4	0·3	045	31	0·6	0·5	077	31	1·6	0·4	314	31	1·7	1·0	048	31	0·4	0·3	303
0·15 a. g.	30	3·1	1·9	037	31	5·6	4·9	056	31	4·7	2·0	057	30	3.2	0·9	331	31	6·2	3·3	059	31	2·5	1·8	316
0·3 a. m. s. l.																					31	2·5	1·4	331
0·6 „	30	2·2	1·2	036	31	4·0	3·4	058	31	5.2	1·9	061	30	3·5	1·0	330	31	6·5	3·1	065	31	3·6	1·8	343
0·9 „	30	3·0	2·0	031	31	5·7	4·8	055	31	5·0	0·7	007	30	3·7	1·2	331	31	5·4	1·6	050	31	4·6	2·4	334
1·5 „	30	2·9	2·0	021	31	4·4	2·5	040	31	5·1	2·4	313	30	4·7	2·7	327	31	4·5	1·9	268	30	5·7	4·3	305
2·1 „	28	3·7	2·3	004	29	3·4	1·1	003	31	6·7	4·4	300	30	6·3	4·6	308	31	6·4	4·6	274	30	8·2	7·5	309
3·0 „	25	4·7	3·3	355	24	5·0	3·0	001	30	8·7	7·6	248	29	10·0	8·2	289	28	8·6	7·1	280	28	10·7	9·9	308
3·6 „	22	5·0	4·4	326	15	5·6	4·1	349	29	10·7	9·5	283	28	11·7	9·3	283	15	9·3	7·9	285	22	10·8	10·1	302
4·5 „	22	8·5	5·8	305	7	6·4	5·1	306	27	13·9	12·7	279	27	14·1	12·6	279	1	19·0	19·0	278	16	12·2	11·1	291
5·4 „	21	11·1	8·2	301	4	7·0	6.4	263	22	16.2	15·5	276	23	14·5	13·8	277					7	12·5	11·6	269
6·0 „	20	12·7	10·2	293	3	8·3	7·8	262	20	19·7	18·1	274	22	17·8	17·3	274					2	11·5	9·5	298
7·2 „	17	14·2	11·6	284					13	20·9	19·5	268	13	20·8	20·4	272								
9·0 „	9	19·2	17·0	299					1	25·0	25·0	260	2	20·0	20·0	277								

Table IV.—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 km. above mean sea level

January, 1965 (Pausa 11—Magha 11, 1886 Saka)

Station	JAMSHEDPUR				JHARSUGUDA												JODHPUR							
Time in I. S. T.	1730				0530				1730				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	1·0	0·7	308	31	1·3	1·1	031	31	0·7	0·2	253	31	0·7	0·2	313	31	2·1	1·7	038	31	2·1	1·1	07
0·15 a. g.	31	2·1	1·3	322	28	3·5	3·3	038	31	2·5	0·8	313	31	3·8	0·4	351	30	7·3	4·4	074	30	4·1	2·5	08
0·3 a m. s. l.	31	2·2	1·3	315	28	3·5	3·1	037	31	2·4	0·7	311	31	3·1	0·7	018	30	7·4	4·9	070	30	2.9	2·6	07
0·6 ,,	31	2·7	1·6	312	28	4·1	3·0	041	31	2·4	1·4	293	31	3·9	1·0	332	30	6·5	3·1	099	30	4·1	2·2	10
0·9 ,,	31	3·4	2·3	317	28	4·1	2·4	021	31	2·7	1·7	296	31	3·7	1·9	328	30	5·8	1·7	118	29	4·1	1·1	08
1·5 ,,	31	5·3	4·3	308	27	4·8	4·0	332	30	4·2	3·4	322	30	4·9	3·0	332	30	5·2	1·1	234	29	4·6	0·6	34
2·1 ,,	30	8·2	7·3	307	27	7·0	6·3	335	29	6·6	5·8	326	30	6·1	4·2	330	30	6·0	4·2	281	29	5·3	2·1	27
3·0 ,,	27	10·5	10·0	300	27	8·1	7·4	316	27	8·4	5·7	266	27	7·5	6·6	303	29	7·9	6·3	282	29	7·6	6·4	26
3·6 ,,	23	12·5	11·7	296	25	8·0	7·2	313	26	9·6	8·7	303	2	10·0	9·5	290	27	10·3	8·7	270	29	9·6	9·2	26
4·5 ,,	21	14·5	13·1	286	24	10·3	9·4	299	24	12·0	11·1	292					27	12·8	12·1	263	28	13·6	11·8	27
5.4 ,,	11	15·2	14·1	274	23	13·5	11·6	286	22	14·6	13·1	289					26	18·3	17·4	262	27	17·3	16·6	26
6·0 ,,	8	16·7	15·9	270	20	15·3	13·1	285	21	17·2	15·6	278					26	20·7	18·0	266	26	19·6	17·4	26
7·2 ,,	1	15·0	15·0	270	8	20·0	18·1	276	8	19·0	17·5	278					25	25·6	23·9	260	21	24·2	23·6	26
9·0 ,,									2	27·5	27·5	297					12	23·7	23·2	260	18	29·7	27·8	24

Station	JODHPUR								LUCKNOW/AMAUSI												MADRAS/ MINAMBAKKAM			
Time in I. S. T.	1730*				2330				0530				1730				2330				0530*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	2·3	0·8	062	31	2·3	1.3	041	31	1·3	0·7	276	31	2·4	1·9	297	31	1·2	0·8	278	31	3·1	2·7	03
0·15 a. g.	31	4·7	3·1	020	31	7·0	3·9	064	31	6·0	3·7	328	31	4·9	4·0	300	31	6·9	4·7	310	31	5·7	5·1	05
0·3 a m.s. l.	31	4·6	3·1	022	31	6·5	3·9	051	31	6·0	3·8	326	31	5·0	3·9	301	31	6·9	4·9	30	31	5·4	4·9	05
0·6 ,,	31	4·1	1·9	030	31	6·9	2·7	076	31	7·0	5·0	307	31	5·8	4·7	298	31	6·9	5·4	306	31	5·2	4·9	07
0·9 ,,	31	3·7	1·0	035	31	6·0	2·2	099	31	8·2	6·3	308	31	6.4	5·6	297	31	6·9	5·7	305	31	6·4	6·0	07
1·5 ,,	31	3·7	0·6	307	31	5·0	1·1	167	30	9·3	7·7	307	29	8·4	7·5	307	29	7·6	6·2	301	31	7·2	6·6	06
2·1 ,,	31	5·6	3·2	267	30	5·7	2·5	194	29	11·1	8·3	301	29	10·9	9·4	305	27	9·6	7·2	300	31	6·4	5·9	06
3·0 ,,	31	8·3	6·9	267	30	8·0	6·0	269	20	12·5	10·6	288	29	12·8	11·4	297	12	8·8	7·3	286	31	5·0	3·4	07
3·6 ,,	31	10·3	9·1	265	17	8·9	6·2	286	17	14·4	12·2	283	26	13·5	12·5	292	8	11·6	9·7	282	31	5·2	1·6	06
4·5 ,,	31	13·8	12·7	259	4	9·5	8·1	228	12	15·8	14·7	287	23	15·2	13·9	285					31	6·1	0·3	09
5·4 ,,	29	17·1	16·0	257					6	18·0	17·6	287	18	16·5	15·1	280					31	6·7	1·5	26
6·0 ,,	27	18·6	17·9	255					5	21·6	18·2	283	13	15·8	14·6	286					31	6·5	2·8	25
7·2 ,,	26	23·8	22·7	250					2	15·0	14·7	275	7	16·3	14·4	277					31	8·8	6·1	24
9·0 ,,	19	28·0	27·4	258									1	15·0	15·0	295					31	13·9	10·5	25

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

January, 1965 (Pausa 11—Magha 11, 1886 Saka)

Station	MADRAS/MINAMBAKKAM												MANGALORE/BAJPE											
Time in I. S. T.	1130				1730*				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface.	31	3·4	3·0	058	31	4·5	4·2	052	31	2·4	1·9	048	31	1·9	1·8	088	31	3·6	2·7	279	31	0·7	0·4	002
0·15 a. g.	31	5·0	4·5	062	31	6·7	6·3	057	31	6·1	5·8	055	31	6·9	6·0	095	31	5·2	4·3	282	31	4.0	3·4	330
0·3 a. m. s. l.	31	5·6	5·3	064	31	6·4	5·8	058	31	6·5	6·2	059	31	7·7	7·0	094	31	5·1	4·2	284	31	4·2	3·4	329
0·6 ,,	31	5·6	5·5	061	31	6·3	6·0	060	31	7·2	7·0	061	31	7·5	6·8	095	31	3·3	1·1	329	31	3·9	2·6	346
0·9 ,,	31	5·7	5·5	059	31	6·3	6·0	060	31	7·6	7·4	063	31	6·1	5·1	095	31	3·2	2·2	085	31	4·1	2·0	047
1·5 ,,	24	7·3	7·0	061	31	7.1	6·6	066	31	7·4	6·9	063	31	5·9	4·1	097	31	6·4	6·2	089	31	6·8	6·5	090
2·1 ,,	21	8·2	7·4	062	31	5·8	5·2	067	30	6·6	6·1	058	31	5·8	4·4	086	31	8·5	8·1	083	31	7·4	7·1	094
3·0 ,,	11	5·7	4·7	081	31	5·2	3·2	070	27	5·9	5·0	066	31	4·9	2·7	072	31	6·0	4·1	075	30	5·1	2·6	055
3·6 ,,	9	5·4	3·6	071	31	4·8	1·4	068	19	5·6	3·1	071	31	5·2	1·7	074	30	5·8	1·6	067	24	4·8	0·4	083
4·5 ,,	6	6·5	2.3	086	31	5·6	0·4	045	10	6·8	3·6	055	30	6·5	1·9	102	29	7·0	1·6	086	12	5·9	0·7	030
5·4 ,,	6	4·3	1·0	271	31	6·3	1·5	285	4	7·5	3·9	256	30	7·8	0·4	147	26	7·7	1·7	239	9	6·7	1·4	293
6·0 ,,	5	3·2	1·5	181	31	6·9	3·2	270	3	13·0	6·5	259	28	7·9	1·2	248	26	8·0	3·2	249	5	6·8	5·2	244
7·2 ,,	5	6·4	3·2	262	31	8·3	5·6	250					17	7·5	5·2	255	20	8·3	6·3	248	1	2·0	2·0	175
9·0 ,,	1	8·0	8·0	290	31	14·0	11·6	250					14	8·7	6·4	237	16	12.0	9·6	254				

Station	MINICOY																NAGPUR/SONEGAON							
Time in I. S. T.	0530				1130				1730*				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface.	31	0·7	0·5	046	31	2·4	1·8	057	31	2·4	1·7	041	31	1·7	1·4	068	31	1·7	1·1	031	31	1·5	1·3	064
0·15 a. g.	31	3·2	2·3	045	31	4.7	3·8	045	31	3·4	2·6	041	31	3·7	3·1	059	31	3·7	3·0	056	31	3·0	2·7	060
0·3 a. m. s. l.	31	3·1	2·5	050	31	4.5	3·7	046	31	3·6	2·9	049	31	3·8	3·2	057								
0·6 ,,	31	4·1	3·4	061	31	4·6	3·9	055	31	3·8	3·3	056	31	3·8	3·3	061	31	3·4	2·7	071	31	3·3	2·7	078
0·9 ,,	31	4·9	4·3	079	31	4·9	4·3	072	31	4·0	3·5	065	31	4·3	3·7	070	31	3·5	2·1	095	28	3·2	1·7	104
1·5 ,,	30	5·4	4·6	084	31	5·2	4·2	089	31	4·3	3·0	081	31	4·8	3·5	084	31	4·5	1·2	026	26	4·4	1·5	022
2·1 ,,	30	5·0	3·1	088	30	5·1	2·9	094	31	4·7	2·3	077	31	5·2	3·1	075	31	5·5	2·4	328	25	5·8	3·8	003
3·0 ,,	28	5·6	2·4	081	30	6·2	2·5	085	31	5·4	2·6	066	31	5·5	3·2	087	31	6.7	3·8	312	25	5·3	3·5	343
3.6 ,,	28	5·5	2·3	095	28	6·1	2·7	084	31	5·5	3·1	082	14	4·5	0·8	088	31	7·0	4·3	301	25	5·6	3·8	315
4·5 ,,	28	6·5	3·0	104	26	6·4	3·7	107	31	5·5	3·0	095	4	5·5	1·6	260	31	11·7	7·5	288	24	8·3	6·5	290
5·4 ,,	26	6·8	2·2	110	23	6·7	2·9	108	31	6·0	2·4	078	1	10·0	10·0	360	31	12·6	10·8	273	24	11·7	9·8	278
6·0 ,,	26	5·9	0·3	308	21	6·3	1·0	083	31	5·9	0·9	041	1	11·0	11·0	345	31	13·7	12·3	271	23	13·5	11·8	278
7·2 ,,	22	8·6	6·4	252	17	7·9	4·7	247	31	6·8	2·9	233					31	15·7	14·3	274	20	16·2	10·5	273
9·0 ,,	14	14·8	12·3	240	13	14·3	10·2	245	31	10.4	5·0	241					31	20·5	18·7	267	19	23·9	21·9	266

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

January, 1965 (Pausa 11— Magha 11, 1886 Saka)

Station	NAGPUR/SONEGAON								NEW DELHI/SAFDARJUNG															
Time in I.S.T.	1730*				2330				0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	1·2	0·9	075	31	1·2	0·9	084	31	1·9	1·6	319	31	3·5	2·6	308	31	3·4	2·5	312	31	1·7	1·5	305
0·15 a. g.	30	2·3	2·0	065	31	4·5	4·0	104	31	7·1	5·5	326	30	5·0	3·3	309	30	6·1	4·7	309	31	7·2	5·9	318
0·3 a. m. s. l.									31	5·4	3·9	329	30	4·3	2·9	306	30	4·4	3·3	313	31	6·3	4·8	317
0·6 „	30	2·3	1·7	073	31	4·3	3·6	110	31	7·5	5·6	326	30	5·9	4·1	308	30	6·5	4·9	313	31	8·0	6·9	318
0·9 „	30	2·3	1·0	080	31	3·7	2·1	102	31	7·8	6·3	321	30	7·2	5·6	306	30	7·2	5·9	311	31	7·9	6·6	317
1·5 „	30	3·2	0·9	350	31	4·0	1·6	004	31	8·8	7·7	308	30	8·8	7·5	303	30	8·6	6·8	310	30	8·8	7·7	305
2·1 „	30	4·9	2·6	332	30	5·8	2·7	337	31	9·1	7·9	303	30	9·2	8·1	298	30	8·8	7·1	303	25	8·1	6·8	295
3·0 „	30	7·0	3·7	305	30	6·1	3·4	291	31	9.0	8·1	295	30	9·7	8·6	287	30	9·8	8·7	295	18	8·1	6·7	291
3·6 „	30	7·2	4·4	289	22	5·7	4·3	303	31	8·7	7·9	281	26	10·4	9·1	281	30	10.3	9·1	291	2	9·0	8·0	297
4·5 „	30	8·9	7·1	284	8	8·1	7·1	280	31	12·2	11.4	279	25	13·1	11·6	279	30	12·7	11·0	281				
5·4 „	30	11·8	10.3	277	6	9·5	8·6	277	31	15·9	15·0	273	25	16·8	15·5	277	30	17·7	16·4	275				
6·0 „	30	13·2	11·8	274	1	11·0	11·0	300	31	19·0	18.3	273	25	20.0	18.4	276	30	20·1	19·1	273				
7·2 „	29	15·5	14·0	271					31	25·6	24·4	269	22	24·0	22·8	270	30	25·5	24·2	268				
9·0 „	29	20·4	19·0	265					31	32·9	31·2	268	7	31.1	29·1	270	28	29·8	28·4	269				

Station	POONA												PORT BLAIR											
Time in I. S.T.	0530				1730				2330				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	0·1	0·1	090	31	1·0	0·1	203	31	0·3	0·2	090	31	2·8	2·5	057	31	3·5	3·3	057	31	3·2	2·8	048
0·15 a. g.	31	3·3	1·7	096	31	4·2	1·8	091	31	4·7	1·6	061	31	6·0	4·9	049	31	6·2	5·5	056	31	6·4	5·7	053
0·3 a. m. s. l.													31	6·0	5·2	052	31	6·5	6·0	057	31	6·4	5·8	054
0·6 „	31	1·5	0·5	188	31	2·6	1·2	085	31	2·2	0·4	165	31	6·5	5·8	061	31	6·6	5·8	064	31	6·3	5·8	056
0·9 „	31	5·0	3·7	098	31	4.1	2·0	095	31	5·4	2·5	054	31	6·3	5·6	067	31	6·4	5·3	067	31	6·3	5·7	062
1·5 „	31	6·9	5·4	113	31	4·3	2·3	086	31	6·3	4·9	094	31	6·2	4·6	084	28	6·1	4·3	078	31	5·3	4·2	078
2·1 „	31	6·5	3·4	117	31	4·8	2·3	099	31	8·8	4·6	103	31	5·8	3·1	086	23	5·5	2·6	083	31	4·7	2·5	065
3·0 „	31	5·8	0·7	291	30	5·1	1·0	121	30	6·3	2·7	113	31	5·6	1·3	098	19	6·3	2·5	082	31	5·0	0·8	077
3·6 „	29	5·6	2·0	254	28	5·9	1·5	252	26	5·5	1·0	228	31	5·7	1·2	050	18	5·4	2·6	064	31	5·4	1·9	055
4·5 „	15	5·8	2·8	280	27	7·1	4·1	267	13	4·3	3·2	293	31	5·2	2·2	035	17	5·9	3·2	073	31	5·7	2·2	062
5·4 „	9	5·3	4·4	249	23	7·7	5·8	269	5	6·0	5·7	284	31	4·7	1·3	052	16	5·4	2·3	094	31	5·3	1·5	050
6·0 „	4	7·7	7·6	251	23	9·1	7·4	269	1	4·0	4.0	266	31	5·1	0·4	048	16	5.1	1·5	255	31	5·5	0·8	143
7·2 „					19	11·2	9·3	271					31	6·5	1·5	268	13	7·1	2·8	120	31	6·8	1·0	254
9·0 „					12	21·0	19·4	265					30	8·6	4·7	227	11	10.5	7·0	201	30	9·0	5·5	225

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

January, 1965 (Pausa 11— Magha 11, 1886 Saka)

Station	PORTBLAIR				RAIPUR												RAXAUL							
Time in I.S.T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	3·3	2·9	055	31	0.7	0 5	046	31	1·2	0·8	017	31	1·1	0·4	089	31	0·8	0·2	025	31	1·6	1·4	259
0·15 a. g.	31	6·0	5·5	054	26	3·5	2·7	054	31	2·3	1·6	018	31	3.3	1·7	075	24	3·4	0·9	326	31	4·0	3·4	256
0·3 a. m. s. l.	31	6·2	5·7	056													24	3·5	1·2	314	31	4·0	3·4	257
0·6 ,,	31	6·3	5·8	061	26	3.6	2·9	069	31	2·3	1·5	025	31	3.3	1·5	070	24	3·5	1·7	299	31	4·3	3·5	258
0·9 ,,	31	6·4	5·6	070	26	3·2	2·1	052	31	2·2	1.0	014	31	3·0	0.6	058	24	4·3	1·5	301	31	4·2	3·0	272
1·5 ,,	31	5·3	3·8	069	26	4·3	3·1	008	29	3.8	2·3	348	30	3.8	2.3	341	24	6.7	2·1	292	31	5·7	2·3	280
2·1 ,,	29	4·0	1·9	067	26	5·8	4·7	343	27	5·6	4·6	345	29	6.1	3·9	342	22	8·0	2·3	292	30	8·3	4·4	300
3·0 ,,	21	4·3	1·1	005	26	6·9	5·5	322	25	5·7	4·4	325	29	6·5	4·5	302	15	10·3	5·4	278	18	11·3	9·5	294
3·6 ,,	13	5·1	2·8	060	25	6·8	5·8	317	25	6·9	5.7	310	26	7·8	6·3	295	7	10·4	7·9	297	8	13·7	13·1	288
4·5 ,,	9	6·9	3·3	088	25	9.7	8.8	288	24	10·4	8.6	291	13	8·7	7·1	281	1	11·0	11·0	290	4	14.5	13.6	279
5·4 ,,	1	8·0	8·0	030	24	12.8	10.7	278	24	14·4	12.6	281	5	8·7	7.1	281					2	19.5	19·5	264
6·0 ,,	1	9·0	9.0	018	23	14.3	12.4	276	23	15·5	14·0	280												
7·2 ,,					20	16.8	15.2	268	21	18·7	16·9	276												
9·0 ,,					12	20.0	19.2	275	15	25·9	24.4	267												

Station	SILIGURI BAGHDOGRA												SRINAGAR								TIRUCHCHRAPPALLI			
Time in I.S.T.	0530				1730				2330				0530*				1730*				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	1·1	0·7	025	31	2·2	1·4	230	31	1·0	1·0	027	15	0·4	0·4	165	17	0·4	0·0	034	31	3·1	2·9	015
0·15 a. g.	30	3·2	2·9	064	31	2·9	1·9	223	31	1·9	0·8	020	15	1·5	0·9	141	17	1·4	0·6	140	31	7·3	7·1	025
0·3 a. m. s.l.	30	3·4	2·3	065	31	3·0	2·0	222	31	1·9	0·6	350									31	7.5	7.4	035
0·6 ,,	30	3·3	3·2	080	31	3·0	1·9	231	31	2·3	1.0	280									31	8.3	8.0	049
0·9 ,,	30	2·9	2·0	084	31	2·9	1·3	230	31	2·5	1·0	284									31	8.2	8.0	056
1·5 ,,	30	3·2	1·1	077	31	2·9	0·3	283	31	2·9	0·5	138									29	6.7	6·3	064
2·1 ,,	30	4·3	0·3	139	29	3·4	0·8	355	30	4·0	0·3	309	15	0·9	0·6	136	17	1·7	0·9	170	27	6·0	5·3	068
3·0 ,,	26	10·7	8·3	283	22	8·4	6·9	290	23	8·7	6·3	276	15	2·5	1·9	138	17	3·6	3·3	156	25	6.3	4·2	069
3·6 ,,	18	13·8	12·7	282	20	13·1	12.7	279	5	12.2	12.0	280	15	5·9	5·3	147	16	7.1	7.0	155	25	6·0	3·2	077
4·5 ,,	9	14·5	13·5	293	10	14·7	14.2	284					15	6·6	6·1	192	16	6.6	6.1	174	22	6·5	2.8	089
5·4 ,,	6	13·8	13·0	288	6	16.6	15.6	286					15	9·6	7·7	239	16	9·1	7·8	212	21	6·6	1·8	080
6·0 ,,	2	18·5	18·5	298	6	16.6	13.7	283					15	12·3	10.3	255	16	11.1	9.2	239	20	5·9	1·1	013
7·2 ,,	2	24·5	24.4	307	2	16.0	15.8	321					15	16.7	14.6	257	15	17.5	15·0	252	17	6.8	3·2	250
9·0 ,,													14	24.0	22.0	263	14	22.8	19.9	260	13	10·0	4·6	256

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 km. above mean sea level

January, 1965 (Pausa 11—Magha 11, 1886 Saka)

Station	TIRUCHCHIRAPPALLI								TRIVANDRUM															
Time in I. S. T.	1730				2330				0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	4·6	4·2	069	31	3·7	3·5	054	31	1·5	1·2	039	31	0·8	0·3	086	31	2·1	1·7	247	31	0·9	0·4	348
0·15 a. g. .	31	6·4	6·3	067	31	8·2	8·0	059	31	2·9	1·9	035	31	2·4	0·9	056	31	3·8	3·1	252	31	3·2	0·8	331
0·3 a. m. s. l. .	31	6·5	6·4	066	31	9·0	8·8	060	31	2·8	1·8	043	31	2·4	1·1	045	31	3·3	2·6	255	31	3·0	0·6	333
0·6 ,, .	31	7·0	6·9	060	31	9·8	9·6	059	31	1·9	1·1	074	31	2·2	1·4	059	31	2·6	1·1	318	31	3·0	1·0	026
0·9 ,, .	31	7·4	7·2	055	31	9·0	8·8	052	31	3·1	1·9	085	31	2·5	1·6	050	31	3·6	2·9	318	31	3·5	2·6	062
1·5 ,, .	31	6·9	6·8	046	31	6·8	6·5	041	31	3·1	1·6	060	28	2·7	1·4	045	31	5·9	5·6	053	30	4·2	3·9	070
2·1 ,, .	30	5·8	5·5	053	30	6·6	5·4	060	31	4·2	0·7	041	27	4·0	1·8	061	31	5·0	3·5	054	28	5·2	3·7	068
3·0 ,, .	25	5·9	3·8	056	30	5·9	3·9	068	31	4·9	1·6	059	25	6·3	3.3	083	31	6·1	2·4	071	24	4·8	2·0	086
3·6 ,, .	23	5·8	2·9	075	27	6·1	2·9	073	31	6·0	2·4	081	22	6·3	4·2	086	31	6·5	2·9	092	19	4·7	2·1	118
4·5 ,, .	17	6·3	5·4	094	19	6·4	2·8	082	31	7·0	3·9	099	22	8·1	5·5	086	31	6·7	3.9	092	10	7·1	4·3	102
5·4 ,, .	15	5·9	3·7	076	9	8·9	3·4	072	31	7·3	3·8	090	19	7·7	3·9	076	30	7.9	4.2	087	6	7·8	4·1	070
6·0 ,, .	11	4·0	0·6	111	1	3·0	3·0	285	31	6.8	1·7	051	19	7·7	2·8	038	30	7.2	1.9	063	4	6·5	2·4	095
7·2 ,, .	9	7·0	2·5	190					31	8.0	2.1	202	18	7·8	2·0	269	31	7·6	2·1	226				
9·0 ,, .	5	9·2	4·0	211					31	12·0	5·4	222	16	11·5	5·5	238	31	11·1	5·1	229				

Station	UDAIPUR												VENGURLA											
Time in I. S. T.	0530				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	—	CALM		31	0·3	0·3	065	31	0·2	0·1	019	31	1·0	0·7	028	31	2·3	1·9	263	31	1·0	1·0	360
0·15 a. g. .	30	2·1	0·9	042	31	2·5	0·9	059	30	2·8	0·2	036	31	4·5	3·3	047	31	4·3	3·3	264	31	5·1	4·0	008
0·3 a. m. s. l. .													31	4·8	3·1	059	31	4·4	2·8	259	31	5·1	3·7	006
0·6 ,, .													31	5·0	3·1	087	31	3·6	0·8	131	31	5·1	2·8	035
0·9 ,, .	30	3·3	1·7	069	31	2·7	0·9	061	30	3·4	1·8	055	31	5.4	8·7	100	31	3·9	1·8	096	31	5·6	3·4	061
1·5 ,, .	30	4·5	0·5	068	31	3·3	1·0	299	30	3·4	0·3	095	31	7·1	5·3	108	30	6·6	5·6	080	31	7·3	6·0	094
2·1 ,, .	30	5·0	3·0	278	31	4·7	2·7	275	30	4·3	1·9	242	29	6·6	4·9	092	30	8·5	7·1	079	31	7·4	5·9	095
3·0 ,, .	30	7.5	5·6	270	29	7·1	5·2	270	30	6·8	4·5	274	28	4·8	1·2	068	30	6·9	3·6	074	28	5.6	3·2	078
3·6 ,, .	30	8·9	6·7	270	29	9·4	6·8	267	25	9·4	7·2	272	6	4·8	2·5	006	30	6.1	1·4	054	11	4·7	1·5	021
4·5 ,, .	30	12·2	10.5	270	27	11·3	9·2	275	13	10·8	9·6	271					28	6·6	1·7	268	1	7.0	7·0	310
5·4 ,, .	30	15·4	14·7	282	27	13·6	12·1	271	2	7·0	5·5	264					27	7·1	3·1	271				
6·0 ,, .	29	17·3	16·2	275	26	15·1	13·4	270									27	8·7	5·1	269				
7·2 ,, .	24	20·7	19·7	265	20	17·7	16·7	272									23	10·5	8·3	258				
9·0 ,, .	16	21·0	20·3	266	9	18·8	18·4	274									9	20·1	18·4	265				

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9 Km. above mean sea level

January, 1965 (Pausa 11—Magha 11, 1886 Saka)

Station	VERAVAL												VIJAYAWADA/GANNAVARAM											
Time in I. S. T.	0530				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	V	D
Surface . .	31	3·5	3·2	027	31	4·4	3·2	271	31	2·6	2·1	353	31	2·6	2·3	058	31	3·1	2·5	113	31	1·7	1·4	123
0.15 a. g. .	31	8·6	8.1	026	31	4·9	2·0	250	31	6·4	4·6	357	31	4·1	3·6	087	31	3·8	3·6	119	31	5·5	5·1	131
0.3 a. m. s. l. .	31	7·3	6·5	028	31	4·8	1·4	273	31	6·3	4·1	004	31	4·3	3·9	104	31	4·0	3.7	114	31	5·7	5·5	124
0.6 ,, .	31	5·2	4·1	035	31	4·3	1·3	352	31	5·6	3·4	014	31	4·7	3·9	104	31	4·0	3·4	103	31	5·4	5·1	110
0.9 ,, .	31	4·5	2·8	047	31	3·8	2·2	023	31	5·1	2·6	039	31	5·4	4·4	091	31	4·0	3·3	077	31	5·0	4·3	084
1.5 ,, .	31	4·5	1·3	123	31	4·5	1·4	085	31	4.7	2·4	070	31	5·6	4·6	063	31	5·5	4·1	050	31	5·6	4·5	050
2.1 ,, .	31	6·1	1·5	174	30	5·8	0·6	256	30	5·2	1·2	081	31	5·4	3·7	064	30	5·3	4·3	041	31	5·3	3·6	050
3.0 ,, .	31	6·8	1·6	225	30	6·7	2·9	268	30	6·1	1·0	167	30	5·4	1·8	034	28	4·9	2·4	017	30	4·3	1.8	035
3.6 ,, .	2	4·0	3·2	297	29	7·2	4·3	266	14	6·9	2·7	258	30	6·0	1·0	329	28	5·4	1·6	345	29	5·4	0.8	328
4.5 ,, .					29	9·9	8·2	271	10	7·9	6·8	261	29	7·0	2·8	280	28	6·8	2·9	306	28	7·3	3.0	299
5.4 ,, .					29	12·8	11·4	262	3	12·0	11·8	268	28	9·0	5·7	277	26	8·2	4·8	295	26	8·8	5.3	269
6.0 ,, .					29	14·3	12·8	263	3	12·7	12·6	264	27	10·0	7·8	263	26	8·6	6·0	276	22	10·7	7·0	249
7.2 ,, .					22	18·1	16·7	251					25	11·5	9·8	262	22	10·4	8·8	262	8	14·2	13·0	239
9.0 ,, .					18	24·4	23·4	263					21	15·9	14·7	262	16	17·6	15·7	265				

Station	VISHAKHAPATNAM																							
Time in I. S. T.	0530*				1130				1730*				2330											
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	3.5	3·2	014	31	1·4	1·0	084	31	4·2	3·7	050	31	0·5	0·3	057								
0.15 a. g. .	31	5·8	5·6	019	31	3·5	2·8	083	31	6·2	5·7	051	31	2·7	1·7	088								
0.3 a. m. s. l. .	31	5·1	4·9	028	31	3·5	2·8	076	31	5·6	4·9	062	31	2·9	2·0	095								
0·6 ,, .	31	4·0	3·5	056	31	3·6	3·1	056	31	4·9	3·1	083	31	3·1	2·0	097								
0.9 ,, .	31	4·3	3·4	057	31	4·2	3·9	053	31	4·7	3·7	067	30	3·7	2·4	079								
1.5 ,, .	31	5·9	4·6	044	31	5·5	4·7	041	31	6·2	5·1	018	27	4·6	3·7	028								
2.1 ,, .	31	6·9	4·2	024	30	5·1	3·5	035	31	6·2	4·8	354	21	5·2	4·3	021								
3.0 ,, .	31	6·3	2·5	353	23	5·8	1·9	011	31	5·7	3·5	341	20	4·7	2·5	025								
3.6 ,, .	31	5·7	2·6	293	18	5·1	1·7	328	31	5·4	2·5	307	16	4·9	2·1	358								
4·5 ,, .	30	8·1	4·5	284	15	6·5	3·6	280	30	7·1	3·7	304	4	4·7	3·5	329								
5.4 ,, .	29	10·2	8·0	283	14	8·7	7·7	268	29	10·9	8·4	293	1	11·0	11·0	355								
6.0 ,, .	29	12·2	9·9	275	13	11·1	9·9	267	29	12·2	9·6	280	1	10·0	10·0	345								
7.2 ,, .	29	16·4	13·6	266	8	14·3	12·3	248	29	14·7	12·4	263												
9.0 ,, .	29	24·4	21·4	255	7	17·4	16·0	256	29	21·3	19·7	264												

TABLE V—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds above 9.0 km. above mean sea level

January, 1965 (Pausa 11—Magha 11, 1886 Saka)

Ht. in Km.	n	V	v	D
	AGARTALA			
	1730 hr.			
10·5	1	23·0	23·0	295
12·0	1	27·0	27·0	280
	AHMADABAD			
	0530 hr *			
10·5	25	28·2	26·8	265
12·0	24	33·3	32·0	262
14·1	13	37·6	36·2	258
16·2	7	37·0	36·0	259
	1130 hr.			
10·5	9	30·7	29·1	262
12·0	7	30·9	30·6	266
14·1	2	32·5	32·0	263
16·2	1	14·0	14·0	268
	1730 hr.*			
10·5	25	29 6	26·8	263
12·0	23	33·0	29·8	267
14·1	11	38·8	36·8	272
16·2	3	41·7	40·5	271
	ALLAHABAD/BAMHRAUL			
	0530 hr.*			
10·5	23	34·8	31·3	269
12·0	22	39·3	36·9	263
14·1	6	41·8	40·0	266
16·2	3	34·3	33 7	252
	1730 hr.*			
10·5	24	33·3	30 1	266
12·0	23	38·8	37·4	263
14·1	10	36·1	34·4	260
16·2	1	52·0	52·0	283
	ANANTAPUR			
	0530 hr			
10·5	7	10·3	8·3	245
12·0	5	12·2	11·8	213
14·1	2	11·5	10 5	221
	BAHRAICH			
	1130 hr.			
10·5	2	11·0	10·9	300
12·0	1	17 0	17·0	270
	1730 hr.			
10·5	2	30 0	28·2	27[illegible]
	BANGALORE			
	0530 hr @			
10·5	13	18·7	15·5	251
12.0	12	22·8	20 3	250
14·1	10	18·9	13·9	257
16·2	9	10·9	7·7	269
18·0	7	10·0	3·9	272
21·0	4	8·7	5·9	275
24·0	1	6·0	6·0	020

Ht. in Km.	n	V	v	D
	1130 hr.			
10·5	6	16·2	14·0	257
12·0	6	20·0	15·5	269
14·1	5	17·4	13·4	270
16·2	5	8·4	8·0	249
18·0	4	11·0	9·6	273
21·0	3	6·7	3·9	344
	1730 hr. @			
10·5	18	20·9	17 7	253
12·0	17	21·1	17·2	254
14·1	11	14·5	11·1	274
16·2	10	9·6	6·5	271
18·0	7	6·1	5·2	290
21·0	7	7·1	6·9	269
24·0	2	5·5	5·5	266
	BAREILLY			
	0530 hr.			
10·5	1	10·0	10·0	322
12·0	1	23 0	23·0	335
	BHUJ/RUDRAMATA			
	0530 hr.			
10·5	1	18 0	18·0	255
12 0	1	22·0	22·0	259
	BOMBAY/SANTACRUZ			
	0530 hr *			
10·5	30	28·2	25 9	247
12·0	29	32·8	31 4	249
14·1	20	32·1	29·[illegible]	250
16 2	13	19 3	17.3	243
18·0	4	12·0	11·5	239
21·0	2	16·0	10·3	256
	1130 hr.			
10.5	19	27·6	2[illegible] 7	266
12 0	15	30·7	27·1	253
14.1	9	31 7	29 3	259
16 2	5	32·2	3[illegible]·2	268
18 0	1	23 0	22 8	244
	1730 hr.*			
0*5	31	28·3	24·2	251
12 0	29	28 7	26·0	252
14·1	24	28 0	25 8	250
16 2	17	26·0	24 0	253
18·0	9	22·6	22·1	249
21·0	2	14·0	13 9	280
	CALCUTTA/DUMDUM			
	0530 hr.*			
10·5	31	29·3	27 8	265
12·0	31	31·8	29 9	261
14·1	31	25·9	24·9	263
16·2	30	24·3	23·3	265
18·0	18	19·9	19 0	273
21·0	1	15·0	15·0	310

Ht. in Km.	n	V	v	D
	1130 hr.			
10·5	2	23·5	22·5	272
12·0	2	26·5	25·0	269
14·1	1	28·0	28·0	285
	1730 hr.*			
10·5	31	31·5	30·2	263
12·0	30	36·8	36·0	257
14·1	25	30·2	28·4	264
16·2	22	24·3	24·0	266
18·0	11	15·4	12 8	279
	DIBRUGARH/MOHANBARI			
	1130 hr.			
10·5	4	57·7	38·0	287
12·0	2	67·0	67·0	270
	GADAG			
	0530 hr.			
10·5	10	19·4	16·4	266
12·0	9	23·0	17 5	271
14·1	6	26·5	18·7	248
16·2	3	10 3	7·8	235
18·0	3	12·0	11·7	245
21·0	3	13·0	10 2	228
	1730 hr.			
10·5	9	22·0	19·5	276
12·0	8	26·4	22·0	272
14·1	6	21·8	14·3	277
16·2	6	12·0	10·2	276
18·0	6	7·3	6·2	250
21·0	4	11·3	4 2	232
24 0	3	16·3	7·9	181
27·0	2	32·0	20·3	243
	GANGTOK			
	0830 hr.			
10·5	4	25·5	25·3	290
12·0	2	31·5	31·5	291
	1730 hr.			
10·5	3	25·7	24·6	283
	GAUHATI			
	0530 hr.*			
10·5	14	35·2	32·5	273
12·0	9	33·6	29·0	274
	1130 hr.			
10·5	5	38·4	37·8	292
12·0	2	41·5	40·1	288
14·1	1	30·0	30·0	290

Ht. in Km.	n	V	v	D
	1730 hr.*			
10 5	20	40·5	38·4	276
12·0	17	49·7	47·1	279
14·1	9	41·3	39·2	282
16·2	1	36.0	36·0	273
	GOPALPUR			
	1730 hr.			
10·5	1	36·0	36·0	265
	GWALIOR			
	1130 hr.			
10·5	1	23·0	23 0	265
	1730 hr.			
10·5	2	32·0	31·9	283
	JAGDALPUR			
	0530 hr.			
10·5	5	24·2	23·6	264
12·0	4	27·8	25·5	262
14·1	2	30·5	29·2	260
16 2	1	30·0	30·0	270
18·0	1	36·0	36·0	280
	1730 hr.			
10·5	4	19·7	15·9	290
12·0	3	28·0	22·6	278
14·1	1	28·0	28·0	310
16·2	1	25·0	25·0	270
	JODHPUR			
	0530 hr.*			
10·5	11	25·6	24·4	260
12·0	8	32·7	31·9	253
14 1	2	30·5	30·4	270
16·2	1	28·0	28·0	274
	1130 hr.			
10·5	8	38·4	37·7	264
12·0	5	45·6	39·3	263
	1730 hr.*			
10·5	14	29·9	28·6	262
12·0	12	29·7	28·8	257
14·1	3	37·0	36·9	260
16·2	2	35·0	35·0	253
	LUCKNOW/AMAUSI			
	1730 hr.			
10·5	1	21·0	21·0	300
12·0	1	22·0	22·0	275
	MADRAS/MINAMBAKKAM			
	0530 hr.*			
10·5	30	18·0	15·0	251
12·0	29	19·5	16·0	246
14·1	29	16·3	12·6	251
16·2	27	10·9	7·0	270
18·0	19	8·7	5·9	256
21·0	8	9·5	6·8	268
24·0	3	8·7	3·7	131

Table V—Monthly Mean Directions and Velocities of Upper Winds

Winds above 9.0 km. above mean sea level

January, 1965 (Pausa 11—Magha 11, 1886 Saka)

Ht. in Km.	n	V	v	D
	1130 hr.			
10·5	1	11·0	11·0	235
	1730 hr.*			
10·5	29	16 9	13·9	244
12·0	29	17.9	11.6	243
14·1	28	17·4	11·9	245
16·2	22	9·7	6·1	260
18·0	14	6·6	3·5	258
21.0	4	7·5	6·9	302
	MANGALORE/BAJPE			
	0530 hr			
10·5	8	11·9	4·7	170
12·0	7	14·0	10·3	220
14·1	1	16·0	16·0	225
	1730 hr.			
10·5	11	15·6	11·9	262
12·0	11	20·4	14·3	244
14·1	2	31·0	30·0	247
	MINICOY			
	0530 hr.			
10·5	3	19·3	16·7	250
12·0	2	27·5	26·9	273
14·1	1	24·0	24·0	280
16·2	1	24·0	24·0	270
	1130 hrs.			
10·5	10	16·4	14·0	269
12·0	9	18·2	15·9	275
14·1	3	13·7	13·7	277
16·2	2	15·5	15·1	245
18·0	1	3·0	3·0	255
	1730 hr.*			
10·5	31	12·4	6·1	238
12·0	31	14·9	6·8	237
14·1	30	14·4	6·4	268
16·2	29	9·2	3·1	251
18·0	26	8·1	2·7	242
21·0	13	10·8	10·2	161
24·0	9	8·8	3·0	232
	NAGPUR/SONEGAON			
	0530 hr.*			
10·5	31	24.2	22·6	261
12·0	30	24·5	22·6	255
14·1	13	27·7	26·7	261
16·2	3	20·0	18·3	248
	1130 hr.			
10·5	13	33·0	31·9	258
12·0	9	34·5	33·4	258

Ht. in Km.	n	V	v	D
	1730 hr.*			
10·5	29	23·5	21·6	264
12·0	29	24.3	21.9	258
14·1	10	26.7	25.3	255
16·2	3	34·6	33 5	253
	NEW DELHI/ SAFDARJUNG			
	0530 hr.*			
10·5	24	32 8	31·4	274
12·0	21	35·3	34·1	270
14·1	20	29·6	28·3	268
16·2	18	22·1	21.8	265
18·0	16	13·9	13·3	272
21·0	13	5·8	2·0	280
24·0	8	9·7	6·9	275
	1130 hr.			
10·5	1	19·0	19·0	270
	1730 hr.*			
10·5	23	34·1	32·0	274
12·0	22	35·5	34·1	269
14·1	20	32·2	30·9	266
16·2	15	25·5	24·6	270
18·0	14	15·6	14·4	266
21·0	12	8·1	4·1	265
24·0	8	12·1	10·3	276
27·0	3	9·3	5·3	270
30·0	1	15·0	15·0	260
	POONA			
	1730 hr.			
10·5	7	25·3	23·6	264
12·0	4	30·3	28·7	262
14·1	2	23·5	22.8	258
16·2	2	14·0	13·5	258
18·0	1	8·0	8·0	255
21·0	1	5·0	5·0	120
	PORTBLAIR			
	0530 hr.*			
10·5	30	12·0	8.4	214
12·0	30	15·4	12.1	219
14·1	21	14·5	10·5	212
16·2	14	10·3	5·1	185
18·0	5	5·6	3·5	265
21·0	1	8·0	8·0	270
	1130 hr.			
10·5	9	12·3	9·2	194
12.0	7	18·6	15·3	222
14·1	5	20·2	14·2	227
16·2	4	12·3	8·8	230
18·0	3	12·3	12·3	216
21·0	2	7·0	3·7	189

Ht. in Km.	n	V	v	D
	1730 hr.*			
10·5	30	12·0	8·9	218
12·0	30	15·1	12·0	223
14·1	20	14·6	10·3	222
16·2	7	15·3	8·7	215
18·0	2	31·0	30·6	229
	RAIPUR			
	0530 hr.			
10·5	3	28·2	27·0	268
12·0	2	39·0	38·2	261
	1730 hr.			
10·5	4	33·5	31·2	257
	SRINAGAR			
	0530 hr.*			
10·5	11	35·1	32·7	266
12·0	9	41·0	39·0	268
14·1	3	50·0	48·5	273
	1730 hr.*			
10·5	13	27·5	26·1	265
12·0	13	33·6	33·1	265
14·1	6	40·7	39·5	274
	TIRUCHCHIRAPPALLI			
	0530 hr.			
10·5	4	15·0	3·5	258
12·0	2	20·5	18·9	276
	TRIVANDRUM			
	0530 hr.*			
10·5	31	14·6	6·2	217
12·0	31	16·8	8·3	226
14·1	30	16·7	8·9	221
16·2	22	10·7	2·0	234
18·0	15	10.4	3·0	256
21·0	6	12·3	9·8	262
24.0	3	4·7	4·4	001
	1130 hr.			
10·5	15	14·8	9·1	261
12·0	12	15·6	10·1	251
14·1	11	15·4	12·1	261
16·2	8	10·5	7·3	198
18·0	7	7·9	3·0	256
21·0	6	12·0	7·2	230
24·0	3	7·3	3·4	164
27·0	1	7·0	7·0	085
	1730 hr.*			
10·5	31	14·2	7·4	214
12·0	31	16·7	8·6	221

Ht. in Km.	n	V	v	D
	1730 hr.*			
14·1	30	15·6	6·3	215
16·2	25	9·8	1·8	247
18·0	18	5·7	2·8	230
21·0	11	12 6	10·8	261
24·0	2	22.0	10·1	017
	UDAIPUR			
	0530 hr.			
10·5	7	22·3	21·8	265
12·0	2	27·5	24·7	241
	VENGURLA			
	1730 hr.			
10·5	3	22·0	21·5	251
12·0	1	35·0	35·0	260
	VERAVAL			
	1730 hr.			
10·5	10	31·0	28·1	254
12·0	7	31·9	28·8	257
14·1	5	30·2	29·2	262
16·2	3	26·7	26·7	249
18·0	1	7·0	7·0	254
21·0	1	62·0	62·0	264
	VIJAYAWADA/ GANNAVARAM			
	0530 hr.			
10·5	17	22·3	19·9	269
12·0	14	25·0	23·3	259
14·1	12	18·7	16·7	261
16·2	10	11·2	9·5	265
18·0	8	7·7	6 9	259
21·0	4	4·5	0·4	109
	1730 hr.			
10·5	12	22·0	19·9	264
12·0	8	18·3	17·5	251
14·1	3	8·7	8·3	260
	VISHAKHAPATNAM			
	0530 hr.*			
10·5	28	29·0	26·6	258
12·0	27	30·0	28·8	250
14·1	21	26·0	24 0	259
16·2	11	14·6	11·5	266
18·0	5	11·6	8·7	294
21·0	2	9·5	9·5	313
24·0	1	4·0	4·0	345
	1130 hr.			
10·5	5	23·6	20·6	264
12·0	5	27.8	24·5	267
14·1	4	20·3	18·7	257
16·2	3	18·3	17·1	265

Ht. in Km.	n	V	v	D
	1130 hr.			
18·0	2	12·0	11·9	267
21·0	2	9·0	9·0	092
24·0	1	8·0	8·0	115
	1730 hr.*			
10·5	29	28·6	26·4	255
12·0	29	29·4	27·1	253
14·1	22	33·1	31·0	258
16·2	13	21·3	19·4	266
18·0	6	14·3	12·3	276

RADIOSONDE DATA

January, 1965 (Pausa 11—Magha 11, 1886 Saka)

During the month, observations of upper air temperature, pressure and humidity were made at 15 stations in India as given in the list below. For detailed description of the instruments used, a reference may be made to the I.M.D. Scientific Notes Nos. 112 and 113 (Volume IX).

LIST OF RADIOSONDE STATIONS IN INDIA

S. No.	Name of station	Type of instrument used	Date of starting	Hours of routine observations in G.M.T. during the month	Remarks
1	Ahmadabad	Fan type	20th July 1961	00 and 12	
2	Allahabad/Bamhrauli	Clock type	1st October 1944	00 and 12	
3	Bangalore	Fan type	10th March 1961	00 and 12	
4	Bombay/Santa Cruz	Clock type	7th September 1954	00 and 12	
5	Calcutta/Dum Dum	Clock type	13th December 1946	00 and 12	Fan type used from 13-12-46 to 30-11-47.
6	Gauhati	Clock type	22nd July 1955	00 and 12	
7	Jodhpur	Clock type	17th April 1946	00 and 12	
8	Madras/Minambakkam	Fan type	29th June 1946	00 and 12	
9	Minicoy	Fan type	12th May 1963	12	
10	Nagpur/Sonegaon	Fan type	1st October 1946	00 and 12	
11	New Delhi/Safdarjung	Clock type	3rd December 1943	00 and 12	
12	Port Blair	Fan type	4th December 1949	00 and 12	
13	Srinagar	Clock type	1st August 1962	00 and 12	
14	Trivandrum	Fan type	1st July 1947	00 and 12	
15	Vishakhapatnam	Fan type	8th December 1946	00 and 12	

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(A) From Ascents at 00 Hours G.M.T.

January, 1965 (Pausa 11—Magha 11, 1886 Saka)

Standard Pressure Surface mb.	AHMADABAD Surf. Pr. (1008 mb.)						ALLAHABAD/BAMHRAULI (1005 mb.)						BANGALORE (912 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew poin
Surface	31	055	289·8	294	285	281·9	31	098	283.5	288	280	281·2	31	921	288·0	291	284	287·1
1000	31	124	291.0	297	286	281·6	31	138	284.2	288	281	280·6	31	138	..	..	..	.
900	31	1035	291·9	297	285	276·8	31	1027	286·0	290	283	276·4	31	1035	288·1	291	285	285·9
850	31	1524	288·5	293	283	274·5	31	1505	283·5	287	280	272·9	31	1520	287·7	291	285	279·3
800	31	2035	284·8	289	279	271·5	31	2008	281·4	285	277	270·0	31	2032	285·7	289	281	274·0
700	31	3138	277·6	281	271	261·9	31	3100	275·9	282	271	262·4	31	3146	281·6	285	277	265·3
600	31	4378	270·3	277	265	247·7	31	4332	269·0	276	263	..	31	4407	274·7	277	271	259·2
500	31	5798	261·2	267	255	..	31	5745	259·4	265	253	..	31	5855	265·9	270	262	..
400	31	7473	249·9	257	243	..	31	7404	248·7	255	242	..	31	7558	253·7	258	249	..
300	31	9522	235·7	244	227	..	31	9441	234·5	244	226	..	31	9635	238·7	244	234	..
250	31	10759	227·4	234	217	..	31	10672	225·8	238	219	..	31	10887	229·5	235	226	..
200	31	12214	218·3	225	209	..	30	12135	218·4	227	209	..	30	12353	218·4	225	212	..
175	28	13053	214·2	223	208	..	26	12995	215·7	223	209	..	28	13202	212·9	215	209	..
150	27	14021	210·7	219	203	..	24	13951	212·0	218	206	..	27	14143	206·9	213	201	..
125	26	15175	206·1	214	197	..	24	15080	207·9	214	198	..	24	15228	201·9	208	194	..
100	24	16461	201·2	210	191	..	18	16396	203.8	211	195	..	24	16549	197·2	205	192	..
80	21	17781	200·7	207	193	..	11	17700	202·1	212	195	..	17	17846	197·8	208	193	..
70	18	18535	202·8	213	195	..	5	18446	202·2	212	196	..	15	18635	199·7	210	193	..
60	17	19479	207·0	215	199	..	..	..	..	..	..	..	13	19551	201·5	213	191	..
50	14	20602	211.9	217	207	..	..	..	..	..	..	..	12	20613	205·3	213	197	..
40	11	21981	215·8	219	211	..	..	..	..	..	..	..	12	21968	208·7	216	202	..
30	..	..	..	..	..	..	..	..	..	..	..	..	9	23761	214·7	223	207	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

	BOMBAY/SANTACRUZ Surf Pr. (1011 mb.)						CALCUTTA/DUM DUM (1015 mb.)						GAUHATI (1010 mb.)					
Surface	31	013	292·4	297	287	286·9	31	006	287·0	291	283	285·4	31	049	285.5	288	283	284.0
1000	31	110	294·5	299	290	285·5	31	130	288·2	291	284	283.7	31	132	286·6	291	284	283·4
900	31	1029	293·4	297	286	280·3	31	1028	286·8	288	282	278·8	31	1026	287·0	291	282	279.6
850	31	1521	289·9	293	284	277·5	31	1509	283·8	287	279	275·1	31	1506	283·4	287	279	276·6
800	31	2036	286·0	291	282	275·9	31	2013	281·2	285	277	269·1	31	2009	280·2	285	275	272·4
700	31	3145	279·7	284	274	267·6	31	3110	277·4	282	271	261·8	31	3096	274·6	279	270	260·9
600	31	4397	272·[illegible]	279	265	262.1	31	4356	271·3	275	266	255.8	31	4331	270·5	275	265	..
500	31	5832	263·4	269	255	..	31	5782	262·2	266	258	..	31	5755	261·7	269	255	..
400	31	7517	250·9	259	241	..	31	7491	250·6	258	245	..	31	7432	250·3	259	244	..
300	31	9569	235·4	243	227	..	31	9513	235·6	242	229	..	30	9484	236·6	250	227	..
250	31	10803	226·2	233	219	..	31	10750	227·5	235	220	..	28	10730	228·3	236	220	..
200	30	12252	217·4	221	209	..	31	12211	219·0	225	210	..	28	12184	219·7	229	213	..
175	27	13078	212·7	219	199	..	31	13057	214·0	221	206	..	19	13055	216·8	226	209	..
150	26	14030	208·7	217	201	..	30	14021	209·4	215	204	..	11	14006	211.9	218	203	..
125	24	15145	203·3	212	197	..	30	15119	204·6	213	196	..	7	15137	207.1	213	196	..
100	22	16475	200·5	213	190	..	30	16451	199·4	206	191	..	..	..	..	..	..	..
80	16	17754	203·6	225	190	..	24	17753	197.8	209	189	..	..		..	..	..	..
70	11	18615	205·6	214	199	..	20	18543	201·0	213	191	..	..	..	..	..	..	..
60	6	19553	210·2	219	202	..	12	19431	203·5	217	194	..	..	..	..	..	..	..
50	6	20686	214.3	225	203	..	6	20496	205·0	211	199	..	..	..	..	..	..	..
40	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(A) From Ascents at 00 Hours G. M. T.

January, 1965 (Pausa 11—Magha 11, 1886 Saka)

Standard Pressure Surface mb.	JODHPUR Surf. Pr. (991 mb.)						MADRAS/MINAMBAKKAM (1012 mb.)						NAGPUR/SONEGAON (979 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A.				No. of obs.	Ht. gpm.	Temperature° A.				No. of obs.	Ht. gpm.	Temperature °A.			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	31	218	287·5	291	284	279·7	31	015	294·1	297	291	292·3	31	311	287·5	291	284	283·4
1000	30	138	..	..	..	..	31	118	295·0	297	292	291·4	31	134	..	..	..	..
900	30	1036	289·7	296	285	276·2	31	1028	290·1	293	287	285·5	31	1031	290·6	295	287	281·3
850	30	1519	286·8	295	281	274·2	31	1515	287.3	291	284	279·8	31	1518	287·7	291	284	278.6
800	30	2026	283·1	290	277	271·0	31	2027	285.2	287	282	272·9	31	2028	284·1	287	281	275·7
700	30	3119	275·7	280	268	264·4	31	3139	281·6	283	278	263·9	31	3132	278·7	284	275	264·9
600	30	4349	268·0	273	260	..	31	4400	274·3	280	269	258·8	31	4377	271·7	277	268	257·0
500	30	5758	258·9	264	253	..	31	5848	265·5	269	262	..	31	5807	263·0	267	259	..
400	26	7420	247·5	254	241	..	31	7551	254·3	258	249	..	31	7487	251·0	257	248	..
300	15	9429	230·7	241	224	..	30	9632	238·2	245	235	..	31	9540	235·6	243	229	..
250	12	10637	221·7	230	217	..	29	10879	228·9	234	225	..	31	10774	226·6	236	219	..
200	9	12045	213·3	220	210	..	29	12340	217·1	225	212	..	30	12228	217·8	226	210	..
175	6	12859	211·8	214	210	..	29	13167	211·7	218	204	..	26	13087	213·8	221	208	..
150	5	13790	211·0	213	209	..	29	14126	205·8	214	199	..	26	14039	209·5	217	201	..
125						..	28	15196	200·8	210	193	..	23	15130	204·9	214	193	..
100						..	28	16507	196·5	203	190	..	23	16454	199·6	212	191	..
80						..	22	17799	197·4	205	187	..	22	17774	199·4	211	193	..
70						..	21	18591	200·7	213	192	..	21	18577	200·9	211	193	..
60						..	18	19480	202·7	215	195	..	18	19456	202·7	211	195	..
50						..	15	20553	206·8	219	201	..	15	20542	205·8	216	199	..
40							9	21904	209·3	216	204	..	9	21898	208.5	219	203	..
30							6	23583	213·0	217	210	..	5	23603	211·2	219	207	..
20																		
10																		

Standard Pressure Surface mb.	NEW DELHI/SAFDARJUNG Surf. Pr. (992 mb.)						PORT BLAIR (1003 mb.)						SRINAGAR (849 mb.)					
Surface	31	209	284·2	288	281	280·2	31	079	295·6	298	293	292·2	15	1588	269·9	273	268	269·9
1000	31	141	..	..	..	..	31	105	295·6	298	293	292·2	14	269	..	..	..	..
900	31	1029	286.7	291	282	270·8	31	1018	290·8	294	287	287·3	15	1121	..	..	..	..
850	31	1509	284·3	289	279	268·7	31	1505	288·0	293	283	283·0	15	1577	268.4	270	267	..
800	31	2013	281·4	287	275	266·3	31	2017	285·0	291	278	279·0	15	2054	267 2	273	262	..
700	31	3102	274·1	282	268	258·9	31	3132	283·0	287	279	268·7	15	3099	266·5	271	260	..
600	31	4326	267·0	273	259	..	31	4398	275·9	279	271	262·2	15	4290	260·9	267	256	..
500	31	5728	257·3	263	252	..	31	5855	268·1	273	263	..	15	5662	251·8	260	246	..
400	31	7372	245·7	251	242	..	31	7571	256.5	262	251	..	15	7276	241.3	246	236	..
300	31	9388	232·3	241	224	..	30	9666	240·7	245	235	..	14	9259	227·6	233	224	..
250	31	10608	224·3	233	217	..	30	10927	230·7	237	227	..	14	10456	220·4	227	216	..
200	31	12048	216·9	225	210	..	30	12400	219·6	227	215	..	14	11877	215·2	223	211	..
175	30	12892	213·9	221	204	..	21	13232	213·3	221	209	..	12	12724	215·8	221	210	..
150	30	13854	212·0	220	205	..	19	14198	207·2	213	202	..	10	13692	215·5	220	209	..
125	30	14978	208·7	216	199	..	16	15291	200·6	207	192	..	9	14845	215·1	222	208	..
100	30	16330	205·6	213	196	..	13	16592	197·6	201	195	..	7	16252	214·6	220	210	..
80	30	17671	205·2	212	198	..	9	17884	197·3	203	193	..						
70	29	18456	207·1	214	199	..	7	18660	199.6	205	195	..						
60	24	19414	209·5	216	198	..	5	19546	201.4	207	195	..						
50	18	20579	213·2	219	209	..												
40	14	21985	216·1	221	214	..												
30	8	23854	219·6	226	217	..												
20																		
10																		

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(A) From Ascents at 00 Hours G. M. T.

January, 1965 (Pausa 11—Magha 11, 1886 Saka)

Standard Pressure Surface mb.	TRIVANDRUM Surf. Pr.(1003 mb.)						VISAKHAPATNAM (1010 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	31	064	297·2	299	296	292·1	31	041	294.3	297	291	291·1
1000	31	093	297.1	299	296	291.8	31	127	294·6	297	292	291.4
900	31	1011	291.7	293	289	286.6	31	1034	289.5	293	285	280·6
850	31	1502	289.1	291	287	282.9	31	1518	286·4	290	283	275·5
800	31	2017	286·8	289	285	277·4	31	2027	283·5	287	281	274·2
700	31	3136	282.2	286	278	269·2	31	3133	279.6	285	275	262·9
600	31	4398	275·5	279	271	259.9	31	4386	273·2	277	270	260·7
500	31	5850	267·2	271	264	..	31	5822	263·4	267	259	..
400	31	7561	255·2	259	251	..	31	7508	251·6	257	246	..
300	31	9653	240·0	246	237	..	30	9575	235·6	241	228	..
250	31	10910	231·1	241	227	..	28	10813	226·4	232	218	..
200	31	12382	218·3	227	214	..	28	12262	216·3	225	209	..
175	30	13213	212·3	217	207	..	26	13088	211·0	219	202	..
150	30	14173	206·4	219	198	..	26	14041	206·6	217	201	..
125	26	15238	199·9	211	195	..	22	15108	201·5	208	194	..
100	25	16554	195·0	203	189	..	21	16439	197·0	203	190	..
80	22	17830	197·9	209	189	..	20	17738	198·3	206	191	..
70	18	18610	201·7	219	196	..	18	18524	199·0	209	193	..
60	14	19553	204·3	217	197	..	17	19432	203·5	215	197	..
50	13	20677	208·3	219	202	..	11	20536	208·4	217	204	..
40	8	21947	210.4	216	205	..	8	21909	212·0	218	206	..
30	5	23704	213.0	220	209	..						
20												
10												

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(B) From Ascents at 12 Hours G. M. T.

January 1965 (Pausa 11—Magha 11, 1886 Saka)

Standard Pressure Surface mb.	AHMADABAD Surf. Pr. (1007 mb.)						ALLAHABAD/BAMHRAULI (1003 mb.)						BANGALORE (910 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	31	55	302·1	306	291	283·5	31	098	296·6	300	293	283·1	31	921	297·0	298	295	285·5
1000	31	118	301.7	306	291	283.4	31	128	296.5	300	293	283.1	31	095	..	..	..	..
900	31	1042	293·4	298	286	277·8	31	1034	288·8	294	285	274·8	31	1020	296·3	298	294	284·2
850	31	1532	289·1	295	283	274·5	31	1518	285·6	289	282	270.4	31	1515	292·0	294	289	281·7
800	31	2044	284·8	291	279	270·9	31	2024	283·3	288	279	266·7	31	2032	287·3	291	284	279·2
700	31	3149	278·3	283	275	262·7	31	3123	277·9	282	273	260·0	31	3145	281·2	283	278	268·1
600	31	4393	270·7	276	267	256.8	31	4364	270·9	276	265	249·3	31	4407	275·3	279	273	257·4
500	31	5816	262·0	269	257	..	31	5788	261·4	266	256	..	31	5855	265·7	270	262	..
400	31	7494	250·1	259	245	..	31	7463	250·4	257	245	..	31	7557	253·8	258	248	..
300	31	9542	234·9	243	228	..	30	9519	236·2	244	229	..	29	9641	239·7	246	234	..
250	31	10774	226·3	234	220	..	30	10762	227·0	236	219	..	29	10895	230·2	238	224	..
200	31	12226	217·8	225	212	..	30	12223	219·7	227	214	..	29	12362	218·5	222	212	..
175	31	13076	214·4	221	207	..	27	13075	216·0	221	210	..	23	13191	212·1	215	206	..
150	30	14038	210·8	218	200	..	25	14036	212·2	218	206	..	23	14141	206·0	211	199	..
125	27	15164	206·1	213	198	..	23	15185	208·8	215	203	..	20	15233	201·5	206	194	..
100	27	16480	201·4	209	194	..	20	16537	205·3	212	197	..	20	16542	196·9	203	189	..
80	26	17873	201·4	211	193	..	11	17911	204·2	210	197	..	14	17841	196·2	205	188	..
70	25	18602	203·8	216	195	..	9	18716	205·9	211	197	..	14	18628	197·9	207	190	..
60	21	19559	208·0	219	199	..	5	19728	208·2	217	199	..	14	19543	200·6	209	193	..
50	15	20709	212·7	223	203	..						..	13	20569	204·1	213	197	..
40	8	22061	216·0	221	209	..						..	6	21876	204·2	212	199	..
30																		
20																		
10																		

	BOMBAY/SANTACRUZ Surf. Pr. (1010 mb.)						CALCUTTA/DUM DUM (1013 mb.)						GAUHATI (1008 mb.)					
Surface	31	013	301·0	307	296	289·8	31	006	296·7	300	291	287·5	31	49	293·4	296	289	288.0
1000	31	103	300.3	306	295	288.6	31	0122	297·2	301	293	285.1	31	117	293.6	296	290	287.2
900	31	1027	295·0	299	290	282·9	31	1037	290·5	293	286	279·1	31	1021	288·5	293	284	278·8
850	31	1520	290·9	294	287	279·6	31	1523	286·8	290	282	274·5	31	1503	284·6	290	278	275·4
800	31	2037	286·4	291	283	277·7	31	2032	284·4	289	280	268·8	31	2007	281·1	287	275	271·7
700	31	3148	279·8	285	275	266·8	31	3140	279·8	284	275	259·2	31	3097	275·1	284	271	263·8
600	31	4400	273·0	277	269	258·7	31	4395	273·6	277	271	252·4	31	4331	270·5	274	264	..
500	31	5837	264·0	271	259	..	31	5832	264·6	272	261	..	31	5754	261·4	268	254	..
400	31	7523	251·0	258	245	..	31	7525	252·9	261	249	..	31	7430	250·5	259	243	..
300	31	9579	235·8	242	226	..	31	9599	238·0	244	232	..	30	9483	236·3	243	229	..
250	31	10814	226·3	233	219	..	31	10847	229·0	235	224	..	28	10721	227·8	235	221	..
200	31	12264	216·8	222	212	..	31	12317	220·1	225	214	..	28	12264	219·7	227	214	..
175	31	13106	212·7	218	208	..	30	13177	215·9	223	208	..	26	13034	216·8	227	210	..
150	27	14060	207·7	214	202	..	29	14146	211·9	219	203	..	19	14025	212·8	220	207	..
125	27	15162	202·2	207	195	..	29	15271	207·3	215	197	..	11	15131	208·3	213	203	..
100	26	16477	199·7	207	188	..	27	16608	202·4	210	191	..	5	16456	207·0	211	205	..
80	25	17802	200·4	209	191	..	17	17996	201·9	210	195	..						..
70	13	18601	203·6	208	199	..	14	18757	204·4	211	198	..						
60	10	19565	209.0	215	201	..	10	19730	209·7	221	202	..						
50	10	20692	213.3	221	206	..	9	20854	213·9	222	209	..						
40	7	22067	216.1	221	212	..												
30																		
20																		
20																		

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 Hours G. M. T.

January, 1965 (Pausa 11—Magha 11, 1886 Saka)

Standard Pressure Surface mb.	JODHPUR Surf. Pr. (989 mb.)						MADRAS/MINAMBAKKAM (1011 mb.)						MINICOY (1011 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	31	218	298.4	304	290	282·8	31	15	299·2	301	299	292·3	31	002	300·0	301	299	294·3
1000	31	125	..	..	..	..	31	113	298·6	300	298	291·4	31	095	298·9	300	297	293·8
900	31	1038	291·5	296	285	277·7	31	1029	291·5	294	289	284·7	31	1016	291·5	295	289	287·0
850	31	1523	287·3	292	281	274·2	31	1518	288·8	293	289	278·8	31	1505	289·2	293	286	283·5
800	31	2030	283·2	289	277	271·7	31	2033	286·2	289	283	273·0	31	2020	286·8	293	281	278·9
700	31	3123	276·1	282	268	262·3	31	3147	282·5	286	277	265·3	31	3138	282·0	288	279	269·8
600	31	4362	268·6	274	261	..	31	4412	275·6	279	271	260·3	31	4399	274·9	283	271	263·4
500	30	5774	259·6	264	255	..	31	5865	266·7	269	262	..	31	5846	266·4	273	261	..
400	28	7438	247·8	253	243	..	31	7575	255·1	259	250	..	31	7551	254.9	262	251	..
300	16	9477	232·1	238	227	..	30	9661	239·5	245	235	..	30	9632	239·8	244	233	..
250	14	10697	224·1	231	214	..	29	10914	220·8	235	225	..	30	10886	229·9	235	223	..
200	11	12129	216·6	222	210	..	29	12383	217·7	225	212	..	30	12349	217·7	222	213	..
175	7	13010	215·7	221	211	..	29	13213	211·8	219	204	..	29	13173	212·0	216	208	..
150	5	13975	215·0	221	211	..	29	14163	205·1	212	196	..	29	14127	206·0	212	201	..
125							27	15244	200·1	207	190	..	28	15191	199·9	208	195	..
100							23	16569	197·5	203	189	..	28	16502	195·1	204	182	..
80							17	17857	199·3	203	190	..	25	17784	197·1	207	192	..
70							14	18636	201·3	207	191	..	21	18551	199·7	209	195	..
60							10	19551	203·1	208	196	..	19	19437	202.5	207	194	..
50							8	20660	206.3	210	201	..	15	20540	205·5	213	195	..
40													11	21860	208·2	215	201	..
30													8	23568	210·5	214	206	..
20																		
10																		

	NAGPUR SONEGAON Surf. Pr. (978 mb.)						NEW DELHI/SAFDARJUNG (991 mb.)						PORT BLAIR (1002 mb.)					
Surface	31	311	298.9	303	293	284·4	31	209	293·9	297	287	282·4	31	079	298·5	301	298	292·3
1000	30	114	..	..	..	..	31	132	..	..	..	..	31	100	298·0	300	297	292·1
900	30	1035	293·0	297	289	282·5	31	1033	288·2	293	284	274·7	31	1015	291·7	295	285	287·3
850	30	1524	289·0	292	285	280·7	31	1515	285·2	290	280	270·1	31	1504	288·5	291	285	283·6
800	30	2037	285·1	289	281	277·2	31	2020	282·2	287	277	267·2	31	2018	286·4	291	280	279·0
700	30	3144	279·1	283	275	268·5	31	3112	275·3	282	269	257·9	31	3133	283·0	289	277	269·8
600	30	4391	272·2	281	266	255·3	31	4340	267·5	274	260	..	31	4399	276·2	281	273	262·4
500	30	5821	262·8	273	256	..	31	5746	258·3	264	249	..	31	5854	267·4	272	262	..
400	30	7499	250·3	263	242	..	31	7400	247·3	253	242	..	31	7567	256·2	260	251	..
300	30	9550	234·8	243	225	..	31	9427	233·0	241	227	..	30	9662	240·3	245	235	..
250	30	10781	226·1	235	218	..	30	10645	225·0	232	218	..	30	10923	230·9	241	225	..
200	30	12229	217·3	224	210	..	30	12092	218·1	225	211	..	29	12397	220·7	233	214	..
175	29	13071	213·4	219	208	..	28	12934	215·4	222	208	..	24	13215	212·6	220	204	..
150	29	14025	208·8	213	203	..	27	13908	213·1	221	205	..	19	14192	206·2	211	199	..
125	27	15112	205·2	215	199	..	26	15034	210·7	217	203	..	15	15287	200·0	209	190	..
100	27	16445	200·5	209	193	..	25	16404	207·9	217	200	..	11	16637	195·8	202	190	..
80	24	17764	200·5	207	196	..	24	17754	207·7	215	198	..						
70	24	18553	201.5	209	193	..	23	18567	209·0	215	201	..						
60	18	19456	203·1	212	195	..	23	19523	211·1	219	204	..						
50	14	20540	205.1	211	198	..	23	20654	213·6	223	205	..						
40	9	21879	208.2	213	204	..	19	22085	217·3	225	210	..						
30							11	23912	218·3	226	209	..						
20							5	26535	220·4	225	214	..						
10																		

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(B) From Ascents at 12 Hours G. M. T.

January, 1965 (Pausa 11—Magha 11, 1886 Saka)

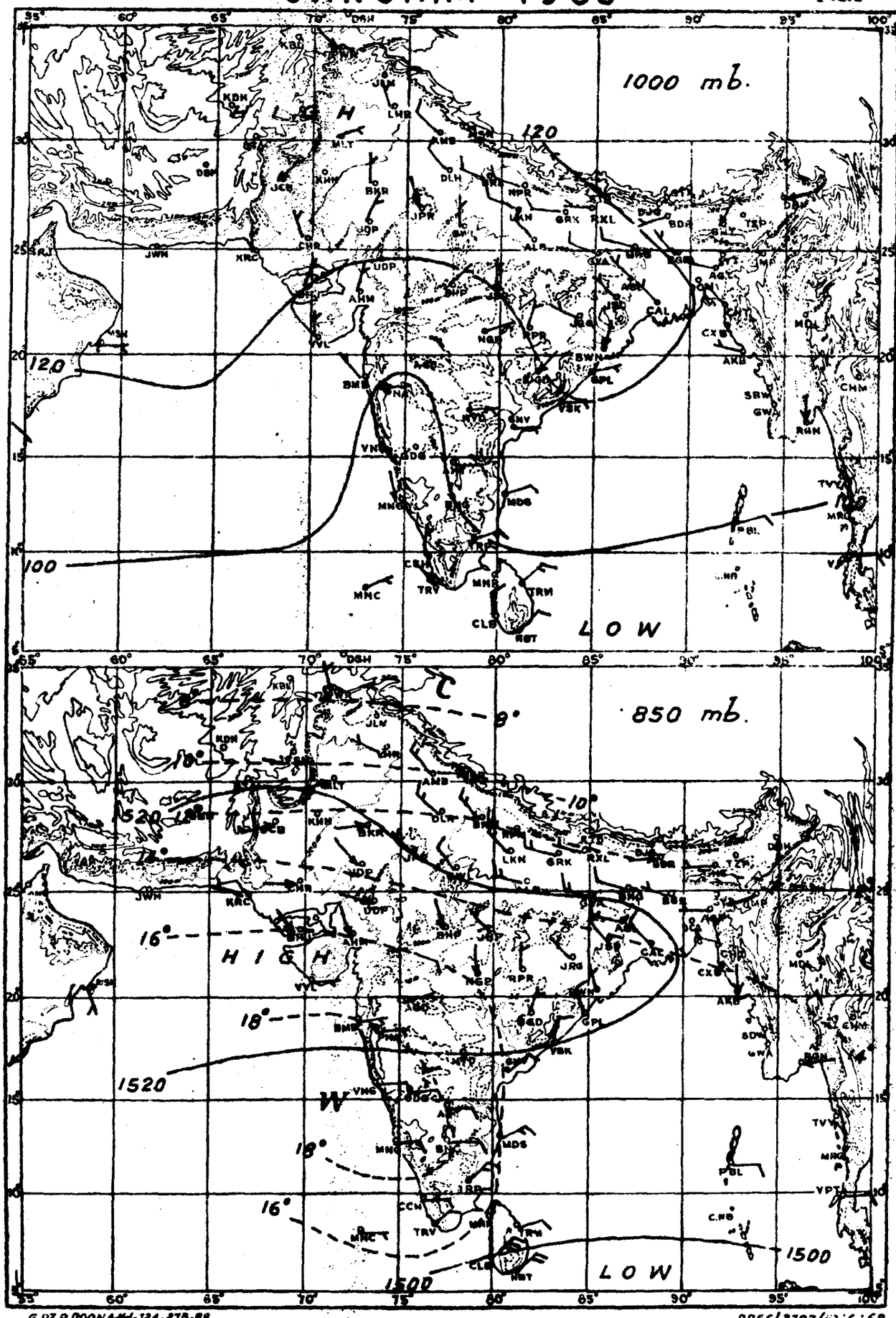
Standard Pressure Surface mb.	SRINAGAR Surf. Pr. (844 mb.)						TRIVANDRUM (1002 mb.)						VISHAKHAPATNAM (1009 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A.			
			Mean	Max.	Min.	Dew Point			Mean	Max.	Min.	Dew Point			Mean	Max.	Min.	Dew point
Surface	17	1588	275·1	278	271	273·1	31	064	302·3	304	300	293·7	31	041	299 0	300	298	292·2
1000	15	201	..	..	..	..	31	083	302.0	303	300	293.2	31	120	298.0	300	296	290.7
900	17	1068	..	..	..	..	31	1010	293·6	297	290	288·0	31	1033	290.9	294	287	281·6
850	17	1535	..	..	..	..	31	1503	290·0	294	286	285.1	31	1520	288.1	291	285	278.5
800	17	2021	270·8	273	265	270·1	31	2019	287·0	293	283	280·5	31	2031	284.9	287	283	274·6
700	17	3073	267.2	271	262	..	31	3139	282·8	290	279	269·2	31	3141	280·3	283	277	264·7
600	16	4264	260.0	264	255	..	31	4404	275·8	282	273	260·4	31	4399	274·1	277	269	257.3
500	16	5629	250·9	256	246	..	31	5859	268·0	274	262	..	31	5842	265.0	269	261	..
400	15	7237	239·5	246	234	..	31	7574	255·9	260	252	..	31	7538	253·1	260	248	..
300	14	9193	225.5	230	220	..	31	9670	240·7	245	236	..	31	9605	237·0	242	231	..
250	14	10380	219.4	226	213	..	31	10933	230·9	238	225	..	31	10847	227·7	232	222	..
200	14	11800	216.6	224	209	..	31	12404	218·6	226	213	..	31	12304	217·4	221	211	..
175	14	12649	216·9	223	211	..	30	13238	212·7	220	205	..	30	13142	212·5	217	202	..
150	14	13624	215·4	219	212	..	30	14196	206·3	215	197	..	28	14098	208·4	216	198	..
125	11	14763	214·5	221	209	..	28	15287	200·6	209	189	..	27	15196	203·1	210	194	..
100	6	16170	215·3	218	211	..	26	16592	195·6	205	189	..	25	16527	199.0	206	194	..
80							20	17876	196·7	205	193	..	19	17886	198·5	203	195	..
70							19	18661	199·3	208	193	..	17	18627	200·0	204	196	..
60							18	19571	203·7	211	197	..	12	19564	202·2	209	198	..
50							15	20612	207·3	212	201	..	10	20629	205·9	214	201	..
40							9	22055	211·8	218	207	..	7	21938	207·7	216	200	..
30																		
20																		
10																		

NOTE.—Number of observations refer to those of dynamic height.
Means are not worked out for temperature and dew point for the 1000 mb surface and for dew point for standard pressure surfaces with temperature less than 273°A.
Means are not worked out for less than five observations at standard pressure surfaces.

GIPN—S5—4 D.D.G. Obs. Poona/68—10-2-69—200.

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I.Met.D. **JANUARY 1965** Plate I



G.PZ.P.POONA-Vd-124-278-68. DDGC/2707(ii):6:68

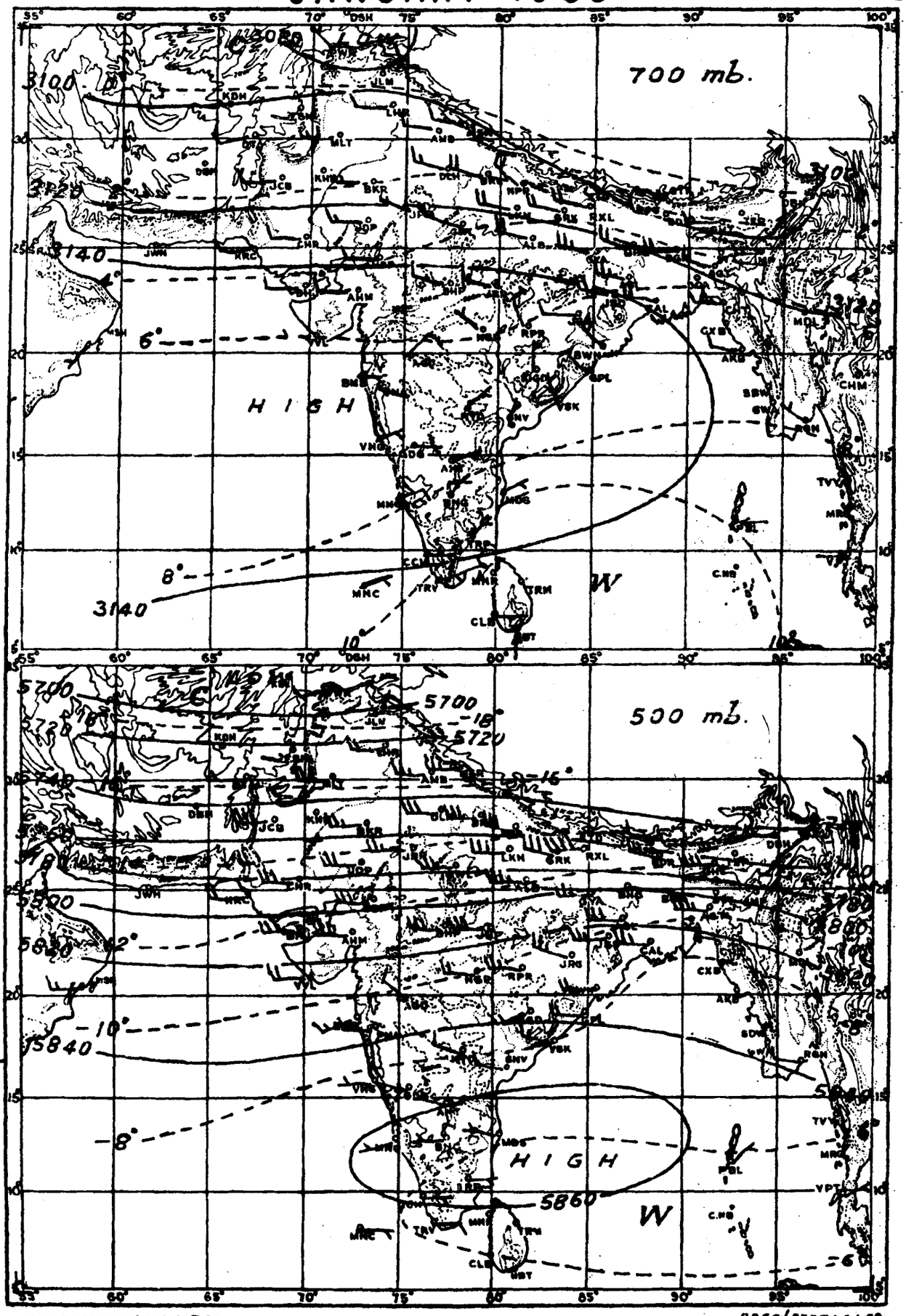
RESULTANT WIND —\ 5 Knots, —\ 10 Knots, —\ 50 Knots.

--------- Isotherms in degrees centigrade ——— Contours in geopotential metres.

G.PZ.P.POONA, 1965

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I.Met.D. **JANUARY 1965** Plate II



G.PZ.P.POONA, Vd. 124.275.88. DDGC/2707:6:69

RESULTANT WIND —— 5 Knots, —— 10 Knots, —— 50 Knots.

---------- Isotherms in degrees centigrade ———— Contours in geopotential metres.

G.PZ.P.POONA, 1965

Registered No. MH-75

INDIA WEATHER REVIEW, 1965

Monthly Weather Report

February

Published by authority of the Government of India

Chief features:

(i) Movement of three western disturbances across north India causing spells good of precipitation;

and (ii) Mainly dry weather over the Peninsula except for one spell of rains during the second week.

A western disturbance which lay over Afghanistan on 1st moved into northwest Rajasthan and adjoining parts of West Pakistan on 3rd. It became well marked on 4th and moved away slowly eastwards across the Western Himalayas by 7th. Under its influence, there was good precipitation in the Western Himalayas and the plains of the Punjab and Uttar Pradesh during the first week. Dehra Dun recorded 7 cm of rain and Joshimath and Tehri 5 cm each on 5th.

Another western disturbance which moved eastwards from Baluchistan became well marked over Rajasthan on 12th. Moving further eastwards, it became unimportant over Uttar Pradesh by 14th. This was followed by another western disturbance which moved into West Pakistan on 16th. It moved eastwards progressively and crossed Assam by 22nd. Under the influence of these two disturbances, a spell of good precipitation occurred over most parts of northwest India and Uttar Pradesh during the period 11th to 21st. Some of the noteworthy amounts of rainfall recorded were : Dalhousie, 6 cm, Joshimath, Chandigarh, Dharmsala and Jaipur 4 cm each on 13th, Banihal 6 cm on 17th, Mandi 12 cm and Joshimath 5 cm on 18th and Ambala 11 cm and Dalhousie. Dharampur and Askote 4 cm on each on 19th. According to press reports, the heavy snowfall caused dislocation in telecommunication in Simla and Mussoorie areas and suspension of air services to Srinagar. A few showers also occurred in the central parts of the country on 13th—14th and 21st.

A well marked trough of low pressure extending from north Assam to east Uttar Pradesh developed on 4th and persisted till 9th. In association with it, there was good rainfall over the northern parts of northeast India during this period. The rainfall activity increased on 7th and 8th when it is also extended to the southern parts of the area and to coastal Andhra Pradesh. Some of the noteworthy amounts of rainfall recorded were : Silchar 7 cm on 5th, Haflong 5 cm on 6th, Sagar Island 7 cm on 7th and Kailashahar 7 cm on 8th. Another spell of rainfall occurred over northeast India from 20th to 22nd in association with the movement of the last western disturbance mentioned earlier.

Two troughs in the low level easterlies moved westwards across the Comorin area during the period 10th to 18th. Of these, the second one was quite active and caused a number of showers in the Madras State. Otherwise the weather remained mainly dry over the Peninsula.

Night temperatures were generally above normal over north India during the first week and over Uttar Pradesh and central parts of the country during the period 12th to 14th. They were also above normal in the central parts of the country and most parts of the Peninsula from 4th to 7th. Night temperatures remained mostly below normal over the country after the first week, particularly over north India where they were appreciably to markedly below normal on a number of days during the last week.

The total rainfall for the month was in large excess in south Assam and east Rajasthan, in moderate excess in Gangetic West Bengal and the Punjab and in slight excess in north Assam, Sub-Himalayan West Bengal, west Uttar Pradesh and the Arabian Sea Islands. It was normal in the Bay Islands and Madras State, in slight defect in Orissa and in moderate defect in Jammu and Kashmir, Vidarbha and coastal Andhra Pradesh. It was in large defect over the rest of the country outside Gujarat State, Konkan and coastal and north Interior Mysore where there was no rain.

"*Copyright* © 1964 *by the Manager of Publications, Govt. of India, Delhi*-6".

1—5 D.D.G.Obs.P./68

The mean maximum temperature was above normal in the Bay Islands, Bihar State, Uttar Pradesh, Rajasthan and Saurashtra and Kutch and below normal in south Assam. It was normal over the rest of the country.

The mean minimum temperature was below normal in Bihar Plateau and normal over the rest of the country.

The mean relative humidity in the morning was above normal in Saurashtra and Kutch and below normal in Bihar State, west Rajasthan and east Madhya Pradesh. It was normal over the rest of the country.

The mean cloud amount in the morning was above normal in the Bay Islands, Punjab, Madras State, south Interior Mysore, Kerala and the Arabian Sea Islands and normal in south Assam, Sub-Himalayan West Bengal, Orissa, Jammu and Kashmir, Konkan, Madhya Maharashtra, coastal Andhra Pradesh, Rayalaseema and coastal and north Interior Mysore. It was below normal over the rest of the country.

Table I contains the divisional and sub-divisional means of rainfall, temperature, humidity and cloud amount for the 15 chief political divisions and 32 sub-divisions. The stations whose observations are used for preparing these means are given in the subsequent tables.

The highest maximum temperature given for any station in the accompanying tables is that recorded within the 24 hours ending at 0830 hrs. I. S. T. of the date noted in the succeeding column similarly the heaviest rainfall in 24 hours for any station denotes the amount recorded during the 24 hours ending at 0830 hrs. I.S.T. of the date given in the succeeding column.

POONA 5, R. ANANTHAKRISHNAN,

the 25th September, 1967 *for* DIRECTOR GENERAL OF OBSERVATORIES

NOTE : Description in respect of Himachal Pradesh is not included for want of normals.

	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative humidity % 0830 hrs. I.S.T.	Relative humidity % 1730 hrs. I.S.T.	Cloud 0830 hrs. I.S.T.	Cloud 1730 hrs. I.S.T.
1	2	3	4	5	6	7	8	9
Division								
1. Assam (Including NEFA, Nagaland Manipur & Tripura)	63·9 +26·2	169	24·8 0	11·9 0	79 +1	60	2·5 —0·8	2·4
2. West Bengal	30·1 +7·5	133	28·7 +0·7	14·4 —0·1	65 —5	47	1·2 —0·7	1·2
3. Orissa	21·4 —4·7	82	30·4 +0·4	16·9 —0·5	69 —1	52	1·6 —0·3	1·7
4. Bihar	6·2 —17·6	26	27·8 +1·5	11·4 —1·0	60 —7	41	1·1 —0·8	0·9
5. Uttar Pradesh	13·6 —7·1	66	26·4 +1·3	10·0 —0·3	67 —2	38	1·3 —0·6	1·6
6. Punjab (India) (Including Himachal Pradesh and Delhi)*	35·2 +8·2	130	22·8 —0·3	8·2 —0·1	75 +4	49	2·9 +0·5	2·8
7. Jammu and Kashmir	69·4 —25·9	73	9·5 +0·3	—0·8 +0·1	74 +5	63	5·0 +0·1	4·7
Sub-division								
1. Bay Islands	25·9 —2·3	92	31·5 +1·8	22·0 +0·6	68 —3	75	3·6 +0·7	3·3
2. North Assam (Including) NEFA	45·1 +6·8	118	24·8 +0·5	12·5 +0·3	81 +1	61	2·5 —1·2	2·7
2. South Assam (Including Nagaland, Manipur and Tripura)	101·7 +65·0	277	24·8 —1·3	10·2 —0·8	74 +2	57	2·5 +0·1	1·9
4. Sub-Himalayan West Bengal	17·5 +2·2	114	26·8 +0·9	12·1 +0·3	70 —4	46	1·4 —0·3	1·3
5. Gangetic West Bengal	34·7 +9·4	137	29·2 +0·7	15·1 —0·2	64 —5	48	1·1 —0·9	1·2
6. Orissa	21·4 —4·7	82	30·4 +0·4	16·9 —0·5	69 —1	52	1·6 —0·3	1·7
7. Bihar Plateau	14·0 —22·9	38	27·9 +1·1	11·6 —1·3	58 —7	37	0·7 —1·3	1.4
8. Bihar Plains	1·9 —14·7	11	27·7 +1·8	11·3 —0·7	62 —8	45	1·4 —0·4	0·8
9. Uttar Pradesh (East)	0·5 —16·3	3	27·2 +1·3	10·6 —0·2	65 —4	35	1·1 —0·6	1·5
10. Uttar Pradesh (West)	31·7 +5·6	121	25·3 +1·2	9·0 —0·4	70 +1	42	1·6 —0·7	1·8
11. Punjab (India) (Including Delhi)	35·2 +8·2	130	22·8 —0·3	8·2 —0·1	75 +4	49	2·9 +0·5	2·8
12. Himachal Pradesh.	94·8 ..	..	21·3 ..	7·2 ..	85 ..	49	1·9 ..	2·5
13. Jammu and Kashmir.	69·4 —25·9	73	9·5 +0·3	—0·8 +0·1	74 +5	63	5·0 +0·1	4·7
14. Rajasthan (West)	0·7 —5·5	11	27·6 +1·2	10·2 —0·3	51 —7	23	0·7 —1·3	0·9
15. Rajasthan (East)	9·4 +4·3	184	27·7 +1·3	11·2 +0·2	52 +2	25	0·9 —0·8	0·7
16. Madhya Pradesh (West)	0·6 —6·5	8	28·8 +0·4	11·6 —0·3	48 —3	26	0·7 —0·8	0·9
Division—(*Contd.*)								
8. Rajasthan	5·0 —0·6	89	27 6 +1·3	10·8 0	52 —2	24	0·8 —1·0	0·8
9. Madhya Pradesh	1·8 —11·8	13	29·0 +0·5	12·2 —0.1	52 —5	29	0·7 —0·8	1·0
10. Gujarat State (Including Diu, Daman, Dadra & Nagar Haveli)	0 —1·7	0	31.1 +1·0	15·2 +0·8	61 +4	36	0·4 —0·7	0·2
11. Maharashtra State (Including Goa)	2·1 —2·0	51	31·9 +0·1	16·5 +0 2	53 —1	32	0·8 —0·3	1·1
12. Andhra Pradesh	3·3 —6·2	35	32·3 0	19·2 —0·2	69 0	43	1·7 —0·3	1·9
13. Madras State (Including Pondicherry)	15·2 —0·5	97	30·9 —0·4	21·5 +0·3	76 —2	59	4·3 +1·5	4·4
14. Mysore	0 —3·8	0	31·3 —0·5	18·0 0	65 +1	37	1·8 +0·2	2·4
15. Kerala	4·9 —9·6	34	31·7 +0·3	23·1 —0·3	75 —2	66	3·7 +1·1	4·0
Sub-division—(*Contd.*)								
17. Madhya Pradesh (East)	3·3 —18·5	15	29·2 +0·5	13·0 0	56 —7	32	0·8 —0·9	1·2
18. Gujarat Region	0 —1·5	0	32·7 +0·7	15·0 +0·8	53 —4	22	0·5 —0·5	0·1
19. Saurashtra and Kutch	0 —1·8	0	30·1 +1·1	15·3 +0·7	66 +8	43	0·4 —0·9	0·3
20. Konkan	0 —0·8	0	30·1 +1·0	19·9 +0·8	70 +1	63	1·2 0	0·7
21. Madhya Maharashtra	0·1 —1·8	5	32·4 —0·3	14·2 —0·1	50 +1	23	0·8 —0·1	1·2
22. Marathwada	1·1 —4·1	21	31·8 —0·5	15·8 +0·3	39 —3	17	0·5 —0·5	1·3
23. Vidarbha	6·9 —3·0	70	31·8 —0·3	16·2 —0·1	46 —5	23	0·6 —0·9	1·2
24. Coastal Andhra Pradesh	6·7 —5·2	56	31·5 +0·1	20·3 —0·1	76 —1	57	2·2 —0.2	2·3
25. Telangana	0·2 —8·7	2	32·9 +0·3	17·6 —0·4	61 —2	28	1·2 —0.8	1·1
26. Rayalaseema	0 5 —4 6	10	33·3 —0·8	19·5 0	63 +4	35	1·2 0	2·2
27. Madras State (Including Pondicherry)	15·2 —0·5	97	30·9 —0·4	21·5 +0·3	76 —2	59	4·3 +1·5	4·4
28. Coastal Mysore	0 —0·9	0	31·8 +0·7	20·6 —0·2	73 —3	64	2·2 +0·2	1·9
29. Interior Mysore (North)	0 —5·2	0	32·0 —0·6	17.9 —0·1	56 +2	29	1·1 +0·1	1·9
30. Interior Mysore (South)	0·1 —3·9	3	30·5 —0·9	17·0 +0·1	68 +2	32	2·4 +0·4	3·2
31. Kerala	4·9 —9·6	34	31·7 +0·3	23·1 —0·3	75 —2	66	3·7 +1·1	4·0
32. Arabian Sea Islands	11·0 +1·1	111	31·1 +0·7	23·3 —0.7	77 +3	65	4.5 +1.7	4·8

NOTE :—The entries in the second line for each division and sub-division indicate departures from normal.

*Data of Himachal Pradesh is not included.

Sub Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.	Precipitation (0·3 or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28	29
Bay Islands																														
Maya Bandar	30·2	..	32·5	23	22.7	..	20·9	16	30·6	31·2	..	19·4	28	2	..	10·5	7·1	..	0	3	0	0	4	0	0	0	0	0	0
Long Island	30·0	..	31·5	24	21·5	..	17·8	16	17·6	16·4	..	16·4	28	1	..	7·4	3·8	..	0	1	0	0	0	0	0	0	0	0	0
Port Blair	31·5	+1·8	32·6	24	22·0	+0·6	19·7	16,22	17·4	24·9	−2·3	25·8	28	1	−1·0	8·3	6.3	−5·1	1	1	0	0	1	6	0	0	0	0	0
Car Nicobar	30·2	...	31·1	25	23·5	..	17·3	20	0	31·7	..	16·2	26	3	..	9·3	5·8	..	0	3	0	0	1	0	0	0	0	0	0
Nancowry	32·9	..	34·0	19	24·7	..	21·9	7,27	3·0	44·4	..	35·6	27	2	..	0·6	0·3	..	0	4	0	0	1	0	0	0	0	0	0
Kondul	..	..	..	..	25·6	..	23·2	27	42·0	111·4	..	78·2	27	5	..	..	..	..	0	5	0	0	2	0	0	0	0	0	0
North Assam (Including NEFA)																														
Pasighat	23·2	..	27·3	27	12·3	..	10·1	10	41·6	120.7	..	48·2	7	7	..	9·3	13·7	..	1	11	0	0	6	0	0	0	0	0	0
Dibrugarh (Mohanbari)	24·0	+1·2	27·4	27	9·8	−1·6	6·6	11	18·9	90·5	+28·5	25·9	6	7	+0·8	5·7	3·5	+0·2	0	11	0	1	10	0	0	0	0	0	0
Digboi	24·6	..	27·0	28	10·5	..	7·8	19	10·3	40·1	..	10·5	7	5	..	..	..	..	0	10	0	0	0	0	0	0	0	0	0
North Lakhimpur	23·8	+0·4	27·2	27	10·3	+1·4	6·4	12	18·1	49·3	−4·9	20·0	7	6	−0·2	6·0	3·4	..	0	11	0	0	5	0	0	0	0	0	0
Sibsagar	24·1	+1·3	26·7	15,27, 28	12·5	+0·5	9·1	12	18·6	56·7	+5.4	11·4	8	7	+1·8	4·0	3·4	+0·5	1	11	0	0	9	16	0	0	0	0	0
Gohpur	24·2	..	27·5	28	11·2	..	7·4	13	4·7	69·9	..	28·4	5	6	..	5·4	4·1	..	0	8	0	0	3	0	0	0	0	0	0
Majbat	24·9	..	28·5	28	14·5	..	10·9	27	..	76·6	..	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	0	0
Jorhat (Aerodrome)	24·6	..	28·0	28	12·0	..	8·9	12	45·6	70·8	..	14·3	8	8	..	..	..	..	0	8	0	0	8	4	0	0	0	0	0
Tangla	26·4	..	29·2	27	11·0	..	8·3	11,12, 13	0	171·2	..	60·3	7	4	..	1·1	1·7	..	0	4	0	0	0	0	0	0	0	0	0
Tezpur	25·2	−0·5	28·5	27	13.5	+0·2	11·3	13	13·0	51·1	+23·7	15·8	5	6	+3.3	5·6	4·1	+0·4	0	7	0	0	0	0	0	0	0	0	0
Golaghat	25·0	..	28·1	24	12.1	..	7.9	13	9·0 (d)	53.8 (d)	..	14·8	5	5	..	..	..	..	0	6	0	0	0	0	0	0	0	0	0
Rangia	26·1	..	29·8	27	11.6	..	9·5	17,25	3·3 (e)	56·8	..	24·0	7	5	..	6·1	4·2	..	0	5	0	0	3	0	0	0	0	0	0
Chaparmukh	26·2	..	30·0	28	12·9	..	9·8	23,27	10·6 (d)	30·2	..	9·3	20	3	..	6·8 (d)	5·1	..	0	6		0	0	0	0	0	0	0	0
Goalpara	24·7	..	28·4	2	11·3	..	5·5	17,18	0	32·4	..	24·6	7	2	..	..	..	..	0	4	0	0	0	0	0	0	0	0	0
Gauhati	23·4	−2·2	25·2	4days	14·6	−0·7	10·1	9	..	6·1	−23·6	3·0	4	1	−1·6	..	..	..	0	3	0	0	0	0	0	0	0	0	0
Gauhati (Bhorjor)	25·4	−0·2	28·3	28	11·5	+1·3	8·5	25	9·8	39·0	+9·3	10·0	7	5	+2·4	6·1	3·8	..	1	5	0	1	4	4	0	0	0	0	0
Dhubri (Rupsi)	26·6	..	30·1	20	11·1	..	7·0	24	15·7	20·2	..	16·5	20	1	..	8·3	6·1	..	0	3	0	0	3	2	0	0	0	0	0
Dhubri	26·1	+1·1	29·7	28	17·5	+4·1	15·0	1	0	6·5	−12·3	2·4	8	0	−1·5	6·8	8·0	+2·4	0	3	0	0	2	0	0	0	0	0	0
Lumding	26·7	+1·6	30·0	3	10·2	0	6·9	25	26·7	61·6	+28·3	17·4	4	5	+2·0	5·3	3·0	..	0	6	0	0	0	0	0	0	0	0	0
South Assam (including Naga land, Manipur, Tripura)																														
Tura	26·1	..	28·2	14,15	9·1	..	5·6	24	10·9	12·2	..	10·8	8	1	..	6·2	6·4	..	0	3	0	0	0	0	0	0	0	0	0
Haflong	22·5	..	25·3	3	10·8	..	8·2	10	50·8	115·0	+ 76·1	44·2	6	4	+0·7	..	..	..	0	4	0	0	0	0	0	0	0	0	0
Silchar (Kumbhirgram)	26 4	..	29·7	3	13·2	..	10·3	12	44·4	208·8	..	70.8	6	4	..	7.1	9.0	..	0	5	0	0	4	0	0	0	0	0	0
Silchar	23·8	−3·2	28·4	27	13·7	+0·5	10·6	25	22·6	176·0	+128·0	64·6	5	5	+1·4	3·4	2.1	−0·3	1	5	0	0	3	0	0	0	0	0	0
Imphal (Tulihal)	22·5	−0·3	25·3	22	5·0	−1·5	0·6	25	10·2	86·9	+55·8	40·0	6	4	+1·3	7·5	4·9	−1·8	1	5	0	0	5	1	0	0	0	0	0
Kailashahar	27·3	..	29·9	2	12·2	..	7·1	25	106·8	124·2	..	66·3	8	3	..	4·0	2·8	..	1	3	0	2	4	3	0	0	0	0	0
Agartala	28·2	−0·3	31·0	6	12·0	−1·3	7·2	25	6·5	28·8	+0.2	17·1	8	2	+0·3	8·3	4·8	−0·3	0	4	0	1	3	1	0	0	0	0	0
Sub-Himalayan West Bengal																														
Baghdogra	26·0	−0·6	28·5	28	10·0	−0·9	6·4	22	4·2	14·6	+12·3	6·4	7	3	+2·8	10.3	7.5	+2·7	1	3	0	0	3	1	0	0	0	0	0
Jalpaiguri	26·4	+1·5	31·9	1	12·9	+0.8	9·5	24	15.2	22·0	+5·0	14·6	20	2	+0.6	..	..	..	0	2	0	1	2	0	0	0	0	0	0
Cooch Behar	26·0	..	28·2	28	10·9	..	7·6	24	2·8	9·7	−10·9	6·7	20	1	−0·8	6·3	3·3	..	0	3	0	0	3	4	0	0	0	0	0
Balurghat	28·5	..	30·4	20	11·6	..	8.1	24	1·0	3·1	..	1·8	7	0	..	4.8	3·1	..	0	2	0	0	0	0	0	0	0	0	0
Malda	28·1	+1·8	30·6	20	13·3	+1·0	10·3	16	10·0	23·5	+2·4	13·2	20	2	+0·3	3·5	2·0	−2·7	0	3	0	0	2	0	0	0	0	0	0
Gangetic West Bengal.																														
Berhampore	28·9	+1·4	31·5	5	13·5	−0·1	10·9	26	4·0	11·2	−9·9	4·0	9	3	+1·3	4·2	2·2	−0·2	0	4	0	0	1	17	0	0	0	0	0
Suri	28·9	..	33·1	6	13·8	..	10·2	10,11	..	39·0	..	21·5	19	4	..	..	4·1	..	0	5	0	0	0	0	0	0	0	0	0
Asansol	29·5	+1·6	34·5	6	12·8	−1·3	8·7	16	21·8	38·1	+6·4	26·0	20	2	−0·5	8·0	4·8	−1·0	0	5	0	0	0	3	0	0	0	1	0
Shanti Niketan	29·0	..	32·8	6	13·8	..	10·6	12,16	8·5	32·1	..	14·6	20	4	..	5.8	4·6	..	0	5	0	0	4	1	0	0	0	1	0
Krishnanagar	30·5	+2·3	33·0	5,6	13·5	+0·8	9·4	16,17	0·3	18·5	−10·7	14·0	20	1	−0·8	4.7	2.9	+0·2	0	4	0	0	3	0	0	0	0	0	0
Purulia	28·5	−0·5	32·5	5	13·6	−1·7	10·4	25	18·4	32·8	+19·7	19·4	21	3	+1.5	6·0	3·7	0	0	3	0	0	2	0	0	0	0	0	0
Bankura	30·0	..	34·3	6	15·0	..	12·0	16	0	36·2	+7·2	26·6	20	3	+0.9	4.1	2·4	..	0	3	0	0	0	0	0	0	0	0	0
Burdwan	29·9	+1·4	33·5	6	..	..	..	..	0	20·2	−13·3	12·0	20	3	+1·0	5.3	3·6	+1·2	0	4	0	0	0	0	0	0	0	0	0
Barrackpore. (Aerodrome)	28·0	..	30·0	19	14·2	..	10·2	13,16, 25	0	16·5	..	10·0	20	2	..	..	..	..	0	3	0	0	4	6	0	0	0	0	0
Calcutta (Dum Dum)	29·6	+0·4	32.5	5	15·0	−0·2	11·4	17,25	6·4	28·2	+12·1	13·0	20	4	+2·5	7·1	4·5	−0·6	0	5	0	0	4	7	0	0	0	0	0
Calcutta	29·6	+0·9	32·5	5,6	16·3	+1·1	12·9	13	4·4	33·7	+4·0	19·8	21	3	+1·2	7·4	4·3	+0·1	0	4	0	0	3	2	0	0	0	0	0
Midnapore	29·8	+0·1	34·4	6	15·7	−0·5	12·8	17	0·2	21·4	−12·9	11·2	20	2	0	6·6	4·6	+1·5	0	2	0	0	2	0	0	0	0	0	0
Contai	28·9	−0.5	31·3	5	17·0	−0·5	14.0	17	0	37·6	+26·6	32·0	7	2	+1·3	9·1	5·6	−1·1	0	3	0	0	0	2	0	0	0	0	0
Sagar Island	26·9	−0.1	28·5	25	18·9	+0·8	13·4	1	0	103·5	+74·3	68·9	7	2	+0·2	15·0	13.2	+2·4	0	2	0	0	3	13	0	0	0	0	0
Sandheads	28·6	..	31·3	2	21·9	..	16.2	9	0	13·2	−1·0	8·0	7	2	+0.9	..	..	..	0	3	0	0	0	0	0	0	0	0	0
Orissa																														
Baripada	31·2	..	35·7	6	14·9	..	12·3	26	20·8	35·4	..	16·6	7	3	..	4·7	2·6	..	0	4	0	1	4	0	0	0	0	0	

(e) Total or mean of 26 days.

(d) Total or mean of 27 days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground rost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28	29
Orissa—(Contd.)																														
Jharsuguda	30·9	+0·3	33·0	20	(n) 14·7	+0.3	..	..	2·6	12·4	−11·0	9·1	7	1	−0·5	8·6	7·8	+1·4	1	3	0	0	1	0	0	0	0	1	0
Keonjhargarh	28·6	..	31.4	20	..	..	..	..	1·0	30·0	..	11·0	7	4	..	7·9	4·7	..	0	5	0	0	0	0	0	0	0	0	0
Balasore	29·8	+0·5	33·8	5	15·3	−1·1	12·0	17	6·6	32·5	−2·3	20.9	7	3	+0.6	7·9	5 0	+0·8	0	3	0	0	4	0	0	0	0	0	0
Sambalpur	31·2	+1·0	32·8	22	14.5	−0.7	11.4	17	0	0	−23·9	0	..	0	−2·0	4·3	3·8	−0·1	0	0	0	0	0	0	0	0	0	0	0
Angul	30·6	+0·2	33·3	20	16·1	−0·2	12·6	17	5.7	45·5	+16.8	21·0	20	4	+1·9	5·9	5.6	0	0	4	0	0	3	0	0	0	0	0	0
Chandbali	29·7	+0·2	33·4	7	16·5	−1·1	13·5	1	0	63·8	+30.5	37·0	21	2	+0·2	9·1	6·4	−1·2	1	3	0	0	2	0	0	0	0	0	0
Bolangir	31·5	..	34·9	20	16·1	..	13·0	1	0	3·2	..	3.2	21	1	..	3·9	4.9	..	0	1	0	0	2	0	0	0	0	1	0
Phulbani	29·2	..	32·2	20	12·6	..	7·3	17	14·4	25·9	..	14·0	23	3	..	4·6	2·2	..	0	3	0	0	4	0	0	0	0	0	0
Cuttack	32·3	+1·1	34·8	5	18.5	+0.3	15·3	16	0	20.9	+1.1	9·6	20	3	+1·5	5·6	3·7	+1·3	0	3	0	0	3	0	0	0	0	0	0
Titlagarh	32·1	..	35·1	20	16·7	..	13·0	1,17	0	17·4	..	17·4	7	1	..	4·0	2·9	..	0	1	0	1	1	0	0	0	0	0	0
Bhubaneswar	31·5	−0·5	34·7	21	18·0	−0·5	14·9	16, 17	0	7·0	−17·7	5·4	21	1	−0·3	11·5	9·5	−1·5	0	3	0	0	3	0	0	0	0	1	0
Puri	28·2	−0·1	30·0	17	19·2	−1·4	13·3	8	0	9.4	−14·0	9·2	7	1	−0·2	16·0	12·0	−1·7	1	1	0	0	1	0	0	0	0	0	0
Gopalpur	29·2	+0·6	31·3	15	19·4	−0·2	16·3	17	0	1·2	−21·7	1·2	21	0	−1·2	17·2	13.1	+0·9	0	1	0	0	1	1	0	0	0	0	0
Koraput (R)																														
Bihar Plateaus																														
Dumka	29·1	+2·2	33·5	6	13·2	0	9·5	11	1·2	14·1	−9·8	8·5	20	1	−1·0	8.1	4·0	+1·6	0	5	0	0	1	0	0	0	0	0	0
Daltonganj	28·2	+1·6	32.8	5	10.2	−0.9	5.8	25	0	0	−32·3	0	—	0	−2.4	5.6	3.5	−0.4	0	0	0	0	0	0	0	0	0	0	0
Hazaribagh	25·5	+0·4	29·5	5	10·9	−1.4	6.4	10	0·8	3·8	−28.2	2·2	21	0	−2·5	10·7	8·1	−0·8	0	3	0	0	2	0	0	0	0	0	0
Dhanbad	28·7	..	33·0	6	15.2	..	12·4	10, 11	26·8	26·8	..	13·4	20, 21	2	..	4.5	3·9	..	0	2	0	0	4	0	0	0	0	0	0
Ranchi	25.1	+0.2	30·2	6	13·4	+0·6	11·1	26	10·5	39·5	−6·2	15·1	21	3	−0·4	..	..	..	0	3	0	0	1	0	0	0	0	0	0
Ranchi(Aerodrome)	25·6	..	29·5	5	12·7	..	9·9	25	19.0	69·4	..	45·0	7	2	..	11·5	8·3	..	0	3	0	0	3	0	0	0	0	1	0
Jamshedpur	29.5	+1.0	32·4	5,6	13·5	−0·8	11·1	1	0	12·8	−36·7	7·4	7	2	−1·7	6·5	4·1	+0·4	0	2	0	0	1	19	0	0	0	0	0
Jamshedpur (P.B.O.)	29.0	..	32·6	6	14·0	..	10·4	26	0·5	22·2	..	11·6	7	2	..	7·2	4·6	..	0	3	0	0	4	0	0	0	0	0	0
Chaibasa	29·7	+0.9	32·8	5	13·5	−0·6	10·3	16, 17, 26	5·4	14·0	−23·9	11·8	7	1	−1·5	4·5	2·9	+0·3	0	3	0	0	1	0	0	0	0	0	0
Bihar Plains																														
Motihari	26·6	+1.7	28.9	15,27	..	..	..	..	0	0	−15·2	0	..	0	−1.4	6·3	3·6	−0·1	0	0	0	0	0	0	0	0	0	0	0
Forbesganj	27·1	..	29·4	28	9·9	..	5·6	23	0	0·8	..	0·8	6	0	..	8·5	5·3	..	0	1	0	0	0	0	0	0	0	0	0
Darbhanga	27·4	+1·9	29.0	28	11·3	−0·3	8·4	9,10	0	0	−13·5	0	..	0	−1·4	4·5	3·0	−0·4	0	0	0	0	0	0	0	0	0	0	0
Muzaffarpur	..	..	..	..	..	..	..	..	..	0	−14·5	0	..	0	−1·7	..	..	..	0	0	..	..	..	..	..	..	..	..	..
Chapra	27·2	..	30·3	20	12·7	..	9·2	15, 24	0.2	0·2	−17·1	0·2	19	0	−1·6	3·9	2·8	..	1	0	0	0	0	3	0	0	0	0	0
Purnea	27·7	+1·6	31·1	20	9·0	−1·9	4·5	10	0	1·0	−14·7	1·0	6	0	−1·3	7·6	4·0	+0·6	0	1	0	0	0	0	0	0	0	0	0
Patna	28.1	+2·7	31·0	20	12·9	+0·2	9·8	9,16	0	0·5	−18·3	0·5	20	0	−1·6	7·0	6·2	+1·7	0	1	0	0	0	0	0	0	0	0	0
Patna Aerodrome	27·2	..	29·7	5	10.8	..	6·9	10	0	0·9	..	0·9	20	0	..	10·2	4·7	..	0	1	0	0	2	1	0	0	0	0	0
Arrah	..	..	..	..	..	..	..	..	..	0	−21.1	0	..	0	−1·6	..	..	..	0	0	..	..	..	..	..	..	..	..	..
Bhagalpur	28·6	+1·2	32·4	20	13·5	−0·8	10·2	10	3·2	4·0	+0·5	3·2	20	1	+0·5	8·0	5·3	−1·0	0	3	0	0	3	2	0	0	0	0	0
Sabaur	27·6	+1·9	32·0	20	9·1	−1·7	5.0	24	9·2	10·8	−9·3	9.2	20	1	−0·7	9·0	4·3	−1·3	0	3	0	0	3	1	0	0	0	0	0
Jamui	29·8	..	32·3	6,7	11·6	..	9·2	10, 11	0	0·1	..	0·1	7	0	..	6·3	4·7	..	1	0	0	0	0	0	0	0	0	0	0
Dehri	28·0	..	30·8	6	14·1	..	10·4	11	0	2.3	−19.0	2.3	7	0	−1·8	7·6	4·9	..	0	1	0	0	0	0	0	0	0	0	0
Gaya	27·9	+1·6	2·2	20	11·7	+0·1	7.7	24	0·2	1·8	−19·8	1·4	7	0	−1·8	10·0	6·1	−0·3	2	1	0	0	1	0	0	0	0	0	0
Uttar Pradesh (East)																														
Kheri (R)																														
Bahraich	26·6	+1·6	29·5	28	10·7	+0·2	7·1	22, 23	0	0	−23.1	0	..	0	−2·0	8·3	5·4	+2·0	0	0	0	0	0	0	0	0	0	0	0
Nautanwa	27·1	..	29.6	28	5.1	..	2·6	4 days	0	8·4	..	8·4	19	1	..	6·1	3·4	..	0	1	0	0	0	0	0	0	0	0	0
Hardoi	25·9	−0.2	29.1	19	9.3	−1.4	5·0	23	0	0·8	−8·9	0·8	13	0	−1·1	8.5	7·0	+1·6	0	1	0	0	0	0	0	0	0	0	0
Gonda	26·6	+1·0	29·0	28	10.8	0	7.0	23	0	2.1	−21·0	2·1	19	0	−2·3	7·3	4·9	−0·1	0	1	0	0	0	0	0	0	0	0	0
Lucknow	26·0	+0·1	28·2	6	10·5	−0·3	7·0	23	0	0	−18·3	0	..	0	−1·6	5.0	3·6	+0·9	0	0	0	0	0	0	0	0	0	0	0
Lucknow (Amausi)	26·7	+1·3	29·7	28	8·9	−0·1	5·5	16	0	0.9	−17·4	0.4	19	0	−1·6	13·1	8·4	..	1	2	0	0	2	0	0	0	0	0	0
Faizabad	27·1	..	30·0	28	10·5	..	6.2	22	0	0	..	0	..	0	..	6·0	2·9	..	0	0	0	0	0	3	0	0	0	0	0
Gorakhpur	27·8	+2·4	30·6	28	12·5	+1·3	9·1	23	0	0.1	−15·9	0·1	20	0	−1·8	7·0	1.7	−1 0	1	0	0	0	0	0	0	0	0	0	0
Kanpur	26·8	+1·8	31·3	19	11·0	+0·4	6.7	16	0	0	−16·8	0	..	0	−1·6	12.4	10·0	+3·4	0	0	0	0	0	1	0	0	0	0	0
Kanpur (Aerodrome)	27.2	..	30·3	6	10·1	..	5·9	22	0	1.7	..	0.9	13	0	..	..	..	..	0	2	0	0	0	0	0	0	0	0	0
Sultanpur	27·1	..	30·5	28	10.1	..	7·3	22	0	0	..	0	..	0	..	7·6	5·1	..	0	0	0	0	1	0	0	0	0	0	0
Azamgarh	28·1	..	30.9	5	10·9	..	7.6	24	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Fatehpur	27·7	+1·1	30·9	4	9.6	−1.7	5·7	8	0.2	0·5	−17·5	0.3	13	0	−2·4	10·8	6.0	+1·8	1	1	0	0	1	0	0	0	0	0	0
Ballia	27.8	..	31·0	28	9·3	..	6·5	24	0	0	..		..	0	..	5·8	3·6	..	0	0	0	0	0	0	0	0	0	0	0
Banda	28·3	..	32·3	5	10·9	..	6·7	10	0	0	..	0	..	0	..	2·8	1·4	..	0	0	0	0	0	0	0	0	0	0	0
Allahabad (Bamraulil).	28·5	+2·3	31·6	5,6	11·4	+0·9	7.4	24	0	0·8	−15·2	0·8	7	0	−1·7	5·9	2·9	−2.2	0	1	0	0	2	0	0	0	0	0	0
Varanasi (Babatpur)	28·2	+0.9	31.0	19	9·8	−1·8	6·1	10	0·2	0·4	−7·5	0·4	7	0	−0·8	12·5	7·6	−1.5	0	1	0	0	0	0	0	0	0	0	0
Varanasi	28·1	+1·8	31·5	19	11.9	+0·7	7·8	11	0	0	−18·0	0	..	0	−1·9	7·2	5·8	+1·3	0	0	0	0	0	0	0	0	0	0	0

(n) Mean of 17 days.

(R) Register not received.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830—1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28	29
Uttar Pradesh (West)																													
Mukhim	11·7	..	18.7	3	3·5	..	0.2	4 days	..	..	..	..	..	..	..	..	..	..	..	..	5	1	4	1	0	0	0	0	0
Tehri	20·5	.	26·5	3	6·3	..	3·9	22	39·5	149·3	..	50·3	5	8	..	2·3	1·1	..	1	9	0	0	3	1	0	0	0	0	0
Dehra Dun	20·9	+0.2	24·8	3	7·1	−1·0	3·8	22	31·7	158·2	+95·5	67·8	5	6	+2·2	3·9	3·7	+1·0	0	8	0	2	4	0	0	0	0	0	0
Mansiari	9.4	..	15·3	27	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9	2	0	0	0	0	0	0	0
Roorkee	23·2	+0·7	27·0	3,28	8·1	−0·2	5.8	24,25	19.8	43·5	+4·9	17·8	14	4	+1·2	7·5	5 1	+1·6	0	5	0	0	5	0	0	0	0	0	0
Najibabad	24.2	..	27·7	25,26	7·0	..	3·5	24	0	13·8	..	13·8	13	1	..	4·1	6·6	..	0	1	0	0	6	0	0	0	0	0	0
Meerut	25·0	+1.5	29·0	3	8·3	−0.6	4.1	4	..	5.0	−20·9	5·0	13	1	−1.2	..	8·7	..	0	1	0	0	0	0	0	0	0	0	0
Bareilly	25·6	+1·7	28·7	28	10·4	+0.3	6·7	23	0.4	20.0	−4.6	11·0	19	2	+0·1	9·8	7·3	+4·1	0	2	0	0	4	4	0	0	0	0	0
Aligarh	..	..	..	..	8·8	−1·5	4·4	22	..	11.4	−7·9	11.0	13	1	−1·1	12·0	8.6	+3.0	0	2	0	0	2	0	0	0	0	0	0
Mainpuri	28·1	+2·7	32·0	4	..	..	..	..	0	4.8	−8.9	4.8	13	1	−0·2	8·3	4·4	+1·7	0	1	0	0	2	0	0	0	0	0	0
Agra	25.8	+0·6	31·5	4	10·0	+1·0	5·8	23	0	9.0	−3·5	9.0	13	1	−0·1	5·1	4·1	−1·0	0	1	0	0	0	0	0	0	0	0	0
Agra (Aerodrome)	26·1	..	31·3	4	8·8	..	3·8	24	0	12.7	..	12.7	13	1	..	..	..	..	0	1	0	0	2	0	0	0	0	0	0
Orai	27·0	..	32·1	21	10·9	..	7.0	22	2.0	2.0	..	2.0	13	0	..	..	..	..	0	1	0	0	0	0	0	0	0	0	0
Jhansi	28·2	+1·0	33·6	4	10·6	−0.8	6·5	24	0	1.3	−10·1	1.3	13	0	−1.1	4·8	5·0	+0.7	0	1	0	0	0	0	0	0	0	0	0
Punjab (India) (Including Delhi)																													
Pathankot	20·5	−1·7	24.4	28	6·3	−2·1	1·4	22	20.9	65·0	+23·1	30·1	13	6	+3.7	..	..	..	0	6	0	1	4	0	0	2	0	0	0
Bhuntar	15·2	..	22·3	1	3·1	..	0.5	22	78.8	185·5	..	32·4	19	12	..	5·7	4·8	..	0	14	0	1	7	0	0	0	0	0	0
Amritsar (Rajasansi)	21.8	−0.3	26.4	27	6·4	+0·1	2·1	21	1.8	16·7	+0·8	11·1	13	1	−0·6	10.9	8.1	+0.2	0	5	0	0	6	1	0	0	0	0	0
Adampur (Aerodrome)	21·9	..	25·5	27	5·6	..	−0·2	21	5.6	37·8	..	23·1	13	3	..	..	..	..	0	5	0	0	5	3	0	0	0	0	0
Ludhiana	23·1	+1·3	27·6	27	8·2	−0.4	2·8	21	3.3	36.9	+2·6	24.2	13	2	−0.7	7.1	5·1	+2·4	0	4	0	0	3	0	0	0	0	0	0
Ferozepur	21·6	..	25·0	27	7·6	..	2.7	23	0	9.0	..	9·0	13	1	..	4.7	4.1	..	0	1	0	0	0	7	0	0	0	0	0
Halwara (Aerodrome)	21·5	..	25.3	27	6.6	..	1·9	21	1·0	42·1	..	22·9	19	3	..	..	..	..	0	3	0	1	4	2	0	0	0	0	0
Chandigarh	22.6	−0·8	26.5	27	10·3	+1.4	7·2	9	1.5	80·7	+55·2	44·4	13	3	+1.4	..	..	..	0	5	0	0	0	0	0	0	0	0	0
Ambala (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ambala (Aerodrome)	22·7	..	26·7	28	8·4	..	3.1	21	0	41·4	−10.1	27·8	13	3	..	..	..	..	0	3	0	0	6	0	0	0	0	0	0
Patiala	23·4	..	27·3	27	9·4	..	4·3	21	0	26.0	..	19.2	13	2	−0·7	11.9	10·3	..	0	3	0	0	2	0	0	0	0	0	0
Bhatinda	23·4	..	27·4	27	7·0	..	1·4	21	0	0	..	0	..	0	..	3.7	4.9	..	0	0	0	0	0	0	0	0	0	0	0
Karnal	22·7	..	26·0	3,28	..	..	..	..	0	36·0	..	30·0	13	2	..	..	..	..	0	2	0	0	0	0	0	0	0	0	0
Hissar	24·8	+0.2	29·1	5	8·3	−0·1	2·4	23	0	12·1	−1·6	8·3	13	1	−0·2	9·1	8·0	+1·7	0	3	0	0	0	2	0	0	0	0	0
New Delhi (Safdarjang)	23.8	−0.5	29.0	3	9·6	+0 2	6.1	23	0.7	8·7	−12·4	6.0	13	2	+0·3	17.3	11 6	+1·0	0	2	0	0	3	0	0	0	0	0	0
Palam (Aerodrome)	24·2	..	28 9	5	8 4	..	3·0	23	0	9.5	..	7·0	13	2	..	..	..	..	0	2	0	0	2	0	0	0	0	0	0
Himachal Pradesh																													
Mandi	19·1	−2·2	24·5	27	..	..	..	..	28·7	103.9	+73·8	31·6	19	8	+5·5	2·6	1·9	−0·6	0	8	0	0	3	3	0	0	0	0	0
Bilaspur	23·6	..	28·0	28	7·2	..	1·4	28	20.0	85.7	..	26.5	13	6	..	2·6	2·6	..	0	8	0	0	0	0	0	0	0	0	0
Jammu and Kashmir																													
Misgar (R)																													
Gilgit (R)																													
Skardu (R)																													
Dras*																													
Sonamarg	..	..	..	..	..	..	.	..	..	105·1	−131·9	20·5	4	7	−2·9	..	..	..	0	15	..	..	..	..	..	..	..	..	..
Leh	1·5	+0·9	6·0	1	−11·0	+1.1	−17·4	22	0	4·2	−3·7	4.	3	1	+0·1	5·3	5·6	+3·3	0	1	4	0	0	0	0	0	0	0	0
Srinagar	6·1	−0·6	9·4	8,28	0·1	+1·5	−1·6	8,20	38.6	101·1	+29.0	20·5	5	10	+3·8	5.7	(j) 5·4	+1·5	0	14	6	0	1	0	0	0	0	0	0
Srinagar (Aerodrome)	5·6	..	9·0	28	−0.6	..	−3.9	23	33.3	98·8	..	20·9	5	10	..	..	..	..	0	12	7	0	1	1	0	0	0	0	0
Gulmarg	Closed during winter Months.																												
Qazigund	6.3	..	9·8	28	−1·5	..	−7·1	21	101.5	256·5	..	55·4	19	11	..	2·0	1·6	..	0	15	9	0	3	2	0	0	0	0	0
Banihal	8·7	..	14·6	1	−0·1	..	−6·6	20	148·1	358·9	..	64.2	17	12	..	..	..	..	0	15	5	0	5	0	0	0	0	0	0
Jammu	20.8	+0·5	24·8	28	8·4	−2.3	4·5	23	33.5	67·1	+2.8	21·0	19	6	+2.3	6·6	6·8	..	0	6	0	0	0	0	0	0	0	0	0
Jammu (Aerodrome)	20.1	..	24·1	27	9·2	..	4·5	21	28.5	60·3	..	19·6	19	4	..	..	..	..	0	5	0	0	5	0	0	0	0	0	0
Rajasthan (West)																													
Ganganagar	24.9	−0·1	30·7	4	6·5	−2.6	3·2	23	0	0	−5.1	0	..	0	−0·5	5·5	3·6	−0·2	0	0	0	0	0	1	0	0	0	0	0
Anupgarh (R)																													
Mahajan	26 2	..	32·3	4	..	..	..	..	0	0	..	0	..	0	..	10.9	6·7	..	0	0	0	0	0	0	0	0	0	0	0
Churu	26·0	..	32·3	3,4	8·1	..	3·6	24	7.2	7·6	..	7·2	13	1	..	9·9	7.0	..	0	2	0	1	2	0	0	0	0	0	0
Bikaner	27·8	+1.6	33·4	3	8·3	−0 1	4.1	23,24	0	1.8	−5·1	1.8	18	0	−0.7	3·4	4.5	−1·3	0	1	0	0	0	0	0	0	0	0	0
Nagaur	27·5	..	31·6	2	9·3	..	4·4	8	0.2	0.2	..	0.2	13	0	..	7·8	6·4	..	1	0	0	0	0	0	0	0	0	0	0
Phalodi	27·9	..	33·6	2	9·6	..	5.0	20	0	0	−5·6	0	..	0	−0·6	12.0	9.6	..	0	0	0	0	0	0	3	0	0	0	0
Jaisalmer	28·2	..	33.0	2	11·2	..	6·6	7	0	0·1	..	0	..	0	..	10·2	8 4	..	1	0	0	0	0	0	0	0	0	0	0
Jodhpur	28·1	+1·1	34·0	2	12·4	+1·0	9.4	23	1.6	1·6	−4·5	1.6	13	0	−0.6	10·6	7·6	−3·3	0	1	0	0	1	0	0	0	0	0	0
Barmer	29·7	+2·3	35·0	3	13·6	+0·5	10·2	23	0	0	−7·1		..	0	−0·6	7.7	6.1	−1·8	0	0	0	0	0	0	0	0	0	0	0

(j) Mean of 21 days. (R) Register not received. *Data not available.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, kms. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Rajasthan (East)—(*Contd.*)																														
Erinpura (Jawai Dam)	29·4	..	33·5	3	11·6	..	6·0	22	0·5	1·6	..	1·6	13	0	..	3·6	3·1 (h)	..	0	1	0	0	0	0	0	0	0	0	0
Munabao (R)	37·6	..	55·0	26	..	..	..	..	0	0	..	0	..	0	..	9·0	6·1	..	0	0	0	0	0	0	0	0	0	0	0
Pilani	25·7	..	32·5	5	7.1	..	2·5	23	0	6·2	..	6·2	19	1	..	11·0	8.7	..	0	1	0	0	1	0	0	0	0	0	0
Sikar	25.7	..	32·3	2	8·2	..	2·4	7	8·2	12·2	..	8·2	13	2	..	4·1	3·2	..	0	2	0	0	0	0	0	0	0	0	0
Alwar	25·4	..	32·2	4	10·8	..	8·2	23	0	4·6	..	3·8	13	1	..	4·8	2·2	..	0	2	0	0	2	0	0	0	0	0	0
Jaipur (Sanganer)	26·0	+1·2	31·6	4	10.9	+0 6	5·8	7	29 4	45·7	+37 6	43·1	12	2	+1·2	..	..	..	0	2	0	1	2	0	0	0	0	0	0
Dholpur	27.1	..	32.8	4	9.3	..	3·4	21	22	2·2	..	2·2	13	0	..	7·5	4·6	..	0	1	0	0	1	1	0	0	0	0	0
Ajmer	26·8	+1.8	31.4	2	9·9	0	6·5	23	0	0·2	−6·4	0·2	18	0	−0·7	8 6	5·5	+2·1	1	0	0	0	1	0	0	0	0	0	0
Tonk	27·8	..	33.7	4	10·2	..	5·9	23	0	0	..	0	..	0	..	7·2	6·0	..	0	0	0	0	0	0	0	0	0	0	0
Bhilwara	27·3	..	32·2	4	10·4	..	7·8	10, 21	0	0	..	0	..	0	..	8·9	5·9	..	0	0	0	0	0	0	0	0	0	0	0
Kota	29·1	+1·3	34.6	23	13·8	+0·8	8·6	9	0	0	−5·3	0	..	0	−0·5	6.3	3·5	+0·8	0	0	0	0	0	0	0	0	0	0	0
Kota (Aerodrome)	28·4	..	34.0	4	13·0	..	9.0	24	0·6	0·6	..	0·6	6	0	..	10·7	7·8	..	0	1	0	0	1	0	0	0	0	0	0
Chambal (Rawat Bhatta Dam)	28·5	..	33·4	4	12·2	..	8·6	9,21	0	0	..	0	..	0	..	9 1	6·0	..	0	0	0	0	1	0	0	0	0	0	0
Udaipur	27·4	+1 1	32·9	3	10·0	−0·3	7·0	8	0	0	−3 6	0	..	0	−0·5	4.7	2·4	..	0	0	0	0	0	0	0	0	0	0	0
Jhalawar	29·0	+1·1	33·6	4	11·4	−0 2	8·0	8	0	1·0	−1·0	1·0	6	0	−0·4	7·6	5·0	+0·8	0	1	0	0	0	0	0	0	0	0	0
Banswara	30·7	..	34·2	4	14·0	..	10·4	8	0	0	..	0	..	0	..	11·1 (b)	8·6 (c)	..	0	0	0	0	0	0	0	0	0	0	0
Madhya Pradesh (West)																														
Gwalior	27·1	+0·2	31·7	4	8 9	−1·0	4·4	24	0·3	0·3	−7 8	0·3	13	0	−0·8	10·5	5·6	..	0	1	0	0	1	0	0	0	0	0	0
Sheopur	28·2	−0·2	32·4	4	9·9	0	5·2	21	0	0	−5·5	0	..	0	−0·6	9·2	7·2	+2·1	0	0	0	0	0	0	0	0	0	0	0
Shivpuri	26·9	..	31·5	4	7·4	..	1·8	24	0	0	..	0	..	0	..	5·3	5·3	..	0	0	0	0	0	0	0	0	0	0	0
Nowgong	28·5	+1·8	32·9	4.5	9·0	−1·4	4 8	24	0	1·0	−13.5	1·0	13	0	−1·3	6·4	3·4	+0 8	0	1	0	0	0	0	0	0	0	0	0
Guna	27·9	+0·6	32·0	4	9·3	−0·8	5·1	24	0	0	−4 8	0	..	0	−0·6	11·9	7·6	..	0	0	0	0	0	0	0	0	0	0	0
Nimach	27·8	+0·7	31·9	3,4	12·1	+1·0	8·2	15	0	0	−3 8	0	..	0	-0.4	11·0	8·0	+0·6	0	0	0	0	0	0	0	0	0	0	0
Rajgarh	29·2	..	33·0	4,5	10·7	..	6·0	8	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Sagar	28 4	+1 1	30·9	4	13·4	+0.2	10·5	9,15	0	3·0	−8·9	2·0	13	0	−1·2	8·8	8·0	..	0	2	0	0	1	0	0	0	0	0	0
Ratlam	29 2	−0·1	32.8	4	12 2	−0·8	9·0	22	0	0	−1 7	0	..	0	−0.3	12·1	9·4	+1·2	0	0	0	0	0	0	0	0	0	0	0
Bhopal (Bairagarh)	28.2	0	31·7	4	11·8	−0·8	8·4	8	0	3·2	−0 6	3·2	13	1	+0·5	12·4	10·2	+2·5	0	1	0	0	1	0	0	0	0	1	0
Ujjain	29·2	..	32.6	3	10·1	..	5·9	9	1·0	1·0	..	1·0	13	0	..	12·7	8·3	..	0	1	0	0	1	4	0	0	0	0	0
Narsinghpur	29·7	..	32·4	5,6,18	9·4	..	4·8	8	1·0	5·0	..	4·0	13	1	..	6·6	3·6	..	0	2	0	0	0	0	0	0	0	9	0
Hoshangabad	30·6	+1·2	32·9	4 days	13.7	−0 5	9·4	9	0·4	1 2	−8·5	1·2	13	0	−0·9	6·9	3·9	+0.4	0	1	0	0	0	0	0	0	0	0	0
Indore	28·9	+0 2	32·2	4	11·2	+0·6	7·7	9	0	0	−3·6	0	..	0	−0·5	15.2	11·6	..	0	0	0	0	0	0	0	0	0	0	0
Rajpur (Jhabua)	30·4	..	34·0	4	13·0	..	10·0	9	0	0	..	0	..	0	..	8·1	4·4	..	0	0	0	0	0	0	0	0	0	0	0
Chhindwara	28·7	−0·2	31·8	27	12·3	−0.4	7·7	9,10	0	0	−5·9	0	..	0	−0·4	8·1	5·1	−0·1	0	0	0	0	0	0	0	0	0	0	0
Seoni	29·2	+0·9	32·0	19	13·2	+0·5	9·6	16	0	0	−20 6	0	..	0	−2·0	9·5	6·2	+1·7	0	0	0	0	0	0	0	0	0	0	0
Betul	29.3	−0·2	32·7	27	11.7	−0.6	6·7	16	0	0	−2 2	0	..	0	−0.3	8·0	4.6	−0·6	0	0	0	0	0	0	0	0	0	0	0
Khandwa	31·7	+0·2	34·0	27	13·4	+0·1	8·0	9	0	0	−4·1	0	..	0	−0·4	11·5	7·7	+2·2	0	0	0	0	1	0	0	0	0	0	0
Madhya Pradesh (East)																														
Satna	28·6	+2·3	32·6	19	11·1	−0·1	7·1	10	0·1	0·3	−19·5	0 2	20	0	−1·8	6·8	4·5	+0 3	2	0	0	0	1	0	0	0	0	0	0
Rewa	28·2	..	32·6	5	11·6	..	7·4	10	3·9	4.9	..	4·5	14	1	..	6·3	3·5	..	0	2	0	1	1	0	0	0	0	0	0
Sidhi	29·6	..	32·4	18	9·9	..	6·3	25	1·2	5·2	..	5·2	7	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0	0
Umaria	28.7	+1·4	31·9	5	10·6	−0·3	6·4	9	0	0	−25·4	0	..	0	−1·9	7·9	4·5	+0·5	0	0	0	0	0	0	0	0	0	0	0
Jabalpur	29.2	+1·8	32·4	18	11.6	+1·0	7·3	9	0	1·3	−18·0	1·0	13	0	−1·7	7·5	4·4	+1·7	0	2	0	0	0	0	0	0	0	2	0
Ambikapur	26.6	−0·5	29·2	5	10·7	+0·3	7·2	16	14·2	16·4	−5 8	9·5	7	2	+0·1	..	..	..	0	3	0	2	3	0	0	0	0	0	0
Jashpurnagar	25 4	..	27·3	27	9·4	..	6·0	26	4·0	21·0	..	18·0	7	1	..	9·3	4·9	..	0	3	0	0	0	0	0	0	0	0	0
Pendra	26·7	+1·1	29·6	20	13·0	+0·5	9·8	10	1·8	2·1	−35 2	1·8	7	0	−2·9	11·1	7·4	..	0	2	0	0	2	0	0	0	0	1	0
Mandla	28·9	−0·4	30·9	19	10·1	0	6·1	16	2·8	5·2	−10·1	5·2	14	1	−0·7	6·2	3·1	+0·7	0	1	0	1	1	0	0	0	0	0	0
Champa	30·3	−0·4	32·3	27	13.9	−1·9	10.6	17	0·6	2·8	−10·5	2·2	6	0	−1·2	7·7	3.9	+0·1	0	2	0	0	1	0	1	0	0	0	0
Raigarh	31.4	−0·5	33·2	20	15·5	−0·4	12·2	17	4·2	7·6	−7·9	5·8	7	1	−0·3	5.7	4·4	0	0	2	0	1	1	0	0	0	0	0	0
Raipur	30·2	+0·2	32·8	20	15·7	+0.1	12·4	16	0	0	−22·1	0	..	0	−1·3	8·4	6·0	+0.2	0	0	0	0	0	0	0	0	0	0	0
Kanker	30·2	+0·4	32·4	22	15·2	+0.5	11.6	10, 14	0	0	−21·8	0	..	0	−2·1	6·8	4·8	+0·5	0	0	0	0	0	0	0	0	0	0	0
Jagdalpur	30·9	+0 6	33·3	26	15·1	+0·8	11·4	2	0·6	0·6	+26·8	0·6	15	0	−1·6	6 9	3·7	..	0	1	0	0	0	0	0	0	0	0	0
Gujarat Region																														
Deesa	30·7	..	35·4	3	..	..	..	..	0	0	..	0	..	0	..	9·4	7·4	..	0	0	0	0	0	0	0	0	0	0	0
Radhanpur	31·0	..	35·4	3	12·9	..	11·1	24, 25	0	0	..	0	..	0	..	9·3	5·7	..	0	0	0	0	0	0	0	0	0	0	0
Idar	30·6	..	35·0	3	15 0	..	8.9	8	0	0	..	0	..	0	..	8.6	6·6	..	0	0	0	0	0	0	0	0	0	0	0
Ahmadabad	31·7	+1·3	35·7	3	13·6	−0·4	10.5	21	0	0	−2·0	0	..	0	−0·2	9·5	5 5	−1·3	0	0	0	0	0	0	0	0	0	0	0
Dohad	30·3	−0·3	33·5	3,27, 28	14.3	+0·1	11·1	22	0	0	−1·7	0	..	0	−0.2	12.3	11 5	−1·2	0	0	0	0	0	0	0	0	0	0	0
Vallabh Vidyanagar	29·0	..	36·6	4	11·5	..	8·1	21	0	0	..	0	..	0	..	9·7	7·6	..	0	0	0	0	0	0	0	0	0	0	0
Baroda (Aerodrome)	32·4	..	36·2	3	14·2	..	9.4	21	0	0	..	0	..	0	..	9·6	6·7	..	0	0	0	0	0	0	0	0	0	0	0

(R) Register not received (g) Mean of 24 days. (h) Mean of 23 days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, kms. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dus-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Gujarat—contd.																													
Baroda	33.5	+0·9	37·5	3	14 8	+2·4	11.1	21	0	0	—1·4	0	..	0	—0·3	2·4	1·3	—2·3	0	0	0	0	0	0	0	0	0	0	0
Broach	33·6	—0·7	36·9	27	15·0	+0·1	11·7	21	0	0	—0·3	0	..	0	—0·1	4·5	3·1	—2·8	0	0	0	0	0	1	0	0	0	0	0
Surat	34·3	+2·4	36·6	1,3,27	17·5	+1·9	14·6	21	0	0	—2·0	0	..	0	—0·2	9·9	7·7	+2·6	0	0	0	0	0	0	0	0	0	0	0
Saurashtra and Kutch (Including Div.)																													
Naliya	30·2	..	35·8	2, 3	11·5	..	8·0	20,21	0	0	..	0	..	0	—0·4	11·1	6·6	..	0	0	0	0	0	3	0	0	0	0	0
Bhuj (Rudramata)	30·9	+2·3	35·4	3	13·6	+0·7	8.7	24	0	0	—4.3	0	..	0	..	11·2	9·3	0	0	0	0	0	0	1	0	0	0	0	0
Kandla Aerodrome	31.3	..	35·8	3	14·4	..	11·3	8	0	0	..	0	..	0	..	18·0	17·3	..	0	0	0	0	0	0	0	0	0	0	0
New Kandla	28 5	..	32·8	3	16·8	..	14.8	24	0	0	..	0	..	0	0	13·4	13·7	..	0	0	0	0	0	0	0	0	0	0	0
Mandvi	27·5	+1·2	33·0	3	15·9	+1·1	12·3	21	0	0	..	0	..	0	0	18·4	16·2	—0·2	0	0	0	0	0	3	0	0	0	0	0
Surendranagar	31·6	+0·2	35·7	3	15·8	+1·0	12.1	21	0	0	0	0	..	0	..	11·0	9·1	—1·2	0	0	0	0	0	0	0	0	0	0	0
Okha	25·9	..	28·6	3	20·4	..	18.6	9	0	0	..	0	..	0	—0·2	18·1	18·4	..	0	0	0	0	0	0	0	0	0	0	0
Jamnagar (Aerodrome).	29·9	+1·1	34·5	3	13·1	+1·1	9·8	16	0	0	—2·0	0	..	0	—0·5	..	..	..	0	0	0	0	1	0	0	0	1	0	0
Dwarka	28·0	+2·2	34·7	3	18 8	—1·5	16·0	15	0	0	—6·1	0	..	0	0	15·6	14·5	+0·5	0	0	0	0	0	0	0	0	0	0	0
Rajkot	31·3	—0·2	35·6	3	13·5	+0.7	11·2	16,21	0	0	0	0	..	0	—0·2	18·5	14·0	+0·4	0	0	0	0	0	5	0	0	0	0	0
Bhavnagar Aerodrome	31.0	+1·5	35·2	3	15·2	+0·5	12·2	22	0	0	—1·5	0	..	0	—0·1	18·7	16·4	+3·6	0	0	0	0	0	0	0	0	0	0	0
Porbander Aerodrome	30·7	+0·6	36·2	2	16·1	—0·7	12.2	21	0	0	—0·8	0	..	0	..	18·0	13·5	..	0	0	0	0	0	0	0	0	0	0	0
Keshod	32·2	..	36·2	3	14·0	..	10·8	21	0	0	..	0	..	0	..	18·1	14·4	..	0	0	0	0	0	2	0	0	0	0	0
Mahuva	32·1	..	35·7	26,27	16·1	..	12·0	5	0	0	..	0	..	0	..	9·1	8·6	..	0	0	0	0	0	0	0	0	0	0	0
Veraval	30·6	..	35·4	25	16·0	..	12·9	21	0	0	—1·8	0	..	0	—0·2	19·5	16·4	..	0	0	0	0	0	1	0	0	0	0	0
Konkan (Including Goa)																													
Dahanu	29·0	+0·9	34·0	17	18·5	+1·3	17·0	22,27	0	0	—0·3	0	..	0	—0·1	(i) 15·8	(f) 12·1	—0 2	0	0	0	0	0	0	0	0	0	0	0
Bombay (Santacruz).	31·7	+2·3	35·6	3	17·6	+1·9	14·7	22	0	0	—1·7	0	..	0	—0·1	12.0	7·6	..	0	0	0	0	0	0	0	0	0	0	0
Bombay	30 2	+1·8	34·6	17	21·0	+1.3	18·7	22	0	0	—2·0	0	..	0	—0·1	11·9	9·3	—2·0	0	0	0	0	0	0	0	0	0	0	0
Alibag	29·3	—1·2	33·6	15	19·0	+0·7	16·8	22	0	0	—0·8	0	..	0	—0·2	..	8·7	—0·0	0	0	0	0	0	0	0	0	0	0	0
Bhira	36·1	..	39 2	27	15·6	..	13·1	22	0	0	..	0	..	1	..	4·8	2·7	..	0	0	0	0	0	0	0	0	0	0	0
Harnai	28·7	+1·0	33·2	16	22·8	+0·8	20·6	19	0	0	—0·1	0	..	0	0	17·6	15·0	+1·1	0	0	0	0	0	0	0	0	0	0	0
Ratnagiri	31·1	..	36·0	1516	18·9	..	16.0	6	0	0	—1·0	0	..	0	—0·1	12·3	7·7	..	0	0	0	0	0	0	0	0	0	0	0
Devgarh	30·0	+0 2	33·4	16	21·8	+0·2	20·0	6	0	0	—0·1	0	..	0	0	18·2	14.4	+0·2	0	0	0	0	0	0	0	0	0	0	0
Vengurla	31·6	+0·1	37·0	16	18·5	—0·5	15·1	6	0	0	—0·3	0	..	0	—0·1	(d) 12·0	6·5	..	0	0	0	0	0	0	0	0	0	0	0
Panjim	32·2	..	36·5	16	18·6	..	16·7	7	0	0	..	0	..	0	..	12·7	10·2	..	0	0	0	0	0	1	0	0	0	0	0
Mormugao	30·1	..	36·3	16	21·9	..	20·1	7	0	0	..	0	..	0	..	(n) 15·5	( ) 12·9	..	0	0	0	0	0	1	0	0	0	0	0
Dabolim (N.A.S.)	30·8	..	36·6	16	21·2	..	19·5	7,9	0	0	..	0	..		..	10 9	7·7	..	0	0	0	0	0	0	0	0	0	0	0
Madhya Maharashtra																													
Nandurbar	32·9	..	36 6	26	16·6	..	13·6	7,21	0	0	..	0	..	0	..	8·6	5·5	..	0	1	0	0	0	0	0	0	0	0	0
Jalgaon	33·2	—0·1	36·3	27	14·0	—0·3	8·7	9	0	0	—2·7	0	..	0	—0·4	14·5	11·4	+3·0	0	0	0	0	1	0	0	0	0	0	0
Malegaon	32·2	0	36·2	18	11·9	—0·7	8·7	22	(g) 0	(d) 0	—2·3	0	..	0	—0·2	8·9	6·6	—0·2	0	0	0	0	0	0	0	0	0	0	0
Ozar	31·2	..	..	..	12·1	..	8·6	21	0	0	..	0	..	0	..	(g) 13·8	(d) 10.9	..	0	0	0	0	0	0	0	0	0	0	0
Deolali(Aerodrome)	31·6	..	35·0	27	12·4	..	8·2	8	0	0	..	0	..	1	..	11·5	6·9	..	0	0	0	0	0	0	0	0	0	0	0
Ahmadnagar	32·4	+1·0	35·4	27	13·9	+0·6	8·3	7	0	1·2	—2·1	1·2	13	2	—0·3	10·9	7·6	—0·1	0	1	0	0	0	0	0	0	0	1	0
Khandala	..	..	..	..	..	..	..	..	0	0	—3·1	0	..	1	+0·3	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Poona (Aerodrome)	31·6	..	34·7	27	14·5	..	10·2	7	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Poona	31·9	—0·2	35·2	27	12·1	+0·5	8·8	7	0	0	—1·5	0	..	2	—0·2	8.2	4·6	..	0	0	0	0	0	0	0	0	0	0	0
Jeur	32·4	+1·2	36·2	27	14·1	—0·6	10·4	9	0	0	—2·1	0	..	3	—0·2	11·2	7·1	+0·8	0	0	0	0	0	0	0	0	0	0	0
Baramati	32·2	—1·1	36·4	27	14·6	+0·1	10·4	7	0	0	0	0	..	2	0·0	10·5	8·5	+0·9	0	0	0	0	0	0	0	0	0	0	0
Sholapur	32·6	—1·0	36·1	27	17·3	+0·2	13·9	7	0	0	—3·3	0	..	2	—0·3	10·9	7·9	—1·0	0	0	0	0	0	0	0	0	0	0	0
Miraj	36.4	—0·1	35·6	27	14·6	—0·4	9·9	7	0	0	0	0	..	1	0·0	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Kolhapur	32·7	..	35·8	27	15·4	—0 5	12·0	8	0	0	—0·5	0	..	0	—0·1	12·5	9·7	+0·7	0	0	0	0	0	0	0	0	0	0	0
Marathwada																													
Aurangabad	31·8	+0·4	35·4	27	15·8	+0·5	10·3	7	0	1·2	—3·1	1·2	13	0	—0·4	12·2	9·5	+0·8	0	1	0	0	0	0	0	0	0	0	0
Aurangabad (Chikalthan)	31·4	..	34·8	27	11·9	..	8·0	9	0·3	0·3	..	0·3	15	1	..	11·3	6·6	..	0	1	0	0	2	0	0	0	0	0	0
Parbhani	31·8	—1·3	36·0	27	15·8	+0·1	12·0	8	0	1·0	—5·2	1·0	14	0	—0·7	9·2	6·2	—0·2	0	1	0	0	0	0	0	0	0	0	0
Nander	33·3	..	37·0	27	14·8	..	11·0	8,9	0	1·3	..	1·3	13	0	..	7·1	4·4	..	0	1	0	0	0	0	0	0	0	0	0
Bir	32·3	..	35·8	25,26	13·4	..	10 0	6,9	1·1	1·1	..	1·1	13	0	..	6·8	3·8	..	0	1	0	0	0	0	0	0	0	0	0
Vidarbha																													
Gondia	30·6	—0·1	33·3	27	15·2	—0·1	11·7	16	0	0·8	—13·9	0·8	13	0	—1·1	5.5	3·4	—0·1	0	1	0	0	1	0	0	0	0	0	0
Nagpur (Sonegaon)	31·8	—0·8	34·2	27	14·6	—0·7	11·1	16	0	28·5	+12·0	28·5	13	1	—0·4	11·2	9·6	..	0	1	0	0	0	0	0	0	0	0	0
Amraoati	32·4	+0·6	35·4	27	17·3	+0·7	13·2	8	0	5·8	—5·4	·8	13	1	+0·2	12·5	10·6	+4·2	0	1	0	0	0	0	0	0	0	0	0
Akola (Aerodrome)	32·4	..	35·9	27	14·4	..	11·0	16	0	1·4	..	1·4	13	0	..	11·7	10·0	..	0	1	0	0	0	1	0	0	0	0	0
Akola	32·7	+0·1	36·2	26,27	15·4	+1·1	10·7	9	0	0·9	—6·7	0·9	13	0	—0·6	8·2	5·9	+0·9	0	1	0	0	1	0	0	0	0	0	0

(i) Mean of 22 days. (d) Mean total of 27 days. (g) Mean of total for 26 days. (o) Mean of 16 days.
(f) Mean of 25 days. (n) Mean of 17 days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Vidarbha—*Contd.*																													
Bramhapuri	31·6	..	34·2	27	15·9	..	11·8	16	0	2·2	..	2·2	13	0	..	6·9	4·0	..	0	1	0	0	0	0	0	0	0	0	0
Buldhana	29·5	−0·9	33·4	26	16·6	−1·1	14·0	7,10	0	2·4	+2·1	2·4	13	0	0	11·2	9·1	+0·5	0	1	0	0	0	0	0	0	0	0	0
Yeotmal	31·7	−0·6	35·8	27	16·8	−1·1	13·3	8	0	15·1	−11·0	15·1	13	1	+0·7	12·6	10·6	+1·1	0	1	0	0	0	0	0	0	0	0	0
Chanda	32·5	+0·1	35·4	27,28	16·0	+0·7	11·0	10	0	2·0	−18·6	1·2	13	0	−1·3	8·1	5·3	+1·9	0	2	0	0	0	0	0	0	0	0	0
Fusad	32·8	..	36·6	27	14·9	..	11·0	16	0	7·0	..	7·0	13	1	..	9·1	5·9	..	0	1	0	0	0	0	0	0	0	0	0
Sironcha	33·3	−0·6	36·0	27	17·6	−0·5	12·6	8	0	0	−4·7	0	..	0	−0·6	7·9	4·5	0	0	0	0	0	0	0	0	0	0	0	0
Coastal Andhra Pradesh																													
Kalingapatan	29·5	−0·7	31·4	4,6	20·2	+0·3	16·4	3	15·0	15·0	−0·5	15·0	8	1	−0·3	14·3	9·0	+1·0	0	1	0	0	1	0	0	0	0	0	0
Vishakhapatnam	31·3	−0·4	33·1	21·24	20·3	+0·5	15·7	3	0	1·8	−22·1	1·6	11	0	−1·1	19·4	10·3	+5·2	0	1	0	0	0	0	0	0	0	0	0
Kakinada	31·1	+1·3	33·0	13	19·1	−1·8	16·8	1,4,7	0	0	−8·1	0	..	0	−0·6	12·6	9·8	+2·2	0	0	0	0	0	0	0	0	0	0	0
Nidadavole	31·6	..	33·4	9	20·0	..	17·3	3	0	0	..	0	..	0	..	6·6	6·0	..	0	0	0	0	0	0	0	0	0	0	0
Rentachintala	34·5	+0·9	37·1	22	20·3	−0·3	16 6	3	0	0	−13·5	0	..	0	−1·3	6·6	5·9	−2·0	0	0	0	0	0	0	0	0	0	0	0
Gannavaram	32·3	−0·6	34·6	26	20·3	+0·3	18·0	13	0	0	−3·1	0	..	0	−0·5	15·4	9·6	+0·3	0	0	0	0	0	4	0	0	0	0	0
Nagarjunakonda (R)																													
Masulipatnam	29·7	−0·4	33·1	21	20·3	0	18·0	3	30·4	30·4	+16·9	30·4	9	1	+0·4	4·9	3·3	−2·8	0	1	0	0	0	0	0	0	0	0	0
Ongole	31·9	..	35·0	8	21·1	..	18·0	2	0	0	..	0	..	0	..	9·3	6·8	..	0	0	0	0	0	0	0	0	0	0	0
Nellore	32·2	+0·3	34·9	21	21·5	+0·5	18·9	2	0	0	−6·1	0	..	0	−0·5	11·0	7·8	+2·5	0	0	0	0	0	0	0	0	0	0	0
Telangana																													
Ramgundam	33·4	−0·5	35·8	26	16·9	−1·9	13·7	9	0	0	−2·2	0	..	0	−0·3	6·4	3·5	−2·2	0	0	0	0	0	0	0	0	0	0	0
Nizamabad	33·0	+0·3	36·4	28	17·1	+0·4	13·0	8	0	0	−17·0	0	..	0	−1·2	7·7	5·7	+1·7	0	0	0	0	0	0	0	0	0	0	0
Hanamkonda	32·8	+0·9	35·3	22	18·5	−0·3	14·3	9	0	0	−14·7	0	..	0	−1·1	4·7	7·4	−0·5	0	0	0	0	0	0	0	0	0	0	0
Hakimpett (Aerodrome)	30·5	..	34·2	28	17·7	..	14·3	7	0	0	..	0	..	0	−0·2	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Bhadrachalam	33·9	−0·1	36·2	21	19·6	+0·6	14·2	9	0	1·0	−0·3	1·0	15	0	−0·9	5·0	5·6	−0·9	0	1	0	0	0	0	0	0	0	0	0
Hyderabad (Begumpet)	31·6	+0·9	34·8	28	15·8	−1·0	11.6	8	0	0	−9·1	0	..	0	..	12·3	8 3	+0·1	0	0	0	0	0	0	0	0	0	0	0
Khammam	33·6	..	35·7	21	20·2	..	17·3	3	0	0	..	0	..	0	..	7·1	5·0	..	0	0	0	0	0	0	0	0	0	0	0
Mahbubnagar	31.8	..	35·4	21	17·8	..	14·9	8	0	0	..	1·6	15	0	−0·5	11·2	8·4	..	0	0	0	0	0	0	0	0	0	0	0
Rayalaseema																													
Kurnool	33.4	−0·8	36·0	28	19·0	+0·1	16·1	14	0	1·6	−5·5	0	..	0	−0·3	9·7	7·1	+1·5	0	1	0	0	0	0	0	0	0	0	0
Nandyal (R)																													
Anantapur	32·7	−0·7	35·5	22	18·8	+0·1	14·2	1	0	0	−5·2	0	..	0	−0·2	11·4	10·7	+1·6	0	0	0	0	0	0	0	0	0	0	0
Cuddapah	33·7	−0·9	37·4	22	20·6	−0·3	17·0	2	0	0	−3.1	0	..	0	−0·2	4·3	2·8	−10·1	0	0	0	0	0	0	0	0	0	0	0
Arogyavaram	29·6	..	32·9	22	15·3	..	11·0	2	0	0	..	0	..	0	..	9·8	7·7	..	0	0	0	0	0	0	0	0	0	0	0
Madras State (Including Pondicherry)																													
Madras	30.1	..	33·3	8	22·0	..	20·1	2	0	9·2	..	9·2	13	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0	0
Madras (Minambakkam)	30·6	−0·7	32·9	8	21·7	+1·5	19·8	2	0	11·0	+0·6	11·0	13	1	+0·3	12·4	8·3	−2·2	0	1	0	0	0	2	0	0	0	0	0
Vellore	31·5	−0·1	35·0	21	19·2	+0·2	16·6	1,24	0·3	0·3	−0·6	0·2	15	0	−0·6	10.3	7·9	+3·6	2	0	0	0	0	0	0	0	0	0	0
Tambaram (Aerodrome)	32·1	..	34·7	8	21.1	..	18·7	1	0	3·1	..	3·1	13	1	..	..	..	..	0	1	0	0	0	4	0	0	0	0	0
Tiruppattur	31·1	..	33·3	27·2	18·2	..	14·5	1	0	0	..	0	..	0	..	5·6	4·2	..	0	0	0	0	0	0	0	0	0	0	0
Mettur Dam R. S.	33·9	..	36·6	28	19·9	..	16·4	3	0	0	..	0	..	0	..	7·7	7·0	..	0	0	0	0	0	0	0	0	0	0	0
Cuddalore	29·0	−0·5	31·2	8	21·4	+0·3	19·1	1	1·0	31·6	+8·7	29·8	13	1	−0·2	11·7	9·6	+3·6	0	2	0	0	0	0	0	0	0	0	0
Kallakkurichchi	32·2	..	35.1	21	20·6	..	18·0	24	1·0	1·0	−13·2	1·0	14	0	−0·6	9·2	6·7	..	0	1	0	0	0	0	0	0	0	0	0
Salem	32·6	−1·3	34·9	27	20·7	+1·3	17·8	24	0	0	−8·4	0	..	0	−0·6	11·4	12·0	+4·8	0	0	0	0	0	0	0	0	0	0	0
Coimbatore (Pilamedu)	31·4	..	34·1	21	17·8	..	12·8	8	0	0	..	0	..	0	..	16·3	12·5	..	0	0	0	0	0	0	0	0	0	0	0
Coimbatore.	31·5	−1·2	34·9	27	18·6	−0·6	14·3	8	0	0	−9·1	0	..	0	−0·5	..	7·0	+2·8	0	0	0	0	0	0	0	0	0	0	0
Nagapattinam	28·8	−0·5	30·4	28	23·9	+1·0	21·5	1,2	4·0	30·8	+9·7	17·0	13	3	+2·0	16·7	17·5	+6·7	0	6	0	0	0	0	0	0	0	0	0
Tiruchirappali	32·3	−0·8	34·3	8	21·3	+0·6	19·3	2	0·5	3·7	−8·8	2·0	14	0	−0·6	14·0	10·8	+4·7	0	2	0	0	0	0	0	0	0	0	0
Vedaranniyam	31·0	..	32·4	8	23·0	..	20·2	2	0	56·8	..	37·5	15	2	..	11·2	8·0	..	0	4	0	0	0	0	0	0	0	0	0
Atirampattinam	30·9	..	33·0	26	22·0	..	19·8	...	10·6	19·0	..	15·4	15	1	..	13·4	9·0	..	0	4	0	0	0	1	0	0	0	0	0
Madurai	32·1	−0·3	33·2	9	21·4	+0·6	20·1	28	..	1·4	−12·1	1·4	14	0	−0·7	..	6·1	0	0	1	0	0	0	0	0	0	0	0	0
Madurai (Aerodrome).	31·9	..	34·3	8	21·2	..	19·3	2	0·4	1·2	..	1·2	14	0	..	13·6	10·1	..	0	1	0	0	0	0	0	0	0	0	0
Tondi	29·3	..	30·3	12	23·2	..	21·1	15	12·2	55·2	..	35·0	15	4	..	18·4	16·7	..	0	4	0	0	0	0	0	0	0	0	0
Pamban	29·4	+0·1	31·9	9	23·9	−0·1	22·0	14,20	13·2	70.1	+48·3	28·3	13	3	+1·6	19·0	14·8	+4·0	0	3	0	0	0	0	0	0	0	0	0
Tuticorin	28·7	+0·5	35·8	9	22·3	−0 7	20·4	8	5·8	19·6	−0·8	10·6	13	3	+2·3	22·0	21·0	+1·6	0	3	0	0	0	0	0	0	0	0	0
Palayankottai	32·9	+0·2	35·5	9	22·1	−0·6	20·0	28	8.4	12·6	−15·1	7·4	16	2	+0·3	12·3	8·7	+0·4	0	4	0	0	0	0	0	0	0	0	0
Kanniyakumari	31·7	..	33·5	13	23·5	..	21·5	28	0	0	..	0	..	0	..	25·4	21·6	..	0	0	0	0	0	0	0	0	0	0	0
Coastal Mysore																													
Karwar	31·5	+0·7	37·3	16	19·0	−0·7	16·9	25	0	0	−0·7	0	..	0	−0·1	13·0	8·6	..	0	0	0	0	0	0	0	0	0	0	0
Honavar	31·7	+0·3	36·8	16	20·5	+0·1	18·0	7	0	0	−0·3	0	..	0	0	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Mangalore (Bajpe)	32·8	..	37·6	26	21·4	..	17·8	8	0	0	..	0	..	0	..	11·8	7·2	..	0	0	0	0	0	0	0	0	0	0	0
Mangalore	32·3	+1·1	36·8	26	22·4	0·1	19·8	7	0	0	−1·3	0	..	0	−0·1	14·3	10·1	+1·9	0	0	0	0	0	0	0	0	0	0	0

(R) Register not received.

Sub-Division and station	Air temperature in °C.								Rain fall millimeters					No. of rainy days (205 mm. or more)		Wind speed, kms. per hour.			Weather phenomena—No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830.1730 hour	Mean 24 hours	Departure from norm al	Precipitation 0·1 or 0.2mm)	Precipitation (0·3mm or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust storm	Ground frost	Gale	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	2
Interior Mysore(North)																												
Bidar	31·1	−0·1	35·0	27	18·1	−0·5	16·0	7,10,11	0	0	−9·4	0	..	0	−0·8	..	..	..	0	0	0	0	0	0	0	0	0	
Gulbarga	32·9	−0.6	36·2	27	17·7	−0·2	13·4	8	0	0	−6·9	0	..	0	−0·5	12·1	9·1	+0·4	0	0	0	0	0	0	0	0	0	
Bijapur	31·8	−1·0	34·9	28	18.1	+0·4	15.0	7	0	0	−2·3	0	..	0	−0·2	7·9	6·2	+0·7	0	0	0	0	0	0	0	0	0	
Raichur	33·0	−0.4	36·6	28	20·3	+0·1	17.8	7	0	0	−7·1	0	..	0	−0.6	11·3	11·4	+2·9	0	0	0	0	0	0	0	0	0	
Belgaum	31·1	−1·3	33·9	27	15·2	0	12·7	8	0	0	−1·3	0	..	0	−0·1	5·6	3·8	−2·2	0	0	0	0	0	0	0	0	0	
Belgaum (Sambra)	30·9	..	33·2	23,27, 26	16·0	..	11·0	7	0	0	..	0	..	0	..	11·0	7·3	..	0	0	0	0	0	0	0	0	0	
Gadag	32·0	−0·4	34·7	27,28	18·0	−0·3	13·5	7	0	0	−4·1	0	..	0	−0·4	10·4	8·1	+1·2	0	0	0	0	0	0	0	0	0	
Interior Mysore (South)																												
Bellary	33·7	−0.6	37·0	27	19·5	+0·6	14·0	3	0	0	−4·6	0	..	0	−0·3	9·4	6·5	+1·8	0	0	0	0	0	0	0	0	0	
Chitradurga	30·9	−1·1	33·9	28	19·1	+0·1	16·3	9	0	0·6	−2·2	0.6	10	0	−0·2	10·3	8·4	+2·3	0	1	0	0	0	0	0	0	0	
Shimoga	31·0	−1·9	34·9	27	15·5	−0·6	12·4	7	0		−0·2	0	..	0	0	3·1	3·6	−0·7	0	0	0	0	0	24	0	0	0	
Agumbe	29·0	..	32·2	26	13·7	..	9·4	7,8	0	0	..	0	..	0	..	..	4·2	..	0	0	0	0	0	0	0	0	0	
Balchonnur	29·9	+0·8	32·3	26	15·5	−0·1	12·6	8	0	0	−1·5	0	..	0	−0·2	..	..	..	0	0	0	0	0	0	0	0	0	
Hassan	29·5	−1·1	31·5	28	15·4	+0·1	12·7	8	0	0	−6·1	0	..	0	−0·4	7·9	5·6	+0·9	0	0	0	0	0	0	0	0	0	
Bangalore	28·7	−1·1	31·3	21,22	16·3	+0·7	13·0	2	0	0	−6·6	0	..	0	−0·4	12·5	10·5	+2·9	0	0	0	0	0	1	0	0	0	
Bangalore (Aerodrome)	28·5	..	30·8	27	15·1	..	11·0	2	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	2	0	0	0	
Mysore	30·0	+1·6	32·0	28	17·6	−0·3	14·1	4days	0	0	−6·1	0	..	0	−0·5	15·8	11·1	+3·5	0	0	0	0	0	0	0	0	0	
Kerala																												
Calicut	31·7	+0·3	32·9	26	22·5	−0·3	19·5	8	0	0	−4·8	0	..	0	−0·3	15·3	11·6	+1·8	0	0	0	0	0	0	0	0	0	
Palghat	34·8	..	37·0	22	21·8	..	18·4	8	0	0	..	0	..	0	..	13·0	10·0	..	0	0	0	0	0	0	0	0	0	
Fort Cochin	31·0	+0·4	33·2	16	22·7	−1·5	20·7	3	0	11·2	−9·1	9·4	17	1	−0·2	15·1	10·4	+2·7	0	2	0	0	0	0	0	0	0	
Cochin (Naval Air Station)	31·7	..	33·9	25	22·8	..	19·9	9	0	14·1	..	13·6	17	1	..	12·4	8·2	..	0	2	0	0	0	0	0	0	0	
Alleppey	32·1	+0·2	36·3	25	23·8	+0·1	20·3	25	0	8·6	−35·2	8·6	25	1	−1·5	16·5	9·8	−0·5	0	1	0	0	0	0	0	0	0	
Punalur	34·3	..	36·3	20	20.5	..	17·8	9	8·0	8·0	..	8·0	21	1	..	3·2	4·3	..	0	1	0	0	0	0	0	0	0	
Trivandrum	32·1	+0·4	34·0	1	23·2	+0·3	21·3	28	0	0	−19·3	0	..	0	−1·3	9·2	6·7	+1·2	0	0	0	0	0	0	0	0	0	
Trivandrum (Aerodrome)	31·0	..	31·9	18	22·1	..	19·5	28	..	2·3	..	2·3	5	0	..	..	6·0	..	0	1	0	0	0	0	0	0	0	
Arabian Sea Islands																												
Amini	32·2	+1·1	33·7	5	23·4	−1·1	20·5	1	21·1	21·3	+19·5	18·7	13	2	+1·7	7·3	6·3	−1·6	0	2	0	0	0	0	0	0	0	
Minicoy	30·1	+0·4	30·7	25	23·3	−0·4	21·1	25	0·7	0·7	−17·3	0·7	13	0	−1·2	8·6	5·5	−1·9	0	1	0	0	0	0	0	0	0	
Hill Stations excluding Kashmir																												
Dalhousie	11·1	−2·4	18·5	27	1·5	−2·6	−3·0	20	61·0	206·0	+49·4	63·0	13	8	+0·7	4·2	5·1	+1·2	0	11	6	0	3	4	0	0	0	0
Dharmsala	15·5	−1·6	20·4	27	6·8	−2·0	2·3	20,21	28·8	119·4	+27·1	39·8	13	7	+2·3	7·1	6·8	+2·2	1	8	0	0	4	0	0	0	0	0
Simla	9·4	+0·1	13·9	1	..	..	..	..	45·6	92·2	+18·0	21·0	19	8	+2·3	3·4	3·1	+0·4	1	9	8	0	3	0	0	0	0	0
Dharmpur	..	..	..	..	..	..	..	..	..	122·8	+39·2	41·6	19	6	+0·5	..	..	..	0	8	..	..	..	..	..	.	..	..
Lokpal	−5·5	..	−2·1	2	−11·2	..	−12·0	6	..	451·6	..	69·2	5	11	..	..	..	..	0	11	10	0	0	0	0	0	0	0
Badrinath	Closed duving winter Months																											
Joshimath	11·1	..	18.2	27	2·1	..	−1·7	21	62·6	232·4	..	47·0	18	10	..	6.8	7·1	..	0	12	8	2	0	0	0	0	0	0
Mussooric	10·6	+0·3	19·3	3	1·8	−1·4	−2·6	14	33·4	94·4	+7·8	21·0	18	8	+2·8	11·3	10·3	+3·1	0	8	4	1	7	0	0	0	0	0
Mukteswar (Kumaun)	10·3	0	16·7	27	1·2	−0·9	−2·8	21	36.6	90·6	+26·3	21·0	19	8	+3·3	13·0	12·4	+3·1	0	11	7	0	8	5	0	0	0	0
Nainital	10.8	−2·3	16·0	26	2·5	−1·6	−1.1	21	12·0	92·0	+48·0	32·0	13	7	+4·6	7·6	8·4	+0·5	0	8	5	0	0	0	0	0	0	0
Kalimpong	20·3	+4·0	24·0	3	13·6	+4·5	3·8	26,28	10·0	10·0	−18·7	10·0	20	1	−2·0	6·0	5·7	−5·4	0	1	0	0	0	0	0	0	0	0
Darjeeling	12·2	+2·1	15·3	26,27	4·5	+0·7	0	9	4·6	8·0	−22·2	4·8	20	1	−1·6	4·1	3·6	+0·2	0	4	0	0	2	2	0	0	0	0
Kohima	17·6	..	20·8	11	9·5	..	6·1	9,10	38·6	76·8	..	29·4	4	5	..	4·2	4·5	..	0	6	0	0	0	0	0	0	0	0
Shillong	18·7	+1·8	21·5	1	5·9	+0.1	2·0	16	8·2	13·7	−13·2	5·8	8	3	+0·2	2·6	2·8	−0·9	0	4	0	0	0	0	0	0	0	0
Cherrapunji (R)																												
Abu	22·8	+2·5	26·3	2	8·9	−2·8	7·2	14,23	0	0	−5 8	0	..	0	−0·6	9·5	5·9	−1·2	0	0	0	0	0	1	0	0	0	0
Aijal†																												
Pachmarhi	23·8	−0·3	26·6	4	9·0	−1·4	4·4	9,16	0	0·6	−16·4	0·6	20	0	−1·5	5·7	3·2	−1.8	0	1	0	0	1	0	0	0	0	0
Mahabaleshwar	36·3	+1·1	39·6	26,27	14·2	−0.4	9·5	7	0	0	−2·5	0	..	0	−0·1	11·2	11·2	+1·9	0	0	0	0	0	0	0	0	0	0
Mercara	26·4	−0·6	28·7	28	13·9	−1·1	10·0	9	0	0	−6·1	0	..	0	−0·5	11·8	9·8	+4·5	0	0	0	0	0	0	0	0	0	0
Ootacamund	20·9	+1·2	23·6	2	7·3	+0·7	4·8	1	0	0	−12·9	0	..	0	−1·1	4·4	2·4	−2·1	0	0	0	0	0	0	0	0	0	0
Coonoor (R)																												
Kodaikanal	16·8	−1·0	20·1	9	7·8	−0·8	5.3	11	3·9	23·4	−15·5	9·0	14	4	+1·6	12·2	11·5	−1·1	1	4	0	0	0	5	0	0	0	0
Nepal																												
Katmandu	25·2	..	22·7	27	2·6	..	−1·2	10	2·2	4·8	..	2·2	20	0	..	2·2	1·3	..	0	3	0	0	0	4	0	7	0	0
Sikkim																												
Lachen (R)																												
Hydrometeorological Observatories																												
Damodar Catchment																												
Tilaiya	26·7	..	30.6	5	12·0	..	7·3	10,11	0·4	11·6	..	6·2	19	2	..	10·5	6·3	..	1	3	0	0	0	0	0	0	0	0
Hazaribagh	25·7	..	29·7	5	10·5	..	6·6	16	1·3	6·6	..	3·0	21	2	..	10·1	5·4	..	0	3	0	0	2	0	0	0	0	0
Konar (R)																												

(R) Register not received

†Less than 1 5 days.

Sub-Division and station	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2·5 mm. or more): Total in the month	Departure from normal	Wind speed, km. per hour: Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Weather phenomena—No. of days with: Precipitation (0.1 and 0·2mm)	Precipitation (0.3mm or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground rost	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Hydrometeorological Observatories.—(Contd.)																													
Damodar Catchment.—(Contd.)																													
Bokaro	29·3	..	33·1	5	8·3	..	4·4	11	12·2	13·2	..	10·2	20	1	..	6·3	3·7	..	1	5	0	0	0	0	0	0	0	0	0
Maithon	29·3	..	34·0	6	10·4	..	7·2	11	7·0	15·9	..	9·3	20	2	..	..	..	..	0	3	0	0	1	3	0	0	0	0	0
Ramgarh	28·7	..	33·2	5	11·7	..	7·0	12,17	26·6	28·5	..	13·5	20	2	..	4·1	1.9	..	0	4	0	1	4	0	0	0	0	0	0
Panchet Hills	28·9	..	32·8	6	14·4	..	10·5	9	12·1	23·9	..	14·6	20	3	..	3·9	2·9	..	0	5	0	0	0	0	0	0	0	0	0
Durgapur	29·4	..	34·0	6	15·2	..	12·3	9,11, 17	0	24·4	..	16·8	20	3	..	8.7	6.3	..	0	3	0	0	0	4	0	0	0	0	0
Mahanadi Catchment.																													
Ginabahar	28·5	..	30·9	5	10·4	..	6·7	16	..	24·8	..	16·7	23	2	..	..	..	..	0	3	0	1	1	1	0	0	0	0	0
Hirakud	30·6	..	32·8	20	16·6	..	13·5	17	2·7	3·1	..	3·1	7	1	..	5·2	3·0	..	0	1	0	0	2	0	0	0	0	0	0
Bhimkund	29·6	..	32·6	5	13·6	..	10 3	17	2·7	3·9	..	8·7	22	3	..	5·3	2·6	..	0	6	0	0	6	1	0	0	0	0	0
Sonepur	31·1	..	34·0	20,21	18·1	..	13·1	16	..	4·3	..	2·5	1	..	..	4·3	..	0	2	..	..	..	..	..	..	..	..	..	..
Khijrawan	30·1	..	32·1	6	14·5	..	10·6	10	0	0	..	0	..	0	..	7·5	5·5	..	0	0	0	0	0	0	0	0	0	0	0
Narmada Catchment.																													
Bagra Tawa	30·2	..	33·4	4	11·8	..	7·4	9	0·6	8·5	..	8·0	13	1	..	7·9	4·6	..	0	2	0	0	2	0	0	0	0	0	0
Punasa (R)																													
Thikri	32·3	..	35·9	4	12·7	..	5·6	16	..	0	..	0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..	..
Sabarmati Catchment.																													
Daroi	31·2	.	35·4	3	13·7	..	9·6	8	..	0	..	0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..	..
Gandak Catchment																													
Jomosom	(d) 11	..	15·4	27	(c) −1·9	..	−5·5	8	15·3	35·6	..	20·3	19	3	..	..	..	..	0	3	..	..	..	..	..	..	..	..	..
Khudi Bazar	..	..	..	..	..	..	..	..	..	26·4	..	8·4	20	4	..	..	..	..	0	7	..	..	..	..	..	..	..	..	..
Timure	16·7	..	19·6	27	..	..	..	..	18·3	48·2	..	18 9	20	5	..	..	..	..	0	7	..	..	..	..	.	..	..	..	..
Pokhara	21·6	.	23·9	28	9·0	..	4·3	9	25·6	56·2	..	24·0	7	5	..	3 2	3·1	..	2	6	0	2	9	0	0	0	0	0	0
Gorkha	20·8	..	23·1	27,28	9·2	..	6·4	9	0·7	6·3	..	3·7	20	1	..	..	..	..	0	3	0	0	1	1	0	0	0	0	0
Nuwakot	22·1	..	24·8	27	10·2	..	7·6	8	3·1	9·2	..	5·3	20	1	..	..	..	..	1	3	..	..	..	..	..	..	..	..	..
Ghaghara Catchment (Trans Himalayan Region)																													
Dailekh	17·8	..	19·8	28	8·6	..	7·1	5	0	25·2	..	18·0	20	3	..	..	..	..	0	3	..	..	..	..	..	..	..	..	..
Ghaghara Catchment.																													
Dadeldhura	11·6	..	16·7	27	3·7	..	−1·0	19	43·5	141·5	..	45·0	13	7	..	7·3	6·7	..	1	8	1	6	8	4	0	9	0	0	0
Sallayana	18·4	..	21·2	26	(e) 7·4	..	4·4	22	8·0	8·7	..	6·7	20	1	..	..	..	..	0	2	..	..	..	..	..	..	..	..	..
Butwal	26·1	..	28·9	19	14·1	..	8·7	24	2.0	13·2	..	13·0	20	1	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..
Bagmati Catchment.																													
Katmandu*																													
Kosi Catchment.																													
Chautara	19.8	..	22·3	25	7·0	.	3·3	9	9·8	36·2	..	25·6	4	3	..	..	..	..	0	3	..	..	..	.	..	..	..	..	..
Chepua (R)																													
Walungchung Gola	4·1	..	7·7	27	−4·2	.	−9·5	8	0	81·3	..	25·4	8	8	..	..	..	..	0	8	.	..	..	..	..	..	..	..	..
Taplethok	20·2	..	23·1	27	7·5	..	3·8	9	0	10·4	..	5·4	8	1	..	..	..	..	0	5	..	..	..	..	..	..	..	..	..
Bhojpur	16·1	..	19·0	15	7·9	..	4·4	9	7·6	15·6	..	8·0	4	3	..	..	..	.	0	3	..	..	..	..	..	..	..	..	..
Taplejung	15·0	..	17·5	27	5·3	.	1·4	9	1·8	10·6	..	8·4	4	1	..	7 6	5·2	..	1	3	0	1	3	0	0	0	0	0	0
Okhaldunga	15·6	..	19·3	27	5·7	..	3·0	9	4·8	20·4	..	11·9	4	3	..	6·6	4·9	..	1	5	0	0	3	1	0	3	0	0	0
Chainpur	..	..	..	..	..	..	..	..	0	11·8	..	7·2	4	2	..	..	..	..	0	2	..	..	..	..	..	..	..	..	..
Angbung	..		..	..	..	..	..	..	0	0	..	0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..	..
Barahakshetra	26·3	..	28·5	19	12·4	..	9·4	10	6.6	6·6	..	6·6	20	1	..	7·4	4·6	..	0	1	0	1	3	0	0	0	0	0	0
Tista Catchment.																													
Gangtok	16·3	..	19·2	27	5·3	..	1·6	9	16·9	34·0	..	8·7	7	5	..	3·1	3·8	..	0	9	0	2	4	1	0	0	0	0	0
Gezing	18·9	..	22·7	27	6·6	..	2·3	9	0·4	3·7	..	2·2	4	0	..	..	..	..	0	4	..	..	..	..	..	..	..	..	

(R) Register not received. *Data included under 'Nepal'. (d) Mean of 27 days. (e) Mean of 26 days.

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bay Islands																											
Maya Bandar	0830	28	1012·1	1009·0	..	25·7	23·5	22·4	27·1	82	..	2·6	..	3·4	0	0	18	1	14	0	0	0	1	1	1	10	0
	1730	,,	1009·1	1006·0	..	26·8	23·3	21·5	25·6	74	..	3·3	..	10·1	0	0	24	2	14	3	2	0	1	0	2	4	0
Long Island	0830	25	1012·1	1009·3	..	27·1	23·9	22·4	27·1	76	..	3·2	..	1·3	0	0	17	1	6	3	3	0	0	2	2	11	0
	1730	,,	1009·4	1006·6	..	26·5	23·4	21·9	26·3	76	..	3·3	..	0·5	0	0	8	0	3	4	1	0	0	0	0	20	0
Port Blair	530	79	1010·1	1001·1	..	23·0	22·0	21·5	25·6	92	..	3·7	..	3·9	0	0	17	2	6	4	0	0	1	1	3	11	0
	0830	,,	1012·1	1003·3	−1·2	28·4	24·1	22·1	26·6	68	−3	3·6	+0·7	10·4	0	1	25	4	17	3	1	0	0	1	0	2	0
	1130	,,	1010·7	1001·9	..	30·1	24·5	21·8	26·1	62	..	2·9	..	12·0	0	3	25	1	15	10	2	0	0	0	0	0	0
	1730	,,	1009·3	1000·4	..	26·5	23·3	21·7	25·9	75	..	3·3	..	8·1	0	1	25	1	13	4	1	0	1	0	1	2	0
	2330	,,	1010·8	1001·8	..	24·4	22·8	22·0	26·4	86	..	2·9	..	4·6	0	0	18	0	13	2	0	0	2	1	0	10	0
Car Nicobar	0830	10	1011·3	1010·2	..	28·4	24·7	22·9	27·9	73	..	3·5	..	3·3	0	0	25	0	24	1	0	0	0	0	0	3	0
	1730	,,	1008·5	1007·3	..	27·4	24·3	22·9	27·9	76	..	3·7	..	1·9	0	0	15	0	15	0	0	0	0	0	0	13	0
Nancowry	0830	26	1011·3	1008·4	..	29·0	25·5	23·9	29·7	74	..	3·8	..	0·6	0	0	2	0	0	1	0	0	1	0	0	26	0
	1730	,,	1008·1	1005·2	..	28·4	25·1	23·7	29·3	75	..	3·8	..	0	0	0	0	0	0	0	0	0	0	0	0	28	0
Kondul	0830	8	..	..	..	27·6	25·2	24·1	30·0	81	..	4·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	27·3	25·0	23·9	29·7	82	..	3·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Assam (Including NEFA)																											
Pasighat	0830	157	1015·5	997·1	..	16·4	14·2	12·4	14·4	77	..	4·0	..	16·5	0	12	14	3	0	0	0	0	0	0	23	2	0
	1730	,,	1011·3	993·1	..	17·7	15·3	13·5	15·5	77	..	4·3	..	6·5	0	2	21	4	3	1	0	0	0	0	15	5	0
Dibrugarh (Mohanbari)	0230	111	1012·4	999·2	..	12·7	12·1	11·6	13·7	92	..	3·5	..	2·7	0	1	7	0	3	3	1	0	0	1	0	20	0
	0530	,,	1013·0	999·8	..	11·9	11·4	10·9	13·0	93	..	3·9	..	2·2	0	0	10	1	3	4	0	0	0	2	0	18	0
	0830	,,	1015·2	1002·1	−1·3	16·9	14·4	12·4	14·4	75	−10	3·5	−0·9	5·9	0	0	27	0	14	13	0	0	0	0	0	1	0
	1130	,,	1013·6	1000·7	..	21·2	15·7	11·3	13·4	55	..	3·5	..	6·6	0	0	28	4	15	8	0	0	0	0	0	0	1
	1430	,,	1010·4	997·7	..	23·3	16·2	10·5	12.7	49	..	3·6	..	5·3	0	0	25	1	13	6	2	0	0	0	3	3	0
	1730	,,	1010·6	997·7	..	19·2	15·5	12·6	14·6	67	..	3·5	..	2·9	0	0	13	1	9	3	0	0	0	0	0	15	0
	2030	,,	1012.4	999.4	..	15.2	13.7	12.5	14·5	84	..	3.1	..	2.7	0	0	9	0	6	2	0	0	0	1	0	19	0
	2330	,,	1012.9	999.7	..	13.8	13.0	12.3	14.3	90	..	3.3	..	3.7	0	1	8	0	4	3	1	0	0	1	0	19	0
Digboi	0830	152	1017·4	999·4	..	16·6	14·8	13·4	15·4	82	..	2·4	..	4·1	0	0	26	0	3	4	2	6	2	3	6	2	0
	1730	,,	1013·3	995·6	..	20·3	17·6	15·8	17·9	76	..	1·0	..	3·4	0	0	23	5	3	5	1	0	1	5	3	5	0
North Lakhimpur	0830	102	1015·6	1003·6	+0·4	17·8	15·0	12·8	14·8	73	−6	3·4	−0.8	4·1	0	0	21	2	8	7	2	2	0	0	0	7	0
	1130	,,	1014·0	1002·2	..	21·7	16·3	12·2	14·2	57	..	3·0	..	6·7	0	0	27	1	10	11	2	3	0	0	0	1	0
	1430	,,	1011·0	999·3	..	22·7	16·6	11·9	13·9	53	..	3·8	..	6·8	0	0	25	5	5	7	3	3	1	0	1	3	0
	1730	,,	1011.2	999.4	..	18·8	16·0	13·9	15·9	75	..	3·7	..	2·5	0	0	12	6	3	1	0	0	0	1	1	16	0
Sibsagar	0830	97	1015.6	1004.2	−0.6	17·6	15·4	13·7	15·7	79	−9	3·2	−2.6	2·6	0	0	14	1	9	1	0	1	2	0	0	14	0
	1730	,,	1010.4	999.4	..	22·2	17.2	13·6	15.6	59	..	3·4	..	2·5	0	0	14	7	7	0	0	0	0	0	0	14	0
Gohpur	0830	83	..	..	..	16·5	14.8	13·5	15·5	82	..	3·0	..	4·4	0	0	25	0	13	3	6	1	0	0	2	3	0
	1730	7	..	..	..	20·2	16·5	13·8	15·8	67	..	3·6	..	3 2	0	0	22	0	13	3	5	0	0	2	1	6	0
Majbat	0830	..	..	..	..	17·6	15·5	13·9	15·9	79	..	(o) 3·3	..	(o) 3·6	0	0	14	0	8	1	5	0	0	0	0	2	0
	1730	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Jorhat (Aerodrome)	0530	90	1012·8	1002·2	..	12·3	12·1	11·9	13·9	97	..	3·4	..	2·0	0	0	6	0	1	3	1	0	0	0	1	22	0
	0830	,,	1014·9	1004.5	..	17·3	15·5	14·1	16·1	83	..	3·2	..	4·2	0	0	15	0	11	1	0	1	0	1	1	13	0
	1130	,,	1013·3	1003.0	..	22·0	17·2	13·8	15·8	61	..	2·8	..	8.9	0	2	22	3	17	1	0	1	0	0	2	4	0
	1730	,,	1010·1	999·9	..	19·5	16·1	13·5	15·5	69	..	3·1	..	3.1	0	0	11	1	9	0	0	0	0	0	1	17	0
	2330	,,	1012·7	1002·1	..	14·2	13·6	13·1	15·1	93	..	2·3	..	1·3	0	0	5	2	3	0	0	0	0	0	0	23	0
Tangla	0830	78	1014·9	1005·7	..	17·6	15·1	13·2	15·2	77	..	0·5	..	0·9	0	0	9	0	1	0	7	0	1	0	0	19	0
	1730	,,	1009.5	1000.7	..	22·0	18·6	16·4	18·6	73	..	0·1	..	0	0	0	0	0	0	0	0	0	0	0	0	28	0
Tezpur	0830	79	1015.7	1006.3	−1·1	16·4	14·5	13·0	15·0	81	0	1·9	−1·1	4.4	0	0	27	0	21	4	1	0	1	0	0	1	0
	1730	,,	1010·9	1001·7	..	23·0	16·7	11·9	13·9	52	..	2·4	..	1·9	0	0	15	1	10	1	0	0	1	1	1	13	0
Golaghat	0830	95	1014·2	1003·1	..	16·1	14·4	13·1	15·1	83	..	3·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1010.3	999.4	..	23.1	17.0	12.5	14.5	54	..	(d) 3.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rangia	0830	60	1015.9	1008·8	..	19.0	16.2	14.2	16.2	74	..	2.1	..	6.2	0	0	28	0	7	18	2	0	0	0	1	0	0
	1730	,,	1011·8	1004·7	..	22·0	17·8	14·9	16·9	66	..	(e) 1·8	..	(e) 1·5	0	0	12	2	3	4	1	0	0	0	2	14	0
Chaparmukh	0830	66	1016·2	1008·5	..	17·4	14·9	12·9	14·9	76	..	1·4	..	6·5	1	0	27	0	1	9	13	4	1	0	0	0	0
	1730	,,	1012.3	1004.6	..	21·8	17·4	14·3	16·3	63	..	(d) 1.8	..	(d) 4.2	0	0	26	6	5	4	3	3	2	1	2	1	0

(e) Mean of 26 days. (d) Mean of 27 days. (o) Mean of 16 days.

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
North Assam (Including NEFA)—(*Contd.*)																											
Goalpara	0830	38	1011·1	1008·2	..	15·1	13·5	12·2	14·2	84	..	1·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1010.6	1007·0	..	20·7	17·0	14·4	16·4	68	..	2·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gauhati	0830	..	..	..	..	15·5	15·1	14·8	16·8	96	+17	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gauhati (Bhorjhor)	0230	54	1011·8	1005·4	..	13·3	12·8	12·4	14·4	94	..	1·4	..	2·1	0	0	11	0	3	2	1	3	2	0	0	17	0
	0530	,,	1012·4	1006·0	..	12·3	12.1	11·9	13·9	97	..	1·6	..	1·8	0	0	11	0	5	0	2	3	1	0	0	17	0
	0830	,,	1014·6	1008·3	−0·9	17·3	15·1	13·4	15·4	78	+10	1·6	−1·1	3·7	0	0	19	4	11	1	1	0	0	1	1	9	0
	1130	,,	1013·1	1006·9	..	22·7	17·2	13·2	15·2	56	..	1·9	..	7·2	0	0	28	8	12	1	0	1	0	0	6	0	0
	1430	,,	1009·9	1003·7	..	24·9	17·3	11·5	13·6	45	..	2·5	..	6·7	0	0	27	3	11	2	0	0	1	3	7	1	0
	1730	,,	1010·0	1003·8	..	21·9	16·9	13·2	15·2	60	..	2·6	..	3·2	0	0	21	2	7	2	1	1	0	5	3	7	0
	2030	,,	1012·2	1005·9	..	16·1	15·0	14·2	16·2	88	..	1·9	..	3·3	0	0	15	0	3	1	1	5	4	1	0	13	0
	2330	,,	1012·5	1006·1	..	14·5	13·7	13·1	15·1	92	..	1·6	..	2·2	0	0	10	0	2	0	1	3	4	0	0	18	0
Dhubri (Rupsi)	0530	45	1012·0	1006·6	..	11·8	11·3	10·8	12·9	94	..	1·6	..	4·4	0	0	19	0	12	5	0	0	0	2	0	9	0
	0830	,,	1014·3	1008·9	..	17·8	15·2	12·8	14·8	74	..	1·8	..	7·3	0	0	25	1	9	10	2	2	0	1	0	3	0
	1130	,,	1013·1	1007·9	..	23·9	16·9	11·5	13·6	48	..	1·7	..	9·0	0	0	28	0	12	8	3	2	2	1	0	0	0
	1730	,,	1009·7	1004·5	..	21·1	17·8	15.6	17·7	72	..	1·8	..	5·8	0	1	18	2	4	1	1	2	4	4	1	9	0
Dhubri	0830	35	1015·2	1010·9	−0·6	18·2	15·8	14·0	16·0	77	+1	1·2	−0·8	7·2	0	1	24	1	16	4	1	0	2	1	0	3	0
	1730	,,	1010·9	1006·9	..	22·8	17·0	12·7	14·7	54	..	0·7	..	1·1	0	0	6	0	4	0	0	0	2	0	0	22	0
Lumding	0830	149	1015·0	997·3	..	13·5	12·4	11·5	13·6	89	+2	1·9	..	1·4	0	0	12	0	1	8	2	1	0	0	0	16	0
	1730	,,	1010·2	993·1	..	22·4	17·7	14·4	16·4	62	..	3·7	..	1·7	0	0	16	0	1	5	3	3	1	1	2	12	0
South Assam (Including Nagaland, Manipur and Tripura)																											
Tura	0830	370	1014·9	972·2	..	17·3	13·3	9·7	12·0	61	..	7·6	..	3·9	0	0	26	0	3	11	9	3	0	0	0	2	0
	1730	,,	1010·2	968·5	..	23·8	15·6	8·5	11·1	38	..	7·1	..	5·0	0	0	27	1	0	0	2	9	9	6	0	1	0
Haflong	0830	682	1014·5	937·3	..	17·0	13·0	9·8	12·1	63	..	1·8	..	4·9	0	0	28	4	0	0	0	1	6	0	17	0	0
	1730	,,	1009·8	933·5	..	19·0	13·8	9·7	12·0	56	..	1·6	..	4·7	0	0	28	3	0	0	0	0	7	0	18	0	0
Silchar (Kumbhirgram)	0530	97	1011·6	1000·1	..	13·8	12·4	11·2	13·3	85	..	1·9	..	9·6	0	1	27	0	0	28	0	0	0	0	0	0	0
	0830	,,	1013.6	1002·3	..	17·6	14·6	12·2	14·2	71	..	2·1	..	10·1	0	0	28	0	0	27	1	0	0	0	0	0	0
	1130	,,	1011·6	1000·6	..	23·4	16·9	12·0	14·0	50	..	2·2	..	7·4	0	0	26	0	1	13	8	2	1	0	0	2	1
	1730	,,	1009.2	998·1	..	22·3	16·4	11·9	13·9	53	..	1·7	..	3·9	0	0	19	2	0	5	2	1	5	3	1	9	0
Silchar	0830	29	1014·8	1011·3	−1·3	18·0	15.5	13·6	15·6	77	0	2·0	−0·3	1·7	0	0	25	0	6	8	7	3	0	1	0	3	0
	1730	,,	1010·7	1007·4	..	23·0	18·1	14·8	16·8	61	..	1·1	..	0·6	0	0	8	1	1	0	2	2	0	1	1	20	0
Imphal (Tulihal)	0530	781	1016·7	926·1	..	7·8	7·3	6·8	9·9	94	..	3·3	..	1·1	0	1	2	0	3	0	0	0	0	0	0	25	0
	0830	,,	1017·0	927·9	−0·4	13·3	10·9	8·8	11·3	74	+4	3.4	+0·9	2·4	0	0	11	1	4	2	1	1	1	0	1	17	0
	1130	,,	1013·3	926·2	..	19·1	13·4	8·7	11·2	53	..	3·0	..	6·6	0	1	23	0	3	0	3	4	7	3	4	4	0
	1430		1009·4	923·4	..	21·6	13·5	6·3	9·5	39	..	2·9	..	11·2	0	2	24	0	1	1	2	7	5	8	2	2	0
	1730	,,	1010·7	923·5	..	17·7	12·7	8·5	11·1	56	..	2·8	..	7·2	0	0	22	2	0	0	1	0	3	9	7	6	0
	2030	,,	1014·0	925 4	..	14·0	11·4	9·2	11·6	73	..	2·9	..	5·2	0	0	16	1	1	1	0	2	8	3	0	12	0
	2330	,,	1015·4	925·9	..	11·4	9·9	8·6	11·2	84	..	3.0	..	2·8	0	0	12	2	3	0	0	1	0	4	2	16	0
Kailashahar	0530	30	1013·3	1009·8	..	13·0	12·5	12·0	14·0	94	..	1·9	..	1·7	0	0	13	1	0	2	2	6	2	0	0	15	0
	0830	,,	1015·0	1011·5	..	17·6	15·6	14·1	16·1	80	..	1·8	..	2·2	0	0	14	0	0	2	0	8	4	0	0	14	0
	1130	,	1013·7	1010·3	..	24·8	18·6	14·4	16·4	57	..	1·8	..	4·1	0	0	25	3	5	4	0	2	2	3	6	3	0
	1730	,,	1010·9	1007·6	..	24·1	18·7	15·1	17·1	60	..	1·5	..	0·7	0	0	7	1	0	1	0	1	1	2	1	21	0
Agartala	0230	16	1011·0	1009·1	..	14·4	13·6	12·9	14·9	91	..	1·6	..	2·8	0	1	8	0	1	3	2	3	0	0	0	19	0
	0530	,,	1011·5	1009·7	..	13·7	13·2	12·8	14·8	94	..	2·1	..	4·0	0	1	11	0	0	2	3	4	0	1	2	16	0
	0830	,,	1013·6	1011·7	−0·4	20·4	17·3	15·2	17·3	72	+1	2·0	−0·2	4·6	0	0	19	3	3	1	2	5	2	2	1	9	0
	1130	,,	1012·4	1010·6	..	26·2	18·8	13·7	15·7	47	..	1·9	..	9·1	0	0	26	7	0	0	0	4	3	5	7	2	0
	1430	,,	1009·8	1008·0	..	27·2	18·3	11·7	13.7	39	..	2·1	..	10·6	0	1	26	2	1	1	0	2	4	5	12	1	0
	1730	,,	1009·8	1008·0	..	23·9	17·8	13·5	15.5	53	..	1·7	..	3·6	0	0	17	4	2	0	0	3	1	2	5	11	0
	2030	,,	1011·5	1009·6	..	18·3	16·0	14·2	16.2	77	..	1·3	..	3·4	0	0	10	0	2	0	2	4	1	1	0	18	0
	2330	,,	1011·7	1009·8	..	16·5	15.1	14·0	16.0	86	..	1·6	..	4.3	0	0	14	1	3	1	3	5	0	0	1	14	0
Sub-Himalayan West Bengal																											
Baghdogra	0230	131	1012·1	996·5	..	12.0	11.0	10.1	12.3	87	..	1.0	..	1.8	0	0	9	8	0	1	0	0	0	0	0	19	0
	0530	,,	1012·2	996·5	..	11.3	10.5	9.7	12.0	90	..	1.5	..	3.9	0	0	18	11	1	3	2	0	0	0	1	10	0
	0830	,,	1014·3	998·9	0	17.8	14.4	11.6	13.7	67	—4	1.7	−0·1	3·5	0	0	16	4	7	3	2	0	0	0	0	12	0
	1130	,,	1013·3	998·3	..	23.7	16.2	10.1	12·3	43	..	2.3	..	8.3	0	1	27	0	4	7	15	1	0	1	0	0	0
	1730	,,	1009·8	994.8	..	22.4	16·1	11.1	13·2	49	..	1.9	..	4.7	0	0	18	1	2	3	2	1	4	5	0	10	0
	2330	,,	1012·5	996.9	..	13.9	12.5	11.3	13.4	84	..	1.2	..	4.8	0	0	20	11	5	2	0	0	1	1	0	8	0

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Sub-Himalayan West Bengal—(*Contd.*)																											
Jalpaiguri	0830	83	1014.3	1004.6	—0.9	14.9	13.6	12.5	14.5	85	+5	1.2	−0.5	3.3	0	0	24	11	5	3	0	0	0	1	4	4	0
	1730	,,	1009.7	1000·3	..	23.6	17.0	12.0	14.0	50	..	0.8	..	1.9	0	0	9	2	2	1	1	0	1	2	0	19	0
Coooh Behar	0830	43	1014.6	1009.6	..	17.5	14.9	12.9	14.9	74	..	1.8	..	6.7	0	0	23	0	9	12	1	0	0	0	0	5	1
	1130	,,	1013.5	1008·6	..	23.6	17.3	12.7	14.7	51	..	1.5	..	9.4	0	1	27	0	5	15	6	1	0	0	0	0	1
	1730	,,	1010.4	1005·5	..	21.8	17.1	13.7	15.7	61	..	1.5	..	1.5	0	0	6	0	2	1	0	0	0	2	0	22	1
Balurghat	0830	26	1013.2	1010.1	..	18.8	14.5	10.9	13.0	61	..	0.8	..	2.0	0	0	15	1	3	1	1	1	2	3	3	13	0
	1730	,,	1009.5	1006.6	..	23.4	17.2	12.6	14.6	51	..	0.6	..	1.4	0	0	11	0	0	0	0	0	8	3	0	17	0
Malda	0830	31	1014.4	1010.7	−1.1	18.9	14.3	10.4	12.6	59	−12	1.2	−0.2	2.0	0	0	22	6	1	0	2	2	2	3	6	6	0
	1730	,,	1010.1	1006.5	..	24.9	16.7	10.1	12.3	40	..	1.1	..	1.6	0	0	16	1	1	0	1	0	0	5	8	12	0
Gangetic West Bengal																											
Berhampore	0830	19	1014.3	1012.1	—1.0	19.3	15.7	12.9	14.9	68	−2	1.4	−0.8	1.1	0	0	14	1	0	0	0	3	2	8	0	14	0
	1730	,,	1009.9	1007.2	..	25.1	18.3	13.5	15.5	49	..	1.1	..	0·3	0	0	4	0	0	1	0	0	1	1	1	24	0
Suri	0830	..	..	..	..	20.7	14.7	9.5	11.9	49	..	0.8	..	2.9	0	0	28	5	1	2	0	7	2	10	1	0	0
Asansol	0230	126	1012.3	997.4	..	14.8	12·3	10.0	12.3	73	..	0.6	..	2.1	0	0	11	0	0	0	2	1	0	4	4	17	0
	0530	,,	1012.8	997.9	..	13.8	11.7	10.1	12.3	78	..	1.5	..	2.6	0	0	12	1	0	0	0	0	1	7	3	16	0
	0830	,,	1014.8	1000.1	—0.3	19.7	14.6	10.3	12.5	54	−9	0.9	−1.2	5.7	0	0	28	4	2	0	2	0	1	7	12	0	0
	1130	,,	1013.6	999.3	..	26.6	16.5	7.9	10.7	31	..	0.7	..	7.3	0	0	27	5	3	1	1	3	1	4	9	1	0
	1430	,,	1010.3	996.1	..	28.6	17.0	7.0	10.0	26	..	1.5	..	8.5	0	1	27	5	2	0	3	0	1	6	11	0	0
	1730	,,	1010.2	995·8	..	24.8	16.7	10.3	12.5	40	..	1.7	..	4.1	0	1	17	2	1	0	2	0	1	3	9	10	0
	2330	,,	1012.9	998.1	..	16.4	13.4	10.8	12.9	70	..	0.6	..	2.4	0	0	13	0	2	0	1	0	0	5	5	15	0
Shanti Niketan	0830	59	1014.7	1007.9	..	20.1	14.8	10.3	12.5	54	..	1.1	..	3.4	0	0	19	2	2	0	1	0	3	2	9	9	0
	1130	,,	1014.0	1007.3	..	26.3	16.3	7.6	10.4	31	..	1.0	..	3.8	0	0	25	4	6	1	0	2	3	3	6	3	0
	1730	,,	1010.3	1003.5	..	24.8	17.1	11.1	13.2	43	..	1.1	..	2.1	0	0	13	3	1	0	1	2	1	3	2	15	0
Krishnanagar	0830	15	1013.8	1012.1	—1.5	20.2	16.0	12.8	14.8	63	−10	0.7	−1.5	1.2	0	0	11	1	1	0	0	5	0	0	4	17	0
	1730	,,	1010.2	1008·6	..	25.3	17.9	12.5	14.5	44	..	0.3	..	0.1	0	0	1	1	0	0	0	0	0	0	0	27	0
Purulia	0830	255	1015.0	985·6	—0.4	18.8	13.9	9.6	11.9	55	+2	1.4	+0.2	3.2	0	0	25	3	1	1	1	2	3	8	6	3	0
	1730	,,	1010.4	981.8	..	26.1	17.3	10.4	12.6	37	..	2.0	..	2.0	0	0	15	4	1	0	0	1	3	6	0	13	0
Bankura	0830	100	1014.3	1002.7	..	19.3	15.0	11.5	13.6	60	..	1.0	..	1.0	0	0	14	1	2	1	0	0	1	5	4	14	0
	1730	,,	1009.3	998.0	..	27.1	18.0	11.1	13.2	38	..	0.8	..	0.9	0	0	13	0	2	1	0	0	5	3	2	15	0
Burdwan	0830	32	1014.4	1010.6	—0.9	21.4	15.7	11.1	13.2	54	−13	1.0	−1.3	0.8	0	0	5	1	2	0	0	0	0	0	2	23	0
	1730	,,	1009.9	1006.3	..	26.9	18.0	11.3	13.4	38	..	0.5	..	1.4	0	0	7	0	1	0	0	3	2	1	0	21	0
Barrackpore (Aerodrome)	0530	7	1012.4	1011.6	..	15.3	14.5	13.9	15.9	91	..	1.9	..	2.2	0	0	10	1	2	0	0	2	5	0	0	18	0
	0830	,,	1014.0	1013.2	−0.7	20.4	17.2	15.0	17.0	71	+2	1.6	−0.2	5.3	0	0	22	5	3	3	1	2	2	5	1	6	0
	1130	,,	1013.8	1013.0	..	26.9	17.8	10.9	13.0	42	..	1.1	..	7.9	0	0	27	9	1	3	0	1	4	7	2	1	0
	1730	,,	1010.6	1009.8	..	25.4	19.2	15.1	17.1	53	..	1.1	..	4.3	0	0	16	3	2	1	0	2	2	2	4	12	0
	2330	,,	1012.7	1011.9	..	17.2	15.7	14.6	16.6	85	..	1.0	..	2.1	0	1	5	2	0	0	0	1	3	0	0	22	0
Calcutta (Dum Dum)	0230	6	1011.5	1010.9	..	16.5	15.7	15.1	17.1	92	..	1.2	..	1.7	0	0	9	2	0	0	0	0	6	0	1	19	0
	0530	,,	1011.9	1011.2	..	15.8	15.0	14.4	16.4	91	..	2.0	..	1.9	0	0	13	2	0	0	0	2	5	2	2	15	0
	0830	,,	1014.1	1013.4	—0.7	20.7	17.4	15.1	17.1	71	+1	1.1	−0.8	3.7	0	0	26	4	8	0	0	5	4	0	5	2	0
	1130	,,	1013.3	1012.6	..	27.1	19.3	14.1	16.1	43	..	1.3	..	5.9	0	0	28	5	2	1	3	2	5	1	9	0	0
	1430	,,	1010.3	1009.6	..	28.8	20.4	15.1	17.1	43	..	1.3	..	6.3	0	0	28	5	2	1	1	2	3	3	11	0	0
	1730	,,	1010.3	1009.6	..	25.7	19.9	16.3	18.5	56	..	1·5	..	2.9	0	0	16	5	1	0	1	2	3	1	3	12	0
	2030	,,	1011.9	1011.2	..	19.8	17.8	16.5	18.8	81	..	0.7	..	1.9	0	0	12	1	3	0	2	3	2	0	1	16	0
	2330	,,	1012.2	1011.5	..	18.0	16.9	16.1	18.3	89	..	1.2	..	1.9	0	0	12	1	2	0	0	5	3	0	1	16	0
Calcutta	0830	6	1013.9	1013.1	−1.3	22.0	17.5	14.3	16.3	62	−17	1.0	−1.3	2.3	0	0	17	2	4	0	1	2	5	0	3	11	0
	1130	,,	1012.8	1012.1	..	27.8	18.1	10.7	12.9	35	..	1.0	..	3.2	0	0	25	6	2	0	1	4	5	1	6	3	0
	1730	,,	1009.9	1009.2	..	26.1	17.9	11.7	13.8	42	..	1.2	..	2.4	0	0	20	3	1	0	1	3	3	1	8	8	0
Midnapore	0830	45	1014.1	1008.7	—1.2	20.8	15.5	11.2	13.3	54	−10	0.9	−1.1	2.3	0	0	25	5	14	0	0	3	3	0	0	3	0
	1730	,,	1010.0	1004.8	..	27.3	17.4	9·5	11.9	34	..	0.8	..	2.6	0	0	17	2	10	0	1	3	0	0	1	11	0
Contai	0830	11	1013.9	1012.7	0	21.6	18.5	16.5	18.8	73	+5	0.9	—0.3	4.7	0	1	25	17	2	0	1	2	2	2	0	2	0
	1730	,,	1010.2	1009.0	..	24.9	20.1	17.2	19.6	63	..	1.5	..	6.9	0	1	25	2	0	2	0	20	2	0	0	2	0
Sagar Island	0830	3	1013.5	1013.2	—1.4	22.6	19.8	18.1	20.8	76	−2	1.4	−1.2	12.3	0	4	24	8	8	1	1	1	5	1	3	0	0
	1730	,,	1010.1	1009.8	..	24.7	20.4	17.9	20.5	67	..	1.8	..	12.3	0	5	23	2	3	0	3	10	8	1	1	0	0
Sandheads	0530	10	1011.0	1009.9	..	23.1	20.4	18.9	21.8	77	..	1.6	..	10.1	0	2	22	8	4	2	0	0	6	3	1	4	0
	0830	,,	1013.7	1012.6	−1.5	25.2	21.6	19.6	22.8	71	+1	1.9	+0.1	9.9	0	4	18	2	1	2	4	5	6	1	1	6	0
	1130	,,	1013.6	1012.5	..	38.1	22.5	19.5	22.4	60	..	1.1	..	9.9	0	1	26	6	9	0	0	3	5	2	2	1	0
	1730	,,	1010.2	1009.1	..	25.3	21.0	18.5	21.3	66	..	1.3	..	10.4	0	0	26	4	7	2	2	0	7	3	1	2	0
	2330	,,	1011.8	1010·8	..	23.5	20.5	18.8	21.7	75	..	0.6	..	10.3	0	4	20	3	0	2	4	5	7	2	1	4	0

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Orissa																											
Baripada	0830	54	1015.2	1008.9	..	20.4	16.2	13.0	15.0	62	..	0.7	..	4.1	0	0	24	11	7	0	1	1	0	1	3	4	0
	1730	"	1010.8	1004·7	..	26.3	19.5	15.1	17.1	51	..	1.0	..	1.8	0	0	12	1	2	3	3	2	1	0	0	16	0
Jharsuguda	0230	230	1011.6	984.7	..	16.9	13.7	11.0	13.1	69	..	0.5	..	1.1	0	0	5	2	1	2	0	0	0	0	0	23	0
	0530	"	1012.1	985.2	..	14.9	12.5	10.3	12.5	75	..	0.6	..	2.3	0	0	12	3	8	0	0	0	0	0	1	16	0
	0830	"	1014.2	987.7	−0.4	19.8	14.4	9.7	12.0	53	−3	1.1	−0.2	7.6	0	0	24	9	9	4	1	0	0	0	1	4	0
	1130	"	1013.0	987.1	..	26.8	16.9	8.7	11.2	33	..	1.0	..	7.1	0	0	24	4	6	1	3	2	3	4	1	4	0
	1730	"	1009.3	983·5	..	27.8	17.2	8.4	11.0	30	..	1.3	..	5.6	0	0	21	2	3	0	1	3	6	4	2	7	0
	2330	"	1012.2	985·7	..	19.3	14.7	10.9	13.0	59	..	0.6	..	2.6	0	0	11	3	2	3	1	1	0	0	1	17	0
Keonjhargarh	0830	463	1014.6	962.3	..	20.3	16.2	13.5	15.5	67	..	0.3	..	1.5	0	0	20	7	6	0	0	0	0	4	3	8	0
	1730	"	1009.8	958.6	..	26.0	18.2	13.2	15.2	46	..	0.8	..	1.7	0	0	23	3	1	1	1	2	0	12	3	5	0
Balasore	0830	20	1013.9	1011.6	−1.3	21.5	17.3	14.3	16.3	65	−4	1.6	−0.4	5.5	0	0	24	15	1	0	0	2	3	0	3	4	0
	1730	"	1010.2	1007.9	..	24.9	20.0	17.0	19.0	62	..	2.0	..	5.1	0	0	27	0	0	1	11	15	0	0	0	1	0
Sambalpur	0830	148	1013.6	996.6	−1.4	22.4	16.8	12.6	14.6	55	−10	0.5	−1.2	3·3	0	0	25	7	10	4	2	1	0	1	0	3	0
	1730	"	1009.6	992.9	..	26.8	18.5	12.5	14.5	41	..	0 4	..	0.4	0	0	5	0	1	0	0	0	0	2	2	23	0
Angul	0830	139	1014.6	998.5	−0.3	20.6	17·6	15.6	17.7	73	+6	2.2	−0.2	4.1	0	0	24	2	2	0	0	2	2	10	6	4	0
	1730	"	1010·1	994.6	..	28.3	19.4	13.3	15.3	40	..	1.6	..	4.1	0	0	27	2	1	6	4	2	1	5	6	1	0
Chandbali	0830	6	1013.7	1013.0	−1.2	22.2	19.5	17.9	20.5	78	+1	2.0	−0.2	3 6	0	0	27	7	2	0	1	1	5	0	11	1	0
	1730	"	1010.4	1009.7	..	25.1	20.0	16.9	19.3	61	..	1.6	..	8.3	0	2	26	0	5	5	14	1	3	0	0	0	0
Bolangir	0830	190	1013.9	992.0	..	22.1	17.2	13.7	15.7	59	..	0.3	..	5.1	0	0	28	7	6	0	3	6	3	0	3	0	0
	1730	"	1009.4	988.1	..	28.5	19.4	13.1	15.1	39	..	1.6	..	4.1	0	0	28	7	7	2	0	4	4	1	3	0	0
Phulbani	0830	464	1013.0	960.0	..	17.7	15.6	14.2	16.2	79	..	0.1	..	0.0	0	0	0	0	0	0	0	0	0	0	0	28	0
	1730	"	1008.4	957.1	..	25.7	19.1	15.2	17.3	53	..	1.0	..	0.3	0	0	2	0	1	0	0	0	0	1	0	26	0
Cuttack	0830	27	1014.0	1010.9	−1.2	22.0	19.5	18.0	20.6	78	+2	1.4	−0.9	2 3	0	0	14	2	6	0	0	0	2	2	2	14	0
	1730	"	1009.9	1006.9	..	29.4	21.1	16.1	18.3	45	..	1.4	..	5.0	0	0	16	0	1	1	4	7	1	0	2	12	0
Titlagarh	0830	211	1014.1	990.0	..	22.1	17.8	14.8	16.8	63	..	0	..	1.8	0	0	23	0	7	3	6	4	2	0	1	5	0
	1730	"	1009.1	985.9	..	30.0	19.7	12.5	14.5	35	..	1.1	..	2.9	0	0	27	1	18	1	2	1	2	1	1	1	0
Bhubaneswar	0230	46	1011.6	1006.3	..	20.4	18.7	17.6	20.1	84	..	1.6	..	5.5	0	1	21	2	0	1	1	8	4	3	3	6	0
	0530	"	1011.8	1006.4	..	19.2	18.1	17.4	19.9	89	..	1.1	..	5.1	0	0	22	3	1	4	2	2	5	3	2	6	0
	0830	"	1014.0	1008.7	−0.3	24.1	20.2	17.9	20.5	68	0	1.6	−0.5	8.2	0	2	24	3	9	2	0	0	7	1	4	2	0
	1130	"	1013.3	1008.1	..	28.7	20.5	15.3	17.4	44	..	2.1	..	10·2	0	4	24	1	3	8	1	2	6	4	3	0	0
	1430	"	1010.1	1004.9	..	30.6	19.9	12.6	14.6	33	..	2.4	..	9.7	0	3	24	4	2	6	1	5	3	4	2	1	0
	1730	"	1010.4	1005.1	..	27.5	19.9	15.0	17.0	47	..	2.1	..	13.5	0	8	19	1	0	3	7	10	1	0	5	1	0
	2330	"	1012.5	1007.1	..	22.1	19 8	18.5	21.3	80	..	1.2	..	8.4	0	2	23	2	0	4	4	2	10	2	1	3	0
Puri	0830	6	1013.9	1013.2	−0.9	24.6	21.1	19.1	22.1	72	−4	2.5	+0.5	9.1	0	4	24	11	2	0	1	1	9	2	2	0	0
	1730	"	1010.3	1009.6	..	25.8	21.9	19.8	23.1	70	..	2.5	..	14.5	0	5	23	0	1	1	12	9	5	0	0	0	0
Gopalpur	0530	17	1011.7	1009.7	..	20.3	18.6	17.5	20.0	84	..	1.6	..	2.8	0	0	19	4	0	0	0	0	2	2	11	9	0
	0830	"	1013.6	1011.9	−0.9	23.0	19.9	18.1	20.8	75	+2	1.6	+0.4	3.6	0	0	21	9	1	0	0	1	2	2	6	7	0
	1130	"	1018.6	1011.6	..	27.9	22.3	19.3	22.4	60	..	2.0	..	8.3	0	3	23	1	0	3	7	7	3	4	1	2	0
	1730	,	1010.4	1008.5	..	26.2	22.1	19.9	23.2	69	..	2.5	..	12.9	0	6	22	0	0	2	12	8	6	0	0	0	0
	2330	"	1012.6	1010.6	..	23.3	21.0	19.7	22.9	80	..	2.1	..	7.6	0	4	12	0	0	0	0	6	10	0	0	12	0
Koraput (R)	0830	913																									
(R)	1730	"																									
Bihar Plateau																											
Dumka	0830	149	1014.6	997.2	−0.8	18.9	14.2	10.2	12.4	57	−2	1.1	−0.5	3.7	0	0	20	2	0	1	7	1	4	4	1	8	0
	1730	"	1010.6	993.7	..	25.1	16.5	9.5	11.9	38	..	0.9	..	2.5	0	0	14	0	1	1	6	0	3	1	2	14	0
Daltonganj	0830	221	1015 5	989.7	−0.3	17.1	13.2	9.7	12.0	62	−11	0.7	−0.9	1.7	0	0	21	2	2	3	3	6	1	4	0	7	0
	1730	"	1009.6	984.7	..	26.2	16.2	7.4	10.3	29	..	0.9	..	2.5	0	0	28	3	2	1	0	1	1	9	11	0	0
Hazaribagh	0830	611	1014.2	944.9	−0.5	17.6	11.2	4.9	8.7	45	−15	0.6	−1.6	5.0	0	0	23	1	1	0	2	4	6	2	7	5	0
	1730	"	1009.9	942.0	..	22.5	12.4	2.1	7.1	31	.	1.2	..	7.9	0	0	27	5	1	0	0	1	0	4	16	1	0
Dhanbad	0830	257	1013.7	984.1	..	19.4	13.3	7.5	10.4	47	..	0.6	..	1.9	0	0	17	1	0	0	1	0	3	7	4	11	1
	1730	"	1009.6	980.6	..	24.8	15.8	7.9	10.7	36	..	1.2	..	0.7	0	0	7	2	1	0	0	0	0	2	2	21	0
Ranchi	0830	655	1014.3	939.6	−1.1	15.0	10.4	5.9	9.3	55	+1	0.5	−1.6	1.1	0	0	15	2	4	4	0	1	0	0	4	13	0
	1730	"	1009.5	936.4	..	20.6	13.9	8.4	11.0	47	..	1.3	..	1.3	0	0	19	1	1	3	0	2	0	3	9	9	0
Ranchi (Aerodrome)	0530	652	1012.8	938.4	..	14.1	10.1	6.2	9.5	60	..	0.9	..	4.0	0	0	14	7	0	0	0	1	1	1	4	14	0
	0830	"	1014 1	940.5	..	17.9	11.9	6.3	9.5	47	..	0.9	..	5.8	0	2	19	6	3	4	0	1	2	1	4	7	0
	1130	"	1012.7	940.3	..	22.7	13.5	5.1	8.8	32	..	1.0	..	10.6	0	4	19	1	3	3	0	4	2	3	7	5	0
	1430	"	1009.1	937.4	..	24.9	14.0	3.9	8.1	27	..	1.9	..	15.1	0	6	20	3	0	1	0	2	5	6	9	2	0
	1730	"	1009.5	937.3	..	22.8	13.6	5.3	8.9	34	..	1.5	..	9.9	0	2	24	6	1	2	0	2	1	3	11	2	0

(R) Register not received.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bihar Plateau—(Contd.)																											
Jamshedpur	0830	129	1014.1	999.0	−1.2	18.1	14.3	11.1	13.2	64	−8	0.7	−1.6	1.3	0	0	17	2	0	1	0	1	0	5	8	11	0
	1730	,,	1009.3	994.9	..	27.4	17.0	8.3	10.9	30	..	1.0	..	1.9	0	0	18	2	3	4	0	0	0	5	4	10	0
Jamshedpur (P.B.O.)	0530	142	1012.4	995.7	..	15.0	12.9	11.1	13.2	78	..	0.9	..	1.6	0	0	8	0	1	0	0	1	1	2	3	20	0
	0830	,,	1014.7	998.2	..	19.2	14.6	10.7	12.9	59	..	1.0	..	3.4	0	0	17	0	0	0	0	1	3	3	10	11	0
	1130	,,	1013.4	997.3	..	25.6	16.7	9.5	11.9	37	..	0.8	..	5.1	0	0	23	3	1	1	0	1	4	6	7	5	0
	1430	,,	1010.0	994.0	..	28.1	17.6	9.2	11.6	31	..	1.4	..	6.9	0	0	25	3	1	1	0	2	4	2	12	3	0
	1730	,,	1009.5	993.6	..	26.9	17.2	9.4	11.8	34	..	1.0	..	4.6	0	0	22	3	4	1	1	1	1	2	9	6	0
	2330	,,	1012.5	996.1	..	18.1	14.9	12.4	14.4	70	..	1.0	..	1.8	0	0	9	3	0	0	0	0	1	1	4	19	0
Ghaibasa	0830	226	1014.1	987.9	−1.1	18.7	14.7	11.4	13.5	63	−8	0.8	−1.3	1.4	0	0	17	0	2	0	1	0	14	0	0	11	0
	1730	,,	1009.2	983.7	..	26.8	18.8	13.6	16.6	45	..	0.7	..	1.6	0	0	15	0	5	0	0	0	8	0	2	13	0
Bihar Plains																											
Motihari	0830	66	1014.5	1006.7	−0.4	17.2	13.8	10.9	13.0	67	−9	1.0	−0.7	4.0	0	0	24	0	10	2	0	0	3	4	5	4	0
	1730	,,	1010.3	1002.6	..	23.0	17.5	13.6	15.6	55	..	0.4	..	0.5	0	0	3	0	0	0	0	0	0	3	0	25	0
Forbesganj	1830	61	1014.2	1007.0	..	16.3	13.7	11.5	13.6	73	..	0.9	..	3.2	0	0	24	0	4	9	2	0	1	8	0	4	0
	1730	,,	1009.8	1002.8	..	23.6	16.7	11.3	13.4	47	..	1.1	..	2.8	0	0	20	0	0	1	0	0	1	18	0	8	0
Darbhanga	0830	49	1014.8	1009.2	−0.1	20.7	15.2	10.7	12.9	54	−19	1.2	−0.5	1.7	0	0	14	0	2	3	1	0	2	5	1	14	0
	1730	,,	1011.4	1005.7	..	24.6	17.0	11.1	13.2	45	..	0.6	..	0.5	0	0	5	0	0	0	0	1	0	4	0	23	0
Chapra	0830	58	1014.7	1007.9	..	17.4	12.9	8.7	11.2	58	..	0.9	..	2.8	0	0	25	1	2	4	2	0	9	2	5	3	0
	1730	,,	1011.5	1004.8	..	20.7	15.1	10.5	12.7	55	..	1.1	..	3.0	0	0	28	2	1	2	2	0	2	16	3	0	0
Purnea	0830	38	1014.2	1009.8	−1.0	16.8	13.1	9.8	12.1	64	−12	1.2	−0.5	2.1	0	0	19	0	1	6	0	1	6	5	0	9	0
	1730	,,	1009.9	1005.6	..	23.9	16.2	9.9	12.2	42	..	0.9	..	2.4	0	0	19	0	0	2	0	1	7	9	0	9	0
Patna	0830	53	1014.1	1007.9	−1.3	17.4	13.4	9.9	12.2	62	−1	1.5	−0.4	6.6	0	0	25	1	5	0	2	1	8	7	1	3	0
	1730	,,	1010.3	1004.3	..	24.8	16.5	9.7	12.0	39	..	0.8	..	6.1	0	0	25	0	2	1	0	2	1	18	1	3	0
Patna Aerodrome	0530	60	1011.4	1004.5	..	12.9	10.7	8.5	11.1	75	..	1.7	..	3.3	0	0	15	0	0	3	2	2	2	5	1	13	0
	0830	,,	1013.9	1006.8	..	17.4	13.2	9.4	11.8	60	..	1.6	..	6.1	0	0	21	0	1	1	3	3	5	5	3	7	0
	1130	,,	1013.4	1006.5	..	24.5	16.0	8.8	11.3	37	..	0.8	..	10.6	0	3	23	1	1	3	2	1	3	5	10	2	0
	1430	,,	1010.4	1003.5	..	26.7	16.2	6.9	9.9	29	..	1.0	..	12.3	0	6	20	2	1	1	1	2	0	7	12	2	0
	1730	,,	1010.0	1003.1	..	24.3	16.1	9.3	11.7	38	..	0.9	..	3.5	0	0	18	1	0	0	1	0	0	7	9	10	0
	2330	,,	1011.9	1005.0	..	15.6	12.4	9.4	11.8	67	..	1.1	..	2.3	0	0	9	0	0	0	0	2	1	3	3	19	0
Bhagalpur	0530	49	1012.3	1006.5	..	14.6	12.2	10.0	12.3	74	..	1.5	..	3.5	0	0	17	0	0	2	1	6	6	2	0	11	0
	0830	,,	1014.7	1009.0	+0.1	18.6	14.2	10.4	12.6	60	−1	1.8	+0.7	3.7	0	1	18	0	0	0	2	4	8	4	1	9	0
	1130	,,	1014.0	1008.4	..	24.5	16.5	10.1	12.3	41	..	1.5	..	6.3	0	1	24	2	1	3	1	1	3	12	2	3	0
	1730	,,	1010.8	1005.2	..	23.3	16.4	10.6	12.8	46	..	1.3	..	4.5	0	0	21	0	1	1	0	0	7	9	3	7	0
	2330	,,	1012.6	1006.9	..	17.6	14.4	11.0	13.1	64	..	1.0	..	3.9	0	0	18	0	1	2	0	5	6	4	0	10	0
Sabaur	0830	37	1014.6	1010.2	−0.3	16.8	13.6	10.9	13.0	69	−10	2.0	−0.4	3.2	0	0	22	2	1	0	0	1	4	11	3	6	0
	1730	,,	1010.2	1005.9	..	24.1	18.5	14.7	16.7	51	..	1.1	..	3.2	0	0	18	0	0	1	0	0	2	2	13	10	0
Jamui	0830	82	1015.1	1005.5	..	18.1	15.7	13.9	15.9	77	..	0.7	..	3.9	0	0	27	0	0	16	4	0	1	3	3	1	0
	1730	,,	1008.5	999.0	..	18.7	15.8	13.7	15.7	73	..	0	..	3.3	0	0	28	0	0	21	0	0	0	7	0	0	0
Dehri	0830	107	1014.6	1002.0	..	18.9	13.9	9.5	11.9	55	..	1.1	..	3.5	0	0	28	1	0	1	2	8	7	8	1	0	0
	1730	,,	1009.9	997.7	..	25.7	15.6	6.3	9.5	29	..	0.8	..	4.6	0	0	28	4	2	2	0	1	0	10	9	0	0
Gaya	0230	116	1012.5	998.8	..	13.7	11.5	9.4	11.8	75	..	0.6	..	2.6	0	0	17	0	0	1	3	6	5	1	1	11	0
	0530	,,	1012.6	998.8	..	12.6	10.7	8.8	11.3	77	..	0.7	..	3.1	0	0	21	1	0	0	4	8	4	3	1	7	0
	0830	,,	1014.6	1001.1	−0.6	18.2	13.9	10.1	12.3	58	−2	1.0	−0.8	4.4	0	0	25	0	0	0	4	4	12	3	2	3	0
	1130	,,	1014.1	1000.9	..	25.6	16.6	9.2	11.7	35	..	0.7	..	9.8	0	3	24	3	1	2	2	1	2	6	10	1	0
	1730	,,	1010.5	997.3	..	25.1	16.4	9.2	11.6	37	..	0.8	..	5.6	0	0	23	7	1	2	0	0	0	0	13	5	0
	2330	,,	1012.9	999.3	..	16.1	12.4	8.9	11.4	63	..	0.8	..	3.1	0	0	19	0	1	0	5	5	4	2	2	9	0
Uttar Pradesh (East)																											
Kheri (R)	0830	147																									
(R)	1730	,,																									
Bahraich	0830	124	1013.8	999.2	−0.7	14.3	11.8	9.3	11.7	73	−1	1.6	0	4.7	0	0	24	0	0	8	0	0	2	13	1	4	0
	1730	,,	1010.1	996.8	..	23.1	15.9	10.0	12.3	44	..	2.6	..	2.9	0	0	13	0	0	2	0	0	1	10	0	15	0
Nautanwa	0830	99	1013.4	1001.6	..	15.1	12.6	10.1	12.3	73	..	1.2	..	2.0	0	0	24	0	2	9	2	3	0	3	5	4	0
	1730	,,	1010.0	998.7	..	23.5	15.5	9.0	11.5	41	..	1.1	..	1.4	0	0	19	1		2	0	1	6	5	3	9	0
Hardo	0830	142	1014.6	997.8	+0.7	14.0	11.2	8.3	10.9	68	−4	0.5	−1.0	3.6	0	0	23	1		3	4	1	2	4	8	5	0
	1730	,,	1012.3	995.9	..	22.8	14.1	5.2	8.8	33	..	0.8	..	3.1	0	0	26	0	0	5	1	0	3	9	8	2	0

(R) Registers not received.

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	20 to 61	1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Uttar Pradesh (East)—(Contd.)																											
Gonda	0830	110	1014.4	1001.4	..	16.3	12.8	9.6	11.9	66	−9	1.1	−1.1	2.7	0	0	22	0	0	5	0	0	0	10	7	6	0
	1730	,,	1011.2	998.5	..	22.6	14.9	7.7	10.5	40	..	1.3	..	1.5	0	0	15	0	0	1	0	0	0	9	5	13	0
Lucknow	0830	111	1013.6	1001.0	−1.1	14.5	11.9	8.9	11.4	68	0	1.3	−0.7	1.7	0	0	21	0	0	0	1	0	0	20	0	7	0
	1730	,,	1010.4	997.7	..	24.3	15.1	6.0	9.3	32	..	2.0	..	5.0	0	0	21	0	0	1	2	0	0	16	2	7	0
Lucknow (Amausi)	0230	128	1012.0	996.8	..	12.4	9.9	7.0	10.0	71	..	1.0	..	6.3	0	0	26	4	2	2	2	1	0	8	7	2	0
	0530	,,	1011.9	996.6	..	10.5	8.8	6.8	9.9	79	..	0.7	..	4.8	0	0	23	1	3	2	1	0	0	11	5	5	0
	0830	,,	1014.1	998.9	−1.4	14.4	11.1	7.4	10.3	64	−4	1.2	−0.8	7.1	0	4	18	1	1	2	1	1	2	6	8	6	0
	1130	,,	1013.9	999.2	..	23.3	14.4	5.2	8.8	33	..	0.9	..	13.3	0	6	22	0	0	3	2	3	0	10	10	0	0
	1430	,,	1010.9	996.2	..	25.9	14.8	3.0	7.6	24	..	1.8	..	14.3	0	9	19	1	0	2	4	0	0	8	13	0	0
	1730	,,	1010.5	995.9	..	24.0	14.6	5.2	8.8	31	..	1.9	..	7.0	0	0	24	0	1	2	1	0	0	11	9	4	0
	2030	,,	1012.3	997.3	..	16.3	11.9	7.1	10.1	56	..	0.8	..	5.2	0	0	26	1	3	2	1	0	0	12	7	2	0
	2330	,,	1012.9	997.8	..	14.0	10.7	7.1	10.1	64	..	0.9	..	5.4	0	0	25	2	4	3	0	0	0	9	7	3	0
Faizabad	0830	102	1013.6	1001.6	..	15.2	11.9	8.5	11.1	66	..	1.4	..	3.3	0	0	19	0	0	2	4	1	1	8	3	9	0
	1730	,,	1010.5	998.9	..	23.3	16.0	9.6	11.9	43	..	2.1	..	1.9	0	0	12	0	0	0	1	0	1	9	1	16	0
Gorakhpur	0830	77	1014.0	1004.8	−0.9	16.6	12.9	10.2	12.4	63	−8	1.2	−0.3	1.9	0	0	21	0	2	4	0	1	4	9	1	7	0
	1730	,,	1010.8	1001.0	..	24.4	16.0	8.4	11.0	37	..	1.3	..	2.4	0	0	21	1	0	3	0	0	1	15	1	7	0
Gorakhpur (P.B.O.)	0230	78	..	1002.3	..	..	..	..	..	..	..	1.1	..	2.6	0	0	14	1	2	1	0	3	0	5	2	14	0
	0530	,,	..	1002.3	..	..	..	..	..	..	..	0.8	..	1.9	0	0	12	1	2	0	1	1	0	6	1	16	0
	1130	,,	..	1004.7	..	..	..	..	..	..	..	0.7	..	5.8	0	0	28	0	3	4	4	5	1	9	2	0	0
	1430	,,	..	1001.7	..	..	..	..	..	..	..	0.7	..	5.9	0	0	24	1	0	0	6	2	2	11	2	4	0
	2030	,,	..	1002.7	..	..	..	..	..	..	..	0.8	..	1.1	0	0	11	1	0	0	0	1	1	6	2	17	0
	2330	,,	..	1003.0	..	..	..	..	..	..	..	0.8	..	1.4	0	0	8	1	2	0	0	1	0	4	0	20	0
Kanpur	0830	126	1013.4	998.4	−2.0	12.9	10.4	7.7	10.5	70	+2	0.9	−0.4	6.6	0	0	23	4	1	6	0	0	0	11	1	5	0
	1730	,,	1011.6	996.3	..	25.4	15.6	6.7	9.8	30	..	0.9	..	8.6	0	0	27	3	0	4	0	0	0	18	2	1	0
Kanpur (Aerodrome)	0530	126	1012.1	997.1	..	11.4	9.0	5.7	9.1	70	..	0.8	..	8.3	0	0	22	6	0	4	1	1	0	9	1	6	0
	0830	,,	1014.3	999.4	..	14.9	11.1	6.1	9.4	60	..	1.3	..	10.9	0	0	27	5	0	5	1	1	0	10	5	1	0
	1130	,,	1014.5	999.7	..	23.2	14.7	5.5	9.0	33	..	0.4	..	15.1	0	5	23	2	1	0	6	2	1	7	9	0	0
	1730	,,	1010.8	996.5	..	24.8	14.6	3.3	7.7	27	..	2.1	..	13.3	0	1	27	4	1	2	1	0	1	6	13	0	0
	2330	,,	1012.9	998.1	..	15.6	11.3	6.5	9.7	56	..	1.1	..	10.3	0	1	24	5	1	1	2	0	0	8	8	3	0
Sultanpur	0830	97	1014.7	1003.3	..	15.3	12.0	8.7	11.2	65	..	1.0	..	2.9	0	0	21	1	0	0	6	0	4	6	4	7	0
	1730	,,	1010.8	999.7	..	25.1	15.8	7.6	10.4	36	..	1.1	..	2.3	0	0	19	1	0	2	1	0	0	11	4	9	0
Azamgarh	0830	78	1014.2	1005.0	..	15.8	12.9	10.2	12.4	71	..	1.3	..	6.0	0	0	28	2	0	7	0	1	0	18	0	0	0
	1730	,,	1010.5	1001.7	..	23.9	17.1	12.2	14.2	52	..	1.2	..	5.4	0	0	28	0	0	5	0	0	0	23	0	0	0
Fatehpur	0830	114	1014.4	1001.0	..	16.1	12.2	8.4	11.0	61	−8	0.7	−1.2	7.4	0	0	27	2	1	3	2	2	6	6	5	1	0
	1730	,,	1010.0	997.8	..	25.0	16.4	9.0	11.5	37	..	1.1	..	8.4	0	0	26	1	1	4	1	0	1	2	16	2	0
Ballia	0830	64	1015.1	1007.5	..	18.0	14.0	10.6	12.8	63	..	1.6	..	2.1	0	0	22	0	1	2	2	0	8	7	2	6	0
	1730	,,	1011.4	1004.0	..	23.3	18.0	14.0	16.0	58	..	1.3	..	1.1	0	0	11	0	0	2	1	0	1	6	1	17	0
Gonda	0830	121	1015.5	1001.3	..	17.3	12.5	7.5	10.4	54	..	1.0	..	1.2	0	0	12	1	3	0	2	0	4	0	5	16	0
	1730	,,	1011.1	997.5	..	26.8	16.2	6.9	9.9	28	..	0.8	..	1.3	0	0	17	1	0	0	0	1	3	0	12	11	0
Allahabad (Bamhrauli)	0230	98	1012.3	1000.3	..	14.2	11.0	7.6	10.4	66	..	0.8	..	1.1	0	0	7	0	0	2	1	0	1	1	2	21	0
	0530	,,	1012.2	1000.5	..	12.4	10.0	7.4	10.3	71	..	0.6	..	1.2	0	0	9	0	2	0	0	0	3	2	2	19	0
	0830	,,	1014.3	1002.8	−1.1	15.8	10.2	7.8	10.8	60	−6	1.1	−1.1	3.4	0	0	21	2	1	2	2	2	3	8	1	7	0
	1130	,,	1014.2	1003.0	..	25.1	15.9	7.5	10.4	33	..	0.6	..	6.4	0	0	28	3	0	3	2	5	0	13	2	0	0
	1430	,,	1011.2	1000.1	..	27.9	16.9	7.2	10.1	28	..	0.9	..	7.6	0	0	28	4	1	2	0	1	1	17	2	0	0
	1730	,,	1010.5	999.6	..	25.9	16.1	7.3	10.2	31	..	1.5	..	4.4	0	0	25	4	3	2	0	0	0	8	8	3	0
	2030	,,	1012.3	1000.9	..	19.2	13.7	8.4	11.0	51	..	0.9	..	1.3	0	0	12	0	4	1	0	0	0	2	5	16	0
	2330	,,	1012.9	1001.3	..	16.7	12.2	7.6	10.4	57	..	0.7	..	1.2	0	0	9	0	1	3	0	0	0	2	3	19	0
Varanasi (Babatpur)	0530	85	1013.2	1003.0	..	14.6	11.2	7.6	10.4	66	..	0.9	..	4.0	0	0	18	0	0	0	0	0	8	6	0	10	4
	0830	,,	1015.3	1005.1	−0.2	16.7	12.9	9.1	11.5	62	−1	1.3	0	8.3	0	0	24	0	2	3	2	0	10	6	1	4	0
	1130	,,	1014.9	1005.0	..	23.9	15.9	8.9	11.4	39	..	1.0	..	12.4	0	0	28	0	1	3	1	2	5	13	1	0	2
	1730	,,	1011.4	1001.5	..	25.4	16.3	8.1	10.8	35	..	1.3	..	8.6	0	0	25	0	2	2	0	0	2	17	1	3	1
	2330	,,	1013.5	1003.4	..	18.0	13.1	8.5	11.1	55	..	0.9	..	4.4	0	0	18	1	1	2	0	1	1	12	0	10	0
Varanasi	0830	76	1014.1	1005.2	−1.2	17.0	12.9	9.0	11.7	61	−8	1.6	−0.3	2.3	0	0	27	0	2	1	5	0	6	12	1	1	0
	1730	,,	1010.1	1001.3	..	25.7	16.7	9.0	11.0	35	..	1.5	..	2.3	0	0	27	5	2	1	1	0	0	12	6	1	0
Uttar Pradesh (West)																											
Mukhim	0830	..	..	..	..	6.5	3.2	−1.4	5.4	60	..	3.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	8.1	4.5	0	6.1	59	..	4.5	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..

TABLE III—SUMMARY OF OBSERVATIONS AT FIXED HOURS—FEBRUARY, 1965 (MAGHA 12 —PHALGUNA 9, 1886 SAKA)

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Uttar Pradesh (West)—(*Contd.*)																											
Tehri	0830	..	..	..	..	8·5	7·6	6·8	9·9	89	..	3·4	..	0·1	0	0	1	1	0	0	0	0	0	0	0	27	0
	1130	..	..	..	..	14·1	10·0	6·0	9·3	58	..	3·6	..	0·3	0	0	3	1	0	0	0	0	0	0	1	25	1
	1730	..	..	..	..	17·5	11·4	5·3	8·9	49	..	3·9	..	1·9	0	0	15	1	2	1	1	2	4	2	2	13	0
Dehra Dun	0530	682	1013·4	934·3	..	9·7	8·2	6·5	9·7	81	..	2·6	..	0·4	0	0	5	4	0	0	0	1	0	0	0	23	0
	0830	,,	1014·7	935·7	—1·1	10·7	8·7	6·7	9·8	78	+5	2·7	—0·6	1·6	0	0	16	8	1	0	0	0	1	5	1	12	0
	1130	,,	1013·8	936·7	..	17·4	11·9	6·7	9·8	52	..	3·7	..	2·4	0	0	21	1	1	2	3	2	6	4	2	7	0
	1730	,,	1010·6	934·0	..	18·4	12·6	7·4	10·3	51	..	3·8	..	2·1	0	0	22	4	0	1	0	3	4	7	3	6	0
	2330	,,	1014·1	935·5	..	11·8	9·7	7·7	10·5	76	..	2·5	..	2·3	0	0	11	7	3	1	0	0	0	0	0	17	0
Mansiari	0830	..	..	..	..	4·5	0·8	—5·2	3·9	49	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	4·2	1.8	—1·6	5·3	66	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Roorkee	0830	274	1015·4	982·8	—0·2	11·3	9.3	7·1	10·1	76	—3	3·0	+0·4	1·2	0	0	18	0	0	0	5	0	0	0	13	10	0
	1730	,,	1012·5	980·9	..	21·0	14·3	8·1	10·8	45	..	3·1	..	1·5	0	0	21	0	0	0	4	0	0	0	17	7	0
Najibabad	0830	270	1014·8	982·8	..	11·1	9·3	7·4	10·3	78	..	2·5	..	3·1	0	0	20	0	2	3	2	0	0	10	3	8	0
	1730	,,	1013·2	982·1	..	19·8	14.6	10·4	12·6	56	..	3.4	..	5·0	0	0	27	0	1	5	1	0	0	15	5	1	0
Meerut	0830	222	1015·1	989·0	—0·3	15·0	11·6	8·0	10·7	63	—7	1.0	—1·3	5·2	0	0	23	0	0	1	0	0	0	13	9	5	0
Bareilly	0830	173	1014·0	993·4	—1·2	13·3	11·4	9·6	11·9	79	+4	2·0	—0·3	4 7	0	0	24	0	0	7	1	0	0	9	7	4	0
	1730	,,	1010·8	990 9	..	21·8	16·4	12·1	14·1	55	..	2·3	..	2·6	0	0	22	0	0	6	0	0	2	13	1	6	0
Bareilly (P.B.O.)	0230	172	1012·2	991·8	..	14·0	11·3	8·4	11·0	70	..	1·0	..	4·6	0	0	27	4	4	3	0	0	0	12	4	1	0
	0530	,,	1011·9	991·4	..	12·6	10.0	7·6	10·4	72	..	1·3	..	5·1	0	0	27	1	2	7	0	0	0	17	0	1	0
	1130	,,	1014·1	994·0	..	19·8	13·9	9·2	11·6	52	..	1·9	..	6·7	0	0	28	3	4	3	2	0	2	10	4	0	0
	1430	,,	1010·9	991·5	..	23·5	14·7	7·4	10·3	37	..	2·4	..	6·7	0	1	27	0	1	3	3	0	1	13	7	0	0
	2030	,,	1012·4	992·2	..	17·5	12·6	8·4	11·0	55	..	0.9	..	4·8	0	0	23	1	3	4	0	0	1	14	0	5	0
	2330	,,	1012·9	992·6	..	15·6	11·8	8·2	10·9	62	..	1.1	..	4·2	0	0	24	3	0	5	0	0	0	13	3	4	0
Aligarh	0830	187	1014·6	992·0	..	12·6	10·1	7·3	10·2	71	+3	1·7	—0·3	3·8	0	0	27	3	1	5	0	1	1	12	4	1	0
	1730	,,	1011·6	990·0	..	22·1	14·7	7·6	10·4	41	..	1·1	..	3·6	0	0	27	5	3	2	1	1	0	13	2	1	0
Mainpuri	0830	157	1014·1	995·8	—1·0	13·5	10·5	7·3	10·2	67	+1	1·0	—1.2	3·2	0	0	20	0	0	3	3	0	0	10	4	8	0
	1730	,,	1011.6	993·6	..	23·9	15·9	8·5	11·1	39	..	0·8	..	4·3	0	0	20	0	0	0	2	0	1	16	1	8	0
Agra	0830	169	1015.2	995 2	—0·6	13·7	10 4	6·8	9·9	64	+1	0·9	—1·2	0·3	0	0	1	0	0	1	0	0	0	0	0	27	0
	1730	,,	1011·5	992 2	..	23·7	15·1	7·7	10·5	39	..	0·4	..	1·0	0	0	2	0	1	0	0	0	0	0	1	26	0
Agra (Aerodrome)	0530	169	1013·1	992·8	..	10·0	8·1	6.7	9·8	81	..	0·9	..	7·1	0	0	21	2	1	3	3	0	0	7	5	7	0
	0830	,,	1014·7	994·7	..	12·8	10·3	7·5	10·4	71	..	1·5	..	9·4	0	0	23	1	1	3	3	0	2	7	6	5	0
	1130	,,	1014·8	995·4	..	21·6	14·9	8·8	11·3	46	..	2·0	..	14·0	0	6	21	3	1	0	2	3	4	4	10	1	0
	1730	,,	1011·6	992·0	..	23·5	15·7	8·4	11·0	40	..	1·3	..	10·7	0	3	21	5	0	2	2	0	2	2	11	4	0
	2330	,,	1013.6	993.5	..	13.9	11.3	8.7	11.2	72	..	0.6	..	6·6	0	1	18	2	5	2	1	0	0	1	8	9	0
Orai	0830	141	1015.4	998.8	..	16.6	12.9	9.5	11.9	64	..	0.4	..	3.0	0	0	28	2	12	0	1	0	0	1	12	0	0
	1730	,,	1012.6	996.3	..	25.0	17.5	11.8	13.8	45	..	0.3	..	2 1	0	0	28	3	8	1	0	0	0	1	15	0	0
Jhansi	0830	251	1014·9	985.4	—1·3	14.2	10.4	6.2	9.5	59	+5	0.6	—0·8	0.4	0	0	7	0	0	1	1	1	0	0	4	21	0
	1730	,,	1010 7	982.5	..	26.8	15.5	4.5	8.2	26	..	1.2	..	0.9	0	0	15	0	0	6	0	3	0	0	6	13	0
Punjab (India) (Including Delhi)																											
Pathankot	0530	312	(d) 1013·3	976.3	..	(d) 9.3	(d) 8.3	(d) 7.2	10·1	(d) 87	..	2.7	..	2.8	0	0	10	2	4	2	0	2	0	0	0	18	0
	0830	,,	1014·6	977.8	—0·8	11.4	9.4	7.3	10.2	78	+4	3.8	+0·5	3.4	0	0	14	2	7	3	0	2	0	0	0	14	0
	1130	,,	1015 1	979.0	..	17·5	12.3	6.9	9·9	52	..	4.1	..	6.3	0	0	21	2	2	3	3	3	3	4	1	7	0
	1730	,,	1012·5	976.5	..	18·2	12.7	7.2	10.1	50	..	4.3	..	9.9	0	1	26	2	5	2	1	0	2	13	2	1	0
	2330	,,	1015·1	977.9	..	11·9	10.2	8.3	10·9	80	..	3.6	..	4.7	0	1	9	1	4	4	0	1	0	0	0	18	0
Bhuntar	0830	1067	1504.7	893.8	..	4.4	3.9	3.3	7.7	91	..	3.7	..	2.2	0	0	16	5	3	4	1	2	0	0	1	12	0
	1130	,,	1511·1	893.7	..	9.9	6.9	3.7	8.0	65	..	4.2	..	4.1	0	0	23	1	2	6	6	4	2	0	0	5	2
	1730	,,	1484·6	890.6	..	11·8	8.0	4.0	8.1	61	..	5.5	..	8.6	0	3	21	1	4	0	4	5	0	2	8	4	0
Amritsar (Rajasansi)	0530	234	1013·5	985.4	..	7.9	7.1	6.0	9.3	88	..	1.9	..	4.7	0	1	14	2	1	3	1	1	1	2	4	13	0
	0830	,,	1014·8	986.7	—0·9	9.5	8.2	6.8	9.9	84	—1	3.1	+0·4	3.5	0	0	14	3	1	3	1	0	1	1	4	14	0
	1130	,,	1015·3	988.0	..	17.8	12.7	7.8	10.6	53	..	3.4	..	9.0	0	1	22	2	0	4	4	0	1	1	11	5	0
	1430	,,	1013·1	986.1	..	20.6	13.6	6.8	9.9	42	.	3.4	..	11.1	0	2	24	1	0	3	2	1	3	5	11	2	0
	1730	,,	1012·4	985.3	..	19.3	13.2	7·2	10.1	48	..	3.5	..	10.7	0	2	25	3	1	4	0	1	1	2	15	1	0
	2030	,,	1014·1	986.4	..	13.2	10.5	7.7	10·5	69	..	2.4	..	6.7	0	1	18	1	3	2	1	1	0	2	9	9	0
Adampur (Aerodrome)	0830	249	1015·0	985 2	..	9.1	8.3	7.6	10.4	91	..	3.5	..	5.0	0	1	13	3	1	2	3	2	0	1	2	14	0
	1730	,,	1012·6	983 8	..	18.2	13.4	8.8	11.3	56	..	3.6	..	14.3	0	3	23	1	0	3	2	0	0	5	15	2	0
Ludhiana	0830	247	1015·1	985 7	—0·7	11.9	10.0	7.8	10.9	78	+2	3·6	+1·0	2·8	0	0	22	1	2	2	0	3	2	2	10	6	0
	1730	,,	1011·8	983 4	..	19·9	15.1	10·7	13·3	55	..	2.7	..	3.2	0	0	26	3	2	0	4	0	0	1	16	2	0
Ferozepur	0830	200	1015·4	991·6	..	11.0	9.3	8·0	10.7	83	..	2.0	..	2.1	0	0	19	1	6	2	1	0	0	3	6	9	0
	1730	,,	1012·5	989 2	..	18.9	14.1	9.9	12.2	58	..	1.4	..	1.6	0	0	17	5	5	2	1	0	0	0	4	11	0

(d) Mean of 27 days.

TABLE III—SUMMARY OF OBSERVATIONS AT FIXED HOURS—FEBRUARY, 1965 (MAGHA 12—PHALGUNA 9, 1886 SAKA)

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height 10 a.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Punjab (India) (Including Delhi)—(*Contd.*)																											
Haiwara (Aerodrome)	0830	242	1014.9	986.6	..	10.1	9.0	7.9	10.7	86	..	3.6	..	6.3	0	0	21	5	1	2	1	2	1	0	9	7	0
	1730	,,	1012.2	984.5	..	19.4	13.4	7.4	10.3	47	..	3.1	..	11.6	0	2	24	5	0	1	4	1	1	1	13	2	0
Chandigarh . .	0830	347	1013.1	972.2	−1.4	14.6	10.7	6.5	9.6	60	−6	2.3	+0.8	2.6	0	0	24	0	1	0	11	0	0	0	12	4	0
	1730	,,	1010.2	970.2	..	20.1	14.2	8.8	11.3	49	..	2.6	..	2.8	0	0	25	0	2	0	5	0	0	0	18	3	0
Ambala . . (R)	0830	272																									
(R)	1730	,,																									
Ambala (P.B.O.) .	0230	278	1012.8	980.1	..	13.4	10.3	7.9	10.7	70	..	2.3	..	7.4	0	1	22	0	0	2	4	1	0	0	16	5	0
	0530	,,	1012.4	979.5	..	12.1	9.6	7.3	10.2	73	..	2.0	..	7.9	0	2	18	1	0	1	4	0	1	1	12	8	0
	1130	,,	1014.3	982.1	..	18.6	13.0	8.3	10.9	53	..	3.5	..	9.3	0	1	21	1	1	0	7	0	0	3	10	6	0
	1430	,,	1011.7	979.9	..	21.1	13.5	7.1	10.1	42	..	3.7	..	11.4	0	6	20	1	1	1	4	2	1	9	7	2	0
	2030	,,	1012.6	980.2	..	16.9	11.9	7.7	10.5	55	..	2.0	..	10.1	0	2	22	2	1	1	4	0	1	4	11	4	0
	2330	,,	1013.4	980.8	..	14.8	11.0	7.8	10.6	63	..	2.0	..	11.1	0	4	22	0	1	3	3	0	1	1	17	2	0
Ambala (Aerodrome)	0530	274	1012.9	980.2	..	9.3	8.5	7.3	10.2	88	..	1.9	..	9.6	0	3	16	1	0	1	3	0	2	2	10	9	0
	0830	,,	1014.2	981.6	..	11.2	9.4	7.6	10.4	79		2.9	..	10.7	0	3	17	0	3	2	2	1	0	0	10	8	2
	1130	,,	1014.3	982.5	..	18.9	13.3	7.8	10.6	51	..	3.3	..	17.2	0	13	13	1	1	2	5	0	0	3	12	2	2
	1730	,,	1011.3	979.8	..	20.2	13.2	6.1	9.4	41	..	2.8	..	16.7	0	12	12	1	0	2	4	1	0	5	11	4	0
	2330	,,	1013.7	981.3	..	12.3	10.0	7.5	10.4	75	..	1.7	..	11.1	0	2	19	0	0	2	3	0	0	2	13	7	1
Patiala . . .	0830	251	1014.6	985.1	..	12.8	10.0	6.9	9.9	69	..	3.1	..	8.0	0	0	24	1	0	1	4	0	0	1	17	4	0
	1730	,,	1013.5	984.5	..	19.6	13.7	7.6	10.4	48	..	2.4	..	9.4	0	0	21	2	0	0	4	0	0	0	15	7	0
Bhatinda . .	0830	211	1017.6	990.1	..	13.4	11.3	9.2	11.6	72	..	1.5	..	1.7	0	0	16	0	1	0	3	0	0	0	12	12	0
	1730	,,	1012.4	988.0	..	20.8	15.5	10.8	12.9	54	..	1.3	..	4.0	0	0	19	2	3	0	4	0	0	0	10	9	0
Karnal . . .	0830	249	1014.4	985.0	..	13.4	11.1	8.6	11.1	73	..	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1011.4	983.0	..	21.9	15.6	9.9	12.2	50	..	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hissar . . .	0530	221	1013.2	987.5	..	10.3	9.0	7.8	10.6	85	..	1.5	..	2.0	0	0	14	0	4	3	1	0	0	2	4	14	0
	0830	,,	1015.2	988.8	−0.7	10.8	9.3	7.5	10.3	81	+16	2.8	+0.6	3.9	0	0	25	1	0	3	5	4	5	6	1	3	0
	1130	,,	1015.1	989.5	..	19.3	14.4	10.1	12.3	59	..	2.0	..	5.9	0	0	26	2	0	3	5	2	3	2	9	2	0
	1730	,,	1011.4	985.9	..	23.1	17.2	12.6	14.6	53	..	1.9	..	6.0	0	0	25	4	3	1	4	1	3	1	8	3	0
	2330	,,	1014.4	988.2	..	13.7	11.5	9.4	11.8	75	..	1.5	..	3.0	0	0	21	2	2	3	5	0	1	1	7	7	0
New Delhi (Safdarjung)	0230	216	1013.2	987.6	..	13.2	10.5	7.5	10.5	70	..	1.7	..	7.5	0	0	22	1	2	3	0	0	0	6	10	6	0
	0530	,,	1012.9	987.2	..	11.7	9.6	7.2	10.3	75	..	1.6	.	8.1	0	1	25	1	2	2	1	2	1	10	7	2	0
	0830	,,	1014.8	989.1	−0.9	12.7	10.1	7.1	10.3	70	+7	1.8	−0.6	9.6	0	3	25	1	1	2	3	1	4	12	4	0	0
	1130	,,	1014.8	989.8	..	20.3	14.0	7.9	10.7	47	..	2.4	..	15.0	0	10	18	1	1	2	2	1	4	8	9	0	0
	1430	,,	1012.0	987.2	..	23.0	14.6	6.1	9.4	36	..	2.1	..	18.2	0	13	15	1	1	3	3	0	1	7	12	0	0
	1730	,,	1011.4	986.6	..	22.3	14.5	6.6	10.2	38	..	1.9	..	13.8	0	9	19	0	2	3	4	0	0	5	14	0	0
	2030	,,	1013.1	987.9	..	17.3	12.9	8.5	11.1	57	..	1.6	..	7.4	0	1	24	2	1	4	1	0	0	6	11	3	0
	2330	,,	1013.8	988.3	..	14.9	11.5	7.9	10.7	65	..	1.5	.	7.5	0	0	24	1	1	5	0	1	0	5	11	4	0
Palam (Aerodrome) .	0230	233	1013.3	985.5		12.6	10.4	8.1	10.8	73	..	1.1	..	6.2	0	0	21	4	3	2	5	1	1	0	5	7	0
	0530	,,	1012.7	985.7	..	10.4	8.9	7.2	10.2	80	..	1.1	..	7.4	0	0	23	1	4	1	4	1	4	5	3	5	0
	0830	,,	1017.3	986.6	..	11.6	10.1	7.5	10.4	79	..	2.1	.	7.0	0	0	24	0	3	1	2	1	8	6	3	4	0
	1130	,,	1015.0	988.1	..	19.4	14.0	8.9	11.4	52	..	2.4	..	13.3	0	2	26	2	2	1	3	3	2	3	12	0	0
	1430	,,	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1012.6	984.4	..	22.9	14.4	9.2	11.6	45	..	2.1	..	12.0	0	1	27	7	0	0	4	3	0	1	13	0	0
	2030	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2330	,,	1013.8	986.4	..	14.4	11.3	8.0	10.7	67	..	1.3	..	6.7	0	0	23	5	3	0	7	1	0	1	6	5	0
Himachal Pradesh																											
Mandi . . .	0830	761	1018.5	929.1	+0.4	7.5	6.5	5.9	9.2	87	−2	3.9	+0.7	0.2	0	0	1	0	0	0	0	0	0	0	1	27	0
	1730	,,	1012.7	927.1	..	16.7	10.6	5.0	8.7	47	..	5.0	..	1.5	0	0	9	1	0	0	0	0	4	0	4	19	0
Bilaspur . .	0830	587	1017.2	948.5	..	9.9	8.5	7.2	10.2	83	..	0	.	0.7	0	0	6	0	2	0	2	0	2	0	0	22	0
	1730	,,	1011.9	945.7	..	19.4	13.1	7.8	10.6	50	..	0	..	2.6	0	0	0	0	0	0	0	0	0	0	0	28	0
Jammu and Kashmir																											
Misgar (R)	0830	..																									
(R)	1730	..																									
Gilgit (R)	0830	..																									
(R)	1730	..																									
Bakardu (R)	0830	..																									
(R)	1730	..																									

(R) Register not received.

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Jammu and Kashmir—(*Contd.*)																											
Leh	0530	3514	..	..	..	−10·5	−12·3	−19·4	1·1	47	..	3·6	..	5·2	0	0	23	5	13	0	0	3	2	0	0	5	0
	0830	,,	..	..	..	−6·7	−8·3	−13·9	1·8	57	+2	4·4	−0·9	4.2	0	0	21	2	0	0	0	15	4	0	0	7	0
	1730	,,	..	..	..	−2.0	−3.6	−8.2	3.0	55	..	4.5	..	(d) 3.9	0	0	27	0	0	0	4	11	5	4	3	0	0
Srinagar	0830	1587	1511.9	842.3	−1.5	0.8	0.3	−0.6	5.9	96	+8	6.9	+0.7	2.5	0	0	20	1	1	3	3	1	0	2	9	8	0
	1130	,,	1518.8	843.0	..	3.5	2.1	−0.2	5.9	80	..	6.4	..	3.3	0	0	26	7	1	4	3	3	0	3	5	2	0
	1430	,,	1500·6	841.2	..	5.2	3.2	0.6	6.4	74	..	6·9	..	4.3	0	0	24	2	1	2	3	2	3	2	9	4	0
	1730	,,	1496·3	840·8	..	4·6	2·8	0·3	6·3	76	..	6·8	..	6·3	0	0	27	2	1	2	3	0	1	3	15	1	0
	2030	,,	1503·1	840·0	..	3.3	2·2	0·7	6·4	84	..	5·9	..	3·6	0	0	20	6	0	1	2	1	0	0	10	8	0
Srinagar (Aerodrome)	0530	1666	1499·2	833·0	..	0	−0·6	−1·3	5·4	90	..	5·7	..	0·6	0	0	2	0	0	1	0	0	0	0	1	26	0
	0830	,,	1510·7	833·8	..	0·3	−0·4	−1·7	5·3	87	..	6·5	..	3·4	0	0	15	0	1	0	2	2	2	2	6	13	0
	1130	,,	1514.2	834·7	..	3·5	2·4	0·9	6·5	84	..	(e) 5·7	..	3·5	0	0	15	1	3	2	2	0	2	1	4	13	0
	1730	,,	1499·0	832·9	..	4·1	2·7	0·9	6·5	79	..	6.4	..	5·1	0	0	14	1	2	0	0	0	0	2	9	14	0
	2330	,,	1504·6	833·6	..	1·5	0·8	−0·3	5·9	88	..	5·8	..	1·1	0	0	5	0	0	0	0	0	1	1	3	23	0
Gulmerg	0830	2655	Closed during winter months																								
	1730	,,																									
Qazigund	0830	1690	..	..	..	0·2	0·3	−0·6	5·5	91	..	6·5	..	1·7	0	0	13	0	0	0	8	3	2	2	1	15	0
	1730	,,	..	..	..	4·5	2·4	−0·4	5·9	73	..	6·6	..	2.9	0	0	19	1	0	1	5	1	9	0	2	9	0
Banihal	0830	..	..	..	..	1·8	0·5	1·8	6·9	78	..	4·7	..	3·3	0	1	7	1	0	0	1	0	0	0	6	20	0
	1730	..	..	..	..	6·7	3·3	1·3	6·7	61	..	5·9	..	2·8	0	0	11	0	0	0	1	2	0	0	8	17	0
Jammu	0830	366	..	..	..	11·5	9·0	5·9	9·2	70	+4	3·7	+0·6	7·3	0	0	25	4	8	0	1	0	0	0	1	3	11
	1730	,,	..	..	..	17·3	12·9	8·9	11·4	59	..	2·8	..	2·6	0	0	13	0	0	0	0	0	0	0	0	15	13
Jammu (Aerodrome)	0530	292	1013·6	978·8	..	10·5	8·6	6·4	9·6	75	..	3·4	..	4·8	0	0	18	2	14	1	1	0	0	0	0	10	0
	0830	,,	1014·7	979·8	..	11·2	9·3	7·1	10·0	76	..	4·1	..	4·7	0	0	16	2	11	0	1	0	0	1	1	12	0
	1130	,,	1015·3	982·5	..	16·7	12·6	8·1	10·7	59	..	4·3	..	6·6	0	1	19	2	3	3	2	3	2	5	0	8	0
	1730	,,	1012·7	978·8	..	17·9	13·2	9·3	11·7	57	..	4·7	..	7·1	0	0	22	1	5	1	0	1	2	8	4	6	0
	2330	,,	1014·5	979·9	..	12·7	10·1	8·0	10·7	73	..	3·3	..	7·8	0	3	14	1	11	3	2	0	0	0	0	11	0
Rajasthan (West)																											
Ganganagar	0530	177	1013·2	992·0	..	10·1	7·9	5·4	9·0	70	..	1·2	..	1·9	0	0	9	0	7	1	1	0	0	0	0	19	0
	0830	,,	1014·7	993·5	−1·1	10·4	8·2	5.6	9·1	73	+3	1·3	−0.6	2·0	0	0	12	0	2	7	2	0	0	1	0	16	0
	1130	,,	1015·2	994·7	..	20.0	12·9	5·8	9·2	39	..	2·1	..	7.4	0	1	27	4	4	3	5	2	4	2	4	0	0
	1730	,,	1011·6	991·4	..	22·7	13.3	2·9	7·5	29	..	1·9	..	4·6	0	0	27	8	5	2	2	0	1	2	7	1	0
	2330	,,	1014·0	992·9	..	13·6	10·0	5·8	9·2	60	..	1·7	..	4·1	0	0	17	2	6	7	1	0	0	0	1	11	0
Anupgarh (R)	0830	154																									
(R)	1730	,,																									
Mahajan	0830	187	1013·4	991·2	..	12·7	9·4	5·5	9·0	63	..	0	..	4·0	0	0	27	3	3	9	2	4	5	1	0	1	0
	1730	,,	1009·5	988·0	..	23·7	16·5	9·7	13·0	45	..	0	..	4·2	0	0	28	6	2	8	1	0	3	1	7	0	0
Churu	0830	291	1015·4	980·8	..	11·2	6·8	0·6	6·3	51	..	1·5	..	3·7	0	0	23	0	0	10	3	5	3	2	0	5	0
	1730	,,	1011·0	978·1	..	24·1	12·2	−5·3	4·5	17	..	1·5	..	9·7	0	3	24	16	1	1	0	2	0	2	5	1	0
Bikaner	0830	224	1014·7	987·7	−1·4	11·8	6·7	−0·6	5·8	45	−14	0·4	−1·8	2·1	0	0	22	1	2	8	5	1	3	2	0	6	0
	1730	,,	1011·4	985·3	..	25·5	13·4	−1·6	6·9	19	..	0·4	..	5·6	0	1	26	8	4	1	2	0	3	4	5	1	0
Bikaner PBO	0530	224	1013·1	986·3	..	10·1	6·4	1·2	6·7	55	..	1·5	..	1·4	0	0	4	1	0	0	1	1	1	0	0	24	0
	1130	,,	1014·7	989·0	..	22·6	12·9	1·8	6·9	27	..	1·0	..	5·4	0	0	24	1	6	1	7	4	4	1	0	4	0
	2330	,,	1013·3	987·0	..	15·6	9·8	1·9	7·3	42	..	1·1	..	3·5	0	1	10	6	3	0	0	1	1	0	0	17	0
Nagaur	0830	298	1014·8	980·2	..	18·6	12·4	5·9	9·3	45	..	1·0	..	7·6	0	1	26	4	5	7	7	2	2	0	0	1	0
	1730	,,	1010·5	976·6	..	25·0	16·7	9·7	12·0	40	..	1·0	..	6·2	0	0	28	8	3	1	1	2	4	1	8	0	0
Phalodi	0830	234	1014·3	986·6	..	13·0	8·4	2·3	7·2	50	..	1·9	..	8·0	0	1	24	2	0	5	7	7	4	0	0	3	0
	1730	,,	1011·4	985·0	..	26·5	15·1	3·3	7·7	24	..	0·8	..	11·4	0	5	23	4	3	1	0	0	6	7	7	0	0
Jaisalmer	0830	242	1013·6	985·3	..	14·0	9·0	3·1	7·6	47	..	0·8	..	8·7	0	1	23	7	4	1	1	6	3	2	0	4	0
	1730	,,	1009·8	982·7	..	26·7	19·6	14·6	16·6	49	..	1·3	..	13·4	0	3	23	7	4	0	1	6	4	2	2	2	0
Jodhpur	0230	224	1012·6	986·3	..	15·7	9·7	1·1	6·6	39	..	0·7	..	7·6	0	0	24	6	11	0	0	1	1	5	0	4	0
	0530	,,	1012·5	986·1	..	14·0	8·5	0.8	6.5	43	..	0·5	..	6·9	0	0	23	6	14	0	0	0	1	2	0	5	0
	0830	,,	1014·4	987·9	0	14.8	8.9	0.4	6.3	40	−7	0.8	−1.4	7.6	0	0	24	3	15	1	0	1	2	2	0	4	0
	1130	,,	1014.5	988.8	..	23.3	13.2	0.6	6.4	26	..	0.6	..	9·4	0	2	25	0	5	9	3	2	7	1	0	1	0
	1430	,,	1011.2	985.9	..	27.5	14.5	−1·1	5.6	17	..	1.0	..	11·3	0	2	25	1	6	3	2	1	5	5	4	1	0
	1730	,,	1010.3	985.1	..	27.0	14.4	−0.6	5.8	19	..	1.0	..	9·3	0	1	24	3	4	4	0	0	4	6	4	3	0
	2030	,,	1012.0	986.3	..	21.2	12.6	2.5	7.3	31	..	0.9	..	5·3	0	0	20	5	5	1	0	1	3	4	1	8	0
	2330	,,	1012.9	986.8	..	18.6	11.1	1.6	6·9	31	..	0.8	..	7·0	0	0	26	7	9	1	0	1	2	5	1	2	0

(R) Register not received.

(e) Mean of 26 days.

(d) Mean of 27 days.

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Rajasthan (West) *Contd*																											
Barmer	0530	194	1011.6	988.8	..	15.7	10.4	3.7	8.4	47	..	0	..	5.4	0	0	23	4	1	0	1	1	3	3	10	5	0
	0830	,,	1013.3	990.5	−1.2	15.7	10.5	4.0	8.6	48	−10	0·5	−1.6	5.3	0	0	17	3	0	0	0	0	2	1	11	11	0
	1130	,,	1013.7	991.5	..	24.6	15.6	7·1	10.4	34	..	0.5	..	4.7	0	0	23	2	5	2	5	2	1	2	4	5	0
	1730	,,	1009.8	987.9	..	27.8	16.8	6.7	10.2	27	..	0.3	..	4.9	0	0	25	2	3	1	2	0	3	4	10	3	0
	2330	,,	1012.0	989.6	..	20.5	12.6	3.6	8.3	34	..	0.2	..	5.4	0	0	25	1	1	1	2	0	2	5	13	3	0
Munabao	0830	80	1015.2	1006.0	..	12.5	10.0	6.8	10.3	71	..	0	..	(g) 3.2	0	0	19	1	12	0	0	2	3	1	0	5	0
	1730	,,	1011.9	1002.8	..	28.9	20.5	13.9	17.3	44	..	0	..	(f) 8.1	0	2	23	4	9	0	0	2	7	1	2	0	0
Rajasthan (East)																											
Pilani	0830	301	1015.6	979.9	..	11.6	8.2	3.9	8.1	61	..	1.8	..	6·5	0	1	23	0	0	2	6	5	7	4	0	4	0
	1730	,,	1011.5	977.3	..	23.3	12.9	0.7	6.4	24	..	1.6	..	11.0	0	3	25	9	3	1	2	0	2	3	8	0	0
Sikar	0830	433	1014.7	964.4	..	14.5	10.5	6.1	9.4	58	..	0.9	..	0.7	0	0	10	0	1	1	6	0	0	0	2	18	0
	1730	,,	1010.7	962.2	..	23.9	17.5	12.7	14.7	50	..	1.0	..	1.0	0	0	14	0	3	0	0	0	0	2	9	14	0
Alwar	0830	271	1013.7	982.0	..	13.6	11.1	8.4	11.0	72	..	2.4	..	1.4	0	0	12	1	2	1	0	2	3	1	1	16	1
	1730	,,	1010.8	979.9	..	23.5	15.5	8.5	10.9	37	..	2.0	..	1·7	0	0	19	4	5	1	2	0	1	0	6	9	0
Jaipur (Sanganer)	0230	390	1012.7	967.2	..	13.8	9.3	2.6	7.4	52	..	0.1	..	5.5	0	1	16	2	6	6	0	0	0	1	2	11	0
	0530	,,	1012.7	967.0	..	12.6	8.6	3.5	7.9	57	..	0.4	..	4.4	0	0	18	3	5	7	0	0	0	1	2	10	0
	0830	,,	1014.3	968.9	+1.6	14.6	9.9	4.0	8.1	51	+3	1.2	−0.9	3.6	0	0	14	0	4	6	1	1	0	0	2	14	0
	1130	,,	1014.1	969.8	..	22.5	13.1	2.7	7.4	30	..	0.9	..	7.6	0	1	23	2	2	6	6	2	1	3	2	4	0
	1430	,,	1010.7	967.0	..	25.2	14.2	1.9	7.0	23	..	1.1	..	9.6	0	1	26	3	2	2	4	1	3	6	6	1	0
	1730	,,	1010.1	966.2	..	24.1	13.6	1.4	6.8	25	..	0.9	..	5.7	0	1	20	2	1	1	2	1	0	3	11	7	0
	2030	,,	1012.3	967.4	..	18.0	11.6	4.1	8.2	42	..	0.8	..	6.3	0	2	18	7	6	3	0	0	1	1	2	8	0
	2330	,,	1013.1	967.9	..	15.7	10.3	3.6	7.9	46	..	0.5	..	5.5	0	1	22	5	9	5	0	0	1	1	2	5	0
Dholpur	0830	176	1014.4	993.6	..	14.3	10.7	6.6	9.7	61	..	1.2	..	1.8	0	0	16	1	1	0	4	2	0	4	4	12	0
	1730	,,	1010.3	990.3	..	24.4	14.9	5.7	9.2	30	..	0.4	..	2.0	0	0	13	5	2	0	0	0	0	0	6	15	0
Ajmer	0830	486	1015.3	958.8	−1·2	13.2	8.5	3.2	7.7	52	0	1.4	−0.3	2.9	0	1	15	3	6	1	1	1	1	2	1	12	0
	1730	,,	1009·8	955.7	..	24.8	12.8	−0.2	6.0	20	..	0.7	..	7.1	0	2	26	4	4	0	2	1	4	8	5	0	0
Tonk	0830	272	1014.0	982.1	..	13.1	9.8	6.1	9.4	63	..	1.1	..	6.0	0	0	27	5	2	1	2	2	0	4	11	1	0
	1730	,,	1009.4	978.8	..	25.1	15.9	7.7	10.5	32	..	1.0	..	5.7	0	0	28	3	1	1	0	0	3	6	14	0	0
Bhilwara	0830	425	1015.1	965.8	..	15.3	9.4	1.9	7.0	41	..	1.6	..	4.1	0	0	21	4	4	2	1	3	6	1	0	7	0
	1730	,,	1009.8	962.6	..	25.5	13.4	−1.7	5.3	17	..	1.2	..	6.0	0	0	24	5	3	2	1	0	4	3	6	4	0
Kota	0830	257	1014.8	984.8	−1.2	16.5	11.6	6.4	9.7	52	+4	0.9	−0.9	2.0	0	0	13	2	2	2	1	0	1	3	2	15	0
	1730	,,	1010.1	981.1	..	25.8	15.5	5.9	9.3	28	..	0.8	..	5.8	0	2	16	4	3	0	1	0	1	2	7	10	0
Kota (Aerodrome)	0530	274	1012.7	780.5	..	14.4	8·9	1·5	7.0	43	..	0.4	..	8.6	0	0	28	0	4	5	1	0	7	11	0	0	0
	0830	,,	1014.7	982.8	..	16.8	10.5	2.8	7.5	41	..	0.6	..	6.0	0	0	26	0	2	7	1	0	2	10	4	2	0
	1130	,,	1014.6	983.5	..	23.1	14.0	3.6	8·5	30	..	0.7	..	8.6	0	1	26	1	3	16	1	0	2	4	0	1	0
	1730	,,	1010.0	979.3	..	27.0	14.7	1.2	6.6	19	..	1.2	..	13.4	0	4	24	9	9	2	0	0	3	3	2	0	0
	2330	,,	1013.0	981.3	..	18.4	10.7	0.8	6.7	33	..	1.0	..	9.4	0	0	28	1	3	2	1	3	12	4	2	0	0
Erinpura (Jawal Dam)	0830	295	1014.4	980.0	..	15.2	11.8	8.4	11.0	65	..	0·8	..	3.0	0	0	12	0	0	0	0	11	0	1	0	16	0
	1730	,,	1010.3	977.1	..	25.8	18.5	13.2	15.1	48	..	0.9	..	3.0	0	0	14	0	2	0	2	1	3	4	1	14	1
Chambal (Rawat Bhatta Dam)	0830	351	1015.1	974.5	..	15.1	10.2	4.6	8.5	52	..	0.5	..	2.3	0	0	11	2	3	1	0	2	0	2	1	17	0
	1730	,,	1009.3	970.6	..	26.6	15.1	3.4	7.8	23	..	0.6	..	8.2	0	3	25	4	8	1	1	0	2	3	9	0	0
Udaipur	0230	582	1013.9	946.7	..	12.8	9.5	6.1	9.4	65	..	0.1	..	0.1	0	0	1	0	0	0	0	0	1	0	0	27	0
	0530	,,	1014.0	946.4	..	11.4	8.7	5.7	9.1	69	..	0.2	..	0	0	0	0	0	0	0	0	0	0	0	0	28	0
	0830	,,	1015.3	948.2	−1.4	13.9	10.0	5.9	9.3	59	+9	0.4	−1.0	0.2	0	0	1	0	0	0	0	0	0	0	1	27	0
	1130	,,	1013.9	949.0	..	23.6	14.6	6.9	9.9	35	..	0.4	..	4.4	0	0	19	0	2	11	0	1	3	2	0	9	0
	1730	,,	1009·6	945.4	..	25.3	15.1	6.6	9.7	31	..	0.6	..	4.6	0	0	14	0	2	1	0	2	6	3	0	14	0
	2330	,,	1014.1	947.3	..	14.7	10.7	6.8	9.9	60	..	1·0	..	1.0	0	0	4	0	0	1	0	0	1	1	1	24	0
Jhalawar	0830	321	1014·5	977.1	−0.8	15.3	10.1	4.4	8.4	48	−4	0.6	−0.9	2.6	0	0	14	3	2	1	2	1	2	1	2	14	0
	1730	,,	1009.2	973.8	..	27.4	15.1	2.0	7.1	20	..	0.6	..	7.7	0	0	27	5	6	2	0	0	5	5	4	1	0
Banaswara	0830	220	1014.1	988.6	..	18.2	11.7	4.1	8.2	42	..	0	..	6.0	0	0	25	0	2	9	9	1	3	1	0	3	0
	1730	,,	1009.5	984.7	..	29.5	15.8	1.4	6.8	17	..	0	..	5.4	0	0	26	2	2	1	1	1	3	7	9	2	0
Madhya Pradesh (West Gwalior	0230	207	1013.1	988.5	..	11.4	8.1	4.6	8.2	63	..	1.4	..	1.0	0	0	8	3	0	0	0	3	1	1	0	20	0
	0530	,,	1013.1	988.3	..	10.3	7.7	4.6	8.4	69	..	1.1	..	1.6	0	0	14	2	0	1	4	3	3	0	1	14	0
	0830	,,	1014.6	990.3	−1.3	15.5	10.7	5.1	9.0	51	−5	1.0	−0.7	3.3	0	0	17	3	1	0	4	1	1	2	5	11	0
	1130	,,	1014.4	990.8	..	23.5	13.7	3.1	7.8	28	..	1.5	..	8·3	0	0	28	5	6	0	3	6	0	1	7	0	0
	1430	,,	1011.3	987.9	..	26.4	14.4	1.1	6.7	20	..	1.6	..	9.1	0	1	26	7	3	1	2	0	0	1	13	1	0
	1730	,,	1010.7	987.3	..	25·0	14.3	2.6	7.6	24	..	1.9	..	7.2	0	0	27	10	3	1	0	2	1	0	10	1	0

(f) Mean of 29 days

(g) Mean of 24 days

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh (West)—(*Contd.*)																											
Gwalior	2030	207	1012·7	988·6	..	17·5	11·6	5·3	8.8	45	..	1.1	..	2·9	0	0	14	5	1	1	2	1	1	0	3	14	0
	2330	,,	1013·5	989·1	..	13·7	9·8	4·9	9.0	57	..	1·3	..	1·9	0	0	11	1	2	1	1	4	1	0	1	17	0
Sheopur	0830	235	1014.7	987·1	—0·6	14·0	9·3	3 6	7.9	49	—9	0·8	—1·2	4·4	0	0	23	3	5	2	5	5	1	1	1	5	0
	1730	,,	1010·2	983·6	..	26·7	14·7	1·2	7.0	20	..	1·2	..	9·7	0	2	26	13	0	0	0	1	4	6	4	0	0
Shivpuri	0830	464	1014·4	960·8	..	16·0	9·8	3·1	7·6	44	..	0·5	..	4·2	0	0	18	1	5	1	4	2	2	2	0	10	1
	1730	,,	1010·1	958·3	..	24·6	12·9	0·4	6·4	21	..	1·1	..	4·9	0	0	23	2	5	1	1	0	0	2	12	5	0
Nowgong	0830	229	1015·6	987·9	—1·0	13·7	10·1	5·9	9·5	61	—5	1·0	—1·1	1.4	0	0	10	0	2	1	0	2	4	1	0	18	0
	1730	,,	1010·5	984 8	..	26·6	14·9	2·5	7·5	23	..	1·0	..	2·8	0	0	25	3	0	0	0	0	3	3	16	3	0
Guna	0530	478	1013·7	957·7	..	11·1	8·7	5·5	9·5	69	..	0·5	..	4·7	0	1	22	1	4	2	11	3	0	1	1	5	0
	0830	,,	1015·0	959·8	—0·6	15·7	11·4	7·5	10·4	59	+2	0·7	—0·5	4·5	0	0	27	0	5	7	7	7	0	1	0	1	0
	1130	,,	1013·7	960·2	..	24·1	17·1	11·8	14·4	48	..	1·1	..	9·1	0	3	25	2	3	3	3	2	4	4	4	0	3
	1730	,,	1009·7	956·6	..	25·8	17·4	11·2	13·7	42	..	0·6	..	11·9	0	3	25	3	1	2	0	2	2	7	11	0	0
	2330	,,	1013·7	958·6	..	15·7	11·4	7·4	10·7	59	..	0·4	..	5·3	0	1	21	4	2	2	5	1	1	4	3	6	0
Nimach	0830	496	1015·4	958 2	—0.7	15·6	8·7	—0·1	6·3	36	—11	0·7	—0·7	4·1	0	0	23	1	12	3	3	1	1	2	0	5	0
	1730	,,	1010·8	955·6	..	26·4	12·9	—2·7	5·0	15	..	0·3	..	10.0	0	2	26	4	7	2	0	0	5	6	2	0	2
Rajgarh	0830	382	1015·5	970·9	..	13·9	8·8	2·2	7·2	45	..	0·5	..	3·5	0	0	22	4	3	3	6	5	0	1	0	6	0
	*1730	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sagar	0830	551	1014·3	951·5	—0·8	17·9	11·0	3·7	8·1	41	—5	0·4	—1·2	4·5	0	0	23	0	0	1	1	0	2	10	9	5	0
	1730	,,	1009·5	948·6	..	25·3	13·5	1·3	6·9	22	..	1·0	..	2·9	0	0	26	1	6	2	0	0	3	4	10	2	0
Ratlam	0830	486	1014·6	958·8	—0·4	16·7	11·2	5·7	9·3	49	—1	1·2	—0·3	9·1	0	3	23	2	10	8	0	2	3	1	0	2	0
	1730	,,	1009·2	955·6	..	27·5	16·5	8·0	10·7	29	..	0·5	..	11·1	0	1	27	2	8	1	1	0	7	7	2	0	0
Bhopal (Bairagarh)	0230	523	1012·2	952·3	..	16·1	9·7	2·4	7·3	41	..	0·3	..	7·9	0	0	26	6	10	1	3	1	1	3	1	2	0
	0530	,,	1012·9	952·4	..	14·0	8·8	2·5	7·6	47	..	0·8	..	5·4	0	0	23	5	9	1	1	1	3	3	0	5	0
	0830	,,	1014·5	954·8	—0·7	17·8	10·7	3·0	7·7	39	—9	0·9	—0.6	8·7	0	1	25	1	8	5	2	3	2	2	3	2	0
	1130	,,	1013·2	955·0	..	24·7	13·9	3·5	8·0	27	..	0·8	..	10·0	0	3	24	2	6	6	4	4	2	1	2	1	0
	1430	,,	1009·5	951·9	..	27·3	14·5	2·0	7·2	20	..	1·2	..	10·6	0	5	19	2	4	3	1	2	4	4	4	4	0
	1730	,,	1009·0	951.3	..	26·5	14·4	2·1	7·6	23	..	1·1	..	11·4	0	5	22	6	5	2	0	0	1	7	6	1	0
	2030	..	1012·3	953·0	..	20·6	12·2	3·4	8·0	34	..	0·7	..	5·1	0	0	22	5	6	2	3	1	1	2	2	6	0
	2330	,,	1012·9	953·2	..	17·9	10·7	2·7	7·6	37	..	0·5	..	6·4	0	0	25	7	5	2	3	2	2	2	2	3	0
Ujjain	0830	489	1014·8	958·4	..	15·5	10·3	4·8	8·8	51	..	0·9	..	5·8	0	1	21	1	3	6	6	2	1	1	1	6	1
	1730	,,	1009·2	955·3	..	27·6	15·4	4·6	8·6	23	..	0 6	..	13 6	0	9	18	3	6	0	0	0	1	9	6	1	2
Narsinghpur	0830	356	1014·9	973.5	..	16·1	11·0	5·4	9·0	51	..	0·3	..	1·9	0	0	25	0	15	0	5	0	0	0	5	3	0
	1730	,,	1009·2	969·7	..	27·4	16·0	5.1	9·0	25	..	1·1	..	2·1	0	0	23	1	9	0	1	0	5	0	7	5	0
Hoshangabad	0830	302	1014·5	979·3	—1.2	16·6	13·1	9·2	12·3	65	+14	0·5	—0.9	3·9	0	0	28	1	6	0	11	10	0	0	0	0	0
	1730	,,	1009·5	975·8	..	27·8	19·8	13·9	16 6	45	..	0·7	..	3·6	0	0	28	1	9	0	10	1	4	3	0	0	0
Indore	0530	567	1012·8	947·3	..	12·9	8·2	2·8	7·5	51	..	0·3	..	7·0	0	1	22	0	7	5	0	1	9	1	0	5	0
	0830	,,	1014.5	949·6	—1.1	16·3	10·4	4·0	8·4	45	—1	0·3	—1.0	7·1	0	1	20	0	7	4	0	0	7	3	0	7	0
	1130	,,	1012·8	949·9	..	25·2	14.4	4·3	8·5	28	..	0·3	..	14 7	0	9	19	1	2	9	2	2	5	3	0	0	4
	1730	,,	1008·4	946·3	..	27·3	14·8	2·6	7·7	21	..	0·3	..	15·1	0	8	19	4	8	1	0	0	9	4	1	1	0
	2330	,,	1013·1	948·4	..	16·1	9·6	2·3	7·3	41	..	0	..	8·4	0	0	26	4	10	0	0	2	7	3	0	2	0
Rajpur (Jhabua)	0830	293	1014·5	980·5	..	16·8	11·6	5·1	9·5	50	..	0·6	..	1·9	0	0	7	0	1	1	0	0	0	5	0	21	0
	1730	,,	1009·0	976·5	..	29·6	16·1	2·2	7·4	18	..	0·1	..	3·5	0	0	19	0	1	3	0	0	1	12	2	9	0
Chhindwara	0830	685	1014·7	937·0	—0·3	16·5	11·2	5·8	9·5	51	—2	0·3	—1.0	3·4	0	0	13	3	3	2	0	2	0	2	1	15	0
	1730	,,	1008·2	933·4	..	26·2	15·4	6·0	9·6	29	..	0·8	..	8·5	0	0	27	5	0	4	1	3	0	9	5	1	0
Seoni	0830	619	1015·0	944·9	—0.5	18·0	12.3	7·1	10·1	51	—2	0·9	—0.7	4·6	0	0	23	4	5	2	4	1	5	2	0	5	0
	1730	,,	1009·3	941·5	..	26·9	16·3	7·9	10·8	31	..	1·1	..	8·4	0	1	27	3	3	4	4	5	3	4	2	0	0
Betul	0830	653	1014·1	940·3	—0·2	18·0	11·0	3·3	8·1	40	—8	0·4	—0·9	3·5	0	0	20	0	5	6	6	0	0	2	1	8	0
	1730	,,	1008·1	936·9	..	27·3	14.6	2·2	7·5	20	..	0·9	..	6·7	0	0	28	8	4	1	4	0	1	4	6	0	0
Khandwa	0830	318	1014·2	977·5	—0·8	18.1	11·6	3·8	8·4	41	—4	0·3	—0·8	2·8	0	0	21	0	10	2	0	2	1	4	2	7	0
	1730	,,	1008·6	973·4	..	30·2	17·1	4·8	8·8	21	..	0·5	..	4·4	0	0	28	1	9	0	1	2	4	3	8	0	0
Madhya Pradesh (East)																											
Satna	0530	317	1013·1	975·8	..	12.3	9·2	5·7	9·1	64	..	1·1	..	1·3	0	0	16	2	3	3	4	3	0	1	0	12	0
	0830	,,	1014·7	977·9	—0.7	16·6	11·7	6·4	8·8	52	—7	1·0	—0.9	1·0	0	0	14	0	2	3	1	3	0	3	2	14	0
	1130	,,	1013·9	978·0	..	24·6	15·2	6·8	9·7	33	..	0·7	..	2·8	0	0	20	1	3	5	4	2	1	3	1	8	0
	1730	,,	1010 1	974·5	..	25·2	15·8	7·2	10·2	32	..	1·1	..	1·6	0	0	21	6	0	9	0	0	0	5	1	7	0
	2330	,,	1013·5	976.6	..	16·0	11·2	5·9	9·5	52	..	1·1	..	1·1	0	0	12	2	2	3	3	1	0	1	0	16	0
Rewa	0830	299	1014·5	979·7	..	15·8	12·1	8·4	11·0	62	..	0·9	..	3·0	0	0	19	0	2	1	1	1	5	8	1	9	0
	1730	,,	1010·2	976·6	..	25·8	16·8	9 0	11·9	36	..	1·2	..	4·5	0	0	25	7	1	0	1	0	0	6	10	3	0

*Data not available.

ib-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh (East)—(*Contd.*)																											
Sidhi	0830	272	1014·1	982·3	..	14·6	11·3	7·4	10·7	64	..	0·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1009·1	978·5	..	25·4	16·1	7·3	10·7	33	..	1·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Umaria	0830	459	1015·0	962·0	..	15·6	12·1	9·1	11·5	66	+4	0·6	—1·5	2·3	0	0	15	0	1	3	2	2	5	0	0	13	2
	1730	,,	1009·6	958·7	..	26·0	18·5	13·8	15·9	47	..	1·1	..	3·0	0	0	27	5	1	0	0	2	1	1	9	1	8
Jabalpur	0530	393	1013·0	967·2	..	13·0	10·2	7·0	10·2	68	..	0·6	..	0·8	0	0	5	4	0	0	0	1	0	0	0	23	0
	0830	,,	1014·9	969·6	—0·2	17·4	12·1	6·6	9·8	50	+10	0·5	—1·1	2·8	0	0	20	1	3	0	5	7	1	2	1	8	0
	1130	,,	1013·5	969·5	..	25·4	15·4	6·5	9·4	31	..	0·7	..	5·1	0	0	25	2	5	1	5	5	1	2	4	3	0
	1430	,,	1009·9	966·5	..	28·3	16·3	4·8	8·8	23	..	1·2	..	6·2	0	0	26	6	5	0	2	1	2	5	5	2	0
	1730	,,	1009.4	965·8	..	27·1	16·0	5·7	9·1	26	..	1·4	..	4·1	0	0	24	7	5	0	1	0	2	5	4	4	0
	2330	,,	1013·1	967·9	..	17·4	12·4	7·2	10·4	53	..	0·6	..	3·3	0	0	18	1	7	1	3	5	1	0	0	10	0
Ambikapur	0830	611	1015·2	945·4	—0·4	15·7	11·8	8·4	11·0	63	—2	0·9	—0·2	3·6	0	0	15	4	4	0	0	2	5	0	0	13	0
	1730	,,	1009·2	941·8	..	25·1	14·4	5·4	8·7	31	..	0·8	..	5·5	0	0	28	11	3	1	1	0	4	4	4	0	0
Jashpur Nagar	0730	*779	1014·7	926·9	..	15·9	11·6	7·4	10·5	58	..	1·0	..	1·3	0	0	13	2	7	0	1	0	1	0	2	15	0
	1730	,,	1009 6	924·4		23·6	14·1	5·2	9·1	32	..	1·3	..	4·7	0	0	28	3	3	1	0	1	8	4	8	0	0
Pendra	0530	625	1013·2	941 7	..	14·3	9·9	5·3	8·9	56	..	0·4	..	4·1	0	0	19	8	1	0	0	3	1	2	4	9	0
	0830	,,	1014·7	944·0	—0·7	17·8	11·8	5·9	9·5	47	—12	0·9	—1·0	4·6	0		18	9	1	0	1	2	2	1	2	9	1
	1130	,,	1013·1	943·9	..	24·0	14·4	5·7	9·4	31	..	1·1	..	11·1	0	5	23	7	5	0	1	8	2	2	2	0	1
	1430	,,	1009·4	940·9	.	26·1	15·1	5·5	9·1	27	..	1·3	..	14·0	0	9	19	9	3	0	0	5	5	2	4	0	0
	1730	,,	1009·6	940·7	..	24·3	14·7	6·1	9·7	32	..	1·0	..	7·8	0	0	26	13	1	0	0	5	5	0	2	2	0
	2330	,,	1013·4	942·6	..	17·2	11·3	5·6	9·7	47	..	0·7	..	5·0	0	2	21	6	0	0	1	2	4	2	7	5	0
Mandla	0830	443	1015·1	964·0	—0·5	15·6	11·5	7·0	10·2	58	—16	0·7	—0·9	0·1	0	0	1	1	0	0	0	0	0	0	0	27	0
	1730	,,	1009·3	960·2	..	26·2	15·3	4·5	8·5	27	..	1·4	..	2·9	0	0	16	7	0	0	0	4	0	0	5	12	0
Champa	0830	245	1014·5	986·0	—0·3	18·7	13·5	8·6	11·2	53	—6	0·6	—0·9	3·9	0	0	22	14	3	2	0	0	0	0	3	6	0
	1730	,,	1009.7	982·3	..	27·9	16·7	6·7	9·9	26	..	1·2	..	4·6	0	0	25	10	0	0	0	2	2	7	4	3	0
Raigarh	0830	220	1014.5	989·1	0	20·8	14·5	8·6	11·4	47	—6	0·9	—0·4	3·8	0	0	28	0	25	1	1	1	0	0	0	0	0
	1730	,,	1009·5	984·8	..	28·1	17.2	7·6	10 8	29	..	0·9	..	2·6	0	0	23	2	15	0	2	0	1	1	1	5	1
Raipur	0530	298	1012·3	977·4	..	16·8	13·1	9·6	12·1	63	..	0·6	..	4·2	0	0	19	3	4	0	3	4	3	0	2	9	0
	0830	,,	1014·3	980·0	—0·6	20·3	14·6	9·4	12·0	51	—5	1·0	—0·6	5·9	0	0	24	5	8	1	0	2	3	1	4	4	0
	1130	,,	1013·3	979·8	..	27·0	17·1	8·6	11·5	33	..	0·7	..	8·7	0	0	27	2	7	3	5	0	4	4	2	1	0
	1430	,,	1009·7	976·6	..	29·7	18·0	8·2	11·2	27	..	1·1	..	8·9	0	1	26	5	5	1	5	0	3	5	3	1	0
	1730	,,	1009·4	976·5	..	28·4	17·4	8·2	10·9	29	..	1·0	..	6·3	0	0	24	7	5	2	1	1	4	2	2	4	0
	2330	,,	1012·0	978·0	..	21·5	15·2	9·6	12·2	48	..	0·9	..	6·2	0	0	27	4	5	3	5	5	3	2	0	1	0
Kanker	0530	402	1013·9	968·3	—0·4	21·0	16·8	13·6	15·7	63	—5	0·4	—1·4	0·6	0	0	3	0	0	0	0	0	3	0	0	25	0
	1730	,,	1008·8	964·5	..	28·3	20·6	15·5	17·9	47	..	0·5	..	1·8	0	0	12	0	0	0	0	0	5	0	7	16	0
Jagdalpur	0530	553	1011·7	948·9	..	16·0	13·5	11·5	13·6	75	..	0·5	..	0·6	0	0	3	0	0	0	1	2	0	0	0	25	0
	0830	,,	1013·4	951·2	—1·1	20·4	15·8	12·6	14·6	61	—10	1·1	—0·5	0·9	0	0	6	0	2	0	0	3	0	0	1	22	0
	1130	,,	1011·3	950·8	..	27·8	17·5	10·1	12·4	33	..	1·2	..	8·9	0	2	25	4	6	2	1	2	7	3	2	1	0
	1730	,,	1007·7	947·5	..	28·3	17·2	8·8	11·5	30	..	2·7	..	8·0	0	0	23	2	4	0	2	6	5	1	3	5	0
	2330	,,	1011·7	949·7	..	20·5	15·3	11·5	13·6	57	..	0·6	..	1·1	0	0	6	2	0	0	0	2	1	1	0	22	0
Gujarat Region (Including Daman, Dadra and Nagar Haveli)																											
Deesa	0830	136	1014·2	998·1	—1·0	14·9	10·0	3·8	8·3	49	..	0·5	..	4·4	0	0	26	0	19	0	6	0	1	0	0	2	0
	1730	,,	1010·6	995·2	..	28·8	15·3	—0·4	6·5	17	..	0·4	..	8·3	0	0	28	0	5	0	1	0	10	0	12	0	0
Radhanpur	0830	30	1014·0	1010·4	..	16·4	13·2	10·2	12·6	68	..	0	..	3·9	0	0	26	1	5	3	5	0	10	0	2	2	0
	1730	,,	1010·4	1007·0	..	29·3	20·7	14·9	17·4	43	..	0	..	5·6	0	0	27	2	6	0	2	1	7	3	6	1	0
Idar	0830	219	1013·7	988·3	..	18·9	11·7	2·0	8·0	39	..	0·5	..	3·0	0	0	14	0	6	6	1	0	0	1	0	14	0
	1730	,,	1009·7	985·2	..	28·5	15·6	1·4	7·3	19	..	0·1	..	4·1	0	0	25	2	0	1	0	0	0	20	2	3	0
Ahmedabad	0230	55	1011·7	1005·2	..	17·6	11·9	5·4	9·3	47	..	0	..	7·5	0	0	22	4	6	2	1	0	0	5	4	6	0
	0530	,,	1011·5	1005·0	..	15·7	11·2	5·7	9·7	54	..	0·3	..	6·4	0	0	19	2	7	4	0	0	0	4	2	9	0
	0830	,,	1013·7	1007·1	—1·5	17·5	11·9	5·1	9·4	49	—7	0·1	—1·1	7·8	0	1	17	0	3	7	0	1	0	5	2	10	0
	1130	,,	1014·3	1008·0	..	26·7	15·9	5·1	9·3	28	..	0·3	..	15·6	0	9	19	1	3	10	5	0	1	4	4	0	0
	1430	,,	1011·0	1004·8	..	30·5	16·8	3·3	8·1	19	..	0·5	..	13·1	0	6	20	2	2	5	3	3	3	4	4	2	0
	1730	,,	1010·0	1003·8	..	30·2	16·3	1·9	7·3	17	..	0·4	..	11·3	0	2	23	2	6	4	0	0	4	5	4	3	0
	2030	,,	1011·4	1005·1	..	23·1	14·4	5·7	9·4	33	..	0 2	..	6·1	0	2	16	5	4	3	0	1	2	0	3	10	0
	2330	,,	1012·1	1005·8	..	19·8	12·9	5·7	9·3	41	.	0	..	5·9	0	3	12	3	3	1	0	0	4	2	2	13	0
Dohad	0830	333	1014·3	975·9	—0.6	18·1	11·3	2·6	8 0	39	—10	0·8	—0·3	9·0	0	3	24	0	6	4	2	6	4	5	0	1	0
	1730	,,	1009·2	972·4	..	29 4	14·9	—2·7	5 1	14	..	0·1	..	8·9	0	3	24	2	4	2	2	0	11	4	2	1	0
Vallabh Vidyanagar	0830	44	1013·3	1008·2	..	14·7	11·0	6·1	9·9	60	..	0·1	..	14·6	0	0	23	5	9	2	4	1	2	0	0	5	0
	1730	,,	1009.6	1004·8	..	30·4	17·1	3·8	8·7	21	..	0·2	..	9·1	0	1	27	7	4	2	2	2	2	2	7	0	0

*Height Calculated provisionally

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Gujarat Region (Including Daman, Dadra and Nagar Haveli) (—*Contd.*)																											
Baroda (Aerodrome)	0830	38	1013·6	1009·1	..	18·2	12·5	6·0	9·9	49	..	0·5	..	9·1	0	4	15	8	3	1	1	1	3	0	2	9	0
	1130	,,	1013·8	1009·5	..	28·2	16·3	4·3	8·9	25	..	0·3	..	13·9	0	6	19	2	5	6	3	0	4	3	2	3	0
	1730	,,	1009·5	1005·2	..	31·0	16·7	1·7	7·4	17	..	0·1	..	14·0	0	4	23	6	6	0	0	0	3	7	5	1	0
Baroda . . .	0530	34	1011·4	1007·3	..	16·3	12·4	8·0	11·2	60	..	0·7	..	0·6	0	0	5	0	3	0	0	0	1	1	0	23	0
	0830	,,	1013·7	1009·6	—0·5	16·7	12·5	7·7	11·1	59	—3	0·4	—0.5	0·7	0	0	6	0	4	0	0	0	1	1	0	22	0
	1130	,,	1014·0	1010·1	..	28·7	17.5	7·7	10·9	29	..	0·3	..	2·2	0	0	19	0	12	1	0	1	0	3	2	9	0
	1730	,,	1009·6	1005·7	..	31·8	18·4	6·9	10·3	23	..	0	..	2·5	0	0	21	0	4	1	1	0	4	8	3	7	0
	2330	,,	1012·0	1008·0	..	21·2	14·7	8·5	11·5	47	..	0	..	1·2	0	0	13	0	4	0	0	0	4	5	0	15	0
Broach . . .	0830	17	1012·6	1010·6	—1·0	16·9	13·1	9·1	12·0	62	+6	0·9	0	4·6	0	0	28	3	10	2	0	0	10	1	2	0	0
	1730	,,	1009·0	1007·1	..	32·3	20·0	10·8	13·6	28	..	0	..	6·1	0	0	28	0	13	1	0	0	10	0	4	0	0
Surat . . .	0530	12	1011·1	1009·7	..	17·8	14·4	10·2	13·3	63	..	0	..	7·1	0	1	23	0	20	0	2	0	2	0	0	4	0
	0830	,,	1013·3	1011·9	—1·1	19·2	14·2	9·6	12·2	56	—4	0·2	—0 8	7·2	0	0	27	0	17	1	5	0	2	0	2	1	0
	1130	,,	1014·1	1012·7	..	27·7	17·6	8·9	11·9	33	..	0·4	..	9·8	0	1	27	0	15	1	3	0	1	0	8	0	0
	1730	,,	1009·8	1008·5	..	30·4	18·2	8·0	11·0	27	..	0	..	9·1	0	0	28	0	4	0	2	0	11	0	11	0	0
Saurashtra and Kutch (Including Diu)	2330	,,	1012·2	1010·8	..	21·7	16·4	11·4	14·4	56	..	0	..	8·6	0	0	27	0	11	0	2	0	8	0	6	1	0
Naliya . . .	0830	21	1013·8	1011·2	..	14·9	12·5	9·2	12·5	73	..	0·8	..	2·9	0	1	8	1	6	0	0	0	0	1	1	19	0
	1730	,,	1010·7	1008·3	..	27·4	18·4	10·5	13·8	40	..	0·6	..	8·4	0	0	28	2	3	0	0	0	16	7	0	0	0
Bhuj (Rudramata) .	0230	80	1012·3	1002·8	..	17·0	13·1	8·3	11·9	61	..	0.1	..	2·9	0	0	8	0	1	0	0	0	3	3	1	20	0
	0530	,,	1012·1	1002·6	..	15·7	12·6	8·7	12·1	67	..	0·1	..	3·8	0	0	12	1	1	0	1	0	3	5	1	16	0
	0830	,,	1014·0	1004·5	—1·0	16·4	13·1	9·1	12·4	66	+18	0·4	—0·8	2·8	0	0	8	0	0	1	0	0	1	5	1	20	0
	1130	,,	1014·5	1005·3	..	25·8	16·3	7·1	10·8	34	..	0·3	..	11·8	0	1	25	7	4	5	2	0	2	1	5	2	0
	1430	,,	1011·3	1002·3	..	29·6	16·5	3·1	8·1	20	..	0·5	..	14·0	0	3	23	4	6	2	0	2	2	4	6	2	0
	1730	,,	1010·3	1001·3	..	29·5	16·5	3·1	8·2	20	..	0·3	..	14·9	0	7	20	5	7	4	0	0	3	6	2	1	0
	2030	,,	1012·0	1002·8	..	23·7	14·8	5·7	9·7	34	..	0·4	..	10·6	0	1	26	1	5	4	0	0	4	11	2	1	0
	2330	,,	1012·9	1003·5	..	19·3	14·0	8·3	11·7	53	..	0·1	..	5·4	0	0	15	2	1	0	0	0	4	7	1	13	0
Kandla (Aerodrome)	0830	35	1014·1	1010·0	..	18·7	13·5	6·7	11·2	53	..	0·2	..	12 9	0	3	22	4	2	0	0	1	5	3	10	3	0
	1130	,,	1014·8	1010·8	..	27·3	15·8	3·3	8·7	25	..	0·3	..	17·3	0	10	17	3	7	4	0	0	3	4	6	1	0
	1730	,,	1010·6	1006·7	..	29·7	16·1	0·2	7·3	18	..	0·3	..	20·0	0	13	14	5	5	1	1	8	5	0	2	1	0
New Kandla . .	0830	14	1014·2	1012·5	..	18·7	14·8	11·0	13·7	64	..	0·5	..	10·0	0	1	26	6	5	2	0	1	4	5	4	1	0
	1730	,,	1011·0	1009·4	..	27·1	18·1	10·6	13· 4	39	..	0·4	..	18·9	0	12	16	5	5	1	1	1	10	5	0	0	0
Mandvi . . .	0830	9	1013·9	1012·8	—1·1	17·8	14·7	11·2	14·2	70	+1	0·5	—0·5	12·5	0	3	25	7	10	0	0	0	0	7	4	0	0
	1730	,,	1011·2	1010·1	..	25·4	20·5	17·1	20·1	64	..	0·9	..	23·9	0	19	8	0	3	0	4	1	4	13	0	1	2
Surendranagar .	0830	74	1013·8	1005·1	—0·6	18·4	14·3	10·1	13·0	62	+8	0·2	—1·0	5·6	0	0	22	5	3	0	0	0	2	5	7	6	0
	1730	,,	1009·7	100[illegible]·4	..	30·6	19·2	10·6	12·9	30	..	0·3	..	6·3	0	0	26	8	3	1	1	0	0	9	4	2	0
Okha . . .	0530	7	1012·1	1011·3	..	21·8	19·0	17·3	19·7	77	..	0.4	..	23·4	0	16	11	6	6	1	0	0	1	5	8	1	0
	0830	,,	1014·1	1013·3	..	21·9	19·1	17·2	19·6	76	..	0·8	..	19·9	0	13	15	6	5	4	0	1	2	1	9	0	0
	1130	,,	1015·3	1014·5	..	23·8	19·5	16·6	19·1	65	..	0·5	..	15·9	0	6	22	7	5	6	0	0	1	3	6	0	0
	1730	,,	1011·7	1010·9	..	24·5	20·5	18·0	20·6	68	..	0·2	..	19·5	0	13	14	0	4	3	0	0	0	9	11	1	0
	2330	,,	1013·3	1012·5	..	22·5	20·3	18·4	21·4	79	..	0·1	..	18 7	0	14	14	4	2	0	0	0	2	10	10	0	0
Jamnagar (Aerodrome)	0530	23	1011·9	1009·3	..	15·4	12·7	9·2	12·5	69	..	0·3	..	4·9	0	0	13	0	5	0	1	0	1	3	3	15	0
	0830	,,	1013·8	1011·1	—1·6	16·7	13·5	9·6	12·9	67	+11	0·5	—0·7	9·2	0	2	18	1	6	2	0	0	4	4	3	8	0
	1130	,,	1014·7	1012·1	..	25·3	17·0	8·4	12·7	37	..	0·6	..	18·6	0	14	14	7	6	4	0	1	1	4	5	0	0
	1730	,,	1010·8	1008·3	..	27·2	16·9	6·5	10·9	32	..	0·1	..	24·3	0	18	10	8	4	0	1	0	0	7	8	0	0
	2330	,,	1012·7	1010·1	..	19·7	16·4	13·7	16·0	70	..	0	..	9·8	0	2	21	5	3	0	0	0	0	10	5	5	0
Dwarka . . .	0830	11	1013·7	1012·4	—1·6	21·0	19·1	17·8	20·5	82	+11	0·8	—1·0	12·7	0	7	21	12	3	8	0	0	0	3	2	0	0
	1730	,,	1011·1	1009·8	..	25·7	21·7	19·2	22·7	70	..	0·3	..	17·8	0	12	16	7	2	2	0	0	0	13	4	0	0
Rajkot . . .	0530	138	1012·0	995·8	..	15·0	11·6	8·4	10·9	67	..	0·1	..	2·6	0	0	11	0	3	1	1	0	1	2	3	17	0
	0830	,,	1013 9	997·8	—1·0	17·4	13·9	10·4	13·0	67	+11	0·2	—1·0	7·0	0	4	12	0	6	1	1	0	2	2	2	12	3
	1130	,,	1013·9	9 8·3	..	27·1	18·8	12·4	15·0	44	..	0·1	..	20·9	0	17	11	4	10	0	1	0	2	5	6	0	0
	1730	,,	1009·6	994·2	..	30 2	19·6	11·4	14·2	34	.	0	..	21·9	0	18	10	4	5	0	2	0	2	3	12	0	0
Bhavnagar (Aerodrome)	0830	11	1013·7	1012·5	—1·1	18·6	13·3	7·8	10·9	52	+9	0·2	—1·1	13·1	0	7	20	6	3	0	0	1	3	6	6	1	2
	1130	,,	1014 3	1013·1	..	26·3	17·1	9·1	12·0	36	..	0·2	..	19·1	0	13	15	6	14	3	1	0	0	0	2	0	2
	1730	,,	1009·9	1008·7	..	29·8	17·6	6·4	10·2	26	..	0·4	..	23·4	0	19	9	2	10	4	7	5	0	0	0	0	0
Porbander (Aerodrome)	0830	7	1013·8	1012·9	—0·7	19·1	14 9	10·3	13·6	64	—6	0·4	—0·7	8·6	0	4	21	7	4	3	3	0	0	1	7	3	0
	1130	,,	10.4·3	1013·5	..	27·9	18·3	9·4	13·2	38	..	5	..	16·9	0	12	15	2	7	3	0	1	5	6	3	1	0
	1730	,,	1010·6	10[illegible]9 8	..	27·5	19·5	12·8	16·1	46	..	0·1	..	21·9	0	20	8	1	3	0	0	0	6	17	1	0	0

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	SE	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Saurashtra and Kutch including Diu. (*Contd.*)																											
Keshod	0830	51	1013·5	1007·5	..	17·8	13·0	6·8	11·1	55	..	0·3	..	12·0	0	3	25	1	13	13	0	0	0	1	0	0	0
	1130	,,	1013·8	1008·0	..	28·2	16·7	5·2	9.7	29	..	0·5	..	19·9	0	12	16	6	9	5	0	0	0	5	3	0	0
	1730	,,	1009.9	1004.1	..	30.4	17.2	3.0	8.9	23	..	0.1	..	24.5	0	20	8	6	4	0	0	1	5	11	1	0	0
Mahuva	0830	9	1012.3	1011.3	..	19.3	13.8	7.8	11.4	53	..	1.4	..	2.4	0	0	20	2	10	1	0	1	2	0	4	8	0
	1730	,,	1009.5	1008.5	..	28.9	18.9	10.9	13·7	36	..	2.1	..	5.5	0	0	26	0	3	2	12	3	6	0	0	2	0
Veraval	0230	8	1011.5	1010.6	..	18.6	15.1	11.4	14.3	68	..	0.2	..	14.4	0	6	22	18	7	0	0	0	0	2	1	0	0
	0530	,,	1011.2	1010.3	..	17.7	14.0	9.6	13.0	66	..	0.1	..	14.6	0	4	24	19	8	0	0	0	0	0	1	0	0
	0830	,,	1013.2	1012.3	—1.5	19.0	14.7	9.8	13.2	63	+7	0.1	—1.0	15.0	0	8	20	9	16	1	0	0	0	0	2	0	0
	1130	,,	1013.9	1013.0	..	28.3	19.4	12.0	15.3	45	..	0.3	..	18.6	0	13	15	5	6	1	1	1	3	7	4	0	0
	1430	,,	1011.3	1010.4	..	28.2	21·4	16.4	20.0	55	..	0.3	..	21.0	0	18	10	0	3	1	1	2	5	13	3	0	0
	1730	,,	1010.4	1009.5	..	26.2	21.8	19.1	22.5	67	..	0.3	..	21.9	0	19	9	0	0	1	1	3	6	12	5	0	0
	2030	,,	1011.8	1010.9	..	23.7	20.6	18.6	21.8	74	..	0.1	..	16.1	0	12	16	2	0	2	0	1	3	9	11	0	0
	2330	,,	1012 5	1011.6	..	20.8	17.7	15.1	17.7	73	..	0.3	..	13.1	0	4	24	1	6	2	0	0	0	4	5	0	0
Konkan (Including Goa) Dahanu	0830	5	1012.4	1010.9	—0 6	21.1	18.6	17.2	20.0	77	+8	0.2	—0.9	7.7	0	1	26	5	1	11	9	0	0	0	1	1	0
	1730	,,	1009.8	1009.3	..	26.5	24.1	23.2	28.1	81	..	0	..	11.2	0	2	26	13	0	1	1	0	0	8	5	0	0
Bombay (Santa Cruz)	0230	14	1010.6	1008.9	..	19.9	17.1	15.1	17.3	75	..	0.4	..	2.5	0	0	14	1	9	3	0	0	0	0	1	14	0
	0530	,,	1010.4	1008.7	..	19.0	16.1	14.2	16.0	75	..	0.4	..	4.3	0	0	21	1	7	11	0	1	0	0	1	7	0
	0830	,,	1012.7	1011.0	—1.4	22.2	17.2	13.4	15.6	60	—2	1.5	+0.5	3.2	0	1	14	2	4	9	0	0	0	0	0	13	0
	1130	,,	1013.1	1011.4	..	29.4	19.2	11.5	13.9	35	..	1.3	..	10.6	0	0	27	4	2	2	5	0	0	3	11	1	0
	1430	,,	1010.1	1008 5	..	30.3	20.6	14.0	16.3	39	..	0.8	..	15.4	0	5	23	2	1	1	0	0	0	6	18	0	0
	1730	,,	1009 6	1008.0	..	8.1	20.5	15.7	17.9	48	..	0.4	..	15.7	0	3	25	3	0	0	0	0	0	2	23	0	0
	2030	,,	1011 2	1009.5	..	24.5	19.5	16.3	18.5	61	..	0.3	..	9·1	0	2	21	12	0	0	0	0	0	0	11	5	0
	2330	,,	1011.7	1010.1	..	22.0	18.2	15.4	17.8	68	..	0 1	..	4·4	0	0	17	5	5	2	0	0	0	0	5	11	0
Bombay	0830	11	1012.5	1011.2	—1·6	22.8	19.6	17.6	20.2	73	+2	1.6	+0.6	6.6	0	0	27	4	5	13	4	0	0	0	0	1	1
	1130	,,	1013.0	1011.8	..	28.3	21.0	16.6	19.0	50	..	0.9	..	7.4	0	1	27	1	3	9	6	0	1	0	8	0	0
	1730	,,	1009.6	1008.4	..	27.4	21.8	18.6	21.6	59	..	0.4	..	14.1	0	6	22	5	0	0	0	0	0	5	18	0	0
Alibag	0330	7	1012.7	1011.9	—0.9	21.7	18.2	15.7	18.1	70	+3	0.8	—0·2	5·1	0	0	26	10	4	6	4	0	0	0	2	2	0
Bhira	0830	96	1012.3	1001.1	..	18.8	15.3	12.4	14.6	70	..	1.0	..	1.0	0	0	7	1	1	0	4	0	0	0	1	21	0
	1730	,,	1007.9	997.3	..	33.0	20.0	10.0	12.5	25	..	0.6	..	3.5	0	0	24	0	0	0	0	1	10	6	7	4	0
Harnai	0830	20	1011.8	1009.5	—0.7	24.5	19.0	15.2	17.5	58	—2	2.1	+0·8	7.6	0	3	20	2	10	8	3	0	0	0	0	5	0
	1730	,,	1009.1	1006.8	..	26.9	23.0	21.0	24.9	70	..	1.0	..	26.1	0	19	9	12	0	0	0	2	0	3	11	0	0
Ratnagiri	0830	35	1011.9	1007.9	—1.3	22.6	18.7	16.0	18.4	68	..	1.6	..	7.6	0	0	27	2	7	12	6	0	0	0	0	1	0
	1730	,,	1009.0	1005 1	..	28.2	22.6	19.4	22.8	58	..	0.5	..	9.6	0	0	28	2	0	0	0	0	1	10	15	0	0
Devgarh	0830	36	1011 8	1007.8	—0·7	23.6	19.9	17.6	20.2	70	—2	1.4	—0.2	10.8	0	1	26	2	4	20	1	0	0	0	0	1	0
	1730	,,	1008.8	1004.8	..	28.4	23.6	21.1	25.2	65	..	1.1	..	25.4	0	22	6	0	0	0	0	0	0	2	26	0	0
Vengurla	0230	9	1010.4	1009.4	..	21.1	19.4	18.3	21.1	84	..	0.4	..	0.8	0	0	5	4	0	0	0	0	0	0	1	23	0
	0530	,,	1009.9	1008.9	..	19.7	18.4	17.5	20.0	87	..	0.6	..	1.1	0	0	6	6	0	0	0	0	0	0	0	22	0
	0830	,,	1012 3	1011.3	—0.5	21.1	18.8	17.4	19.7	79	+3	0.9	—0.5	1.1	0	0	8	6	1	0	0	0	0	0	1	20	0
	1130	,,	1012.6	1011.6	..	30.1	21.4	16.1	18.4	44	..	0.6	..	7.9	0	0	26	6	0	3	1	5	7	3	1	2	0
	1730	,,	1008.9	1007.9	..	28·7	22.6	19.2	22.4	57	..	1.1	..	8.7	0	0	28	0	0	0	0	0	3	14	11	0	0
	2330	,,	1011.3	1010.3	..	22.8	20.6	19.3	22.5	81	..	0.7	..	1.9	0	0	9	6	1	0	0	0	0	0	2	19	0
Panjim	0530	60	1009.8	1002.9	..	21.1	19.4	18.3	21.1	84	..	0.4	..	9·4	0	1	27	1	12	14	1	0	0	0	0	0	0
	0830	,,	1012 1	1005.2	..	21.9	19.3	17.7	20.2	78	..	2.3	..	6.1	0	0	24	1	7	14	2	0	0	0	0	4	0
	1130	,,	1012.5	1005 8	..	29.3	21.0	15.7	18.1	45	..	2.7	..	9.3	0	0	28	4	2	3	4	1	4	6	4	0	0
	1430	,,	1009.5	1002.8	..	30.5	22 5	18.0	20.8	48	..	1·6	..	16.9	0	11	17	0	0	2	0	0	4	16	6	0	0
	1730	,,	1008 8	1002.0	..	28.6	22.5	19.1	22.2	57	..	2.3	..	15.6	0	6	22	1	0	0	0	0	2	11	14	0	0
	2030	,,	1010.5	1003.7	..	25.9	21.9	19.6	22.9	69	..	0.6	..	7.8	0	0	27	10	2	1	0	0	0	0	14	1	0
	2330	,,	1011 3	1004 5	..	24.3	20.9	19.0	22.0	73	..	0.6	..	6.3	0	0	23	10	10	0	0	0	0	0	3	5	0
Mormugao	0530	62	1009.4	1002.3	..	22.7	20 2	18.7	21.6	79	..	1.2	..	(n) 8.7	0	0	17	3	7	15	3	0	0	0	0	0	0
	0830	,,	1011.4	1004.4	..	24.7	20 4	17.7	20.5	66	..	1.9	..	(o) 7.4	0	1	13	3	7	12	4	0	0	0	0	2	0
	1130	,,	1011 8	1004 9	..	28.2	21 6	17.6	20.4	55	..	1.9	..	(n) 14.1	0	2	15	1	4	2	1	1	8	2	9	0	0
	1730	,,	1008.0	1001.1	..	27.9	22.8	20.2	23.5	63	..	1.7	..	(n) 18.5	0	8	9	0	0	0	0	0	4	12	12	0	0
Dabolim (Navel Air-Station)	0530	206	1009 9	1004.0	..	21.6	19.7	18.3	21.4	83	..	1.7	..	8.7	0	1	18	1	10	8	0	0	0	0	0	9	0
	0830	,,	1012.3	1006.3	..	23.6	19.6	17.0	19.6	67	..	2.2	..	8·0	0	1	16	1	4	9	3	0	0	0	0	11	0
	1130	,,	1012.7	1006.9	..	28.8	21.4	17.0	19.5	51	..	1.9	..	16.3	0	2	26	7	1	1	3	5	6	2	3	0	0
	1730	,,	1008.8	1003.1	..	28.3	22.6	19.6	22.8	59	..	1.9	..	24·6	0	4	24	4	0	0	0	0	1	9	14	0	0

(o) Mean of 16 days. (n) Mean of 17 days.

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speeds Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Maharashtra																											
Nandurbar	0830	206	1013.8	990.1	..	20.8	13.6	5.6	9.7	41	..	0.3	..	5.6	0	0	27	2	0	16	0	0	0	9	0	1	0
	1730	,,	1009.0	986.1	..	30.9	17.5	5.3	9.1	21	..	0	..	3.5	0	0	23	6	0	5	0	2	0	10	0	5	0
Jalgaon	0830	201	1014.0	990.5	−0.4	17.4	11.0	3.8	8.0	40	−5	0.2	−0.8	7.6	0	0	26	1	1	12	5	0	4	2	1	2	0
	1730	,,	1008.5	986.3	..	32.1	17.2	2.7	7.5	16	..	0.5	..	12.1	0	4	21	4	0	4	2	0	1	0	14	3	0
Malegaon	0830	437	1014.4	963.9	−1.1	16.0	10.2	3.6	7.8	44	−1	0.4	−0.7	3.8	0	0	27	2	0	2	0	0	6	9	8	1	0
	1730	,,	1007.7	959.9	..	30.8	17.0	4.0	8.2	18	..	0.7	..	9.6	0	1	26	2	5	4	1	0	4	7	4	1	0
Ozar	0830	608	..	..	..	17.0	11.3	4.5	8.6	48	..	0.4	..	[d] 5.6	0	2	17	1	3	2	0	1	4	3	5	8	0
	1130	,,	..	..	..	27.1	15.8	4.9	9.7	26	..	0.3	..	(e) 14.5	0	6	20	1	0	8	5	1	3	2	6	0	0
	1730	,,	..	..	..	29.4	16.3	5.5	9.0	21	..	0.5	..	[g] 15.5	0	10	14	2	0	3	2	2	3	6	6	0	0
Deolali (Aerodrome)	0830	571	1015.0	949.7	..	16.4	11.8	7.4	10.5	57	..	0.6	..	4.4	0	0	21	7	2	3	0	0	5	4	0	7	0
	1730	,,	1008.6	946.4	..	29.5	17.6	8.6	11.4	28	..	0.6	..	12.2	0	4	24	2	1	4	0	1	9	7	4	0	0
Ahmadnagar	0830	657	1013.8	939.7	−1.0	18.3	11.7	5.2	9.0	44	+4	1.3	+0.5	4.8	0	0	19	0	1	0	2	0	1	0	15	9	0
	1730	,,	1006.6	936.0	..	30.7	16.8	5.4	9.0	21	..	1.6	..	10.1	0	3	24	2	6	0	3	0	7	1	8	1	0
Poona (Aerodrome)	0230	593	1011.6	941.4	..	17.6	12.8	8.5	11.3	57	..	0.3	..	5.6	0	1	16	0	1	1	0	0	2	11	2	11	0
	0530	,,	1012.0	944.3	..	15.8	11.6	7.7	10.7	60	..	0.3	..	6.6	0	2	16	1	1	1	0	0	1	9	5	10	0
	0830	,,	1013.6	946.3	..	18.0	12.7	8.0	10.8	54	..	1.3	..	5.5	0	1	15	0	5	1	0	0	2	6	2	12	0
	1130	,,	1011.7	946.6	..	27.4	16.1	6.8	10.1	28	..	1.1	..	15.0	0	12	12	0	4	7	4	0	3	4	1	4	1
	1730	,,	1007.1	942.8	..	29.9	17.1	7.2	10.1	24	..	1.5	..	17.7	0	14	11	2	2	3	0	1	0	10	7	3	0
	2330	,,	1012.1	945.4	..	19.9	13.7	8.3	11.2	49	..	0.6	..	11.5	0	0	28	0	2	2	0	0	3	16	5	0	0
Poona	0530	559	1012.5	948.2	..	13.6	10.1	6.7	9.8	64	..	0.3	..	0	0	0	0	0	0	0	0	0	0	0	0	28	0
	0830	,,	1014.0	950.4	−0.9	17.3	12.6	8.4	11.2	57	+4	0.6	−0.2	0	0	0	0	0	0	0	0	0	0	0	0	28	0
	1130	,,	1011.5	950.1	..	27.8	16.6	8.1	10.7	30	..	1.0	..	5.4	0	0	24	0	4	9	2	0	0	7	2	4	0
	1430	,,	1007.4	946.9	..	30.9	17.6	7.3	10.4	24	..	1.7	..	8.6	0	1	25	0	2	6	1	0	1	15	1	2	0
	1730	,,	1007.1	946.3	..	30.0	17.3	7.5	10.5	25	..	1.4	..	5.6	0	1	20	0	2	3	0	0	0	12	4	7	0
	2030	,,	1010.5	948.5	..	24.2	15.4	8.6	11.1	38	..	0.5	..	2.9	0	0	18	0	0	1	0	0	1	16	0	10	0
	2330	,,	1012.3	949.2	..	19.3	13.2	7.8	10.7	49	..	0.5	..	0.1	0	0	1	0	0	0	0	0	0	1	0	27	0
Jeur	0830	521	1013.5	954.1	−0.8	17.9	11.4	5.8	8.8	46	−1	1.4	+0.4	1.8	0	0	11	0	1	2	2	2	0	2	2	17	0
	1730	,,	1006.6	950.0	..	31.0	17.1	5.8	9.3	21	..	1.7	..	5.7	0	0	26	3	5	3	1	4	3	3	4	2	0
Baramati	0830	551	1013.8	951.1	−0.8	17.4	12.7	8.6	11.2	57	+8	0.6	−0.1	6.7	0	0	24	4	2	4	2	0	0	3	9	4	0
	1730	,,	1006.4	947.2	..	30.9	19.6	12.2	14.5	33	..	0.9	..	10.6	0	1	26	0	2	9	4	1	2	6	3	1	0
Sholapur	0530	479	1011.3	956.9	..	18.9	13.3	8.4	11.2	52	..	0.6	..	7.9	0	0	25	1	6	3	7	2	0	2	4	3	0
	0830	,,	1013.3	959.4	−0.6	21.7	14.6	8.9	11.5	45	+5	0.1	−0.8	7.4	0	0	26	0	10	0	10	0	0	1	5	2	0
	1130	,,	1012.0	959.3	..	29.0	17.9	10.1	12.3	32	..	0.5	..	13.4	0	2	26	4	5	1	5	2	7	0	4	0	0
	1730	,,	1006.9	955.0	..	31.8	18.6	9.2	11.8	26	..	0.9	..	7.5	0	0	25	3	4	3	4	1	4	2	4	3	0
	2330	,,	1010.8	957.4	..	23.9	15.4	8.6	11.3	38	..	1.1	..	8.5	0	0	27	1	8	3	7	2	1	1	4	1	0
Miraj	0830	554	1013.8	951.1	−0.7	18.6	13.6	9.8	11.9	57	−1	1.8	+0.9	..	..	..	..	0	0	4	0	0	0	2	0	22	0
	1730	,,	1006.6	946.9	..	31.4	17.9	7.1	10.7	24	..	2.5	..	..	..	..	..	0	0	5	2	0	3	7	1	10	0
Kolhapur	0530	570	1010.0	945.4	..	17.1	12.9	9.3	11.9	61	..	0.3	..	4.9	0	1	12	0	0	9	0	0	0	4	0	15	0
	0830	,,	1013.1	948.8	−0.9	19.6	14.6	10.8	12.9	58	−1	0.5	−0.3	2.9	0	0	15	0	3	10	1	0	0	1	0	13	0
	1130	,,	1011.2	949.0	..	28.7	17.5	9.1	11.9	30	..	0.5	..	8.6	0	3	23	1	4	13	2	0	0	5	1	2	0
	1730	,,	1006.5	945.0	..	30.7	18.1	8.9	11.5	26	..	1.0	..	10.9	0	1	26	1	3	11	0	0	0	10	2	1	0
	2330	,,	1011.2	947.5	..	21.2	16.0	12.3	14.4	58	..	0.4	..	5.9	0	0	22	0	1	6	1	0	0	12	2	6	0
Marathwada																											
Aurangabad	0830	581	1013.6	948.4	−1.1	20.8	12.8	5.1	9.0	38	−2	0.6	−0.5	5.1	0	1	16	0	4	9	0	1	0	2	1	11	0
	1730	,,	1007.8	944.8	..	30.1	15.9	2.6	8.0	19	..	1.2	..	4.7	0	0	17	0	0	2	0	1	1	11	2	11	0
Aurangabad (Chikalthan)	0230	579	1011.8	945.8	..	15.9	9.9	3.5	7.9	44	..	0.6	..	2.5	0	0	6	0	0	0	1	0	0	3	2	22	0
	0530	,,	1012.3	945.7	..	13.9	8.7	2.7	7.5	48	..	0.3	..	1.8	0	0	5	1	1	0	0	0	0	2	1	23	0
	0830	,,	1013.0	947.9	..	20.3	12.6	5.3	9.0	38	..	0.6	..	2.9	0	0	7	0	1	1	0	0	0	5	0	21	0
	1130	,,	1011.9	948.3	..	27.3	15.8	6.0	9.6	27	..	0.6	..	12.8	0	2	26	0	3	7	5	2	2	8	1	0	0
	1430	,,	1007.9	945.1	..	30.1	16.6	5.2	9.0	21	..	1.1	..	14.2	0	4	23	3	3	3	1	2	2	11	2	1	0
	1730	,,	1007.2	944.3	..	29.8	16.3	4.8	8.7	21	..	1.2	..	10.2	0	3	19	2	1	3	1	0	2	9	4	6	0
	2030	,,	1010.6	946.0	..	22.6	13.1	4.2	8.2	31	..	0.6	..	4.1	0	1	7	2	0	0	0	0	0	5	1	20	0
	2330		1012.1	946.6	..	19.0	11.6	4.2	8.3	39	..	0.3	..	2.9	0	0	8	0	2	0	0	0	0	4	2	20	0
Parbhani	0830	423	1014.0	965.7	+0.3	19.4	12.4	4.8	8.8	40	−3	0.5	−0.6	3.7	0	0	22	1	6	0	6	0	2	5	2	6	0
	1730	,,	1007.5	961.5	..	31.3	16.8	2.6	7.4	16	..	1.4	..	8.0	0	2	24	1	6	3	2	1	0	8	5	2	0

[d] Mean of 27 days. (g) Mean of 24 days. [e] Mean of 26 days.

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Marthwada— (*Contd.*)																											
Nander	0830	358	1013.3	972.5	..	21.5	16.3	11.7	14.1	55	..	0.4	..	3.0	0	0	13	0	0	0	0	0	7	5	1	15	0
	1730	,,	1007.7	968.6	..	31.6	20.4	12.7	14.9	34	..	0.8	..	4.7	0	0	22	1	6	1	3	1	0	7	3	6	0
Bir	0830	519	1014.6	955.4	..	18.6	14.0	10.3	12.6	59	..	0.8	..	3.1	0	1	12	1	1	0	4	0	4	0	3	15	0
	1730	,,	1008.3	951.8	..	30.5	18.5	10.5	12.5	30	..	1.8	..	6.6	0	1	23	0	8	0	2	1	6	0	7	4	0
Vidarbha																											
Gondia	0830	313	1014.3	978.3	−0.5	19.1	13.7	8.6	11.3	52	−8	1.1	−0.2	2.3	0	0	21	7	6	2	0	4	1	0	1	7	0
	1730	,,	1009.2	974.5	..	28.9	17.1	6.5	9.9	25	..	0.9	..	2.5	0	0	24	4	2	1	1	4	4	7	1	4	0
Nagpur (Sonegaon)	0230	310	1011.4	975.6	..	17.5	12.4	7.1	10.3	52	..	0.4	..	4.9	0	0	22	9	3	2	2	0	2	0	4	6	0
	0530	,,	1011.9	975.9	..	15.8	11.4	6.4	9.9	55	..	0.5	..	4.7	0	0	21	7	3	1	0	0	0	0	10	7	0
	0830	,,	1014.1	978.4	−0.8	19.6	12.9	5.5	9.5	42	−10	0.6	−1.2	5.6	0	0	23	8	7	4	0	0	0	1	3	5	0
	1130	,,	1012.8	978.1	..	27.5	16.5	6.3	9.9	27	..	0.3	..	11.1	0	4	22	2	6	7	5	1	1	2	2	2	0
	1430	,,	1009.0	974.8	..	30.3	17.4	5.5	9.4	22	..	1.3	..	9.3	0	2	26	4	6	3	5	1	3	4	2	0	0
	1730	,,	1008.5	974.1	..	29.5	17.0	5.4	9.3	22	..	1.4	..	6.7	0	1	24	3	4	6	4	3	1	4	0	3	0
	2030	,,	1011.0	975.9	..	23.0	14.9	7.3	10.4	37	..	0.8	..	4.9	0	0	25	1	6	5	7	1	1	3	1	3	0
	2330	,,	1011.9	976.4	..	20.4	13.8	7.2	10.4	45	..	0.8	..	7.4	0	2	24	7	7	0	4	0	1	2	5	2	0
Amraoti	0830	370	1014.5	972.4	+0.1	21.6	12.6	2.1	7.3	29	−14	0.5	−0.9	4.3	0	0	24	0	15	3	0	1	3	1	1	4	0
	1730	,,	1008.7	968.1	..	30.1	16.2	2.6	7.2	17	..	1.0	..	4.3	0	0	27	2	3	1	3	3	5	6	4	1	0
Akola Aerodrome	0530	309	1010.8	975.1	..	17.0	10.9	3.8	8.1	43	..	0.3	..	11.0	0	0	28	6	3	4	3	0	4	4	4	0	0
	0830	,,	1013.0	977.5	..	19.8	12.5	4.4	8.6	38	..	0.6	..	9.1	0	0	27	2	6	6	3	1	1	2	6	1	0
	1130	,,	1012.3	977.8	..	27.8	16.6	6.4	9.8	27	..	0.6	..	11.0	0	0	28	0	5	10	3	2	1	1	6	0	0
	1730	,,	1007.4	973.3	..	30.9	17.2	4.2	8.5	19	..	1.2	..	9.7	0	2	26	3	5	1	1	1	2	9	6	0	0
	2330	,,	1010.7	975.5	..	21.9	13.3	3.8	8.0	33	..	0.4	..	10.2	0	0	28	2	4	5	6	4	2	3	2	0	0
Akola	0830	282	1013.7	981.2	−0.8	19.3	13.3	7.3	10.4	47	+3	0.6	−0.8	0.5	0	0	6	0	0	0	1	0	0	4	1	22	0
	1730	,,	1007.8	976.8	..	31.5	19.1	9.5	12.0	26	..	1.2	..	2.1	0	0	21	0	3	3	0	0	2	10	3	7	0
Bramhapuri	0830	229	1014.1	987.5	..	18.9	14.5	10.7	12.9	60	..	0.4	..	2.6	0	0	27	7	6	5	4	2	1	0	2	1	0
	1730	,,	1008.8	983.3	..	30.1	18.9	10.2	12.7	30	..	1.3	..	2.8	0	0	24	4	5	1	3	3	0	2	6	4	0
Buldana	0830	650	1012.9	940.1	−0.6	19.7	12.9	6.6	9.9	45	+2	0.4	−0.7	10.1	0	3	23	1	2	5	5	4	3	0	6	2	0
	1730	,,	1007.2	936.7	..	28.2	16.3	6.3	9.9	25	..	0.8	..	8.6	0	0	27	4	3	1	3	1	3	0	12	1	0
Yeotmal	0830	451	1013.1	962.1	−0.5	21.3	12.9	3.5	8.1	34	−8	0.7	−0.9	8.5	0	2	26	5	5	9	1	1	1	4	2	0	0
	1730	,,	1007.7	958.3	..	30.0	16.4	2.7	7.6	18	..	1.5	..	7.8	0	1	26	5	4	2	2	2	1	9	2	1	0
Chanda	0830	193	1013.4	991.1	−1.2	19.6	15.0	11.1	13.3	59	+2	0.5	−0.9	3.9	0	0	27	2	4	7	3	1	4	2	4	1	0
	1730	,,	1008.3	986.9	..	30.9	18.3	7.8	10.8	24	..	1.5	..	6.4	0	0	28	5	11	3	2	0	1	3	3	0	0
Pusad	0830	334	..	..	..	19.3	13.8	8.8	11.4	52	..	0.5	..	2.9	0	0	24	2	1	3	2	0	1	4	11	4	0
	1730	,,	..	..	..	31.3	20.4	12.7	14.9	34	..	1.4	..	4.4	0	0	25	3	7	0	3	1	5	1	5	3	0
Sironcha	0830	123	1014.3	1000.1	−0.3	22.4	17.5	14.0	16.0	59	−6	0.4	−0.2	2.6	0	0	25	2	9	1	13	0	0	0	0	3	0
	1730	,,	1009.1	995.4	..	31.8	19.8	11.0	13.3	28	..	1.2	..	5.1	0	0	24	2	5	1	5	3	4	2	2	4	0
Coastal Andhra Pradesh																											
Kalingapatnam	0830	6	1014.1	1013.4	−0.7	23.7	21.4	20.2	23.7	81	+2	1.4	−0.4	6.6	0	1	27	10	1	0	1	1	2	2	9	0	2
	1730	,,	1010.9	1010.2	..	26.2	22.8	21.1	25.0	74	..	1.4	..	15.6	0	9	19	0	0	0	6	9	3	0	0	0	10
Vishakhapatnam	0230	3	1011.6	1011.2	..	22.1	20.4	19.4	22.7	85	..	1.6	..	1.6	0	0	5	1	0	1	0	0	1	2	0	23	0
	0530	,,	1011.6	1011.2	..	21.0	19.6	18.8	21.7	87	..	1.0	..	0.6	0	0	3	0	2	0	0	0	0	1	0	25	0
	0830	,,	1013.9	1013.5	−0.8	24.8	21.3	19.4	22.5	72	−5	1.4	−1.1	3.7	0	0	11	2	2	2	0	0	2	1	2	17	0
	1130	,,	1013.4	1013.0	..	29.5	21.9	17.4	20.0	49	..	1.9	..	11.3	0	2	24	1	1	5	8	1	8	1	1	2	0
	1430	,,	1010.5	1010.1	..	29.7	21.8	17.0	19.7	48	..	1.3	..	17.6	0	9	19	0	0	3	13	4	8	0	0	0	0
	1730	,,	1010.5	1010.1	..	26.8	21.9	19.0	22.0	63	..	1.7	..	14.1	0	4	24	0	0	4	10	6	8	0	0	0	0
	2030	,,	1012.7	1012.3	..	24.8	21.8	20.1	23.7	75	..	1.7	..	3.3	0	0	11	0	0	3	2	1	5	0	0	17	0
	2330	,,	1012.9	1012.5	..	23.5	21.1	19.8	23.1	80	..	1.6	..	1.2	0	0	4	0	0	1	1	0	1	1	0	24	0
Kakinada	0830	8	1013.9	1013.1	−0.7	23.4	19.7	17.3	19.7	69	−6	2.5	−0.1	8.6	0	0	28	0	25	0	1	0	2	0	0	0	0
	1730	,,	1010.2	1009.3	..	27.1	21.8	18.8	21.7	61	..	1.7	..	13.1	0	0	28	0	0	0	25	0	3	0	0	0	0
Nidadavole	0830	12	1014.0	1012.5	..	23.4	20.5	18.9	21.8	76	..	3.5	..	5.9	0	0	27	3	20	1	0	0	1	1	1	1	0
	1730	,,	1010.0	1008.5	..	29.4	22.4	18.7	21.6	53	..	3.8	..	7.4	0	0	28	0	0	15	4	1	3	4	1	0	0
Rentachintam	0830	106	1013.2	1001.0	..	24.1	20.0	17.5	20.0	67	−3	1.1	−1.8	1.5	0	0	16	0	0	5	0	7	3	1	0	12	0
	1730	,,	1008.6	996.9	..	32.3	21.4	14.3	16.6	34	.	1.5	..	2.3	0	0	24	1	0	19	0	3	0	1	0	4	0
Gannavaram	0230	24	1010.9	1008.1	..	21.3	20.2	19.6	22.7	90	..	0.7	..	4.3	0	0	15	6	5	4	0	0	0	0	0	13	0
	0530	,,	1011.1	1008.3	..	21.1	20.3	19.8	22.7	92	..	1.3	..	5.3	0	0	18	6	2	9	0	0	0	0	1	10	0
	0830	,,	1013.5	1010.7	−0.6	24.2	21.7	20.4	23.8	80	+2	1.8	−0.3	10.2	0	0	26	0	0	20	3	1	2	0	0	2	0
	1130	,,	1013.2	1010.4	..	29.5	22.1	17.9	20.5	50	..	2.7	..	15.9	0	8	20	0	0	12	6	6	2	1	1	0	0
	1430	,,	1009.9	1007.2	..	31.7	21.7	15.5	17.7	38	..	2.1	..	15.4	0	5	22	1	0	7	8	8	1	1	1	1	0
	1730	,,	1009.7	1007.0	..	29.7	21.2	15.9	18.3	44	..	2.1	..	16.1	0	9	19	0	0	5	10	11	0	0	2	0	0

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g. p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	SE	E	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Coastal Andhra Pradesh—(*Contd.* Gannavaram—(*Contd*)	2030	24	1011.9	1009·1	..	24·1	20·7	18·8	21·7	73		0·9		8·6	0	1	25	0	0	8	8	9	1	0	0	2	0
	2330	,,	1012·3	1009·5	..	22·3	20·7	19·8	23·1	85		0·6		5·0	0	0	20	3	0	8	3	4	0	1	1	8	0
Nagarjanakonda (R)	0830	126																									
(R)	1730	,,																									
Masulipatam	0830	3	1013·5	1113·1	−1·2	23·8	22·0	21.1	25·0	85	+4	3·0	+0·9	2·8	0	0	25	5	8	6	1	2	2	1	0	3	0
	1730	,,	1010·3	1010·0	..	27·0	22·3	19·8	23·1	65		2·9		4·1	0	0	28	0	0	12	12	0	0	1	0	0	3
Onagale	0830	12	1013·3	1012·0	..	24·5	23·0	22·2	26·9	86		2·3		1·0	0	0	12	0	5	1	2	0	0	0	4	16	0
	1730	,,	1009·6	1008·3	..	28·5	24·1	21·9	26·4	72		2·4		5·1	0	0	28	0	0	26	2	0	0	0	0	0	0
Nellore	0530	20	1010.9	1008·6	..	21·8	21·0	20·5	24.3	93	..	2·6	..	2·1	0	0	17	0	13	1	1	0	0	0	2	11	0
	0830	,,	1013.0	1010.7	−1.2	24.4	22.1	20.9	24.7	81	0	4.1	+1.7	4.5	0	0	22	1	1	0	8	2	1	0	9	6	0
	1130	,,	1013.0	1010.7	..	29.7	22.9	19.3	22.4	54	..	4.3	..	5.6	0	0	26	1	3	14	6	0	1	1	0	2	0
	1730	,,	1010.0	1007.7	..	28.6	23.1	20.3	23.8	61	..	4.5	..	8.5	0	0	28	0	21	3	4	0	0	0	0	0	0
	2330	,,	1012.3	1010.0	..	23.7	22.2	21.5	25·6	87	..	2.3	..	2.1	0	0	19	0	9	7	1	0	1	0	1	9	0
Telangana Ramagundam	0830	156	1013·4	995.4	−0.8	22.5	17.7	14.3	16.3	60	+6	0·4	−1.5	3·5	0	0	20	1	0	3	10	2	3	1	0	8	0
	1730	,,	1008.7	991.3	..	31.9	19.6	10.5	12.8	27	..	0·5	..	3.3	0	0	26	2	5	4	8	2	3	1	1	2	0
Nizamabad	0830	381	1013.2	970.1	−0.8	22.6	16.1	10.7	13.0	44	−10	0·2	−1.0	0.1	0	0	1	0	0	0	0	1	0	0	0	27	0
	1730	,,	1007.7	966.0	..	31.6	18.6	7.5	10.9	23	..	1.0	..	1.8	0	0	16	1	7	4	0	0	3	0	1	12	0
Hanmakonda	0830	269	1013.3	982.7	−1.3	22.4	18.9	16.5	19.0	70	0	1.6	−0.9	1 9	0	0	22	2	0	0	2	16	0	2	0	6	0
	1730	,	1009.4	979.9	..	30.7	19.0	10.1	12.4	29	..	0.5	..	2 0	0	0	28	14	0	1	7	4	0	1	1	0	0
Hakimpet(Aerodrome)	0530	613	1011.3	943.3	..	18.7	15.3	12.7	14.9	71	..	1.4	..	11.0	0	2	26	2	0	6	13	3	2	0	2	0	0
	0830	,,	1012.5	944.1	..	21.9	16.7	12.9	14.9	59	..	2.0	..	12.9	0	1	27	1	1	2	14	2	1	3	4	0	0
	1130	,,	1011.4	944.4	..	27.6	18.1	11.4	13.8	38	..	1.5	..	16.3	0	5	23	2	2	2	10	4	3	1	4	0	0
	1730	,,	1007.9	941.4	..	28.9	17.7	9.9	12.2	31	..	2.5	..	15 1	0	3	24	0	2	6	9	2	1	6	0	1	1
	2330	,,	1011.1	943.0	..	22.1	15.8	11.1	13.4	50	..	0.6	..	10.4	0	1	26	2	2	4	13	3	1	1	1	1	0
Bhadrachalam	0830	111	1012.9	1000.2	−1.7	23.0	19.9	18.0	20.8	74	+1	1.9	−0.9	2.2	0	0	26	0	14	1	9	1	0	0	1	2	0
	1730	,,	1008.8	996.4	..	31.3	20.4	13.0	15.1	33	..	1.4	..	2.5	0	0	28	2	16	1	7	2	0	0	0	0	0
Hyderabad (Begumpet)	0230	545	1011.0	949.6	..	19.7	14·1	11.2	13.5	59	..	0·3	..	3.9	0	0	20	1	3	6	9	1	0	0	0	8	0
	0530	,,	1011.3	949.5	..	17.9	14.6	12.0	14.2	69	..	0.6	..	3 8	0	0	19	0	0	6	9	0	0	1	2	9	1
	0830	,,	1013.1	952.0	−0.7	21.1	15.8	12.0	14.1	58	−8	2.1	+0.3	7.3	0	0	21	1	0	4	10	0	1	1	4	7	0
	1130	,,	1011.9	952.1	..	28.1	17.5	9.9	12.2	33	..	1.3	..	13.0	0	2	26	0	1	3	11	4	4	0	5	0	0
	1730	,,	1007.6	948.5	..	29.7	17.2	7.6	10.5	26	..	2.2	..	10.4	0	1	27	1	2	6	9	5	3	1	1	0	0
	2330	,,	1011.7	950.7	..	21.8	15.5	10.7	13.0	50	..	0.6	..	5·9	0	1	23	3	5	1	11	2	0	1	1	4	0
Khammam	0830	112	1013.5	1000.7	..	23.7	20.7	18.9	22.0	76	..	3.3	..	4 0	0	0	21	1	1	5	7	6	0	0	1	7	0
	1730	,,	1008.6	996.2	..	32.0	20.6	12.9	15·0	32	..	3.2	..	4.5	0	0	21	2	0	6	4	2	0	6	1	7	0
Mahbubnagar	0830	505	1012.4	956.1	..	23.3	16.9	12.3	14.6	51	..	1.9	..	7.8	0	0	26	1	5	13	1	1	2	0	3	2	0
	1730	,,	1007.4	952.4	..	30.2	17.7	8.5	11.1	26	..	2.1	..	5 6	0	0	27	0	1	13	4	3	2	3	1	1	0
Rayalaseema Kurnool	0830	281	1012.9	980.9	−0.9	22.7	17.9	14.4	16.6	60	+1	1.0	−0.1	5.1	0	0	26	0	3	0	4	0	6	2	11	2	0
	1730	,,	1007.5	976.7	..	32.4	20.4	12.2	14.2	30	..	2.1	..	5.6	0	0	26	1	2	2	10	1	2	2	6	2	0
Nandyal (R)	0830	212																									
(R)	1730																										
Anantapur	0530	350	1010.6	970.7	..	19.7	16.4	13.8	16.0	69	..	0.5	..	1.9	0	0	7	0	0	6	0	1	0	0	0	21	0
	0830	,,	1012.6	973.1	−0·5	23.4	18.3	14.6	16.9	59	+5	1.5	+0.2	6.1	0	1	18	1	2	6	4	1	4	1	0	9	0
	1130	,,	1011.4	972.7	..	29.3	19.8	13.3	15.4	39	..	1.3	..	11.7	0	2	23	2	3	12	5	1	1	0	1	3	0
	1430	,,	1007.5	969.3	..	31.6	20.2	2.2	14.4	31	..	2.4	..	11.4	0	5	17	0	2	18	1	0	0	0	1	6	0
	1730	,,	1007.0	969.7	..	31.1	20.2	12.6	14.8	33	..	2.3	..	9.3	0	3	18	1	2	15	1	0	1	1	0	7	0
	2030	,,	1009.5	970.7	..	27.5	19.1	13.2	15.3	41	..	1.0	..	10.4	0	3	17	0	1	15	3	0	0	1	0	8	0
	2330	,,	1010.0	971.4	..	25.3	18.1	12.8	14.9	47	..	0.7	..	13.1	0	5	20	0	0	15	10	0	0	0	0	3	0
Cuddapah	0830	130	1013.1	998.2	−0.9	24.4	20.6	18.4	21.1	70	+6	1.2	−0.2	1.1	0	0	7	0	0	7	0	0	0	0	0	21	0
	1730	,,	1008.4	993.9	..	31.7	22.6	17.2	20.0	43	..	2.2	..	3.9	0	0	22	0	1	20	0	0	0	0	1	6	0
Arogyavaram	0830	701	1013.0	985.1	..	20.9	16.2	12.8	14.7	63	..	3.4	..	6·2	0	0	24	1	0	0	11	6	5	0	1	4	0
	1730	,,	1007.6	981.8	..	27.7	18.0	11.2	12.8	38	..	3.5	..	9.9	0	1	27	3	0	19	2	3	0	1	0	0	0
Madras State (Including) Pondicherry) Madras	0830	6	1013.1	1012.4	..	25.1	22.6	21.2	25.9	79	..	3.8	..	4.8 (d)	0	0	22	1	4	2	2	2	4	4	0	6	3
	1730	,,	1009.9	1009.2	..	27.2	22.9	20.7	24.4	68	..	3.4	..	7.4	0	0	27	2	8	7	9	1	0	0	0	0	0
Madras (Minambakam)	0230	16	1010.8	1009.0	..	22.9	21.7	21.0	25.0	89	..	2.5	..	3.1	0	0	18	1	1	2	2	0	2	6	4	10	0
	0530	,,	1010.9	1009.1	..	22.3	21.2	20.7	24.4	91	..	2.6	..	4.4	0	0	21	3	0	0	0	1	4	8	5	7	0
	0830	,,	1013.3	1011.5	−0.9	24.8	22.5	21.2	25.3	81	+1	3.9	+1.7	6.5	0	0	26	5	2	1	0	1	3	11	3	2	0
	1130	,,	1012.9	1011.2	..	29.2	22.8	19.3	22.5	55	..	4.3	..	11.3	0	2	25	2	9	7	1	6	1	0	0	1	1
	1430	,,	1010.0	1008.3	..	29.8	23.0	19.4	22.4	54	..	3.9	..	13.6	0	3	25	2	9	11	3	2	1	0	0	0	0
	1730	,,	1010.0	1008.2	..	27.6	22.8	20.3	23.8	65	..	4.0	..	14.5	0	2	26	1	8	11	5	3	0	0	0	0	0

(R) Register not received.

(d) Mean of 27 days.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madras State (Including) Pondicherry—(Contd.)																											
Madras (Minnambakam)—(*Contd.*)	2030	16	1012.1	1010.3	..	25.3	22.6	21.2	25.3	78	..	2.2	..	9.1	0	0	28	4	8	7	7	2	0	0	0	0	0
	2330	,,	1012.4	1010.6	..	24.1	22.2	21.2	25.3	84	..	2.1	..	6.9	0	0	25	3	9	3	8	1	0	0	1	3	0
Vellore . . .	0530	214	1011·3	986·7	..	20·1	18·9	18·3	20·9	90	.	2·6	..	0	0	0	0	0	0	0	0	0	0	0	0	28	0
	0830	,,	1013·3	988·8	—0·9	22·1	19·8	18·5	21·3	80	—2	4·5	+2·1	1·0	0	0	9	1	1	0	0	1	1	4	1	19	0
	1130	,,	1012·9	988·9	..	27·9	21·1	16·9	19·5	52	..	3·7	..	4·8	0	0	27	4	8	1	1	1	5	4	3	1	0
	1730	,,	1009·2	985.0	..	29·9	20·5	14·3	16·5	40	..	3·5	..	10.3	0	0	28	0	8	9	9	2	0	0	0	0	0
	2330	,,	1012·5	987.8	..	23·9	20·4	18.3	21·2	71	..	1·4	..	2·6	0	0	19	0	4	9	4	2	0	0	0	9	0
Tambaram (Aerodrome)	0830	29	1012·8	1009·5	..	25·2	23·1	22·1	26·6	83	..	3·8	..	7·1	0	1	21	4	1	1	0	0	6	4	6	6	0
	1730	,,	1009·6	1006·4	..	28·0	23·3	20·7	24·4	66	..	3·9	..	24·6	0	18	10	1	11	11	5	0	0	0	0	0	0
Tiruppattur . .	0830	390	1013.4	968·9	..	19·4	17·9	16·9	19·3	82	..	7·1	..	2.8	0	0	26	24	1	1	0	0	0	0	0	2	0
	1730	,,	1008.2	965·1	..	28·7	20·2	14·7	16·7	46	..	7·0	..	7·4	0	0	28	10	8	7	1	2	0	0	0	0	0
Mettur Dam R.S.	0830	..	..	..	..	24·6	21·5	19·8	23·1	75	..	2·6	..	3·8	0	0	23	0	8	0	4	0	2	0	9	5	0
	1730	,,	..	..	..	28·1	24·5	22·8	27·7	73	..	4·5	..	6·0	0	0	28	0	11	0	8	0	8	0	1	0	0
Cuddalore	0530	12	1010.4	1009·0	..	22·2	21·1	20·9	24·7	90	..	4·7	..	0·7	0	0	4	1	3	0	0	0	0	0	0	24	0
	0830	,,	1012·8	1011·5	—1·3	24·1	22·4	21·5	25·6	85	+1	5·5	+2·5	4·7	0	0	24	3	11	0	7	0	1	0	2	4	0
	1130	,,	1012·6	1011·3	..	28·0	23·4	21·0	24·9	66	..	5·1	..	9·6	0	2	26	0	14	1	11	1	1	0	0	0	0
	1730	,,	1009·7	1008·3	..	26 9	23·4	21·6	25·8	73	..	4·2	..	13·4	0	2	26	0	15	4	9	0	0	0	0	0	0
	2330	,,	1010 8	1010·5	..	25·0	22·6	21·4	25·5	80	..	4·1	..	4·5	0	0	18	1	12	0	5	0	0	0	0	10	0
Kallakkurichchi .	0830	127	1012.9	998.4	..	23·7	20·9	19·2	22·2	77	..	3·9	..	4·8	0	0	20	9	0	0	0	0	0	3	8	8	0
	1730	,,	1008·6	994·4	..	30·3	21·0	14·8	16·8	42	..	3·7	..	11·5	0	1	27	0	14	7	7	0	0	0	0	0	0
Salem . . .	0530	278	1010·5	978·9	..	21·4	18·2	16·1	18·3	73	..	2·4	..	3·0	0	0	11	0	1	10	0	0	0	0	0	17	0
	0830	,,	1012·9	981·4	—1·2	23·4	19·0	16·0	18·2	64	—10	4·0	+2·3	2·4	0	0	10	0	0	10	0	0	0	0	0	18	0
	1130	,,	1011·7	980·8	..	29·2	20·0	13·7	15·7	40	..	3·8	..	7·4	0	0	26	0	5	14	4	0	0	0	0	2	3
	1730	,,	1007·3	976.7	..	30·9	19·9	11·9	13·9	32	..	5.0	..	9·6	0	1	25	0	2	19	3	2	0	0	0	2	0
	2330	,,	1011·3	980·0	..	24·9	19·1	15·1	17·1	55	..	2·8	..	11·9	0	4	21	0	1	24	0	0	0	0	0	3	0
Coimbatore (Pilamedu) . .	0530	399	1011·2	965·8	..	19·2	17·2	15·8	18·1	81	..	2·3	..	4·6	0	0	13	5	4	2	1	0	1	0	0	15	0
	0830	,,	1013·2	968·2	..	22·3	18·8	16·5	19·0	71	..	3·1	..	11·1	0	1	24	7	12	4	1	1	0	0	0	3	0
	1130	,,	1011·9	967·7	..	27·7	19·4	13·5	15·7	43	..	3·7	..	14·1	0	5	20	3	15	5	1	0	0	0	0	3	1
	1730	,,	1007·3	963·7	..	30·2	19·4	11·3	13·7	33	..	4·1	..	21·2	0	13	15	0	9	16	0	1	2	0	0	0	0
	2330	,,	1011·6	966·8	..	23·1	18·7	15·6	18·1	64	..	1·7	..	13·6	0	4	21	0	6	12	0	5	2	0	0	3	0
Coimbatore . .	0830	409	1013·0	967·1	—0·9	22·8	19·0	16·4	18·6	68	—10	3·5	+0·5	20·0	0	20	7	0	2	13	12	0	0	0	0	1	0
Nagapattinam .	0830	9	1012·8	1011.7	—1·0	25·8	22·8	21·3	25.3	76	—1	5·0	+1·3	11·1	0	5	21	4	10	3	2	1	0	0	6	2	0
	1730	,,	1009·4	1008 3	..	27·2	23·4	21·6	25·8	72	..	4·4	..	19 9	0	15	13	1	16	7	4	0	0	0	0	0	0
Tiruchchirappalli .	0230	88	1010·3	1000.3	..	22·7	21.3	20·5	24·1	88	..	2·7	..	9·1	0	3	18	4	17	0	0	0	0	0	0	7	0
	0530	,,	1010·3	1000.2	..	21.9	20.8	20.2	23.7	90	..	3·7	..	6·3	0	0	16	3	12	1	0	0	0	0	0	12	0
	0830	,,	1012·6	1002·6	—1 7	24.3	21.7	20.3	23.8	79	—2	4·1	+1·8	11·5	0	3	21	11	8	0	2	0	1	1	1	4	0
	1130	,,	1012·1	1002·3	..	28.8	22.4	18.7	21.6	55	..	4·5	.	15·6	0	9	17	3	17	2	2	1	0	1	0	2	0
	1430	,,	1008·6	998·8	..	31.5	22.6	17.5	20.0	44	..	4·6	..	17 0	0	10	17	1	17	6	1	0	1	1	0	1	0
	1730	,,	1008·2	998·4	..	30.5	22.2	17.7	20·2	46	..	4·6	..	19 0	0	12	16	0	12	14	1	0	0	0	1	0	0
	2030	,,	1010·6	1000.7	..	26.2	21.8	19.4	22·5	67	..	2·4	..	16·1	0	6	22	0	8	14	5	1	0	0	0	0	0
	2330	,,	1011·6	1001.6	..	23.8	21.7	20.6	24.3	83	..	2.4	..	11·7	0	0	27	2	12	8	4	1	0	0	0	1	0
Vedaranniyam .	0830	4	1012·7	1012·2	..	25.2	23.0	21.7	25.9	80	..	2.0	..	5·0	0	0	27	7	16	0	3	0	0	0	1	1	0
	1730	,,	1009·5	1009·0	..	26.9	23·5	21.8	26.1	74	..	1.7	..	4·0	0	0	27	6	16	0	5	0	0	0	0	1	0
Atirampattinam .	0830	6	1012·4	1011·7	..	24.2	22.6	21.7	25.9	87	..	4·0	..	8·6	0	0	28	11	3	0	1	1	0	0	12	0	0
	1730	,,	1009·2	1008·5	..	28·5	22·9	19·6	22.8	60	..	4·0	..	15·3	0	2	26	3	15	0	8	2	0	0	0	0	0
Madurai . . .	0830	133	1012·8	998·0	—0 8	24.5	21.6	19.9	23·4	73	—3	3·4	+0·1	4·1	0	0	27	13	6	0	0	0	0	1	6	1	1
Madurai Aerodrome.	0530	131	1010·6	995·5	..	21.8	20.5	19.8	23.1	88	..	3·5	..	6·7	0	2	19	2	18	0	0	0	0	0	1	7	0
	0830	,,	1013·0	998·1	..	24·6	21.7	20.0	23.4	76	..	4·3	..	9·3	0	1	25	15	10	1	0	0	0	0	0	2	0
	1130	,,	1012·1	997·3	..	28·9	22·8	19.4	22·5	57	..	4·7	..	11.9	0	2	26	8	14	4	0	0	0	0	2	0	0
	1730	,,	1008·3	993·6	..	30·4	22·4	17·8	20.4	47	..	4·4	..	14·0	0	5	23	1	15	11	1	0	0	0	0	0	0
Tondi . . .	0830	5	1012·6	1012.0	..	24·9	22.8	21.8	26.1	83	..	4.0	..	10.5	0	2	26	19	5	1	2	0	0	0	1	0	0
	1730	,,	1009·0	1008.4	..	27.5	24.2	22.6	27.4	75	..	4.0	..	21.5	0	18	10	1	14	11	2	0	0	0	0	0	0
Pamban . .	0830	11	1011·8	1010.5	—1·6	25.8	23.9	22.8	28.4	84	+5	4.6	+2.0	8.0	0	2	25	1	17	7	0	2	0	0	0	1	0
	1730	,,	1008.7	1007.4	..	27.0	24.3	23.1	28.1	80	..	4.7	..	8.9	0	1	27	1	21	4	1	1	0	0	0	0	0
Tuticorin . .	0830	4	1012.6	1012.2	—0·8	25.4	22.7	21.2	25.2	78	+3	2.8	—0·2	11.0	0	2	26	14	8	0	0	0	1	0	5	0	0
	1730	,,	1008.6	1008.2	..	27.6	24.2	22.5	27.3	74	..	4.1	..	28·0	0	23	5	0	10	15	1	1	0	0	1	0	0
Palayankottai . .	0830	51	1012.8	1007·0	—0·5	25.2	21.8	20.0	23.4	73	—2	5·9	+2·0	7·2	0	0	28	24	0	0	0	0	0	3	1	0	0
	1730	,,	1008·1	1002·4	..	30.5	22.4	17.6	20.1	48	..	5·0	..	12·6	0	0	28	5	8	11	2	1	0	0	0	0	1

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madras State (Including Pondicherry)—(*Contd.*)																											
Kanniyakumari	0830	37	1011·3	1007·3	..	26·3	21·4	18·5	21·3	63	..	3·5	..	21·7	0	19	8	11	13	1	0	0	0	1	1	1	0
	1730	,,	1007·6	1003·6	..	28·2	22·9	19·9	23·2	62	..	4·0	..	24·9	0	21	7	0	13	10	1	1	0	2	1	0	0
Coastal Mysore																											
Karwar	0830	4	1012·2	1011.7	−0.6	21·8	19·6	18·2	20·9	80	0	1·2	−0 7	4·7	0	0	27	0	1	16	4	0	0	0	0	1	6
	1730	,,	1008·7	1008·2	..	28·9	24·5	21·4	25·5	67	..	1·0	..	16·0	0	8	20	0	0	0	0	0	0	0	24	0	4
Honavar	0830	26	1012·2	1009·2	−1·3	22·7	19·0	16·6	19·0	70	−4	3·5	+1·1	4·1	0	0	27	0	0	27	0	0	0	0	0	1	0
	1730	,,	1008·3	1005·4	..	29·3	23·3	20·2	23·7	60	..	3·0	..	7·4	0	0	27	1	0	1	0	0	1	11	13	1	0
Mangalore (Bajpe)	0230	102	1009·5	997·9	..	23·1	21·3	20·2	23·8	84	..	1·5	..	3·0	0	0	20	1	4	14	1	0	0	0	0	8	0
	0530	,,	1009·5	997·8	..	22·0	20·2	19·1	22·2	84	..	2·3	..	3·9	0	0	22	0	0	21	1	0	0	0	0	6	0
	0830	,,	1011·8	1000·3	..	24·7	20·9	18·5	21·6	70	..	2·7	..	5·5	0	0	26	0	2	24	0	0	0	0	0	2	0
	1130	,,	1011·5	1000·2	..	30·7	21·5	15·6	18·1	42	..	3 0	..	8·6	0	1	24	1	0	9	6	0	2	2	5	3	0
	1430	,,	1008·2	996·9	..	31·4	22·4	16·8	19·7	44	..	3·1	..	12·9	0	1	27	0	1	4	1	0	1	18	3	0	0
	1730	,,	1007·7	996·4	..	29·1	22·5	18·9	21·8	55	..	3·2	..	12·6	0	0	28	0	0	0	0	0	0	22	6	0	0
	2030	,,	1010·1	998·6	..	25·9	22·5	20·7	24·4	73	..	2·6	..	5·1	0	0	24	1	0	0	0	0	0	7	16	4	0
	2330	,,	1010·7	999·1	..	24·6	22·2	20·9	24·9	80	..	1·9	..	2·3	0	0	13	8	1	2	0	0	0	0	2	15	0
Mangalore	0830	22	1011·7	1009.2	−1·5	25·1	21·2	18·7	22·1	69	−4	1·9	+0·1	4·0	0	0	28	1	1	20	5	1	0	0	0	0	0
	1730	,,	1008·0	1005·5	..	29·0	24·5	22·0	26·9	65	..	1.8	..	6·2	0	0	28	0	0	0	0	0	2	4	15	0	7
Interior Mysore, North																											
Bidar	0830	664	1012.9	939.0	..	21.3	16.3	13.0	14.9	63	+10	0·3	−1·1	10.4	0	14	14	4	3	4	3	3	7	2	2	0	0
	1730	,,	1007.4	935.7	..	29.1	18.2	10.9	12.9	34	..	0·4	..	10·9	0	4	19	2	8	0	4	3	2	4	0	5	0
Gulbarga	0830	458	1013·0	961·4	−1 0	22·5	15·1	9·2	11·8	43	−5	0·6	−0·1	4·3	0	0	13	2	1	7	1	1	0	0	1	15	0
	1730	,,	1006·9	957·2	..	31·7	17·7	6·3	10·0	21	..	2·1	..	9·1	0	2	26	0	3	12	3	5	1	2	2	0	0
Bijapur	0830	594	1012·7	946·2	−1·1	21·1	15·6	11·6	13·7	56	+4	0·5	−0·5	1·5	0	0	15	2	0	2	4	3	0	0	4	13	0
	1730	,,	1007·3	943·2	..	30·9	19·6	12·5	14·5	33	..	1·8	..	1·8	0	0	22	4	4	5	2	0	1	4	2	6	0
Raichur	0830	400	1012·5	967·6	−1·1	23·5	17·5	13·1	15·2	53	−1	3·3	+2·3	3·8	0	0	21	1	5	0	8	1	2	0	3	7	1
	1730	,,	1007·2	963·8	..	31·6	19·2	9·8	12·2	28	..	3·0	..	5·3	0	0	25	0	8	0	13	0	2	0	2	3	0
Belgaum	0830	753	1012·8	929·1	−1·0	19·9	14·7	10·6	12·9	56	−3	0·4	−0·7	1·8	0	0	14	0	0	12	0	0	0	2	0	14	0
	1730	,,	1006·3	925·5	..	28·8	17·1	8·0	10·9	28	..	1·6	..	6·1	0	0	28	0	0	6	6	2	3	9	2	0	0
Belgaum (Samba)	0530	747	1011·2	927·4	..	16·9	12·9	9·5	11·9	63	..	1·1	..	3·0	0	0	14	0	4	5	4	0	1	0	0	14	0
	0830	,,	1012·5	929·5	..	20·4	14·5	9·8	12·2	52	..	2.4	..	5·5	0	0	23	0	8	3	7	1	1	3	0	5	0
	1130	,,	1011·0	929·9	..	27·0	16·3	7·6	10·8	31	..	2.6	..	11·6	0	2	26	2	5	3	13	1	1	3	0	0	0
	1430	,,	1006·9	926·8	..	29·7	16·5	5·5	9·1	23	..	2.9	..	10·2	0	3	25	0	4	5	8	3	3	3	2	0	0
	1730	,,	1006·2	926·1	..	29·4	16·7	6·6	9·7	24	..	2.5	..	10·0	0	3	25	0	2	6	5	2	3	9	1	0	0
	2030	,,	1009·9	928·0	..	23·5	16·9	12·2	14·5	51	..	0.9	..	8·9	0	0	25	0	1	4	0	0	4	16	0	3	0
Gadag	0530	650	1010·9	938·1	..	18·9	15·6	13·2	15.3	70	..	1.0	..	5·6	0	0	22	1	0	5	7	1	1	6	1	6	0
	0830	,,	1012·8	940·1	−1·0	20.1	15·9	12·9	14·9	65	+8	1.3	+0·4	3·4	0	0	19	1	3	4	6	0	1	4	0	9	0
	1130	,,	1011·1	940·5	..	28·2	18·4	11·4	14·0	36	..	2.3	..	9·4	0	2	25	2	2	5	9	1	1	5	2	1	0
	1430	,,	1007·1	937·3	..	31·1	19·3	11·2	13·7	31	..	2.5	..	8·5	0	0	27	1	10	8	2	1	0	3	2	1	0
	1730	,,	1006·4	936·6	..	30·7	18·8	10·4	13·0	30	..	2·3	..	4·8	0	0	26	0	7	8	2	0	1	5	3	2	0
	2030	,,	1009·5	938.4	..	25·8	17.1	10.9	13·2	40	..	0.9	..	5·4	0	0	23	0	3	8	4	0	2	6	0	5	0
	2330	,,	1011·0	939·0	..	22·6	16.6	12·3	14.5	53	..	0·8	..	6·3	0	0	26	0	1	8	4	0	0	13	0	2	0
Interior Mysore South																											
Bellary	0830	449	1012.6	962.0	−1·1	22.4	17.3	13.4	15.6	59	+5	1·3	−0·1	5.7	0	0	22	0	0	3	8	4	2	0	5	6	0
	1730	,,	1007.1	958·1	..	31.9	19.4	9.9	12.3	27	..	3·4	..	7.6	0	0	27	0	0	7	13	1	1	0	5	1	0
Chitradurga	0830	733	1012.3	931.2	−0·8	21.6	17.5	14·9	16.9	67	+13	2·5	+0·9	5.1	0	0	22	0	0	11	3	3	2	3	0	6	0
	1730	,,	1008.9	927.4	..	29.7	20.0	14.7	16.3	39	..	3·0	..	2.3	0	0	15	0	0	14	0	0	0	1	0	13	0
Shimoga	0830	571	1012.9	948.6	−0·7	19.4	16.6	14.6	16·6	75	−1	4·2	+1·6	2.6	0	0	27	2	3	6	2	5	8	1	0	1	0
	1730	,,	1005.6	944.0	..	30.0	18.9	10.6	13.2	31	..	3·2	..	6.1	0	0	23	1	3	11	1	1	5	1	0	5	0
Agumbe	0830	..	..	..	..	19.0	16.8	15.4	17.5	81	..	..	..	7.6	0	1	26	0	19	6	2	0	0	0	0	1	0
Balehonnur	0830	..	..	..	..	20.3	16.5	14.0	16.0	68	−12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hassan	0830	960	1512.9	907.2	..	17.2	14.9	13.2	15.3	78	+10	1.7	−0·5	2.6	0	0	28	3	2	11	3	0	3	5	1	0	0
	1730	,,	1498.5	903.7	..	27.5	16.6	7.8	10.9	30	..	3.7	..	2.3	0	0	26	0	2	12	6	1	0	3	2	2	0
Bangalore	0230	921	1498.1	909.6	..	18.0	15.5	13.7	15.8	77	..	0.9	..	5.7	0	0	23	0	0	15	6	0	1	1	0	5	0
	0830	,,	1518.2	911.6	−0·8	19.0	15.5	13.0	15.1	70	0	3.0	+1·2	6.3	0	0	25	0	1	13	6	1	4	0	0	3	0
	1130	,,	1530.4	911.5	..	25.7	16.9	10.5	12.9	39	..	2.9	..	9.9	0	2	25	1	1	14	7	0	4	0	1	1	0
	1430	,,	1508.8	908.8	..	27.7	17.5	10.1	12.5	34	..	3.8	..	7.6	0	1	21	0	0	14	6	0	0	0	2	6	0

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Interior Mysore, South—*Contd.*																											
Bangalore—*Contd.*	1730	921	1503·3	908·4	..	26·7	17·1	10·2	12·5	37	..	3·8	..	7·0	0	0	24	1	1	16	4	0	1	0	1	4	0
	2030	,,	1511·4	910·1	..	22·4	16·3	12·0	14·1	53	..	1·4	..	5·8	0	1	21	0	0	19	2	0	0	0	1	6	0
Bangalore Aerodrome	0530	897	1491·1	911·9	..	16·4	14·9	14·2	15·9	84	..	1·9	..	3·5	0	0	13	0	1	10	1	1	0	0	0	15	0
	0830	,,	1517·5	914·1	..	19·0	15·9	13·4	15·9	73	..	3·6	..	6·4	0	0	21	0	1	11	3	1	3	1	1	7	0
	1130	,,	1529·6	913·9	..	25·4	16·8	10·4	12·9	41	..	2·7	..	11·8	0	0	27	0	0	15	5	3	2	2	0	1	0
	1730	,,	1500·4	910·6	..	27·0	17·3	10·2	12.4	37	..	4·0	..	11·0	0	1	24	1	0	19	3	0	2	0	0	3	0
	2330	,,	1512.8	913.4	..	20.0	16.2	13.5	15.5	67	..	1.4	..	9.1	0	0	24	0	0	16	6	0	1	1	0	4	0
Mysore . . .	0830	767	1013.0	927.9	—0.7	20.8	16.3	13.2	15.3	62	—4	1.5	—0.7	7.9	0	0	28	2	2	8	2	5	7	0	2	0	0
	1730	,,	1006.3	924.1	..	28.9	17.2	8.4	11.1	29	..	1.9	..	11.3	0	5	23	4	10	7	2	1	2	1	1	0	0
Kerala																											
Calicut . .	0530	5	1010.0	1009.4	..	23.2	21.8	21.0	25.0	87	..	1.0	..	3.8	0	0	19	0	2	16	0	0	0	1	0	9	0
	0930	,,	1011 6	1011.0	—1.4	24.6	21.8	20.2	23.8	77	—2	2 8	+0.7	5.1	0	0	25	1	4	17	2	0	0	0	1	3	0
	1130	,,	1011.9	1011.3	..	29.6	23.5	20.7	24.3	59	..	3 5	..	10.2	0	2	26	0	0	0	0	0	8	10	10	0	0
	1730	,,	1008.2	1007.6	..	29.4	24.5	22.2	26·6	65	..	3 1	..	13.8	0	2	26	0	0	0	0	0	0	9	19	0	0
	2330	,,	1011 0	1010.4	..	26.4	23.3	21.7	25.9	75	..	1 7	..	6.0	0	1	22	10	4	0	1	0	0	0	8	5	0
Palghat . .	0830	97	1012.2	1001.1	..	26.0	21.0	18.1	20.8	62	..	2.4	..	9.4	0	0	27	0	0	25	0	0	0	2	0	1	0
	1730	,,	1006.8	996.0	..	32.8	21.5	14.2	16.3	34	..	3.5	..	9.3	0	0	28	2	16	1	7	2	0	0	0	0	0
Port Cochin . .	0830	3	1011.8	1011.5	—1.1	26.6	22.7	20.7	24.4	71	—2	5 0	+3.2	6.2	0	0	27	3	13	11	0	0	0	0	0	1	0
	1730	,,	1007.6	1007.3	..	27.6	24.7	23.2	28.6	71	..	5 2	..	11.2	0	0	28	0	0	0	0	0	1	14	13	0	0
Cochin (Naval Air Station)	0230	3	1009·4	1009.1	..	24·6	23.0	22.3	26.7	87	..	2.2	..	0	0	0	0	0	0	0	0	0	0	0	0	28	0
	0530	,,	1009.4	1009.1	..	23.5	22.1	21.4	25.5	88	..	1.9	..	0.3	0	0	2	0	1	1	0	0	0	0	0	26	0
	0830	,,	1011.7	1011 3	..	26.0	22.6	20.7	24.6	73	..	3.3	..	1.0	0	0	5	0	4	1	0	0	0	0	0	23	0
	1130	,,	1011.5	1011.2	..	30.3	23·1	19.3	22.6	53	..	3.7	..	10.7	0	0	24	1	2	3	0	0	5	5	7	4	1
	1730	,,	1007.5	1007.1	..	29.3	23·9	21.2	25.2	62	..	4.6	..	15.5	0	1	27	0	0	0	0	0	3	20	5	0	0
	2330	,,	1010.9	1010.6	..	25.8	23.5	22.4	27.2	82	..	2.8	..	0.6	0	0	2	0	0	0	1	0	0	0	1	26	0
Alleppey . .	0830	4	1011.4	1011.0	—0.7	26.0	23.1	21.6	25.9	77	—1	3.2	—1.3	3.6	0	0	27	0	3	17	7	0	0	0	0	1	0
	1730	,,	1007.6	1007.2	..	29.4	24.8	22.6	27.6	68	..	3.3	..	23.0	0	25	3	1	0	0	0	0	6	8	13	0	0
Punalur . .	0830	34	1011.5	1007.6	..	23.8	21.6	20.5	24.0	83	..	4.0	..	0.2	0	0	2	0	0	1	1	0	0	0	0	26	0
	1730	,,	1008.2	1004.3	..	30.0	25.4	23.2	28.6	67	..	6.2	..	4.6	0	0	28	0	0	0	14	14	0	0	0	0	0
Trivandrum .	0230	64	1009.0	1001.7	..	24.6	22.3	21.3	25.0	82	..	2.3	..	2.1	0	0	12	3	4	1	0	0	1	0	3	16	0
	0530		1008.2	1001.8	..	23.7	21.5	20.3	23.8	82	..	2.4	..	5·4	0	0	24	5	9	4	1	0	0	0	4	4	1
	0830	,,	1011.3	1004.0	—1.4	25.4	22.2	20.5	24.1	75	—3	3.8	+1.7	3.9	0	0	20	4	9	3	0	1	0	0	3	8	0
	1130		1010.7	1003.5	..	30.6	22.8	18.4	21.4	49	..	4.7	..	5.8	0	0	25	2	3	2	2	1	7	4	4	3	0
	1430		1007.8	1000.6	..	30.5	23.2	19.3	22.4	52	..	4.7	..	10.4	0	0	28	1	0	0	0	0	16	8	3	0	0
	1730	,,	1007.8	1000.6	..	29.1	23.5	20.7	24.4	61	..	4.3	..	8·6	0	1	27	1	2	0	0	2	7	14	2	0	0
	2030	,,	1010.2	1002.9	..	26.8	23.2	21.5	25.5	73	..	2·9	..	4.2	0	0	22	5	2	1	0	1	4	3	6	6	0
	2330	,,	1010.7	1003.4	..	25.7	22.7	21.0	25.2	76	..	2·2	..	4.1	0	0	19	4	1	0	0	0	0	2	11	9	1
Trivandrum Aerodrome	0830	8	1011.4	1010.5	..	26.6	22.5	20.3	23.8	69	..	4.8	..	6.9	0	1	18	3	5	9	0	0	0	0	0	9	2
Arabian Sea Islands																											
Amini .	0530	4	1009.6	1009.2	..	25.0	22.7	21.4	25.6	81	..	3.3	..	4.6	0	0	19	0	3	0	0	0	0	6	8	9	2
	0830	,,	1011.9	1011.4	..	26.4	23.3	21.7	25.9	76	+3	3.4	+0.7	5.4	0	0	24	9	6	0	0	0	0	0	8	4	1
	1130	,,	1012.4	1012.0	..	30.6	24.5	21.6	25.6	59	..	3.5	..	6.9	0	0	28	6	4	1	0	0	0	0	9	0	8
	1730	,,	1009.0	1008.6	..	29.7	24.2	21.5	25.6	62	..	4.0	..	5.7	0	0	26	8	3	1	1	0	0	0	8	2	5
	2330	,,	1010.9	1010.5	..	25.3	22.7	21.5	25.5	72	..	1.9	..	4.4	0	0	17	1	0	0	0	0	0	6	9	11	1
Minicoy . .	0530	2	1009.5	1009.3	..	24.4	22.6	21.5	25.9	83	..	4.5	..	2.2	0	0	8	5	0	2	0	0	0	0	1	20	0
	0830	,,	1011.5	1011.3	—1.4	26.5	23.6	22.1	26.7	78	+4	5.6	+2.8	4.1	0	0	17	10	5	1	0	0	0	0	1	11	0
	1130	,,	1011.9	1011.7	..	29.0	24.4	22.1	26.7	67	..	5.5	..	6.9	0	0	27	8	10	1	1	0	0	1	6	1	0
	1430	.	1009.1	1008.9	..	29.1	24.6	22.5	27.3	68	..	5.8	..	7.7	0	0	28	16	4	2	0	1	0	0	5	0	0
	1730	,,	1008.8	1008.6	..	28.3	24.1	22.1	26.6	69	..	5.6	..	7.3	0	0	26	14	7	0	0	0	0	0	5	2	0
	2030	,,	1010.5	1010.3		26.4	23.3	21.7	25.9	76	..	3.4	..	6.1	0	0	23	13	7	0	0	0	0	0	2	5	1
	2330	,,	1011.2	1011.0	..	25.4	22.9	21.6	25.9	79	..	3.0	..	5.5	0	0	20	11	7	0	0	0	0	0	2	8	0
Hill Stations (excluding Kashmir)																											
Dalhousie .	0830	1959	1444.6	798.7	—0.2	5.1	2.1	—2.0	5.1	62	..	3.5	+1.0	2.9	0	0	22	0	8	3	8	0	0	0	2	6	1
	1730	,,	1433.5	796.0	..	7.0	5.0	2.3	7.2	74	..	4.0	..	1.7	0	0	11	0	4	1	2	0	0	0	0	17	4
Dharmsala . .	0830	1211	1558.0	886.4	+1.4	11.4	7·1	1.7	6.9	53	—3	4.1	+1.1	2.5	0	0	19	3	11	2	0	1	0	2	0	9	0
	1730	,,	1558.8	886.2	..	13.5	8.2	3.0	7.5	51	..	5.4	..	3.8	0	0	28	2	5	0	1	0	20	0	0	0	0

Division and station	Hour of observation I. S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hill Stations excluding Kashmir (*Contd.*)																											
Simla	0830	2202	1486·0	779·5	−1·0	4·8	1·2	−5·7	4·1	55	+9	3·6	0	1·3	0	0	13	2	1	0	4	5	0	0	0	15	1
	1730	,,	1484·3	779·6	..	6·0	2·6	−2·4	5·0	62	..	4·6	..	1·3	0	0	19	0	4	0	7	3	5	0	0	9	0
Lokpal	0830	..	..	..	..	−10·4	−12·2	−20·2	1·0	40	..	4·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Badrinath	0830								Closed during Winter Months																		
Joshimath	0830	..	..	..	..	3·5	0·8	−3·9	4·4	61	..	3·6	..	7·4	0	0	27	0	1	11	8	0	2	3	0	1	2
	1730	..	..	..	..	7·9	4·2	−0·3	6·0	59	..	6·1	..	3·2	0	0	22	1	1	3	3	1	6	4	1	6	2
Mussoorie	0830	2042	..	..	..	5·6	2·2	−2·9	4·8	59	−6	3·0	−0·8	3·9	0	0	26	10	3	0	1	3	2	0	7	2	0
	1730	,,	..	..	..	7·3	4·8	1·9	7.0	70	..	5.3	..	6.1	0	0	27	7	2	0	4	6	3	0	5	1	0
Mukteswar (Kumaun)	0830	2311	3092·7	771·2	−0·9	4·6	1·4	−4·1	4·3	61	+7	2·5	−0·6	12·3	0	3	23	1	7	7	1	0	2	5	3	2	0
	1730	,,	3085·8	770·1	..	5·7	3·2	−0·2	6·0	69	..	3·7	..	12.9	0	6	21	0	2	3	0	1	6	10	5	1	0
Nainital	0830	1953	1494·4	804·1	−0.3	5·5	2·5	−2·3	5·0	62	+15	2·5	+0.2	5·3	0	1	20	8	1	3	1	0	0	7	1	7	0
	1730	,,	1472·2	802·3	..	7·6	4·8	1·2	6·7	66	..	3·2	..	8·0	0	0	28	3	0	3	3	5	2	12	0	0	0
Kalimpong	0830	1209	..	..	..	16·8	15·2	14·1	16·1	85	+12	2·2	−0·6	3·3	0	0	28	0	0	0	2	0	1	0	25	0	0
	1730	,,	.	..	..	16·5	14·8	13·7	15·7	84	..	2·3	..	3·1	0	0	28	0	0	0	23	1	2	0	2	0	0
Darjeeling	0830	2128	1525.3	791.0	+2.8	7·9	5·3	2·4	7·3	70	−1	3.4	−0·4	1·6	0	0	10	4	1	0	0	1	3	0	1	18	0
	1730	,,	1502.8	788.8		8·0	5·5	2·7	7·4	71	..	4·1	..	4·4	0	1	13	0	0	0	0	0	13	1	0	14	0
Kohima	0830	1406	1564.0	866.2	..	13·2	11·9	10·8	12·9	88	.	1·3	..	3 6	0	0	28	4	0	0	6	0	0	0	15	0	3
	1730	,,	1543·3	863·9	..	15.9	14.2	12·8	14·8	82	..	2·9	.	4 2	0	0	28	6	0	0	3	0	0	7	11	0	1
Shillong	0830	1500	1521·6	852·4	+1·2	14·8	10.9	7·3	10·2	61	0	1 3	−0·8	4 8	0	1	10	1	1	0	0	1	6	1	1	17	0
	1730	,,	1500.4	849·9	..	14·2	11·9	10.0	12·3	77	..	4 1	..	1.2	0	0	3	0	0	0	0	1	1	1	0	25	0
Cherrapunji (R)	0830	1313																									
(R)	1730	,,																									
Abu	0830	1195	1484.3	880.0	−3.0	13·0	7·9	1.5	6.8	46	+3	0·4	−1·3	0.6	0	0	4	0	1	0	0	0	0	1	2	24	0
	1730	,,	1497·8	880·7	..	19.0	10.5	0·5	6·3	30	..	0·2	..	3·8	0	0	16	4	2	0	0	0	1	3	6	12	0
Aijal†	0830	..																									
	1730	..																									
Pachmarhi	0830	1075	1520·0	895·9	−0.4	16.3	9.9	2.4	7.1	42	−10	0·4	−1·3	1.7	0	0	15	2	0	5	2	0	1	2	3	13	0
	1730	,,	1505·3	893.5	..	21·7	12·1	1·7	6·4	28	..	1·1	..	2·6	0	0	24	2	4	1	0	1	0	7	9	4	0
Mahabaleshwar	0830	1382	1514·0	863 5	−1.0	16·3	10·4	4·2	8·4	46	−1	0·1	−0·5	10·2	0	0	28	1	9	0	7	0	4	0	7	0	0
	1730	,,	1501·0	861.9	..	23·1	14·5	7·3	10·2	37	..	0·8	..	10·3	0	0	28	0	5	0	4	0	3	0	16	0	0
Mercara	0830	1152	1512.5	886.9	−0.6	17·7	14·7	12·5	14·5	73	−1	1·1	−1.8	10·8	0	2	26	1	17	9	0	0	0	0	1	0	0
	1730	,,	1490·4	884.1	..	24·6	15·7	10·6	13·6	44	..	3·1	..	4·9	0	0	28	1	9	5	1	0	0	4	7	0	1
Ootacamund	0830	2249	1516·8	779 9	−0·9	10·5	7·9	6·3	9·0	76	+10	1·2	−0·6	1.4	0	0	13	2	5	1	0	3	0	2	0	15	0
	1730	,,	1486·2	778·3	..	16·2	13·0	10·6	12·9	70	..	3·3	..	1·8	0	0	22	0	0	19	1	2	0	0	0	6	0
Coonoor (R)	0830	1747																									
Kodaikanal	0830	2343	3146·5	771.4	−0.7	11·9	8·4	4·2	8·2	65	+13	4·7	+2.9	9·7	0	3	22	2	8	6	7	2	0	0	0	3	0
	1130	,,	3159.3	771·7		15·3	10·7	6·5	9.9	59	..	4·9	..	12.4	0	3	25	1	7	5	11	4	0	0	0	0	0
	1730	,,	3132·6	769·8		12·9	10·6	8·6	11·3	78	..	6·1	..	7·6	0	2	23	3	7	1	5	9	0	0	0	3	0
Nepal Katmandu	0830	1324	1504·7	869·0		7·0	5·9	4·6	8·6	85	..	2·0	..	0·3	0	0	3	2	0	0	0	0	1	0	0	25	0
	1130	,,	1502·6	868·2	..	16·4	10·4	4·0	8·5	45	..	2·6	..	1·6	0	0	14	2	1	0	1	1	0	0	9	14	0
	1730	,,	1479 1	865·9	..	15·1	10·0	4·6	8·6	50	..	2·6	..	1.6	0	0	11	4	1	2	0	0	1	1	2	17	0
Sikkim Lachen (R)	0830																										
Hydrometeorological observatories Damodar Catchment																											
Tilaiya	0830	..	..	..	..	19·5	13·1	6·8	9·9	44	..	0·7	..	6·5	0	0	24	0	0	0	2	0	6	9	7	4	0
	1730	..		..	..	23·9	14·2	4·4	8·4	28	..	0 8	..	5·5	0	0	25	1	0	2	0	0	0	10	12	3	0
Hazaribagh	0830	615	1013.4	943·9	..	18·8	13·0	8·1	10·8	50	..	0·5	..	5·6	0	0	26	2	0	3	2	1	4	10	4	2	0
	1730	,,	1009·8	941·0	.	20·7	14·0	8·5	11·1	47	..	1 0	..	4·2	0	0	25	1	0	0	1	0	2	13	8	3	0
Konar	0830	,,	.	..	.	19·5	13·9	8·8	11·3	51	..	0·8	..	4·1	0	0	26	0	0	0	5	0	1	12	8	2	0
	1730	,,	..	..	..	22·1	15·1	9·0	11·5	46	..	1·8	..	4·3	0	0	24	4	1	2	1	0	0	7	9	4	0
Bokaro	0830	242	1014.2	986.1	..	16·8	12.4	8·2	10·9	57	..	0·4	..	3·4	0	0	18	2	0	1	0	0	0	9	6	10	0
	1730	,,	1009·9	982·6		24·8	16·2	9·0	11·5	37	..	1·3	..	5·1	0	0	24	8	5	0	1	0	0	1	9	4	0
Maithon	0830	..	.	..	..	21·7	15·3	9·9	12·2	47	..	1·0	..	(e) 3·7	0	0	26	3	4	0	1	4	3	7	4	0	0
	1730	..	.	..	..	26·1	16·8	9·2	11·6	36	..	1·2	..	(f) 3·7	0	0	25	3	8	0	1	0	4	4	5	0	0
Ramgarh	0830	..	..	..	..	16·7	14·4	12·5	14·5	77	..	0·9	..	2·3	0	0	21	2	2	1	1	1	8	4	2	7	0
	1730	..	..	..	..	23·6	20·5	18·7	21·6	77	..	1·3	..	1·5	0	0	14	1	0	0	0	1	4	3	5	14	0

†Data for less than 15 days hence no means. (R) Register not received. (e) Mean of 26 days. (f) Mean of 25 days.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of the nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry Bulb	Mean temperature in °C: Wet Bulb	Mean temperature in °C: Dew Point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud amount (Oktas): Mean Amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hydrometeorological Observatories, Damodar Catchment—(Contd).																											
Panchet Hills	0830	..	..	..	..	19.6	14·5	10·1	12·3	55	..	1·3	..	5·4	0	0	23	0	1	0	3	0	12	0	7	5	0
	1730	..	..	..	..	25·2	16·4	9·1	11·5	38	..	1·9	..	1·1	0	0	7	0	0	0	0	0	1	0	6	21	0
Durgapur	0830	..	..	..	..	20·8	15·2	10·6	12·8	52	..	0·9	..	4·6	0	0	23	1	2	2	0	1	3	1	13	5	0
	1730	..	..	..	..	26·1	17·1	9·9	12·2	37	..	1·5	..	3·9	0	0	24	2	1	2	3	2	2	2	10	4	0
Mahanadi Catchment																											
Ginabahar	0830	..	..	..	..	17·9	13·0	8·3	11·0	57	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hirakud	0830	159	1014·0	995·6	..	21·7	16·8	13·2	15·2	59	..	0·5	..	2·8	0	0	20	7	0	8	0	0	1	2	1	8	1
	1130	,,	1013·3	995·2	..	26·8	18·5	12 5	14·5	42	..	0·9	..	4·4	0	0	28	10	1	0	0	1	8	2	5	0	1
	1730	,,	1009.3	991·4	..	28·0	18·5	11·5	13·6	36	..	0·8	..	1·3	0	0	13	1	1	0	0	3	1	1	6	15	0
Bhimkund	0830	..	..	..	..	18·9	15·4	12·7	14·7	67	..	1·4	..	1.6	0	0	16	1	0	0	0	1	0	1	13	12	0
	1730	..	..	..	..	26·0	16·2	7·7	10·5	32	..	2·0	..	1·1	0	0	12	0	1	2	0	1	5	1	2	16	0
Sonepur	0830	..	..	..	..	22·8	18·7	16·0	18·2	65	..	..	..	5·8	0	0	22	3	0	12	3	1	0	3	0	6	0
Khijrawan	0830	..	..	..	..	18·5	15·6	13·5	15·3	74	..	0	..	3·5	0	0	27	4	3	0	8	2	9	0	1	1	0
	1730	..	..	..	..	22·9	18·0	14·3	16·6	63	..	0	..	3·6	0	0	27	1	12	0	3	0	8	0	2	1	1
Narmada Catchment																											
Bagra Tawa	0830	..	..	..	..	16·0	11·1	4·5	9·3	46	..	0·3	..	9·9	0	0	28	1	14	3	0	3	5	2	0	0	0
	1730	..	..	..	..	28·1	15·4	2·9	7·2	21	..	0·6	..	8·3	0	0	25	0	11	2	1	0	2	8	1	3	0
Punasa (R)	0830	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(R)	1730	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thikri	0830	..	..	..	..	21·8	13·8	5.8	9·3	36	..	0·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sabarmati Catchment																											
Daroi	0830	..	..	..	..	17·1	11·7	5·8	9·4	48	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	28·7	16·8	5·8	9·5	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gandak Catchment																											
Jomosom	†0830	,,	..	..	..	2·7	1·2	−0.7	6·1	80	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	4·6	2·5	0	6·2	74	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Khudi Bazar (R)	0830	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(R)	1730	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Timure	0830	,,	..	..	..	6·7	2·9	−2·9	5·2	52	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	12·0	6·7	0·5	6·5	48	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pokhara	0830	,,	..	..	..	13 3	10·1	7·0	10·2	66	..	2·2	..	1·3	0	0	9	6	1	0	0	1	0	0	1	19	0
	1130	,,	..	..	..	18·5	12·4	6·9	10·0	47	..	2·5	..	6·1	0	0	27	1	1	2	16	7	0	0	0	1	0
	1730	,,	..	..	..	18·1	12·3	6·9	10·2	50	..	3·7	..	3·3	0	0	19	1	1	2	10	4	1	0	0	9	0
Gorkha	0830	,,	..	..	..	13·6	9·5	5·1	8·9	57	..	1·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	††1130	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	16·2	10·7	5·1	8·9	49	..	2·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nuwakot	0830	,,	..	..	..	13·5	9·9	6·2	9·6	62	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	11·8	11·3	3·4	8·2	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghaghara Catchment (Trans Himalayan Region),																											
Dailekh	0830	,,	..	..	..	11·9	10·6	9·4	11·8	85	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	14·4	12·5	10·9	13·1	80	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghaghara Catchment																											
Dadeldhura	0830	,,	..	..	..	7·0	4·1	0·3	6·4	65	..	2·4	..	6.1	0	1	25	0	0	9	13	2	1	1	0	2	0
	1130	,,	..	..	..	9·5	5·6	1·1	6·7	59	..	3·4	..	6.0	0	0	28	7	3	5	4	1	1	1	6	0	
	1730	,,	..	..	..	8·5	5·5	2·0	7·1	66	..	3·9	..	4·1	0	0	24	1	1	3	3	1	4	4	7	4	0
Sallyana	0830	,,	..	..	..	12·1	8.7	5.0	8.8	63	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0
	1730	,,	..	..	..	13.2	9.6	6.0	9 .5	62	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Batwal	0830	,,	..	..	..	18·2	13·5	9·2	11·7	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	22·3	16·3	11·5	13·8	51		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Baghmati Catchment																											
Katmandu*	0830	1324	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1130	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

(R) Register not received. *Data included under Nepal. †Observations for 27 days. ††Data less than 15 days—Hence no means calculated.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observation, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hydrometeorological Observatories— (*Contd.*)																											
Kosi Catchment																											
Chautara	0830	..	..	..	..	10.7	7.2	3.6	8.1	62	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	15.4	9.4	4.2	8.4	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Walungchung Gola	0830	..	..	..	..	0.5	(f) 0.2	(f) −0.5	(f) 5.9	(f) 91	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	−0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Teplethok	0830	..	..	..	..	12.2	7.8	2.4	7.5	53	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	13.4	8.5	2.9	7.7	50	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bhojpur	0830	..	..	..	..	11.9	8.1	4.3	8.4	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	11.3	8.3	5.4	9.1	68	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Teplejung	0830	..	..	..	..	9.3	6.2	2.0	7.2	62	..	2.8	..	0.6	0	0	6	0	2	1	1	0	2	0	0	22	0
	1130	..	..	..	..	13.3	8.3	3.1	7.9	52	..	3.4	..	5.8	0	0	24	1	0	3	1	8	6	3	2	4	0
	1730	..	..	..	..	11.1	7.2	3.1	7.7	59	..	4.1	..	9.8	0	2	22	1	2	2	3	12	3	0	1	4	0
Okhaldhunga	0830	..	..	..	..	10.1	6.6	2.6	7.5	62	..	1.4	..	1.0	0	0	9	0		1	4	2	1	1	0	19	0
	1130	..	..	..	..	13.3	7.6	1.1	6.9	46	..	1.8	..	4.1	0	1	18	1	1	0	0	5	2	9	1	9	0
	1730	..	..	..	..	10.8	6.8	2.3	7.4	57	..	2.3	..	7.8	0	3	16	0	0	0	0	0	1	16	2	9	0
Chainpur*	0830	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Angbung††	0830	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Barahakshetra	0830	146	1014.9	997.7	..	16.2	12.6	9.2	11.8	64	..	1.6	..	3.9	0	0	23	0	3	8	3	3	4	2	0	5	0
	1130	,,	1012.9	996.2	..	23.5	15.9	9.3	11.9	42	..	2.1	..	6.3	0	0	25	0	0	0	0	0	20	3	2	3	0
	1730	,,	1010.2	993.2	..	21.2	14.9	9.1	12.0	48	..	1.8	..	2.9	0	0	21	0	2	8	4	1	2	2	2	7	0
Tista catchment																											
Gangtok	0830	1812	1501.3	819.1	..	8.5	6.1	3.5	7.9	72	..	2.7	..	0.3	0	0	2	0	2	0	0	0	0	0	0	26	0
	1130	,,	1490.7	818.6	..	13.5	8.8	4.1	8.2	55	..	3.4	..	2.9	0	0	23	0	0	0	0	10	8	5	0	5	0
	1730	,,	1471.4	816.4	..	10.3	7.6	4.9	8.7	70	..	5.4	..	3.1	0	0	15	1	3	0	4	6	0	1	0	13	0
Gezing	0830	,,	..	..	..	11.7	8.7	5.9	9.4	68	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	11.7	9.0	6.5	9.7	71	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

††Data not available. (f) Mean of 25 days. *Date not reliable.

MONTHLY MEANS OF UPPER WINDS

During the month, observations of velocity and direction of upper winds were made at 54 stations in India. Out of these, at 39 stations all the observations were taken by means of pilot balloons and at 14 stations some observations were made by means of pilot balloons while the other observations by the radiowind method. In the case of Bangalore, the observations were taken by following radiosonde balloon by means of an optical theodolite. Particulars of these stations, their co-ordinates and the approximate times of the regular pilot balloon and rawin ascents at each station are given in the table overleaf. All radiowind ascents have been indicated by means of an asterisk (*) against the scheduled hours.

Data from ascents made at the scheduled time or within two hours on either side of the scheduled times of regular observations have been used for averaging.

Data up to 9·0 km. a. m. s. l. are given under Table IV and data above 9.0 km. a. m. s. l. under Table V.

In Tables IV and V :

n—represents the number of observations ;

V—represents the mean wind speed in metres per second irrespective of direction ;

v—represents the resultant mean velocity in metres per second ;

D—represents the direction of the resultant mean wind in degrees East of North.

Means and resultant winds are given in this publication for the following heights :

Surface, 0.15 km. a. g., 0.3, 0.6, 0.9, 1.5, 2.1, 3.0, 3.6, 4.5, 5.4, 6.0, 7.2, 9.0, 10.5, 12.0, 14.1, 16.2, 18.0, 21.0, 24.0, 27.0, 30.0, 33.0 and 36.0 km. a. m. s. l. Of these, the levels 1.5, 3.0, 5.4, 7.2, 9.0, 12.0, 14.1, 16.2, 18.0, 21.0, 24.0, 27.0 and 30.0 km. a. m. s. l. are considered as the best approximations to the standard pressure levels 850, 700, 500, 400, 300, 200, 150, 100, 70, 50, 30, 20 and 10 mb. respectively.

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS IN INDIA

S. No.	Station	Lat. N.	Long. E.	Height of Anemometer head a.m.s.l. in metres	Data available from	Approximate times of flight (I.S.T.)			
1.	Agartala	23°53′	91°15′	17	28th November, 1951	0530		1730	2330
2.	Ahmedabad	23°04′	72°38′	61	19th May, 1928	0530*	1130	1730*	2330
3.	Allahabad/Bamhrauli	25°27′	81°44′	103	28th February, 1930.	0530*	1130	1730*	2330
4.	Ambala	30°23′	76°46′	279	18th March, 1928	0530	1130	1730	2330
5.	Anantapur	14°41′	77°37′	365	12th February, 1946	0530		1730	2330
6.	Asansol	23°41′	86°59′	135	29th May, 1942	0530		1730	2330
7.	Aurangabad/Chikalthan	19°51′	75°24′	583	7th October, 1951	0530		1730	2330
8.	Bahraich	27°34′	81°36′	134	1st October, 1961	0530	1130	1730	
9.	Bangalore	12°58′	77°35′	936	19th May, 1915	0530@	1130	1730@	2330
10.	Bareilly	28°22′	79°24′	181	12th January, 1943	0530		1730	
11.	Begampet	17°27′	78°28′	543	1st September, 1929	0530		1730	2330
12.	Bhagalpur	25°14′	86°57′	61	19th May, 1950	0530		1730	
13.	Bhopal/Bairagarh	23°17′	77°21′	532	17th February, 1955	0530		1730	2330
14.	Bhubaneshwar	20°15′	85°50′	54	5th December, 1942	0530		1730	2330
15.	Bhuj/Rudramata	23°15′	69°48′	90	14th September, 1937	0530		1730	2330
16.	Bikaner	28°00′	73°18′	229	18th October, 1946	0530		1730	2330
17.	Bombay/Santa Cruz	19°07′	72°51′	27	14th May, 1933	0530*	1130	1730*	2330
18.	Calcutta/Dum Dum	22°39′	88°27′	13	14th May, 1921	0530*	1130	1730*	2330
19.	Cochin/Willingdon†	09°56′	76°14′	13	16th March, 1942	0530		1730	2330
20.	Dehra Dun	30°19′	78°02′	692	1st October, 1958	0530		1730	
21.	Dibrugarh/Mohanbari	27°29′	95°01′	112	1st June, 1948	0530	1130	1730	2330
22.	Gadag	15°25′	75°38′	650	3rd May, 1943	0530		1730	2330
23.	Gangtok	27°20′	88°37′	1764	1st May, 1963	0830		1730	
24.	Gauhati	26°05′	91°43′	55	11th March, 1955	0530*	1130	1730*	2330
25.	Gaya	24°45′	84°57′	119	19th March, 1937	0530		1730	2330
26.	Gopalpur	19°16′	84°53′	24	15th February, 1946	0530		1730	2330
27.	Gorakhpur	26°45′	83°25′	83	5th January, 1943	0530		1730	
28.	Gwalior	26°14′	78°15′	208	7th May, 1938	0530	1130	1730	2330
29.	Imphal/Tulihal	24°46′	93°54′	782	29th March, 1952	0530	1130	1730	2330
30.	Jabalpur	23°10′	79°57′	402	30th July, 1928	0530		1730	2330
31.	Jagdalpur	19°05′	82°02′	562	25th March, 1948	0530		1730	2330
32.	Jaipur/Sanganer	26°49′	75°48′	403	6th June, 1953	0530		1730	2330
33.	Jamshedpur.	22°49′	86°11′	144	23rd July, 1942	0530		1730	
34.	Jharsuguda	21°55′	84°05′	240	1st May, 1944	0530		1730	2330
35.	Jodhpur	26°18′	73°01′	229	15th October, 1934	0530*	1130	1730*	2330
36.	Lucknow/Amausi	26°45′	80°53′	133	20th November, 1950	0530		1730	2330
37.	Madras/Minambakkam	13°00′	80°11′	29	8th April, 1926	0530*	1130	1730*	2330
38.	Mangalore/Bajpe	12°55′	74°53′	104	4th June, 1928	0530		1730	2330
39.	Minicoy	08°18′	73°00′	15	14th April, 1941	0530	1130	1730*	2330
40.	Nagpur/Sonegoan	21°06′	79°03′	316	23rd April, 1943	0530*	1130	1730*	2330
41.	New Delhi/Safdarjung	28°35′	77°12′	227	16th November, 1929	0530*	1130	1730*	2330
42.	Poona	18°32′	73°51′	593	5th January, 1925	0530		1730	2330
43.	Port Blair	11°40′	92°43′	95	13th March, 1926	0530*	1130	1730*	2330
44.	Raipur	21°14′	81°39′	308	15th July, 1944	0530		1730	2330
45.	Raxaul	26°59′	84°51′	83	28th October, 1957	0530		1730	
46.	Siliguri/Baghdogra	26°38′	88°19′	140	7th June, 1953	0530		1730	2330
47.	Srinagar	34°05′	74°48′	1595	1st August, 1962	0530*		1730*	
48.	Tiruchchirappalli	10°46′	78°43′	96	22nd June, 1936	0530		1730	2330
49.	Trivandrum	08°29′	76°57′	73	8th December, 1928	0530*	1130	1730*	2330
50.	Udaipur	24°35′	73°42′	587	24th June, 1947	0530		1730	2330
51.	Vengurla	15°52′	73°38′	8	20th November, 1941	0530		1730	2330
52.	Veraval	20°54′	70°22′	17	13th October, 1941	0530		1730	2330
53.	Vijaywada/Gannavaram	16°32′	80°48′	32	1st April, 1957	0530		1730	2330
54.	Vishakhapatnam	17°43′	83°14′	10	24th September, 1928	0530*	1130	1730*	2330

*Radio wind ascents.

@Radiosonde ascents followed by optical theodolite.

†Naval Meteorological office.

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

February, 1965 (Magha 12—Phalguna 9, 1886 Saka)

Station	AGARTALA												AHMEDABAD											
Time in I. S. T.	0530				1730				2330				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	0·7	0·3	170	28	1·4	1·0	280	28	1·5	3·1	257	28	1·7	0·6	346	28	3·3	1·5	072	28	2·9	1·4	332
0·15 a.g. .	25	3·2	0·7	040	28	3·3	1·9	289	28	4·8	1·5	275	28	8·5	3·6	333	28	4·1	1·5	071	28	4·6	1·5	326
0·3 a.m.s.l.	25	3·6	1·2	346	28	3·8	2·2	285	28	4·9	2·5	279	28	8·2	3·2	028	28	4·5	2·2	079	28	4·7	1·6	317
0·6 ,, .	25	4·2	1·8	228	28	3·8	2·4	174	28	4·3	2·8	280	28	7·9	2·6	023	28	4·9	1·2	067	28	4·6	1.3	319
0·9 ,, .	25	4·7	2·7	313	28	4·0	2·8	173	27	4·3	3·3	281	28	6·3	0·9	345	28	5·2	0·4	036	28	5·4	1·7	313
1·5 ,, .	23	6·3	4·3	304	28	5·3	4·2	280	27	5·3	4·7	275	28	5·8	1·7	268	28	5·4	2·2	280	28	4·6	1·5	287
2·1 ,, .	23	8·5	7·3	288	27	7·1	5·8	282	26	7·6	7·1	281	28	6·3	4·0	258	27	6·7	4·4	256	28	5·6	3·1	267
3·0 ,, .	22	11·3	9·8	286	26	10·9	10·4	279	24	10·0	9·6	277	28	9·8	8·6	267	27	9·0	7·3	260	28	9·5	8·1	269
3·6 ,, .	19	13·3	11·1	281	24	13·0	12·6	280	4	11·5	11·1	270	28	12·5	11·2	274	26	11.1	9.9	273	28	11·7	11·0	276
4·5 ,, .	17	16·5	16·1	270	22	17·3	16·9	277	1	12.0	12·0	255	28	16·7	15·7	279	26	15·1	14·5	277	28	15·8	15·2	283
5·4 ,, .	8	16·6	16·4	264	22	21·2	20·7	276					28	20·5	19·3	281	26	18·2	17·5	281	28	20·0	19·4	283
6·0 ,, .	5	19·4	19·2	265	18	24·0	23·5	273					28	23·4	22·5	283	25	21·6	20·6	281	28	24·5	23·9	283
7·2 ,, .					7	26·3	25·5	269					25	29·6	28·8	282	16	28·4	27·7	283	26	32·1	31·1	286
9·0 ,, .					3	33·7	33·6	263					20	41·8	39·0	282	9	38·6	37·4	280	18	40·4	38·3	284

Station	AHMEDABAD				ALLAHABAD/BAMHRAULI																AMBALA			
Time in I. S. T.	2330				0530*				1130				1730*				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	1·6	0·4	017	28	0·4	0·3	277	28	1·5	0·6	269	28	1·8	1·1	297	28	0·5	0·2	347	28	2·1	0·5	345
0·15 a.g. .	28	6·6	3·1	345	28	6·6	3·1	325	28	3·7	1·9	278	28	6·4	4·5	317	28	6·6	3·6	338	28	7·6	4·7	349
0·3 a.m.s.l. .	28	6·9	3·1	340	28	6·6	3·1	325	28	3·8	2·4	278	28	6·4	4·5	317	28	6·7	4·2	328	28	4·1	2·1	347
0·6 ,, .	28	6·8	3·1	340	28	7·2	4·0	312	28	4·8	2·8	273	28	6·4	4·2	310	28	6·6	4·1	325	28	7·9	3·8	345
0·9 ,, .	28	5·9	2·1	342	28	6·7	4·1	302	28	5·8	4·0	280	28	6·4	4·4	297	28	6·0	4·1	304	28	6·9	2·9	338
1·5 ,, .	28	5·9	1·8	260	28	8·1	6·6	287	28	7·7	5·4	292	28	7·1	6·1	290	28	6·4	5·0	281	28	6·3	1·5	314
2·1 ,, .	28	7·2	3·6	248	28	10·6	9·9	280	28	8·6	6·7	283	28	8·6	7·1	270	28	8·5	7·5	274	25	7·1	3·3	307
3·0 ,, .	27	8·3	5·8	260	28	13·3	11·5	278	27	10·5	9·2	281	28	11·0	9·7	272	22	11·0	9·6	267	21	7·2	5·8	291
3·6 ,, .	15	8·7	7·1	275	28	15·2	13·7	275	27	12·6	11·0	275	28	14·5	13·3	271	2	12·5	11·7	309	18	7·9	6·7	294
4·5 ,, .	2	11.0	10·1	288	27	16·6	15·2	267	24	15·3	14·3	273	28	16·3	15·2	273					15	11·1	9·5	289
5·4 ,, .					27	21·6	21·1	275	24	19·5	17·5	272	28	20·3	19·2	273					14	17·1	15·5	28[illegible]
6·0 ,, .					26	23·3	22·7	275	24	22·7	21·0	270	28	23·7	22·4	271					13	19·5	17·7	284
7·2 ,, .					26	31·0	29·3	276	21	28·9	26·9	271	28	32·0	30·7	270					7	26·0	25·3	280
9·0 ,, .					23	44·6	41·9	269	12	36·8	35·2	274	26	45·4	43·4	271					1	26·0	26·0	290

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

February, 1965 (Magha 12—Phalguna 9, 1886 Saka)

Station	AMBALA												ANANTAPUR											
Time in I. S. T.	1130				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	2·7	0·4	309	28	3·9	1·4	289	28	3·4	1·7	332	28	1·3	0·4	123	28	3·3	2·7	080	28	4·1	3·6	102
0·15 a.g. . .	28	5·9	1·4	360	28	6·5	2·4	303	27	10·0	6·9	332	28	5·4	2·3	129	28	5·7	4·6	083	27	8·7	7·8	108
0·3 a.m.s.l. .	28	3·3	0·5	347	28	4·6	1·9	296	27	5·2	3·4	328												
0·6 ,, .	28	7·7	2·1	359	28	7·4	2·6	307	27	9·5	6·4	331	28	6·1	2·8	137	28	5·1	3·8	085	27	9·1	8·1	109
0·9 ,, .	28	7·6	1·3	003	28	8·1	2·5	327	27	8·6	5·6	329	28	7·5	4·1	123	28	4·7	3·6	092	28	9·0	6·6	112
1·5 ,, .	27	7·1	3·9	026	28	7.1	1.7	326	27	6·4	3·1	311	28	7·0	4·5	101	28	4·7	3·3	098	28	5·4	3·9	102
2·1 ,, .	24	7·1	1·7	297	28	7·5	2·2	277	25	6·3	3·2	285	28	5·1	3·3	086	28	4·6	2·7	095	28	4·2	1·7	078
3·0 ,, .	20	6·3	4·4	299	23	7·4	4·3	284	22	6·5	4·3	262	28	4·3	1·0	025	26	4·7	1·1	126	27	4·7	1·1	003
3·6 ,, .	20	7·9	5·9	296	21	7·3	5·3	288	9	5·8	3·6	266	25	4·3	1·3	333	22	4·0	0·7	283	19	4·7	1·6	010
4·5 ,, .	14	11·1	9·9	292	18	9·7	7·8	282	1	5·0	5·0	280	25	5·8	3·1	307	17	6·1	3·7	306	3	5·3	5·3	020
5·4 ,, .	13	16·7	14·3	286	13	13·9	12·2	279					23	7·9	5·2	296	14	7·4	4·9	299	1	3.0	3·0	035
6·0 ,, .	12	19·7	18·5	282	12	16·5	14.8	277					23	9·2	6·4	296	14	7·9	5·0	299	1	3·0	3·0	120
7·2 ,, .	8	22·9	22·0	277	5	24·2	22·4	274					19	11·4	8·7	296	11	9·2	7·2	308				
9·0 ,, .													9	14·6	12·8	300	5	13·4	12·3	322				

Station	ASANSOL												AURANGABAD/CHIKALTHAN											
Time in I. S. T.	0530				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	0·6	0·5	291	28	0·9	0·7	325	28	0·6	0·2	321	28	1·1	0·3	282	28	3·4	1·7	249	28	2·0	1·6	301
0·15 a.g. . .	28	4·7	2·3	320	28	3·3	2·5	319	28	5·6	2·7	002	28	6·3	2·5	044	28	4·7	2·0	266	28	7·2	3·9	009
0·3 a.m.s.l. .	28	4·7	2·3	323	28	3·7	2·7	317	28	5.7	2.9	355												
0·6 ,, .	28	5·7	3·1	331	28	3·7	2·9	295	28	5·6	3·2	322												
0·9 ,, .	28	5.1	3·9	315	27	4·0	3·2	291	28	5·0	3·7	300	28	7·9	2·2	063	28	4·9	2·3	274	28	8·9	4·8	005
1·5 ,, .	27	6·3	5·6	288	27	5·1	4·6	284	28	5·6	5·0	273	28	7·3	0·1	342	28	5·3	3·1	277	28	6·9	2·4	350
2·1 ,, .	25	7·8	6·8	287	27	8·0	7·3	288	27	8·0	7·4	277	27	5·4	2·2	251	28	6·0	3·7	269	28	5·1	1·7	242
3·0 ,, .	18	10·0	9·5	283	27	11·7	11·2	290	25	12·0	11·4	280	27	6·5	4·0	234	26	7·2	4·9	269	26	6·9	4·1	224
3·6 ,, .	7	11·3	10·6	286	27	13·6	12·8	288	12	10·8	10·5	280	17	8·6	6·9	253	23	7·7	5·8	275	17	8·6	6.9	247
4·5 ,, .	2	14·0	14.0	292	24	16·2	15·5	282	5	14·0	12·8	276					21	11·7	10·2	281	1	4·0	4·0	277
5·4 ,, .					20	21·5	21·0	276	2	14·5	14·1	295					16	14·0	12·2	292				
6·0 ,, .					20	25·3	24·3	273									12	15·8	14·7	295				
7·2 ,, .					6	29·2	28·2	269									4	17·5	17·1	287				
9·0 ,, .					3	28·0	27·9	251																

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

February, 1965 (Magha 12—Phalguna 9, 1886 Saka)

Station	BAHRAICH												BANGALORE											
Time in I. S. T.	0530				1130				1730				0530@				1130				1730@			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	28	1·0	0·3	303	28	1·0	0·3	209	28	1·2	1.0	266	28	3·1	2·3	107	28	3·2	2·3	112	28	2·6	2·2	093
0·15 a.g.	28	6·2	2·6	327	28	3·4	0·5	218	28	3·7	2·0	262	28	6·9	4·6	111	28	5·2	3·7	107	28	5·4	4·5	092
0·3 a.m.s.l.	28	6.3	3.1	314	28	3.6	0.4	226	28	3·7	2·0	276												
0·6 ,,	28	6.4	2.1	329	28	5.5	1.0	228	28	4·9	2·9	282												
0·9 ,,	28	6·1	2·6	313	28	5·3	1·3	276	28	5·8	3·9	288												
1·5 ,,	28	7·2	4·1	293	28	5·6	2·8	290	28	6·6	5·1	293	28	7·7	6·1	109	28	5·1	4·2	105	28	5·3	4·4	096
2·1 ,,	28	9·5	7·2	286	28	6·9	5·5	288	28	7·6	5·6	273	28	5·6	4·3	092	28	4·6	3·6	094	28	4·7	3·7	095
3·0 ,,	28	12·0	10·3	286	27	10·1	9·0	286	27	10·1	8·6	272	28	5·0	2·1	127	24	5·1	3·1	075	27	3·8	1·7	076
3·6 ,,	22	12·0	11·4	289	27	12·3	11·3	280	27	11·3	9·8	272	28	4·7	1·0	012	23	4·3	1·5	076	27	4·3	0·5	350
4·5 ,,	16	13·3	12·6	285	23	14.7	14.0	287	22	14·0	12·3	272	27	5·0	1·5	305	23	4·7	1·2	047	26	5·0	2·4	333
5·4 ,,	12	16·8	16·3	284	22	17.7	16.8	279	18	17·8	14·8	271	26	5·7	3·2	309	23	5·3	2·0	332	25	6·0	3·5	321
6·0 ,,	11	19·8	19·4	278	19	21.2	20.5	280	16	20·1	19·3	271	25	6·8	3·8	310	22	5·3	2·5	330	25	6·7	4·3	312
7·2 ,,	4	23.5	23.5	270	9	24.3	23.6	274	10	26.9	24.4	275	24	7·9	5·1	305	21	7·8	4·4	317	25	7·9	5·5	318
9·0 ,,					1	55.0	55.0	274					20	10·9	7·2	296	19	10·2	6·2	300	24	9·3	6·6	300

Station	BANGALORE				BAREILLY								BEGAMPET											
Time in I. S. T.	2330				0530				1730				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	28	3.6	3·1	111	28	1·4	0·5	325	28	1·3	0·8	295	28	2·0	0·4	138	28	2·1	0·9	120	28	2·4	1·1	098
0·15 a.g.	28	9.5	8·5	112	28	6·6	2·9	335	27	4·3	2·5	298	27	6·3	2·2	158	28	3·9	1·6	122	28	6·5	3·4	117
0·3 a.m.s.l.					28	6.4	2·8	335	27	4·5	3·1	291												
0·6 ,,					28	8·0	3·0	324	27	5·7	2·8	291	27	4.8	1.8	151	28	3·3	1·6	122	28	4·9	2·7	111
0·9 ,,					28	8·0	3·0	312	28	5·9	2·9	289	27	7·0	3·3	146	28	3·9	1·6	132	28	6·7	3·7	130
1·5 ,,	28	8·8	7·9	106	28	7·8	4·1	294	27	6·0	3·9	282	27	6·2	1·9	138	28	4·4	1·2	148	28	5·3	2·4	144
2·1 ,,	28	4·9	2·6	076	28	8·4	6·2	290	27	7·1	5·0	275	27	5·3	0·9	316	28	4·3	0·4	234	28	4·6	0·8	257
3·0 ,,	27	5·3	1·9	040	24	9·7	8·4	286	27	8·4	6·5	275	26	5·7	2·7	310	28	4·7	2·3	286	28	5·9	3·9	291
3·6 ,,	25	5·4	1·9	064	24	10·9	9·9	288	27	9·9	8·0	280	26	5·5	2·9	298	28	6.2	4·3	275	16	6·4	4·6	293
4·5 ,,	21	4·8	0·4	353	21	14.7	13·5	277	21	12·7	11·6	284	26	7·6	6·2	290	25	9·4	7·8	289				
5·4 ,,	12	5·4	2·9	313	11	17·6	16·9	252	18	16·8	16·2	276	25	9·9	8·2	282	21	11·3	9·5	278				
6·0 ,,	10	4.8	3.0	288	6	22·2	21·7	265	15	19·1	18·6	275	25	11·3	9·4	282	19	12·9	11·1	285				
7·2 ,,	6	8.5	5.9	336					4	28·7	27·8	277	21	14·4	12·0	284	17	16·4	14·8	285				
9·0 ,,	1	18.0	18.0	345									13	16.5	14.8	268	6	14·5	11·7	288				

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 Km. above mean sea level

February, 1965 (Magha 12—Phalguna 9, 1886 Saka)

Station	BHAGALPUR								BHOPAL/BAIRAGARH												BHUBANESHWAR			
Time in I. S.T.	0530				1730				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	1·3	0·9	242	28	2·1	1·9	277	28	2·5	1·3	084	28	2·7	1·3	305	28	2·2	1·1	020	28	2·0	0·4	303
0·15 a.g. . .	26	4·8	3 0	267	28	4·7	4·4	287	28	7·7	3·4	076	28	4·0	1·9	309	28	7·5	2·8	029	28	4·0	1·9	235
0·3 a.m.s.l. .	26	4·8	2·9	292	28	5.1	4·5	287													28	4·5	3·1	215
0·6 ,, .	26	5·2	4·1	305	28	5·6	5·3	288	28	6·7	2·7	081	28	3·6	1·7	307	28	6·7	2·6	036	28	4·2	1·7	250
0·9 ,, .	26	6·2	5·6	299	28	6·1	5·7	284	28	8·2	3·0	073	28	4·6	2·0	304	28	7·5	2·7	359	28	3·8	1·7	302
1·5 ,, .	25	7·7	7·3	288	28	8·1	7·7	280	28	5·5	2·8	282	28	5·2	2·4	278	28	5·6	2·3	275	27	4·9	3·5	312
2·1 ,, .	20	9.1	8·7	287	22	9·8	9·1	280	28	7·0	5·7	271	28	6·6	4.7	259	28	6·7	5·0	253	27	6·3	4·9	306
3.0 ,, .	6	7·1	6·8	302	13	11·7	11·4	288	28	11·0	9·5	255	28	10·5	9·1	259	28	10·9	9·1	254	27	7.7	7·0	288
3·6 ,, .	2	7·0	6·9	285	10	14·3	14·0	295	28	12·6	10·9	260	26	12·9	11·8	268	19	11·2	9·6	274	26	9·2	8·1	280
4·5 ,, .	1	10·0	9·9	290	1	7·0	7·0	265	28	15·2	13·7	266	25	15·6	14·6	273					25	13.1	11·7	279
5·4 ,, .									29	17·3	16·2	273	23	19·1	18·4	276					16	15·2	14·3	269
6·0 ,, .									20	20·5	19·5	275	21	22·2	21·3	278					12	17·0	15·2	273
7·2 ,, .									12	24·5	23·5	282	10	26·7	26·0	284					3	19·0	18·7	186
9·0 ,, .									2	27·0	27·0	290												

Station	BHUBANESHWAR								BHUJ/RUDRAMATA												BIKANER			
Time in I. S. T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	3·9	1·8	159	28	2·7	1·8	181	28	0·6	0·3	304	28	4·3	1·6	320	28	1.6	0·9	282	28	6·3	0·1	269
0·15 a.g. . .	28	5·0	2·5	155	27	5·9	4·8	185	28	5·1	2·9	343	28	4·9	2·1	295	28	6·1	2·9	289	28	7.0	4.0	168
0·3 a.m.s.l. .	28	4·8	2·0	163	27	6·1	4·8	190	28	6·4	3·0	347	28	5·0	2·1	295	28	6·8	3·5	310	28	5·5	3·7	165
0·6 ,, .	28	3·8	0·7	189	27	5·1	3·5	197	28	7·2	3·4	346	28	4·5	1·9	294	28	6·4	3·3	325	28	6·3	2·1	077
0·9 ,, .	28	3·3	0·8	292	25	4·1	1·6	249	28	6·4	2·9	344	28	4·2	1·8	290	28	5·8	2·6	322	27	4·2	1·3	.001
1·5 ,, .	27	4·4	2·9	303	25	4·8	3·4	316	28	5·6	2·3	310	28	4·1	1·9	289	28	5·9	1·0	313	26	6·0	4·0	317
2·1 ,, .	26	6·8	5·5	300	25	6·5	5·4	312	28	6·6	3·5	280	28	5·5	3·6	287	28	7·1	3·2	293	26	6·5	5·6	303
3·0 ,, .	21	10·1	8·8	295	23	8·0	6·9	292	28	9.1	6·5	282	28	9·4	7·6	280	28	8·5	6·2	281	24	8·5	5·5	300
3·6 ,, .	20	12·3	10·0	283	1	7·0	7·0	335	27	11·8	9·8	279	28	12·3	10·2	280	8	9·9	8·3	284	21	10·0	8·4	281
4·5 ,, .	12	14·7	13·4	270					25	14·2	13·0	285	28	14·8	14·1	279					16	12·6	11·6	354
5·4 ,, .	12	15·4	14·8	271					23	16·6	16·0	284	27	16·8	16·4	284					13	16·5	14·2	357
6·0 ,, .	9	19·3	18·4	270					22	19.1	18·5	285	27	19·7	19·1	286					11	18·4	17·5	354
7.2 ,, .	4	22·0	20·4	270					14	22.4	20·7	291	11	23.1	22·7	282					2	23·5	22·4	340
9.0 ,,									3	30·3	26·5	248	1	36·0	36·0	275								

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

February, 1965 (Magha 12—Phalguna 9, 1886 Saka)

Station	BIKANER								BOMBAY/SANTACRUZ															
Time in I.S.T.	1730				2330				0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	28	0·7	0·5	263	28	1·1	0·5	016	28	0·4	0·4	065	28	1·7	0·8	009	28	5·5	5·2	307	28	1·9	1·7	354
0·15 a.g. .	27	3·7	1·3	317	28	7·4	4·2	005	28	3·9	2·9	005	28	3·3	1·5	019	28	6·7	6·3	306	28	7·3	5·3	343
0·3 a.m.s.l. .	27	3·3	1·2	307	28	6·1	3·3	052	28	4·0	2·5	008	28	3·6	1·2	066	28	6·4	6·0	304	28	6·0	5·5	343
0·6 „ .	27	4·0	2·3	298	28	6.5	2·6	033	28	4·1	2·3	003	28	4·3	1·6	046	28	5·1	3·7	292	28	5·6	4.8	343
0·9 „ .	27	3·9	2·2	297	27	4·7	1·5	010	28	4·4	1·9	357	27	4·9	1·7	060	28	4·8	2·8	304	28	4·9	3·5	344
1·5 „ .	27	4·0	1·8	278	27	4·4	2·8	244	28	5·4	1·4	274	26	6·3	1·9	240	28	5·1	1·1	265	28	4·6	1·5	288
2·1 „ .	27	4·7	3·3	294	27	6·4	5·1	257	28	6·4	2·3	203	26	6.8	3·7	211	28	6·2	2·6	208	28	6·0	1·5	210
3·0 „ .	24	6·9	5·2	272	27	8·1	7·0	264	28	6·6	3·0	226	25	6·2	3·3	237	28	6·8	3·1	252	28	6·7	2·3	223
3·6 „ .	20	8·9	8·3	276	1	4·0	4·0	280	28	7·5	5·8	270	24	7·2	5·6	284	28	6·8	4·8	281	24	6·4	4·9	272
4·5 „ .	20	13·3	13·2	277					28	10·3	9·5	278	23	9·2	8·2	287	28	9·4	8·5	285	24	8·8	8·2	289
5·4 „ .	17	17.2	16·9	284					28	13·4	12·5	278	23	13·3	12·4	286	28	13·1	12·2	265	13	10·3	9.7	288
6·0 „ .	13	21·2	20·3	282					28	15·7	15·4	279	23	15·7	14·6	283	28	15·9	15·1	278	10	12·2	11.5	299
7·2 „ .	5	2·6	2·5	291					28	21·0	19·7	281	23	20·3	18·5	294	28	20·6	19·3	281	3	13·7	13·2	315
9·0 „ .									28	27·9	26·5	279	20	29·3	27·0	286	28	26·8	25·4	278				

Station	CALCUTTA/DUM DUM																COCHIN/WILLINGDON †							
Time in I.S.T.	0530*				1130				1730*				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	0·4	0·3	214	28	1·4	0·5	290	28	0.6	0·2	195	28	0·6	0·4	176	28	1·2	1·1	064	28	4·3	3·6	280
0·15 a.g. . .	28	4·6	1·0	278	28	3·1	1·5	314	23	4·1	2·1	295	28	4·6	1·6	215	28	3·7	3·0	062	28	6·9	6·6	283
0·3 a.m.s.l. .	28	4·7	1·0	280	28	3·1	1·6	299	28	4·1	2·2	292	28	4·3	1·2	256	28	3·2	1·9	060	28	6.9	6·6	290
0·6 „ .	28	4·5	1·2	301	28	3·3	2·0	292	28	4·4	3·0	294	28	4·1	2·1	287	28	3·5	1·6	089	28	5·1	4·2	317
0·9 „ .	28	4·4	2·4	301	28	4·1	2•8	298	28	4·5	3·4	292	28	4·6	3·5	295	28	3·9	1·8	098	28	4·1	2·9	018
1·5 „ .	28	6·2	5·4	307	28	6·6	5·4	294	28	5·3	4·7	288	28	7·0	6·6	294	28	4·9	3·4	077	28	6·3	5·5	061
2·1 „ .	28	7·9	7·2	298	26	7·8	7·1	290	28	7·8	7·0	296	28	8·9	8·3	284	28	6·1	4·1	070	28	8·4	7·0	080
3·0 „ .	28	10·1	9·6	286	24	11·0	10·5	284	28	11.3	10·8	285	13	8·4	8·0	283	28	4·4	0·7	131	25	4·9	3·0	081
3·6 „ .	28	11·3	10.8	281	22	13·1	12·8	276	28	13·3	12·6	285	1	11·0	11·0	255	22	5·6	1·5	121	24	6·0	2·5	051
4·5 „ .	28	15·0	14·4	273	19	15·6	15·3	277	27	17·7	17·0	277					10	6.0	2·4	059	21	6·3	3·5	056
5·4 „ .	28	19.6	18·8	264	17	18·3	17·7	272	26	20·9	19·8	272					4	9·3	2·9	325	13	6·5	4.9	036
6 0 „ .	28	21·3	20·6	263	15	21·7	21·0	269	26	23·6	22·4	270									10	6·9	3·0	041
7·2 „ .	28	28·1	26·8	267	13	26·7	26·1	270	27	31·0	29·7	269									4	8·0	2.4	341
9·0 „ .	28	36·7	34·6	267	6	32·3	32·1	266	27	37·4	35·5	267									2	11·0	10·9	352

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 Km. above mean sea level

February, 1965 (Magha 12—Phalguna 9, 1886 Saka)

Station	COCHIN/ WILLINGDON †				DEHRA DUN								DIBRUGARH/MOHANBARI											
Time in I. S. T.	2330				0530				1730				0530				1130				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	0·4	0·0	000	28	0·3	0·3	003	28	1·4	0·4	261	28	1·1	1·0	054	28	0·6	0·5	041	28	0·6	0·6	035
0·15 a.g. .	28	2·9	1·1	310	24	1·4	0·7	041	25	3·2	1·4	279	25	5·4	5·0	053	25	2·2	1·9	048	26	2·6	1·9	051
0·3 a.m.s.l. .	28	3·4	1·4	310									25	5·6	5·3	051	25	2·5	2·2	043	26	4·0	2.5	053
0·6 „ .	28	4·1	0·8	060									25	4·9	4·5	049	25	2·6	2·1	044	25	3·2	1·8	062
0·9 „ .	28	4·3	2·3	086	24	1·4	0·8	032	25	3·4	1·4	248	24	3·5	3·0	054	25	2·3	0·9	066	25	1·6	0.8	100
1·5 „ .	28	5·9	4·4	083	23	2·1	0·4	354	25	3·3	0·9	169	24	2·3	1·2	178	25	3·1	1·8	209	24	4.0	1·9	211
2·1 „ .	28	5·7	4·7	066	21	3·6	1·2	336	25	4·4	0·8	187	23	4·0	2·6	233	23	4·4	3·3	227	24	5.7	5·1	212
3·0 „ .	21	5·1	2·7	055	20	5·9	2·6	298	22	5·6	2·9	277	21	5·1	3·8	239	20	5·1	4·5	217	22	7·1	6·1	214
3·6 „ .	11	6·3	1·3	104	16	6·3	3·8	298	17	7·0	4·9	300	17	5·0	3·5	258	19	7·8	5·6	237	19	7·0	5·1	232
4·5 „ .	2	1.5	0·6	150	2	8·0	5·1	214	16	10·6	9·7	288	13	15·2	13·3	262	15	10·4	8·1	253	15	12·0	10·9	253
5·4 „ .									14	14·0	13·4	278	9	15·9	14·2	267	14	17·0	15·7	263	12	16·0	15·6	260
6·0 „ .									12	16·7	16·7	278	3	14·7	13·3	259	12	19·5	18·3	264	11	20·6	19·9	263
7·2 „ .									10	24·5	24·2	284					11	25·5	24·9	263	6	22·6	22·2	274
9·0 „ .																	10	34·6	33·9	266	1	35·0	34·7	246

Station	DIBRUGARH/ MOHANBARI				GADAG												GANGTOK							
Time in I. S. T.	2330				0530				1730				2230				0830				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	1·3	0·0	042	28	3·5	1·4	113	28	3·3	1·6	100	28	4·9	1·0	173	28	0·1	0.1	339	28	2·0	0·6	153
0·15 a.g. . .	23	3·9	3·5	038	28	6·6	2·9	108	28	4·2	2·1	090	28	8·8	0·9	129	25	1·4	0·4	121	17	3·8	3·1	184
0·3 a.m.s.l. .	23	3·8	3·3	043																				
0.6 „ .	23	3·0	2·6	063																				
0·9 „ .	23	2·2	1·7	085	28	8·3	4·1	107	28	4·4	2·0	082	28	8·5	1·3	093								
1·5 „ .	22	2·1	1·0	182	28	7·7	3·9	092	28	4·4	1·8	083	28	6·4	3·5	097								
2·1 „ .	22	5·0	3·9	239	28	5·2	3·1	086	28	4·3	1·6	091	28	5·0	4·1	090	25	1·4	0·7	166	17	3·6	3·3	167
3·0 „ .	20	5·1	5·1	239	28	4·5	0·7	073	28	4·5	1·1	032	27	3·9	1·7	062	23	3·0	2·4	163	12	3·7	2·4	174
3·6 „ .	16	6·0	5·4	248	28	4·6	1·9	281	27	5·3	2·1	329	25	5·0	1·8	355	25	4·7	2·9	237	10	4·0	3·5	232
4·5 „ .					28	7·0	4·5	307	27	6·6	4·0	305	20	7·1	4·1	294	19	11·7	9·9	258	8	7 0	6·7	260
5·4 „ .					28	8·4	6·7	293	25	7·9	6·0	292	14	7·8	6·3	268	18	16·4	14·8	260	7	18·1	17·7	258
6·0 „ .					28	9·7	7·7	294	24	10·1	8·5	309	9	9·9	8·9	274	15	21·1	19·4	256	4	22·0	21·7	267
7·2 „ .					28	13·9	11·5	305	25	13·1	11·1	297	6	12·5	11.9	295	9	22·2	20·8	262	2	22.5	22·0	273
9·0 „ .					27	17·0	14·7	294	21	15·4	13·7	286					5	33·4	33·1	275	1	54·0	54·0	280

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

February, 1965 (Magha 12—Phalguna 9, 1886 Saka)

Station	GAUHATI																GAYA							
Time in I.S.T.	0530*				1130				1730*				2330				0530				1730			
Alt. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	28	0·4	0·3	059	28	1·5	1·3	017	28	0·5	0·3	037	28	1·1	0·6	190	28	1·1	0·6	204	28	2·6	2·2	328
·15 a. g.	28	2·3	1·1	093	27	3·0	2·4	030	28	3·1	1·4	013	28	2·7	1·5	175	28	4·6	2·1	240	28	4·9	4·1	320
·3 a.m.s.l.	28	2·6	0·7	074	27	3.1	2·4	043	28	3·2	1·3	002	28	3·0	0·9	198	28	4.7	2.0	257	28	5·0	4·3	318
·6 ,,	28	3·3	0·2	021	27	3.1	1·4	070	28	2·9	0·7	334	28	3·5	0·5	217	28	5·8	3·4	293	28	5·3	4·4	309
·9 ,,	28	4·0	0·4	294	26	4·0	0·2	222	28	3·4	1·9	264	27	4·0	1·9	258	28	5·8	3·9	289	28	5·1	4·4	298
·5 ,,	28	4·7	2·4	262	26	5·4	2·5	236	28	5·1	4·8	256	27	5·6	4·9	263	28	6·4	6·0	285	28	7·0	6·4	281
·1 ,,	28	7·9	6·0	267	25	7·1	5·1	250	28	7·7	7·4	258	26	7·2	6.3	260	27	8·8	8·3	283	28	8·9	8·4	277
·0 ,,	28	11·4	10·3	279	25	10·7	9·8	267	27	11·9	11·1	268	24	9·9	8·6	267	27	12·4	11·8	286	27	12·5	11·6	284
·6 ,,	28	13·6	12·8	281	24	13·0	11·1	272	27	13·5	13·0	274	6	8·8	8·1	279	25	13·8	12·5	284	25	13·8	13·2	287
·5 ,,	28	18·7	17·9	278	22	16·9	16·1	266	26	17·7	17·3	275					17	15·3	14·8	282	22	17·9	17·3	284
·4 ,,	27	22.2	21·3	276	22	20·9	20·6	265	25	22·3	21·3	273					9	19·1	18·5	275	18	18·8	18.2	283
·0 ,,	26	26.5	25.6	274	21	24·3	24·0	265	24	25·3	24·3	270					7	20.1	20·0	272	12	19·5	18·6	283
·2 ,,	25	31.8	29.4	279	17	31·0	30·7	262	23	31·7	30.3	269					2	32·0	31·7	277	7	26·7	25·1	269
·0 ,,	18	43.1	38.7	273	14	45·0	44·3	261	21	40.9	39·4	271									1	37·0	37·0	280

Station	GAYA				GOPALPUR												GORAKHPUR							
Time in I.S.T.	2330				0530				1730				2330				0530				1730			
Alt. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	28	1·5	0·5	258	28	0·9	0·6	292	28	3·3	2·7	181	28	2·1	1·9	206	28	0·7	0·3	248	28	1·0	0·8	266
·15 a. g.	28	6·1	2·9	331	27	3·9	1·8	260	28	6·9	5·4	161	28	5·3	4·6	193	28	6·1	1·9	292	28	4·2	2·9	272
·3 a.m.s.l.	28	6·1	3·5	327	27	4·0	1·7	220	28	6·8	4·9	160	28	5·0	4·3	193	28	6·3	2·9	290	28	4·7	3·8	272
·6 ,	28	6·4	4·5	313	27	3·5	1·6	220	28	5·1	2·7	165	28	4·4	3·2	193	28	6·5	3·5	289	28	5·4	4·0	274
·9 ,,	28	6·5	5·1	293	26	3·3	1·1	270	28	3·8	0·8	179	28	4·0	1·3	199	28	6·3	3·2	285	28	5·9	4·5	274
·5 ,,	28	7·7	7·0	272	25	5·3	3·0	325	28	5·1	3·2	318	27	4·3	1·6	322	28	7·4	5·6	290	28	6·8	5·9	283
·1 ,,	26	8·7	8·0	275	25	6.2	4·0	314	28	6·4	5·4	310	25	4·7	3·8	305	28	9·4	7·7	286	28	8·4	7·9	290
·0 ,,	19	10·7	9·9	276	23	7·5	6·0	285	28	7·8	7·0	286	14	6·3	4·7	280	23	11·6	10·0	285	26	11·7	11·0	286
·6 ,,					22	8·6	7·0	275	27	8.9	8.6	280	1	4·0	4·0	295	18	12·9	11·6	280	22	13·1	12·2	282
·5 ,,					19	9·2	8·2	288	22	11.5	10.7	273					8	12.4	11·9	284	15	15.3	14.5	278
·4 ,,					14	13.2	10.9	280	20	14.8	13.7	269					4	13·3	12·9	274	10	18·0	17.3	275
·0 ,,					11	14·1	12·5	280	17	16.3	15.8	278					3	13·7	13·1	280	3	19·0	19·0	271
2 ,,					1	12.0	12.0	300	4	19·5	19·3	266									2	24·5	24·5	274
·0 ,,																								

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 Km. above mean sea level

February, 1965 (Magha 12—Phalgtna 9, 1886 Saka)

Station	COCHIN/ WILLINGDON †				DEHRA DUN								DIBRUGARH/MOHANBARI											
Time in I. S. T.	2330				0530				1730				0530				1130				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	0·4	0·0	000	28	0·3	0·3	003	28	1·4	0·4	261	28	1·1	1·0	054	28	0·6	0·5	041	28	0·6	0·6	035
0·15 a.g. .	28	2·9	1·1	310	24	1·4	0·7	041	25	3·2	1·4	279	25	5·4	5·0	053	25	2·2	1·9	048	26	2·6	1·9	051
0·3 a.m.s.l. .	28	3·4	1·4	310									25	5·6	5·3	051	25	2·5	2·2	043	26	4·0	2.5	053
0·6 „ .	28	4·1	0·8	060									25	4·9	4·5	049	25	2·6	2·1	044	25	3·2	1·8	062
0·9 „ .	28	4·3	2·3	086	24	1·4	0·8	032	25	3·4	1·4	248	24	3·5	3·0	054	25	2·3	0·9	066	25	1·6	0.8	100
1·5 „ .	28	5·9	4·4	083	23	2·1	0·4	354	25	3·3	0·9	169	24	2·3	1·2	178	25	3·1	1·8	209	24	4.0	1·9	211
2·1 „ .	28	5·7	4·7	066	21	3·6	1·2	336	25	4·4	0·8	187	23	4·0	2·6	233	23	4·4	3·3	227	24	5.7	5·1	212
3·0 „ .	21	5·1	2·7	055	20	5·9	2·6	298	22	5·6	2·9	277	21	5·1	3·8	239	20	5·1	4·5	217	22	7·1	6·1	214
3·6 „ .	11	6·3	1·3	104	16	6·3	3·8	298	17	7·0	4·9	300	17	5·0	3·5	258	19	7·8	5·6	237	19	7·0	5·1	232
4·5 „ .	2	1.5	0·6	150	2	8·0	5·1	214	16	10·6	9·7	288	13	15·2	13·3	262	15	10·4	8·1	253	15	12·0	10·9	253
5·4 „ .									14	14·0	13·4	278	9	15·9	14·2	267	14	17·0	15·7	263	12	16·0	15·6	260
6·0 „ .									12	16·7	16·7	278	3	14·7	13·3	259	12	19·5	18·3	264	11	20·6	19·9	263
7·2 „ .									10	24·5	24·2	284					11	25·5	24·9	263	6	22·6	22·2	274
9·0 „ .																	10	34·6	33·9	266	1	35·0	34·7	246

Station	DIBRUGARH/ MOHANBARI				GADAG												GANGTOK							
Time in I. S. T.	2330				0530				1730				2230				0830				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	1·3	0·0	042	28	3·5	1·4	113	28	3·3	1·6	100	28	4·9	1·0	173	28	0·1	0.1	339	28	2·0	0·6	153
0·15 a.g. . .	23	3·9	3·5	038	28	6·6	2·9	108	28	4·2	2·1	090	28	8·8	0·9	129	25	1·4	0·4	121	17	3·8	3·1	184
0·3 a.m.s.l. .	23	3·8	3·3	043																				
0.6 „ .	23	3·0	2·6	063																				
0·9 „ .	23	2·2	1·7	085	28	8·3	4·1	107	28	4·4	2·0	082	28	8·5	1·3	093								
1·5 „ .	22	2·1	1·0	182	28	7·7	3·9	092	28	4·4	1·8	083	28	6·4	3·5	097								
2·1 „ .	22	5·0	3·9	239	28	5·2	3·1	086	28	4·3	1·6	091	28	5·0	4·1	090	25	1·4	0·7	166	17	3·6	3·3	167
3·0 „ .	20	5·1	5·1	239	28	4·5	0·7	073	28	4·5	1·1	032	27	3·9	1·7	062	23	3·0	2·4	163	12	3·7	2·4	174
3·6 „ .	16	6·0	5·4	248	28	4·6	1·9	281	27	5·3	2·1	329	25	5·0	1·8	355	25	4·7	2·9	237	10	4·0	3·5	232
4·5 „ .					28	7·0	4·5	307	27	6·6	4·0	305	20	7·1	4·1	294	19	11·7	9·9	258	8	7 0	6·7	260
5·4 „ .					28	8·4	6·7	293	25	7·9	6·0	292	14	7·8	6·3	268	18	16·4	14·8	260	7	18·1	17·7	258
6·0 „ .					28	9·7	7·7	294	24	10·1	8·5	309	9	9·9	8·9	274	15	21·1	19·4	256	4	22·0	21·7	267
7·2 „ .					28	13·9	11·5	305	25	13·1	11·1	297	6	12·5	11.9	295	9	22·2	20·8	262	2	22.5	22·0	273
9·0 „ .					27	17·0	14·7	294	21	15·4	13·7	286					5	33·4	33·1	275	1	54·0	54·0	280

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 Km. above mean sea level

February, 1965 (Magha 12—Phalguna 9, 1886 Saka)

Station	GAUHATI																GAYA							
Time in I.S.T.	0530*				1130				1730*				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	0·4	0·3	059	28	1·5	1·3	017	28	0·5	0·3	037	28	1·1	0·6	190	28	1·1	0·6	204	28	2·6	2·2	328
0·15 a. g. .	28	2·3	1·1	093	27	3·0	2·4	030	28	3·1	1·4	013	28	2·7	1·5	175	28	4·6	2·1	240	28	4·9	4·1	320
0·3 a.m.s.l. .	28	2·6	0·7	074	27	3.1	2·4	043	28	3·2	1·3	002	28	3·0	0·9	198	28	4.7	2.0	257	28	5·0	4·3	318
0·6 ,, .	28	3·3	0·2	021	27	3.1	1·4	070	28	2·9	0·7	334	28	3·5	0·5	217	28	5·8	3·4	293	28	5·3	4·4	309
0·9 ,, .	28	4·0	0·4	294	26	4·0	0·2	222	28	3·4	1·9	264	27	4·0	1·9	258	28	5·8	3·9	289	28	5·1	4·4	298
1·5 ,, .	28	4·7	2·4	262	26	5·4	2·5	236	28	5·1	4·8	256	27	5·6	4·9	263	28	6·4	6·0	285	28	7·0	6·4	281
2·1 ,, .	28	7·9	6·0	267	25	7·1	5·1	250	28	7·7	7·4	258	26	7·2	6.3	260	27	8·8	8·3	283	28	8·9	8·4	277
3·0 ,, .	28	11·4	10·3	279	25	10·7	9·8	267	27	11·9	11·1	268	24	9·9	8·6	267	27	12·4	11·8	286	27	12·5	11·6	284
3·6 ,, .	28	13·6	12·8	281	24	13·0	11·1	272	27	13·5	13·0	274	6	8·8	8·1	279	25	13·8	12·5	284	25	13·8	13·2	287
4·5 ,, .	28	18·7	17·9	278	22	16·9	16·1	266	26	17·7	17·3	275					17	15·3	14·8	282	22	17·9	17·3	284
5·4 ,, .	27	22.2	21·3	276	22	20·9	20·6	265	25	22·3	21·3	273					9	19·1	18·5	275	18	18·8	18.2	283
6·0 ,, .	26	26.5	25.6	274	21	24·3	24·0	265	24	25·3	24·3	270					7	20.1	20·0	272	12	19·5	18·6	283
7·2 ,, .	25	31.8	29.4	279	17	31·0	30·7	262	23	31·7	30.3	269					2	32·0	31·7	277	7	26·7	25·1	269
9·0 ,, .	18	43.1	38.7	273	14	45·0	44·3	261	21	40.9	39·4	271									1	37·0	37·0	280

Station	GAYA				GOPALPUR												GORAKHPUR							
Time in I.S.T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	1·5	0·5	258	28	0·9	0·6	292	28	3·3	2·7	181	28	2·1	1·9	206	28	0·7	0·3	248	28	1·0	0·8	266
0·15 a. g. .	28	6·1	2·9	331	27	3·9	1·8	260	28	6·9	5·4	161	28	5·3	4·6	193	28	6·1	1·9	292	28	4·2	2·9	272
0·3 a.m.s.l. .	28	6·1	3·5	327	27	4·0	1·7	220	28	6·8	4·9	160	28	5·0	4·3	193	28	6·3	2·9	290	28	4·7	3·8	272
0·6 , .	28	6·4	4·5	313	27	3·5	1·6	220	28	5·1	2·7	165	28	4·4	3·2	193	28	6·5	3·5	289	28	5·4	4·0	274
0·9 ,, .	28	6·5	5·1	293	26	3·3	1·1	270	28	3·8	0·8	179	28	4·0	1·3	199	28	6·3	3·2	285	28	5·9	4·5	274
1·5 ,, .	28	7·7	7·0	272	25	5·3	3·0	325	28	5·1	3·2	318	27	4·3	1·6	322	28	7·4	5·6	290	28	6·8	5·9	283
2·1 ,, .	26	8·7	8·0	275	25	6.2	4·0	314	28	6·4	5·4	310	25	4·7	3·8	305	28	9·4	7·7	286	28	8·4	7·9	290
3·0 ,, .	19	10·7	9·9	276	23	7·5	6·0	285	28	7·8	7·0	286	14	6·3	4·7	280	23	11·6	10·0	285	26	11·7	11·0	286
3·6 ,, .					22	8·6	7·0	275	27	8.9	8.6	280	1	4·0	4·0	295	18	12·9	11·6	280	22	13·1	12·2	282
4·5 ,, .					19	9·2	8·2	288	22	11.5	10.7	273					8	12.4	11·9	284	15	15.3	14.5	278
5·4 ,, .					14	13.2	10.9	280	20	14.8	13.7	269					4	13·3	12·9	274	10	18·0	17.3	275
6·0 ,, .					11	14·1	12·5	280	17	16.3	15.8	278					3	13·7	13·1	280	3	19·0	19·0	271
7 2 ,, .					1	12.0	12.0	300	4	19·5	19·3	266									2	24·5	24·5	274
9·0 ,, .																								

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

February, 1965 (Magha 12—Phalguna 9, 1886 Saka)

Station	GWALIOR																IMPHAL/TULIHAL							
Time in I.S.T.	0530				1130				1730				2330				0530				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	0.6	0·1	066	28	1·8	0·4	300	28	2·1	1·3	329	28	0·4	0·1	067	28	0·3	0·1	097	28	1·0	0·4	254
0·15 a. g. .	28	5·4	1·7	010	28	2·9	0·6	289	28	4·5	3·0	328	28	5·7	3·0	034	25	1·9	1·2	071	25	1·8	1·0	237
0·3 a.m.s. l. .	28	4·2	1·3	343	28	2·7	0·7	324	28	4·0	2·8	333	28	4·9	3·0	036								
0·6 ,, .	28	5·8	1·9	003	28	4·1	1·7	281	28	5·1	3·4	322	28	5·7	2·7	356								
0·9 ,, .	28	5·7	2·5	314	28	5·1	3·0	270	28	5·1	3·5	316	28	5·9	2·4	315	25	1.9	1.1	060	25	1·8	1·1	229
1·5 ,, .	28	6·7	4·8	293	28	6·6	4·9	280	28	5·5	4·0	289	28	6·9	4·6	278	25	3·4	1·4	280	25	3·1	1·9	229
2·1 ,, .	28	8·4	7·1	281	28	7.6	5·9	275	28	7·0	5·2	269	26	8·7	6·4	262	23	5·8	4·6	279	25	5.3	4·5	259
3·0 ,, .	28	10·7	8.7	276	28	10·2	8·8	271	27	10·6	8·9	270	24	10·3	8·9	270	20	9·9	9·5	270	24	11·3	10·5	274
3·6 ,, .	25	11·4	10·9	269	27	12·3	10·9	270	26	13·3	11·8	271	2	8·5	8·5	270	17	13·6	13·4	273	20	12·8	12·4	273
4·5 ,, .	22	15·4	14·4	274	23	15·4	14·2	273	25	15.9	14·6	271					9	17·2	16·9	272	15	16·9	16·1	268
5·4 ,, .	19	20.6	19·6	268	21	18.8	17.7	271	23	20·5	19·8	274					2	22.0	21.3	279	8	19·5	19·0	273
6·0 ,, .	15	22·0	21·3	271	20	22.1	20.9	271	21	22·1	21·3	275									5	22·2	21·6	263
7·2 ,, .	7	27·0	26·4	277	17	30.1	28.8	276	16	28·1	27·2	278									1	36.0	36.0	290
9·0 ,, .	4	32·2	31·2	286	6	45.3	44·8	275	4	34·0	32·3	285												

Station	IMPHAL/TULIHAL								JABALPUR												JAGDALPUR			
Time in I. S.T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	2·0	1·8	288	28	1·4	0·5	330	28	0·7	0·4	114	28	1·4	0·6	298	28	1·0	0·5	115	28	0·1	0·1	145
0·15 a. g. .	27	3·7	3·1	273	25	2·4	1·3	292	28	5·1	2·3	107	28	4·7	2·3	315	27	6·2	2·3	055	28	3·6	1·6	166
0·3 a.m.s.l. .																								
0·6 ,, .									28	5.6	2·1	097	28	4.4	2.4	306	27	6·3	2·6	050	28	1·6	0·8	168
0·9 ,, .	27	3·6	3·0	276	25	2·5	1·2	306	28	6·5	0·5	060	28	4·3	2·5	300	27	6·0	2·0	017	28	4·5	1·6	179
1·5 ,, .	27	4·1	3·3	248	25	4·1	3·3	268	27	5·3	3·2	301	28	4·8	3·3	285	27	4·9	2·3	288	28	4·2	0·6	293
2·1 ,, .	26	5·8	5·2	251	25	7·2	6·0	265	26	7·8	6·8	283	27	7·1	5·7	265	27	7·4	6·4	265	28	5·1	2·9	294
3·0 ,, .	23	10·4	9·0	269	15	12·6	10·5	277	25	12·8	10·8	281	26	11·5	10·1	263	24	12·0	10·3	272	28	6·5	4·9	298
3·6 ,, .	21	14·1	13·5	273	5	13·0	9·2	275	25	13.8	12·3	278	26	13·2	12·1	271	17	13·4	11·9	280	26	7·6	5·8	292
4·5 ,, .	17	17·8	17·5	269	2	11·0	10·9	272	21	16·0	14·6	279	23	17·1	16·0	276	3	12·3	12·3	295	23	10·0	8·4	285
5.4 ,, .	8	18.5	18·4	273					18	17.7	16.6	278	21	19·7	18·7	274	2	8·0	7·9	290	22	13.4	11.9	282
6·0 ,, .	4	20·7	20·7	278					13	18·6	27·7	277	16	23·6	22·6	275					22	15·8	14·0	280
7·2 ,, .	1	43.0	43.0	275					4	26·5	25·3	279	8	30·7	30·3	281					18	20.4	18.4	287
9·0 ,, .																					12	25.7	22.3	281

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

February, 1965 (Magha 12—Phalguna 9, 1886 Saka)

Station	JAGDALPUR								JAIPUR/SANGANER												JAMSHEDPUR			
Time in I.S.T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	1·3	0·7	214	28	0·3	0·0	180	28	0·9	0·8	061	28	1·8	1·1	287	28	1·4	0·8	056	28	0·9	0·8	307
0·15 a. g. .	28	3·8	0·9	247	28	5·6	1·2	062	28	6·0	3·1	050	28	4·0	2·4	287	28	6·4	2·8	030	28	2·9	1·7	315
0·3 a.m.s.l.																					28	2·9	1·5	316
0·6 „ . .	28	2·8	0·7	232	28	3·9	0·5	078	28	6·2	2·9	044	28	4·2	2·5	285	28	6·7	2·7	061	28	3·5	1·1	310
0·9 „ . .	28	4·4	1·3	241	28	5·8	1·4	040	28	6·7	1·4	331	28	4·3	3·0	287	28	6·1	2·1	355	28	4·2	1·7	294
1·5 „ . .	28	4·3	1·2	283	28	4·4	1·5	336	28	6·0	4·4	232	28	5·1	3·7	200	28	4·8	3·1	277	28	5·9	4·5	280
2·1 „ . .	27	4·6	2·6	288	28	4·0	2·1	284	28	8·0	6·5	285	27	5·8	4·2	291	28	6·4	5·7	260	28	8·2	7·3	286
3·0 „ . .	24	5·0	3·3	283	27	5·5	4·0	280	25	9·2	7·4	278	26	9·3	7·9	279	24	8·6	7·6	268	27	11·3	10·8	284
3·6 „ . .	22	5·9	4·9	280	9	7·1	6·2	282	25	11·3	10·1	278	26	11·5	10·7	279	10	11·0	9·8	277	24	11·9	11.3	281
4·5 „ . .	17	9·7	7·8	275	5	8·6	7·8	267	24	14·3	12·9	279	25	14·4	13·7	277					18	15·3	14.4	277
5·4 „ .	15	13·3	12·6	277	3	10·3	9·7	258	19	17.8	16·5	273	25	18·7	18·3	276					6	17·5	16·1	264
6·0 „ . .	14	14·7	14·4	280					16	19·7	18·0	272	25	22·2	21·7	279					2	16·5	16·3	300
7·2 „ . .	12	23·3	21·7	292					5	24·0	23·7	275	15	27·7	26·9	283								
9·0 „ .	4	33·7	32·7	301					1	38·0	38·0	300												

Station	JAMSHEDPUR				JHARSUGUDA												JODHPUR							
Time in I.S.T.	1730				0530				1730				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	1·5	0·6	317	28	1·8	1·6	040	28	1·7	0·7	265	28	1·5	0·4	173	28	1·8	1·5	031	28	2·0	0·5	089
0·15 a. g. .	28	3·0	1·4	316	28	4·8	3·9	055	28	3·5	1·4	266	28	4·2	0·2	009	28	6·1	3·4	045	28	4·5	9·0	061
0·3 a.m.s.l. .	28	3·2	1·4	324	28	3·8	3·1	051	28	3·0	1·2	278	28	3·8	0·7	094	28	6·0	3·3	045	28	3·8	1·2	069
0·6 „ . .	28	3·5	2·2	297	28	5·1	2·4	060	28	4·0	2·3	279	28	4·6	0·9	306	28	5·9	2·2	045	28	4·5	0·8	084
0·9 „ .	28	3·8	2·8	290	28	4·9	1·0	031	28	4·3	3·0	276	28	4·5	2·0	285	28	5·3	0·9	003	28	4·5	0·1	075
1·5 „ . .	28	5·3	4·5	274	27	4·7	3·4	285	28	5·3	4·0	279	27	4·7	3·6	281	28	5·2	2·7	268	28	5·2	1·8	280
2·1 „ . .	28	7·9	7·1	278	26	7·7	6·8	290	28	7·0	5·7	287	27	7·2	5·4	287	28	6·6	4·7	267	28	6·2	3·6	271
3·0 „ .	26	11·3	10·5	285	26	10·3	9·2	292	26	10·6	9·5	295	24	8·7	7·6	286	28	8·7	6·9	270	28	8·5	7·2	271
3·6 „ . .	21	12·9	12·5	291	26	11·8	10·7	288	26	12·2	11·5	286	1	14·0	14·0	245	27	10·4	9·1	270	28	9·6	9·1	271
4·5 „ . .	19	16·3	15·8	281	20	14·5	13·4	285	25	16·3	16·0	278					26	14·3	13·2	271	27	14·8	14·4	286
5·4 „ . .	11	18·7	18·3	274	14	16·6	15·1	285	23	19·5	17·8	276					25	18·3	17·0	271	27	20·0	19·2	274
6·0 „ . .	5	18·8	18·3	273	11	19.4	17·8	283	15	19·1	18·9	276					25	22·1	20·7	270	27	23·1	22·4	276
7·2 „ . .					3	20·3	18·6	288	4	20·0	19·8	275					23	30·3	29·6	274	24	31·0	30·3	280
9·0 „ . .																	13	35·9	32·5	273	17	45·4	42·2	282

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds up to 9.0 Km. above mean sea level

February, 1965 (Magha 12—Phalguna 9, 1886 Saka)

Station	JODHPUR								LUCKNOW/AMAUSI												MADRAS/ MINAMBAKKAM			
Time in I.S.T.	1730*				2330				0530				1730				2330*				0530*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	2·8	1·2	286	28	2·1	0·8	050	28	1·5	0·5	332	28	3·1	1·9	307	28	1·8	0·8	313	28	2·2	1·6	065
0·15 a. g. . .	28	5·0	2·2	313	28	7.5	3·3	018	28	8·0	4·4	322	28	4·9	3·0	294	28	8·2	4·7	306	28	4·2	2·2	075
0·3 a.m.s.l. .	28	5·0	2.2	313	28	6·5	2·4	027	28	8·0	3·3	351	28	5·0	3·1	294	28	8·2	4·7	306	28	4·6	2·5	085
0.6 ,, .	28	4·6	1·9	293	28	7·5	2·5	011	28	7·9	5·3	298	28	5·8	3·6	291	28	7·6	4·6	312	28	5·2	3·3	098
0·9 ,, .	28	5·1	2·4	267	28	6·6	1·7	326	28	7·7	5·5	300	28	5·8	3·8	290	28	7·2	4·7	298	28	6·0	4·2	097
1·5 ,, .	28	4·9	2·6	261	28	5·3	2·7	254	28	9·3	8·0	291	28	6·9	5·7	290	28	7·7	6·2	287	28	5·5	4·0	083
2·1 ,, .	28	5·0	3·3	260	28	6·7	4·6	208	28	10·3	7·6	283	27	8·2	7·2	285	25	8·6	7·3	276	28	5·7	3·8	068
3.0 ,, .	28	7·6	6·5	268	27	9·5	7·4	262	22	11.3	5·4	296	27	12·0	10·4	281	19	11·5	10·2	272	28	5·0	1·9	066
3.6 ,, .	28	10·0	9·4	271	9	9·0	7·0	276	19	13·5	12·1	276	26	12·4	10·7	273	7	8·9	7·6	269	28	4·8	0·5	052
4·5 ,, .	28	14·9	14·1	274	3	11·7	11·3	282	10	14·7	14.2	281	23	16·6	15·0	281					28	5·1	1·2	309
5·4 ,, .	28	20·3	19·1	273					9	21·3	20·2	275	19	21·4	21·1	289					28	5·9	3·2	300
6·0 ,, .	28	28·4	22·1	273					7	22·6	21·9	282	15	28·7	22·8	274					28	6·7	3·9	300
7·2 ,, .	27	29·3	27·2	276					3	27·0	26·2	274	11	30·8	22·5	293					28	6·8	4·5	302
9·0 ,, .	14	39·6	38·2	278									2	28·5	28·1	289					28	10·4	6·8	297

Station	MADRAS/MINAMBAKKAM												MANGALORE/BAJPE											
Time in I.S.T.	1130				1730*				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	2·7	1·5	080	28	4·7	3·4	086	28	2·6	2·0	095	28	0·7	0·6	080	28	4·2	3·8	282	28	0·7	0·6	348
0·15 a.g. . .	28	4·3	2·3	083	28	6·3	4·0	089	28	5·7	4·2	089	28	5·5	3·2	069	28	6·9	6 5	279	28	5·1	4·4	334
0·3 a.m.s.l. .	28	4·2	2·2	096	28	6·0	3·7	088	28	6·2	4·6	089	28	5·9	3·1	068	28	6·8	6·4	280	28	5·0	4·5	333
0·6 ,, .	28	4·3	2·6	094	28	5·5	3·8	098	28	6·3	4·8	089	28	6·4	3·6	065	28	4·9	4·0	294	28	5·0	4·6	335
0·9 ,, .	28	5·1	3·7	093	28	5·9	4·6	089	28	6·5	5·5	088	28	6·3	3·3	064	28	3·1	1·6	342	28	4·1	3·0	348
1·5 ,, .	27	6·3	5·0	083	28	5·6	4·4	078	27	5·6	4·5	087	28	5·4	2·9	077	28	4·1	3·2	073	28	4·7	3·2	072
2·1 ,, .	23	7·4	5·5	069	28	5·6	3·8	062	26	5·8	3·5	087	28	5·1	3·3	110	28	5·9	5·2	080	28	7·4	6·6	088
3·0 ,, .	17	4·6	2·8	072	28	5·4	1·0	013	23	4·8	2·5	075	28	5·0	2·7	099	27	7·2	5·1	083	27	7·0	5·4	084
3·6 ,, .	16	4·1	1·3	081	28	4·5	1·0	355	16	4·9	2·0	073	26	5·7	2·0	057	22	5·2	1·7	058	19	5·6	1·3	057
4·5 ,, .	14	4·4	0·9	038	28	5·2	2·3	293	7	6·6	4·7	020	25	5·5	0·5	333	21	6·0	1·5	342	14	5·4	2 8	349
5·4 ,, .	13	3·8	1·0	270	28	6·1	3·7	311	2	3·0	2·5	002	23	6·1	2·8	319	18	6·9	3·4	330	6	5·5	2·7	317
6.0 ,, .	13	4.6	1.4	263	28	6·2	3·7	296	1	9·0	9·0	255	22	7·4	4·0	311	18	7·9	4·2	327	5	6·2	4·3	357
7·2 ,, .	10	6·2	2·1	322	28	7·3	5·1	305					19	9.8	6·8	330	17	9·9	6·2	327				
9·0 ,, .	6	4·7	1·5	045	28	10·4	7·5	293					14	11·1	7·7	331	9	10·1	7·1	315				

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 Km. above mean sea evel

February, 1963 (Magha 12—Phalguna 9, 1886 Saka)

Station	MINICOY																NAGPUR/SONEGAON							
Time in I.S.T.	0530				1130				1730*				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	1·1	0·7	005	28	1·9	1·7	008	28	3·0	2·7	002	28	1·4	1·2	012	28	2·1	1·4	351	28	2·3	1·3	038
0·15 a. g. .	28	3·3	2·4	010	28	4·1	3·7	009	27	3·7	3·4	357	28	3·6	3·1	009	28	5·7	3·0	040	28	3·8	2·3	041
0·3 a.m.s.l. .	28	3·5	2·5	015	28	4·4	4·0	012	27	3·9	3·6	351	28	3·6	3·1	015								
0·6 „ . .	28	3.6	2·6	034	27	4·5	4·0	024	27	4·5	4·1	027	28	3·7	2·9	034	28	5·9	2·7	041	28	4·1	1·9	060
0·9 „ . .	28	4·6	3·3	057	27	5·0	3·9	039	27	4·7	4·0	039	28	4·4	3·3	060	28	5·7	1·6	098	28	4·2	0·9	152
1·5 „ . .	28	7·0	4·9	078	26	6·7	4·5	069	27	5·4	3·5	058	28	6·2	3·8	073	28	4·9	0·9	242	28	4·4	1·8	217
2·1 „ . .	28	5·9	3·2	081	27	6·3	3·0	074	27	5·6	2·8	059	28	5·5	3·0	055	28	4·9	2·6	260	28	5·7	3·3	254
3·0 „ . .	26	5·0	1·6	102	23	5·3	1·8	093	27	4·7	1·2	044	27	4·2	2·3	065	28	8·4	6·3	275	28	8·2	6·4	268
3·6 „ . .	24	4·8	1·6	077	20	4·7	1·8	084	27	4·6	1·7	056	7	4·6	2·1	069	28	10·0	8·3	282	28	10·2	9·2	278
4·5 „ . .	23	5·1	3·1	073	18	6·0	3·9	035	27	5·1	2·6	074					28	11·0	10·1	286	28	13·5	12·5	275
5·4 „ . .	21	7·5	5·5	065	17	6·4	5·3	075	27	5·8	3·7	070					28	15·2	14·3	282	28	17·4	16·4	277
6·0 „ . .	20	7·8	6·4	057	17	7.5	5.5	070	27	6·4	4·3	058					28	16·8	16·1	282	28	21·5	20·3	282
7·2 „ . .	11	7·8	6·4	049	12	9·3	7·4	059	27	9·4	6·8	051					28	22·5	21·4	282	27	27·8	26·3	280
9·0 „ . .	5	8·4	4·4	034	3	11·0	8·2	052	27	7·2	4·3	063					28	27·2	25·9	283	25	36·5	34·6	279

Station	NAGPUR/SONEGAON								NEW DELHI/SAFDARJUNG															
Time in I.S.T.	1730*				2330				0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	1·5	0·1	046	28	2·4	1·0	034	28	2·2	1·5	341	28	3·0	2·0	300	28	2·6	1·3	312	28	2·5	1·2	332
0·15 a. g. .	28	2·7	0·6	334	27	7·0	2·8	062	28	7·6	4·5	346	28	5·1	3·1	304	28	5·9	2·5	304	27	7·7	4·5	347
0·3 a.m.s.l. .									28	5·7	3·4	348	28	4·6	2·4	310	28	5·3	2·4	307	27	6·3	4·1	340
0·6 „ . .	28	2·8	0·5	345	27	6·8	2·5	059	28	7·9	4·4	340	28	5·8	2·7	306	28	5·9	2·8	300	27	9·2	4·8	325
0·9 „ . .	28	2·9	0·2	226	27	5·2	1·4	058	28	8·7	4·6	319	28	6·8	3·1	306	28	5·7	3·2	294	27	9·3	3·9	315
1·5 „ . .	28	3·4	1·5	255	27	3·4	1·1	261	27	8·4	5·9	302	25	8·0	5·2	303	28	6·6	4·6	295	27	7·6	5·9	295
2·1 „ . .	28	4·4	2·4	264	27	4·7	3·6	265	27	8·8	6·5	291	25	7·3	5·4	296	28	7·8	6·1	288	26	7·2	5·8	320
3·0 „ . .	28	6·9	5·1	275	27	7·9	6·7	269	28	10·3	8·7	284	23	8·5	7·3	295	28	8·4	7·1	286	20	8·9	7·9	287
3·6 „ . .	28	8·7	7·1	279	23	9·4	8·8	269	28	11.0	9·8	283	23	9·7	8·7	286	28	9·6	8·5	282				
4·5 „ . .	28	11·1	10·3	273	10	11·2	10·4	285	28	13·6	12·7	277	23	14·7	11·0	279	28	14·0	12·5	278				
5·4 „ . .	27	14.6	13.6	281	4	15·0	14·5	299	28	17·0	15·7	277	21	15·1	14·2	280	28	17·6	16·0	273				
6·0 „ . .	27	16·6	15.5	284	3	21·3	21·3	296	28	20·8	19·4	279	20	17·6	16·9	280	28	19.2	17·9	274				
7·2 „ . .	27	22·6	21·1	280					28	25·3	24·0	279	14	20·6	19·8	275	28	26·1	25.2	275				
9·0 „ . .	27	24·3	22·8	279					28	38·0	36·9	276	5	31·6	24·0	284	28	35·8	33·7	276				

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

February, 1965 (Magha 12—Phalguna 9, 1886 Saka)

Station	POONA												PORT BLAIR											
Time in I. S. T.	0530				1730				2330				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	0·1	0·1	225	28	1·4	0·9	278	28	0·1	0·0	090	28	2·0	1·7	040	28	3·1	2·8	051	28	2·7	2.4	045
0·15 a. g. .	28	3·2	0·4	315	28	4·5	2·5	288	28	4·5	2·1	287	28	4·4	3·9	042	28	5·5	5·0	053	28	5·2	4·7	052
0·3 a.m.s.l. .													28	4·7	3·9	046	28	5·6	4·9	055	28	5·2	4·7	053
0·6 „ . .	28	1·9	0·8	232	28	2·8	1·6	288	28	2·2	1·2	239	28	6·1	5·2	061	27	5·8	4·9	059	28	5·3	4·6	050
0·9 „ . .	28	5·1	1·0	045	28	4·6	2·3	279	28	5·8	2·8	314	28	6·3	5·3	079	27	6·1	5·2	083	28	5·6	4·5	063
1·5 „ . .	28	6·7	1·1	091	28	4·1	1·8	264	28	6·5	2.0	305	28	6·6	5·8	094	24	6·8	6·0	095	28	5·7	4·6	088
2·1 „ . .	28	6·6	1·2	171	28	4·1	1·5	251	28	5·4	0·6	158	28	6·7	6·1	098	23	6·0	5·4	102	28	5·7	4·9	100
3·0 „ . .	28	6·4	3·4	251	26	6·0	3·0	275	28	6·0	1·1	179	28	5·8	4·9	109	22	4·7	3·5	115	28	4·9	4.2	112
3·6 „ . .	21	7·8	6·2	281	24	6·9	4·7	296	26	6·1	3·1	286	28	4·9	3·2	227	21	4·2	2·9	120	28	4·5	2·9	126
4·5 „ . .	11	8·7	7·6	281	22	9·2	8·0	295	17	8·5	7·2	290	28	4·0	1·4	167	21	4.3	1.5	158	28	4·1	1·5	159
5·4 „ . .	2	9 0	9·0	280	21	13·0	11·5	297	6	9·0	7·8	274	28	5·4	2·4	224	19	4.9	0.9	201	28	5·2	2·1	221
6·0 „ . .	1	5.0	5.0	245	21	14·8	13·1	292	1	15·0	15·0	295	28	6·8	2·9	229	19	5.6	1.1	281	28	6·1	2·4	224
7·2 „ . .	1	3·0	3.0	250	18	20·4	17·9	298					28	7·9	3·9	239	17	5·9	1·7	231	28	7·3	3·2	230
9·0 „ . .	1	13·0	13·0	295	8	26·4	24·9	301					28	8·0	4·1	245	17	6.8	2.8	192	28	7·6	3·4	236

Station	PORT BLAIR				RAIPUR												RAXAUL							
Time in I.S.T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	2·4	2·2	047	28	1·4	0·1	285	28	1·8	0·5	310	28	1·8	0·4	066	28	1·5	0·5	087	28	2·0	1·3	258
0·15 a. g. .	28	5·1	4·7	041	28	5·8	2·6	055	28	3·1	1·1	295	28	4·6	0·9	097	28	5·0	0·3	356	28	5·0	3·6	257
0.3 a.m.s.l. .	28	5·3	5·0	044													28	5·0	0·4	333	28	5·2	3·9	259
0·6 „ . .	28	5·2	4·7	054	28	6·9	2·2	076	28	3·2	1·2	288	28	4·3	0·4	109	28	5·0	2·1	294	28	5·3	4·2	263
0·9 „ . .	27	5·5	5·0	076	28	5·8	0·7	098	28	3·4	1·4	269	28	4·0	0·6	267	28	5·4	3·1	285	27	5 4	4 2	257
1·5 „ .	27	5·7	4·7	090	28	4·6	2·4	266	28	3·9	2·4	263	28	4·4	2·9	267	28	4·7	3·0	279	27	5·5	4·4	276
2·1 „ . .	22	5.8	5·0	101	27	6·9	4·6	282	28	6·3	4·1	277	28	5·8	4·4	278	28	6·4	4·2	286	27	6·2	5·2	286
3·0 „ .	19	5·5	4·4	113	27	8·7	7·4	281	28	9·2	7·4	284	26	8·5	7·4	276	21	8·6	7·7	281	20	8·7	8·2	287
3·6 „ . .	11	4·3	2·7	147	27	10·0	9·4	287	27	10·8	9·3	275	14	10·3	9·6	268	17	10·3	9·9	282	16	10·3	9·9	292
4·5 „ . .	7	4·7	1·3	167	26	14·0	12·8	263	25	13·4	12·7	268	7	12·9	12·6	279	11	12·4	12·1	289	6	11.7	10·9	281
5·4 „ . .	4	4·0	0·7	123	25	17·4	16·4	275	24	17·7	17.1	276	2	10·5	10·5	267	1	15·0	15·0	265	4	15.7	14.3	284
6·0 „ . .	3	5·3	4·4	144	23	19·8	18·6	275	21	20·6	19·6	277	1	8·0	8·0	260					1	12.0	12·0	345
7·2 „ . .					19	25·3	23·6	276	17	24·1	23·4	279												
9·0 „ . .					5	37·4	35·6	269	4	30·0	28·0	259												

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

February, 1965 (Magha 12—Phalguna 9, 1886 Saka)

Station	SILIGURI/BAGHDOGRA												SRINAGAR								TIRUCHCHIRAPPALLI			
Time in I.S.T.	0530				1730				2330				0530*				1730*				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	1·6	1·4	050	28	2·0	0·9	214	28	1·6	0·9	025	20	0·7	0·2	309	22	1·8	0·3	329	28	2·6	1·8	010
0·15 a.g. . .	27	4·0	3·0	068	28	3·7	1·7	230	28	3·1	1·3	045	20	1·5	0·2	232	22	2·0	0·8	328	28	5·6	4·1	027
0·3 a.m.s.l. .	27	4·0	3·3	072	28	3·8	1·7	230	28	3·2	0·9	030									28	6.0	4·6	038
0·6 „ . .	27	4·3	3·6	070	28	3·8	2·5	237	28	3·1	0·7	280									28	7.1	5.9	063
0·9 „ . .	27	3·2	2.4	068	28	4·0	3·0	247	28	3·5	2·4	263									27	7.5	6.5	073
1·5 „ . .	26	3·5	0·5	278	26	4·7	4·0	252	26	4·3	1·4	249									26	7.5	6.5	071
2·1 „ . .	23	5·5	2·2	275	22	5·8	4·8	270	18	4·0	2·7	275	20	1·8	0·6	146	22	2·0	0·1	011	25	6·4	5·2	071
3·0 „ . .	19	9·5	8·1	280	20	11·9	10·8	284	15	9·0	8·5	281	20	4·5	4·2	138	22	4·7	4·3	158	21	5·8	2·8	079
3·6 „ . .	16	16·0	10·6	277	15	15·0	14·9	282	2	8·5	8·2	285	20	5·3	4·9	162	22	6·1	5·7	175	18	6·2	1·8	110
4·5 „ . .	6	19.0	13·6	280	6	20.2	20.0	285					20	6·7	5·0	193	22	9·1	7·4	208	14	5·5	2·6	052
5·4 „ . .	1	21·0	21·0	300	4	24·7	24·5	287					19	10·9	8·0	247	22	12·3	10·1	228	13	5.7	1·3	067
6·0 „ . .					1	21·0	21·0	270					19	12·3	9·5	253	22	15·0	11·4	241	11	5·7	1·8	043
7·2 „ . .													18	18·2	15·1	254	22	18·3	14·4	252	9	5·4	2·3	049
9·0 „ . .													18	26.6	22.3	262	19	24·0	17·2	255	7	7·6	2·7	018

Station	TIRUCHCHIRAPPALLI								TRIVANDRUM															
Time in I.S.T.	1730				2330				0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	4·4	4·0	083	28	3·7	2·7	087	28	1·0	0·8	020	28	1·1	0·4	303	28	2·7	2·3	268	28	1·1	0·9	377
0·15 a. g. .	28	6·1	5·6	071	28	7·3	6·0	077	28	2·9	1·3	359	28	2·5	0·7	267	28	4·9	4.1	261	28	3·7	2·8	313
0·3 a.m.s.l. .	28	6·3	5·7	071	28	7·7	6.4	075	28	2·6	1·0	359	28	2·4	0·8	272	28	4·8	3·7	264	28	3·9	2·8	316
0.6 „ . .	28	6·3	5.4	072	28	8·1	7·1	071	28	3·0	0·6	031	28	2·2	0·6	352	28	4·5	2·2	280	28	3.7	2.7	339
0·9 „ . .	28	6·6	5·7	069	28	8·1	7·3	067	28	3·0	1·6	057	28	3·0	2·0	029	28	4·1	2·1	030	28	4·3	3·1	022
1·5 „ . .	28	7·0	5.9	060	28	7·2	6·4	064	28	5·5	4·2	061	28	4·5	2·7	050	28	7·9	6·4	043	28	6·9	5·6	054
2·1 „ . .	28	6·5	5·4	050	27	6·7	5·3	055	28	4·1	1·9	058	20	5·3	2·2	053	28	7·8	6·1	043	26	6·2	5·0	053
3·0 „ . .	26	4·9	1·6	046	25	3·7	0·8	061	28	4·0	1·3	101	19	4·1	1·6	121	28	4·4	0·8	014	25	3·6	0·7	107
3·6 „ . .	24	4·3	1·0	085	24	3·7	0·9	043	28	4·2	0·9	081	17	3·9	1·2	118	28	5·0	1·4	055	17	4·2	0.9	078
4·5 „ . .	17	4·6	1·1	045	15	4.8	2·4	071	27	4·9	2·0	086	15	6·4	1·6	050	28	5·9	1.8	091	6	3·0	2·1	116
5·4 „ . .	15	5.6	2·5	040	11	6·3	4·3	050	27	6·2	3·1	074	14	7·0	1·8	090	28	6·2	3·1	065	1	5·0	5·0	085
6·0 „ . .	15	5.8	2·6	030	6	6·2	5·5	041	27	6·1	3·2	072	12	5.6	1.9	093	28	6·9	3·8	060				
7·2 „ . .	9	6.2	3.5	010					27	7·3	4·5	065	7	7.9	4·1	065	28	8·1	4·9	050				
9·0 „ .	4	4·7	0·1	108					25	9·2	4·0	036	6	9·7	7·0	037	27	8·6	3·7	033				

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

February, 1965 (Magha 12—Phalguna 9, 1886 Saka)

Station	UDAIPUR												VENGURLA											
Time in I.S.T.	0530				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	28	0·1	0·1	315	28	0·8	0·6	232	28	CALM			28	0·5	0·5	360	28	2·9	2·5	285	28	0·5	0·5	352
0·15 a. g. .	28	2·8	1·1	359	28	3·5	0·8	250	28	3·6	1·4	342	28	5·0	3·9	023	28	4·9	4·5	282	28	5·3	5·2	353
0·3 a. m. s. l.													28	6·3	4·5	015	28	5·5	4·7	282	28	6·1	5·9	352
0·6 ,, .													28	7·2	4·4	013	28	5·0	2·2	302	28	6·0	5·1	350
0·9 ,, .	28	4·0	1·4	333	28	4·2	1·0	233	28	4·1	1·3	340	28	7·1	2.9	015	28	4·1	1·4	317	28	5·6	3·5	344
1·5 ,, .	28	5·4	1·3	276	28	5·3	2·3	256	28	5·1	1·4	276	28	5·7	1·7	117	28	4·1	1·9	071	28	4·9	1·1	068
2·1 ,, .	28	6·8	4·5	266	28	5·2	3·4	265	28	5·2	3·7	256	28	5·2	3·2	125	28	5·0	2·8	082	28	6·2	4·5	101
3·0 ,, .	28	9·2	7·5	265	28	7·1	5·9	264	28	6·9	6·0	269	28	4·4	1·0	144	28	6·0	3·0	050	28	6·0	3·3	091
3·6 ,, .	28	10·6	9·0	266	28	9·2	8·2	268	24	8·0	6·5	279					28	6·2	2·5	001	15	6·4	2·3	354
4·5 ,, .	28	13·7	12·7	273	27	13·1	12·2	281	7	11·1	10·8	282					28	6·5	3·7	318				
5·4 ,, .	28	17·3	16·2	274	27	17·3	16·5	282									28	7·6	5·5	298				
6·0 ,, .	27	19·0	18·0	273	27	18·1	17·2	283									28	9·9	7·9	300				
7·2 ,, .	21	23·0	21·7	276	27	23·7	22·3	282									27	13·0	10·5	304				
9·0 ,, .	13	28·2	28·2	288	10	27·2	24·1	272									13	17·9	15·7	310				

Station	VERAVAL												VIJAYAWADA/GANNAVARAM											
Time in I.S T.	0530				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	28	4·2	3·5	007	28	6·1	4·7	262	28	3·3	2·5	309	28	2·4	1·3	073	28	3.9	2·9	149	28	1·8	1·5	128
0·15 a. g. .	28	8·8	6.7	358	28	6·1	4·1	260	28	7·1	5·1	315	26	4·0	2·5	119	28	4·6	3·4	146	28	6·1	5·4	144
0·3 a. m. s. l.	28	9·0	6·0	358	28	6·0	4·0	270	28	7·5	5·0	319	26	4·9	3·3	134	28	4·8	3·6	146	28	6·6	5·7	144
0·6 ,, .	28	7·5	4·3	355	28	5·5	2·6	304	28	7·1	4·1	334	26	5·6	3·5	140	28	4·9	3·5	144	28	5·8	4·7	138
0·9 ,, .	28	6·3	2·5	354	28	5·5	2·6	323	28	7·2	3·4	348	26	5·5	3·3	139	28	4·1	2·1	138	28	5·0	3·3	124
1·5 ,, .	28	5·8	2·1	271	28	5·9	2.9	326	28	6·0	1·1	326	26	4·4	1·3	075	28	4·1	0·7	062	28	3·7	1·4	052
2·1 ,, .	28	6·8	4·0	258	28	6·7	4.0	287	28	7·6	2·9	274	26	4·8	1·0	345	27	4·8	1·8	347	28	5·4	2·4	353
3·0 ,,	28	7·6	5·6	277	28	8·7	6·7	282	28	8·6	5·8	282	26	5·5	2·3	289	25	5·3	3·0	293	28	6·1	2·7	308
3·6 ,, .	1	12·0	12·0	270	28	10·3	8·7	284	12	10·1	9·7	278	25	4·9	3·0	278	24	5·8	4·1	277	19	6·4	5·0	278
4·5 ,, .	1	13·0	13·0	270	28	13·7	12·9	288	7	11·6	11·5	281	25	7·4	5·1	292	23	8·3	7·2	283	16	8·1	7·1	280
5·4 ,, .					28	17·2	16·6	290	4	10·7	10·4	295	24	9·8	8·3	279	22	10·8	10·1	286	12	10·1	9·1	283
6·0 ,, .					28	20·0	19·2	288	2	17·5	15·3	274	24	11·4	9·7	280	21	12·9	11·7	280	9	10·9	9·8	290
7·2 ,, .					25	26·6	25·6	295					22	14·9	12·8	294	16	16·6	15·0	286	1	15·0	15·0	285
9·0 ,, .					16	35·6	34·2	294					16	19·2	16·4	276	10	19.9	18·4	277				

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 Km. above mean sea level

February, 1965 (Magha 12—Phalguna 9, 1886 Saka)

Station	VISHAKHAPATNAM															
Time in I.S.T.	0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	28	3.1	2·4	349	28	2·3	1·2	153	28	3·4	0·9	053	28	1·7	0·9	220
0·15 a.g. .	28	5·6	4·4	003	28	5.0	2·4	141	28	5·0	2·2	053	28	4·2	2·0	199
0·3 a.m.s.l. .	28	5·1	2·8	001	28	4·8	1·8	143	28	5·4	1·8	087	28	4·4	2·1	194
0·6 „ . .	28	4·3	0·4	296	28	4·0	0·1	251	28	5·7	2·4	145	28	5·2	2·6	188
0·9 „ . .	28	4·3	0·6	143	27	4·0	0·6	349	28	5·3	1·2	157	27	5·5	2·4	188
1·5 „ . .	28	4·8	1·6	339	27	4·4	1·5	010	28	5·0	2·1	331	27	4·1	0·9	293
2·1 „ . .	28	5·0	2·5	329	25	4·2	1·9	338	28	5·6	4·0	327	23	3·7	2·7	345
3·0 „ . .	28	6·3	3·6	295	24	5·1	2·7	291	28	7·4	5.6	312	20	4·1	2·1	305
3·6 „ . .	28	7.1	4.9	290	22	6·1	4·3	285	28	6·9	5·8	290	6	3·8	1·3	162
4·5 „ . .	28	9.9	8.6	281	21	8·6	6·8	267	28	9·5	8·1	276	2	5·5	4·2	003
5·4 „ . .	28	12·8	11.0	275	20	11·4	9·7	276	28	13·5	12·6	275	2	6·0	4·9	340
6·0 „ . .	28	16·4	14·7	274	20	13.1	12·1	276	28	15·8	14·5	278	1	5·0	5·0	070
7·2 „ . .	28	21·1	18·8	280	15	16·7	15·0	279	28	19·6	17·8	278				
9·0 „ . .	27	27·1	25·5	275	9	23·2	19·6	281	27	27·1	24·4	278				

Table V—Monthly Mean Directions and Velocities of Upper Winds

Winds above 9.0 Km. above mean sea level

February, 1965 (Magha 12—Phalguna 9, 1886 Saka)

AHMADABAD

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	15	51·8	49·3	283
12·0	8	53·9	48·7	271
14·1	1	36·0	36·0	280

1130 hr.

Ht. in Km.	n	V	v	D
10·5	1	32·0	32·0	265

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	12	42·7	39·3	279
12·0	7	40·7	38·5	273
14·1	2	46·5	45·5	280

ALLAHABAD/ BAMHRAULI

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	14	54·3	50·7	267
12·0	10	53·5	49·6	273
14·1	4	55·5	53·7	266
16·2	1	61·0	61·0	272

1130 hr.

Ht. in Km.	n	V	v	D
10·5	1	42·0	42·0	305

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	17	49·8	46·4	271
12·0	13	50·2	47·3	271
14·1	4	42·5	41·1	282
16·2	1	36·0	36·0	290

ANANTAPUR

0530 hr.

Ht. in Km.	n	V	v	D
10·5	6	17·0	15·3	281
12·0	4	11·5	3·9	268

1730 hr.

Ht. in Km.	n	V	v	D
10·5	2	13·5	11·1	277

BANGALORE

0530 hr. @

Ht. in Km.	n	V	v	D
10·5	18	11·1	7·1	279
12·0	18	11·3	7·3	220
14·1	14	13·4	4·2	200
16·2	12	6·2	2·3	288
18.0	12	7·8	4·8	297
21·0	5	9·0	3·7	359
24·0	4	17·0	10·8	015

1130 hr.

Ht. in Km.	n	V	v	D
10·5	15	9·5	4·7	262
12·0	15	9.8	5·4	218
14·1	13	8·4	6·1	197
16·2	12	10·0	6·8	194
18·0	12	5·0	1·6	159
21·0	6	9·7	7·8	290
24·0	2	9·5	2·5	177
27·0	1	4·0	4·0	090

1730 hr.@

Ht. in Km.	n	V	v	D
10·5	22	10·5	7·7	271
12·0	19	11·6	7·3	226
14·1	13	11·5	6·6	203
16·2	11	7·2	2·2	284
18·0	8	9·6	2·5	303
21·0	6	9·7	6·2	250

BEGAMPET

0530 hr.

Ht. in Km.	n	V	v	D
10·5	3	15·7	15·5	300
12·0	2	13·0	13·0	274
14·1	2	15·5	15·1	250
16·2	2	18·0	17·9	266
18·0	2	16·5	16·5	258
21.0	1	21·0	21·0	250

1730 hr.

Ht. in Km.	n	V	v	D
10·5	2	13·0	12·9	296
12·0	1	17·0	17·0	300
14·1	1	18·0	18·0	280
16·2	1	14·0	14·0	265
18·0	1	20·0	20·0	255

BOMBAY/ SANTACRUZ

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	28	27·0	24·0	266
12·0	28	29·0	26·6	258
14·1	18	30·6	27·5	263
16·2	12	23·9	22·8	272
18·0	1	18·0	18·0	300

1130 hr.

Ht. in Km.	n	V	v	D
10·5	19	32·8	30·9	275
12·0	17	32·8	30·2	266
14·1	10	28·5	27·9	269
16·2	4	22·7	19·4	246
18·0	2	15·0	14·3	293

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	28	26·7	25·4	264
12·0	28	28·0	26.4	254
14·1	19	30·2	28·9	260
16·2	11	21·3	17·6	265

CALCUTTA/DUM DUM

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	28	37·1	34·3	263
12·0	25	36·0	33·6	260
14·1	19	33·7	31·9	263
16·2	16	24·3	23·4	263
18·0	12	21·0	18·3	268
21·0	6	14·8	14·0	276
24·0	1	38·0	38·0	290

1130 hr.

Ht. in Km.	n	V	v	D
10·5	1	25·0	25·0	260

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	27	40·9	38·1	263
12·0	24	38·9	36·0	266
14·1	17	36·1	34·6	265
16·2	11	33·9	32·4	258
18·0	4	17·0	16·5	268
21·0	1	35·0	35·0	281

DIBRUGARH/ MOHANBARI

1130 hr.

Ht. in Km.	n	V	v	D
10·5	7	41·0	39·6	272
12·0	1	69·0	69·0	299

GADAG

0530 hr.

Ht. in Km.	n	V	v	D
10·5	21	17·5	16·0	275
12·0	16	16·8	14·9	248
14·1	13	16·0	13·3	248
16·2	13	7·7	7·3	260
18·0	11	10·5	7·4	276
21·0	9	12·9	8·2	283

1730 hr.

Ht. in Km.	n	V	v	D
10·5	15	15·9	12·5	267
12·0	14	15·1	12·4	252
14·1	9	12·2	9·2	242
16·2	8	12·3	8·9	291
18·0	8	10·7	7·1	318
21·0	6	15·0	11·7	290
24·0	1	43·0	43·0	230

GANGTOK

0830 hr.

Ht. in Km.	n	V	v	D
10·5	2	42·0	41·5	278
12·0	1	54·0	54·0	255

GAUHATI

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	10	46·7	45·0	277
12·0	4	50·0	48·5	281

1730 hr. *

Ht. in Km.	n	V	v	D
10·5	11	46·6	44·8	277
12·0	7	49·3	47·1	272
14·1	3	58·7	57·0	283
16·2	1	56·0	56·0	280

GWALIOR

0530 hr.

Ht. in Km.	n	V	v	D
10·5	3	41·3	40·5	284

1130 hr.

Ht. in Km.	n	V	v	D
10·5	2	38·5	38·3	286

JAGDALPUR

0530 hr.

Ht. in Km.	n	V	v	D
10·5	9	31·1	28·1	277
12·0	1	37·0	37·0	250

1730 hr.

Ht. in Km.	n	V	v	D
10·5	3	31·6	31·5	302

JODHPUR

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	7	46·1	40·9	267
12·0	3	54·0	46·3	305
14·1	1	64·0	64·0	304

1130 hr.

Ht. in Km.	n	V	v	D
10·5	6	61·5	60·0	271
12·0	4	70·5	70·3	269

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	8	54·7	52·7	287
12·0	3	54·7	53·2	273
14·1	1	54·0	54·0	270

MADRAS/ MINAMBAKKAM

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	28	11·0	7·8	280
12·0	28	10·4	7·2	226
14·1	24	11·1	6·1	224
16·2	23	7·3	2·5	284
18·0	16	6·3	3·9	281
21·0	10	6·4	4·3	263
24·0	2	9·5	9·3	095

1130 hr.

Ht. in Km.	n	V	v	D
10.5	4	6·0	1·1	011
12·0	2	9·5	8·5	155
14·1	1	6·0	6·0	065
16·2	1	6·0	6·0	290
18·0	1	5·0	5·0	085

1730 hr.*

Ht. in Km.	n	V	v	D
10.5	27	9·4	6·1	264
12.0	27	11·1	7·5	228
14·1	25	10·6	6·8	208
16·2	24	5·4	0·6	228
18·0	19	7·7	4·6	274
21.0	13	6·8	5·4	258
24·0	3	5·3	3·2	288

MANGALORE/ BAJPE

0530 hr.

Ht. in Km.	n	V	v	D
10·5	7	6·7	2·7	345
12·0	6	6·3	2·4	073
14·1	1	7·0	7·0	160

1730 hr.

Ht. in Km.	n	V	v	D
10·5	6	8·5	6·1	330
12·0	4	5·5	3·4	005

Table V—Monthly Mean Directions and Velocities of Upper Winds

Winds above 9.0 Km. above mean sea level

February, 1965 (Magha 12—Phalguna 9, 1886 Saka)

Ht. in Km.	n	V	v	D
	MINICOY			
	1130 hr.			
10·5	1	6·0	6·0	045
12·0	1	4·0	4·0	090
14·1	1	5·0	5·0	030
16·2	1	8·0	8·0	015
	1730 hr.*			
10·5	27	7·1	4·5	118
12·0	27	12·8	11·9	143
14·1	26	17·8	16·5	128
16·2	23	8·4	5·9	089
18·0	20	7·9	0·9	172
21·0	18	11·1	10·2	275
24·0	5	11·2	9·2	217
	NAGPUR/ SONEGAON			
	0530 hr.*			
10·5	28	29·7	27·1	279
12·0	28	26·8	24·6	275
14.1	8	24·5	23·5	258
16·2	1	14·0	14·0	260
	1130 hr.			
10·5	13	40·4	37·3	276
12·0		42·5	39·1	265
	1730 hr.*			
10·5	27	28·2	26·3	271
12·0	27	25·1	22·3	268
14·1	7	26·1	22.0	262
16·2	2	24·0	23·9	282
18·0	1	15·0	15·0	295
	NEW DELHI/ SAFDARJUNG			
	0530 hr.*			
10·5	24	46.7	44·8	278
12·0	20	52·5	50·5	277
14·1	17	42·5	39·7	275
16·2	14	22·9	21·9	270
18·0	14	12·4	11·0	256
21·0	9	5·5	1·9	011
24·0	2	3·5	3·5	079
	1130 hr.			
10·5	1	36·0	36·0	270
12·0	1	40·0	40·0	273

Ht. in Km.	n	V	v	D
	1730 hr.*			
10·5	28	48·1	45·9	276
12·0	25	55·9	53·4	277
14·1	22	44·5	42·7	274
16·2	21	22·5	21·4	273
18·0	21	12·1	8·3	282
21·0	12	7·4	3·4	332
24·0	6	6·2	5·3	018
27·0	1	5·0	5·0	035
30·0	1	7·0	7·0	215
	POONA			
	0530 hr.			
10·5	1	16·0	16·0	235
12·0	1	10·0	10·0	255
	1730 hr.			
10·5	4	22·0	20·5	275
12·0	1	23·0	23·0	310
14·1	1	21·0	21·0	310
	PORT BLAIR			
	0530 hr.*			
10·5	28	9·3	4·8	229
12·0	28	10·6	7·2	221
14·1	20	15·9	11·2	185
16.2	11	10·6	6·1	140
18·0	6	6·5	2·7	090
21·0	4	5·3	1·7	244
24.0	1	9·0	9.0	095
	1130 hr.			
10·5	17	8·1	4·2	186
12·0	17	9·8	6·0	180
14·1	14	10·8	7·9	161
16·2	13	8·2	2·2	169
18·0	13	6·7	1·5	193
21·0	5	6·6	4·9	135
24·0	4	15·5	4·3	149
27·0	1	9·0	9·0	220
30·0	1	4·0	4·0	175
33·0	1	4·0	4·0	056
36.0	1	14·0	14·0	045
	1730 hr.*			
10·5	28	9·0	4·6	247
12·0	27	11·4	6·7	216

Ht in Km.	n	V	v	D
	1730 hr. *			
14·1	19	14·8	10·5	170
16·2	10	10·9	6·8	154
	SRINAGAR			
	0530 hr.*			
10·5	16	29·9	28·4	266
12·0	15	38·3	36·9	274
14·1	3	35·0	34·7	275
16·2	1	40·0	40·0	266
	1730 hr.*			
10·5	17	28·1	26.5	275
12·0	14	32.9	30·9	283
14·1	7	39·3	38·6	292
16·2	1	41·0	41·0	255
	TIRUCHCHIRAP-PALLI			
	0530 hr.			
10·5	4	10·5	2.9	340
	1730 hr.			
10·5	1	4·0	4·0	070
	TRIVANDRUM			
	0530 hr.*			
10·5	25	8·5	3·7	081
12·0	25	11·4	9·5	137
14·1	23	16·3	14·6	139
16·2	18	7·8	4·5	068
18·0	14	8·3	6·1	291
21·0	6	7·8	6·5	244
24·0	3	9·0	7·7	096
	1130 hr.			
10·5	5	13·8	4·5	068
12·0	5	13·2	4·8	112
14·1	5	9·6	5·7	143
16.2	4	9·7	7·1	039
18·0	2	8·5	5·3	051
21·0	1	5·0	5·0	315
24·0	1	7·0	7·0	110

Ht. in Km.	n	V	v	D
	1730 hr.*			
10·5	26	8·3	3·6	124
12·0	25	11·9	10·4	148
14·1	23	16·6	15·4	137
16·2	17	7·5	4·2	089
18·0	15	8·1	1·9	198
21·0	5	14·0	11·4	254
	UDAIPUR			
	0530 hr.			
10·5	3	36·3	36·1	301
	1730 hr.			
10·5	1	29·0	29·0	295
	VERAVAL			
	1730 hr.			
10·5	3	34·7	34·1	300
12.0	2	25·0	24·6	282
	VIJAYAWADA/ GANNAVARAM			
	0530 hr.			
10·5	12	22·3	18·7	273
12·0	11	22·6	19·4	253
14·1	3	16·7	15·4	253
16·2	1	13·0	13·0	225
18·0	1	6·0	6·0	240
21·0	1	2·0	2·0	140
	1730 hr.			
10·5	6	22·0	20·8	263
12·0	4	20·0	19·3	266
	VISHAKHAPATNAM			
	0530 hr.*			
10·5	27	33·6	29·3	273
12·0	26	35·3	31·8	267
14·1	9	30·7	27·0	237
16·2	5	29·8	23·4	256
18·0	2	18·0	17·9	231

Ht. in Km.	n	V	v	D
	1130 hr.			
10·5	4	21·7	16·4	278
12·0	3	24·0	21·1	274
14.1	1	5·0	5·0	170
16·2	1	2·0	2·0	210
18·0	1	4·0	4·0	030
21·0	1	7·0	7·0	025
24·0	1	6·0	6·0	045
	1730 hr.*			
10·5	22	31·5	28·1	271
12·0	20	35·9	32·3	265
14·1	9	35·6	31·8	265
16·2	1	18·0	18·0	300
18·0	1	18·0	18·0	300

RADIOSONDE DATA

During the month, observations of upper air temperature, pressure and humidity were made at 15 stations in India as given in the list below. For detailed description of the instruments used, a reference may be made to the I. M. D. Scientific Notes Nos. 112 and 113 (Volume IX).

LIST OF RADIOSONDE STATIONS IN INDIA

Serial No.	Name of Station	Type of instrument used	Date of starting	Hours of routine observations in GMT during the month	Remarks
1	Ahmadabad	Fan type	20th July, 1961	00 and 12	
2	Allahabad/Bamhrauli	Clock type	1st October, 1944	00 and 12	
3	Bangalore	Fan type	10th March, 1961	00 and 12	
4	Bombay/Santa Cruz	Clock type	7th September, 1954	00 and 12	
5	Calcutta/Dum Dum	Clock type	13th December, 1946	00 and 12	Fan type used from 13-12-46 to 30-11-47.
6	Gauhati	Clock type	22nd July, 1955	00 and 12	
7	Jodhpur	Clock type	17th April, 1946	00 and 12	
8	Madras/Minambakkam	Fan type	29th June, 1946	00 and 12	
9	Minicoy	Fan type	12th May, 1963	12	
10	Nagpur/Sonegaon	Fan type	1st October, 1946	00 and 12	
11	New Delhi /Safdarjung	Clock type	3rd December, 1943	00 and 12	
12	Port Blair	Fan type	4th December, 1949	00 and 12	
13	Srinagar	Clock type	1st August, 1962	00 and 12	
14	Trivandrum	Fan type	1st July, 1947	00 and 12	
15	Vishakhapatnam	Fan type	8th December, 1946	00 and 12	

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(A) From Ascents at 00 hr G.M.T.

February, 1965 (Magha 12—Phalguna 9, 1886 Saka)

Standard Pressure Surface mb.	AHMADABAD Surf. Pr. (1005 mb.)						ALLAHABAD/BAMHRAULI (1000 mb.)						BANGALORE (910 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	28	055	289·4	294	286	281·1	28	098	286·0	291	281	280·6	28	921	289·7	292	287	286·7
1000	28	096	290·3	295	286	280·1	28	101	285·1	291	283	278·3	28	113	..	..	..	..
900	28	1007	291·9	297	289	273·8	28	997	288·3	296	283	273·7	28	1016	290·0	292	287	285·1
850	28	1495	288·5	294	285	271·0	28	1478	285·2	292	282	270·3	28	1506	289·7	293	286	279·7
800	28	2006	284·6	288	280	268·2	28	1983	281·7	287	278	268·2	28	2021	286·9	291	283	278·4
700	28	3109	277·8	281	269	258·5	28	3074	274·0	278	269	261·5	28	3134	280·4	283	277	270·3
600	28	4351	270·9	275	267	..	27	4290	265·8	270	260	..	28	4395	275·6	278	273	260·2
500	28	5776	261·6	266	258	..	27	5692	257·1	264	253	..	28	5849	266·9	271	264	..
400	28	7454	251·1	258	245	..	27	7341	245·8	253	240	..	27	7562	255·8	259	252	..
300	28	9523	239·2	244	232	..	27	9367	234·7	243	227	..	27	9657	241·0	245	237	..
250	26	10779	231·6	237	225	..	27	10607	229·3	237	220	..	27	10921	231·6	238	227	..
200	26	12266	222·0	225	216	..	27	12081	221·1	228	214	..	26	12397	219·5	224	213	..
175	25	13118	216·4	221	209	..	25	12944	216·6	221	209	..	22	13257	213·9	218	209	..
150	25	14081	210·6	216	203	..	23	13904	211·4	217	204	..	22	14204	207·9	215	204	..
125	22	15187	204·6	210	197	..	19	15042	206·4	214	201	..	20	15290	202·3	213	199	..
100	20	16509	200·1	206	193	..	16	16348	201·4	205	197	..	20	16607	196·9	204	193	..
80	17	17835	199·6	206	191	..	10	17653	200·7	204	196	..	16	17909	197·7	205	191	..
70	15	18630	202·7	208	197	..	9	18413	201·8	206	197	..	16	18690	199·7	207	191	..
60	13	19560	207·8	215	199	..	6	19338	203·2	209	199	..	16	19545	203·2	200	196	..
50	10	20671	212·2	223	204	..	..	..	..	..	..	..	14	20663	207·1	211	199	..
40	..	..	..	..	..	..	..	..	..	..	..	..	9	21998	210·4	216	202	..
30	..	..	..	..	..	..	..	..	..	..	..	..	6	23769	214·1	220	208	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

	BOMBAY/SANTA CRUZ (1008 mb.)						CALCUTTA/DUM DUM (1011 mb.)						GAUHATI (1007 mb.)					
Surface	28	013	292·0	297	289	287·4	28	006	288·7	295	285	287·3	28	049	287·3	291	284	285·4
1000	28	088	294·2	297	291	287·0	28	102	290·2	295	287	285·3	28	107	287·8	291	285	284·5
900	28	1005	294·3	298	288	281·7	28	1008	289·1	295	285	278·9	28	1002	287·6	290	284	278·1
850	28	1501	291·0	295	286	279·5	28	1492	286·0	291	281	276·6	28	1483	284·3	288	281	276·0
800	28	2018	287·0	290	282	277·7	28	2000	282·6	287	278	273·4	28	1987	280·9	285	277	271·9
700	28	3131	279·6	283	275	272·1	28	3099	276·6	281	271	262·1	28	3077	274·3	279	270	262·4
600	28	4386	273·1	276	268	263·7	28	4335	269·4	273	267	..	28	4302	267·6	272	264	..
500	28	5824	265·1	269	260	..	28	5758	261·9	268	257	..	26	5713	259·3	264	253	..
400	28	7527	254·5	262	249	..	28	7432	251·1	256	245	..	24	7375	248·8	255	242	..
300	28	9611	240·3	245	237	..	28	9505	240·4	245	231	..	23	9421	237·8	245	228	..
250	28	10868	230·2	236	226	..	28	10771	233·0	239	226	..	23	10676	232·2	238	223	..
200	28	12339	219·1	225	213	..	26	12267	223·8	229	219	..	23	12169	224·3	231	219	..
175	22	13192	211·9	218	203	..	25	13132	218·4	224	213	..	18	13050	220·1	227	215	..
150	21	14146	206·7	213	199	..	25	14108	212·9	219	207	..	15	14039	215·1	222	207	..
125	21	15328	201·0	208	194	..	25	15240	207·4	217	200	..	10	15160	211·0	217	202	..
100	18	16525	197·4	203	189	..	25	16576	202·6	210	195	..	7	16491	205·9	213	199	..
80	13	17818	200·2	212	188	..	22	17905	202·5	215	193	..	..	..	..	..	..	..
70	8	18656	206·2	215	197	..	20	18690	203·5	211	192	..	..	..	..	..	..	..
60	5	19631	203·4	213	193	..	14	19639	207·4	217	197	..	..	..	..	..	..	..
50	5	20795	211·4	214	205	..	10	20724	212·8	223	205	..	..	..	..	..	..	..
40	..	..	..	..	..	..	6	22218	217·8	225	211	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(A) From Ascents at 00 hr. G.M.T.

February, 1965 (Magha 12—Phalguna 9, 1886 Saka)

Standard Pressure Surface mb.	JODHPUR Surf. Pr. (987 mb.)						MADRAS/MINAMBAKKAM (1009 mb.)						NAGPUR/SONEGAON (976 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	28	218	287·0	291	281	276.4	28	015	295·3	298	293	293·9	28	311	288·8	293	285	279·9
1000	28	107	..	..	..	..	28	096	295·7	298	294	293·3	28	101	..	..	..	..
900	28	1002	289·5	295	285	272·4	28	1012	292·8	297	288	283.8	28	1004	292·7	295	289	280·4
850	28	1484	286·1	291	280	270·2	28	1503	290·5	297	287	280·5	28	1493	289·3	292	285	278·9
800	28	1990	282·4	288	277	268·2	28	2019	286·6	289	283	277·5	28	2006	285·3	287	282	276·7
700	28	3079	274·4	278	266	261.3	28	3131	281·0	284	277	267.0	28	3112	277·4	281	273	269·8
600	27	4301	266·8	272	261	..	28	4390	275·0	279	271	261·2	28	4353	271·2	275	266	260·8
500	25	5695	257·1	262	248	..	28	5839	266·5	270	262	..	28	5781	262·6	267	256	..
400	19	7361	246·9	253	241	..	28	7544	255·3	260	251	..	28	7462	252·2	257	247	..
300	12	9409	235·1	245	227	..	28	9640	240.3	246	233	..	28	9543	240·4	247	235	..
250	8	10643	228·3	235	224	..	28	10901	230.5	238	224	..	28	10805	231·7	238	225	..
200	7	12142	222·4	227	217	..	28	12369	217.7	223	212	..	28	12282	219·8	228	213	..
175	5	12995	221·2	225	219	..	27	13209	212.0	218	206	..	24	13130	214·1	221	209	..
150	..	..	..	..	..	..	25	14162	205·6	211	198	..	24	14087	208·2	215	202	..
125	..	..	..	..	..	..	24	15239	200·4	205	197	..	24	15196	198·9	211	198	..
100	..	..	..	..	..	..	24	16553	195·3	201	190	..	22	16498	198·0	204	189	..
80	..	..	..	..	..	..	17	17855	197.7	204	190	..	18	17823	198·6	208	195	..
70	..	..	..	..	..	..	15	18648	200·5	207	192	..	15	18597	201·5	207	196	..
60	..	..	..	..	..	..	12	19536	202·8	209	198	..	15	19323	205·6	215	200	..
50	..	..	..	..	..	..	12	20628	206·8	216	203	..	13	20613	209·8	218	205	..
40	..	..	..	..	..	..	9	21995	212·4	219	207	..	10	21963	213.6	219	209	..
30	..	..	..	..	..	..	..	..	..	..	..	..	7	23741	216·7	223	211	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Standard Pressure Surface mb.	NEW DELHI/SAFDARJUNG (988 mb.)						PORT BLAIR (1001 mb.)						SRINAGAR (842 mb.)					
Surface	28	209	285·4	289	282	279·5	28	079	296·2	300	293	294·6	20	1588	273·7	275	271	273·1
1000	28	106	..	..	..	..	28	850	296·4	300	293	294·6	20	180	..	..	..	..
900	28	995	286·8	296	280	269·6	28	1000	293·6	296	289	285·8	20	1045	..	..	..	..
850	28	1475	284·3	292	279	265.7	28	1492	291·1	295	287	282·7	20	1508	..	..	..	..
800	28	1979	280·8	288	277	264·0	28	2008	287·6	292	282	281·6	20	1994	271·1	274	269	..
700	28	3068	273·5	279	268	258·8	28	3123	281·3	284	275	272·1	20	3044	265·9	271	262	..
600	28	4286	265·2	270	261	..	28	4382	274·1	277	268	265·3	19	4226	259·7	263	256	..
500	28	5680	255·7	263	250	..	28	5828	266·2	271	259	..	19	5590	250·9	255	246	..
400	28	7317	244·5	251	239	..	28	7538	256·4	262	249	..	18	7213	239·7	245	235	..
300	28	9326	232·4	243	225	..	28	9635	241·4	247	235	..	18	9173	225·4	233	218	..
250	28	10555	227·4	236	220	..	28	10901	232·0	237	224	..	17	10366	221·0	230	210	..
200	28	12029	223·4	230	217	..	28	12380	220·5	228	213	..	16	11800	220·4	229	211	..
175	28	12898	220·3	226	215	..	21	13222	214·3	218	207	..	13	12669	220·5	227	212	..
150	27	13881	216·3	221	211	..	20	14196	207·7	212	199	..	13	13661	219·1	223	211	..
125	26	15014	212·3	218	206	..	14	15290	201·9	207	193	..	11	14828	218·2	223	211	..
100	24	16396	209·1	214	199	..	11	16611	198·1	203	193	..	8	16220	215·6	220	210	..
80	21	17750	209·4	215	203	..	9	17905	198·6	203	198	..	5	17611	217·0	220	213	..
70	21	18573	209·7	215	202	..	8	18661	199·3	203	195	..	5	18453	217·2	220	213	..
60	19	19527	212·1	217	204	..	6	19538	201·8	206	197	..	..	..	..	..	..	..
50	17	20674	215·9	221	210	..	5	20627	206·6	213	199	..	..	..	..	..	..	..
40	12	22161	219·0	223	214	..	..	..	..	..	..	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(A) From Ascents at 00 hr. G. M. T.

February, 1965 (Magha 12—Phalguna 9, 1886 Saka)

Standard Pressure Surface mb.	TRIVANDRUM Surf. Pr. (1002 mb.)						VISHAKHAPATNAM (1007 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A.				No. of obs.	Ht. gpm.	Temperature °A.			
			Mean	Max.	Min.	Dew Point			Mean	Max.	Min.	Dew Point
Surface	28	064	297·3	300	293	293·5	28	041	295.5	298	291	292·9
1000	28	079	297·5	299	294	293·3	28	102	295·7	297	293	292·3
900	28	999	292.7	295	291	286·4	28	1019	292·5	295	289	283·8
850	28	1491	290·1	291	288	282·2	28	1508	289·6	293	285	280·2
800	28	2007	287·6	290	285	278·6	28	2022	285·9	291	281	276·5
700	28	3125	281·0	285	271	273·7	28	3132	279·5	285	276	266·2
600	28	4385	274·2	278	269	265·6	28	4385	273·9	281	270	257·2
500	28	5834	266·8	270	263	..	28	5828	265·4	273	259	..
400	28	7546	256·1	261	251	..	28	7531	255·3	262	251	..
300	27	9646	241·4	255	237	..	28	9630	241·3	247	235	..
250	27	10907	230.6	235	225	..	28	10896	231·9	236	227	..
200	27	12378	218·4	225	213	..	27	12366	219·0	224	214	..
175	25	13202	211·7	219	205	..	25	13211	213·0	218	209	..
150	24	14166	205·0	213	198	..	24	14164	206·8	213	199	..
125	22	15227	199·0	207	194	..	23	15243	201·3	208	195	..
100	21	16531	195·7	204	191	..	22	16559	197·1	202	195	..
80	17	17791	197·3	201	193	..	19	17870	197·4	203	192	..
70	13	18599	200·7	207	196	..	18	18653	200·4	206	194	..
60	12	19505	203·7	211	200	..	15	19573	204·1	215	197	..
50	12	20560	207·2	215	202	..	14	20659	208·6	219	204	..
40	6	22007	210·7	216	206	..	6	21983	212·3	219	203	..
30												
20												
10												

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 hr. G. M. T.

February, 1965 (Magha 12—Phalguna 9, 1886 Saka)

Standard Pressure Surface mb.	AHMADABAD Surf. Pr. (1004 mb.)						ALLAHABAD/BAMHRAULI (999 mb.)						BANGALORE (908 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A.				No. of obs.	Ht. gpm.	Temperature °A.				No. of obs.	Ht. gpm.	Temperature °A.			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	28	055	303·8	307	300	282·9	28	098	299·7	303	293	282·3	28	921	300·1	303	297	285·2
1000	28	089	303·7	307	300	282·5	28	092	298·4	303	293	281·4	28	068	..	..	..	..
900	28	1015	294·9	301	292	275·8	28	1008	291·8	297	286	272·4	28	1003	299·1	301	296	284·7
850	28	1508	289·7	295	286	272·8	28	1494	287·9	293	283	268·1	28	1503	294·7	299	291	283·4
800	28	2020	285·5	291	281	269·2	28	2003	284·1	289	279	264·2	28	2025	290.0	293	286	281·2
700	28	3125	278·3	283	273	256·6	28	3100	276·3	281	273	258·3	28	3146	281·2	285	277	272·9
600	28	4369	271·1	275	265	..	28	4331	268·3	276	263	..	28	4405	275·1	278	269	265·1
500	27	5788	262·1	267	257	..	28	5739	258·4	265	255	..	28	5854	266·9	269	261	..
400	27	7468	251·8	258	245	..	28	7387	247·4	253	239	..	28	7567	255·7	260	249	..
300	25	9539	238·9	244	234	..	27	9433	236·2	243	228	..	28	9665	241·0	246	236	..
250	25	10793	231·8	237	227	..	27	10683	230·0	236	221	..	28	10929	231·8	237	226	..
200	25	12275	221·7	230	217	..	26	12167	221·7	228	213	..	28	12411	220·5	227	214	..
175	23	13129	215·9	222	212	..	24	13039	217·7	224	210	..	23	13270	214·2	219	204	..
150	18	14081	209.8	218	203	..	17	14004	213·3	221	207	..	23	14229	208·5	213	201	..
125	17	15187	204·5	213	199	..	13	15154	210·2	216	206	..	19	15327	203·2	211	196	..
100	14	16496	200·8	209	195	..	6	16430	203·3	205	202	..	18	16643	197·1	206	188	..
80	14	17805	200·7	209	193	..	5	17757	203·0	206	201	..	13	17969	198·9	205	191	..
70	13	18609	204·5	217	195	..	..	..	..	..	..	..	12	18748	200·8	207	192	..
60	11	19528	208·9	221	201	..	..	..	..	..	..	..	9	19654	203·5	209	200	..
50	6	20646	213·5	219	207	..	..	..	..	..	..	..	9	20719	206·5	211	203	..
40	..	..	..	..	..	..	..	..	..	..	..	..	5	22081	211·0	213	208	..
30	..	..	..	..	..	..	..	..	..	..	..	..	5	23876	217·2	220	212	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

	BOMBAY/SANTA CRUZ (1008 mb.)						CALCUTTA/DUM DUM (1009 mb.)						GAUHATI (1004 mb.)					
Surface	28	013	301.7	305	298	289·5	28	06	299·3	302	293	289·4	28	049	295·0	299	290	287·6
1000	28	083	301·1	305	297	288·7	28	089	299·4	302	293	287·8	26	085	295·4	299	290	287·0
900	28	1008	295·6	300	291	280·7	28	1012	293·6	297	291	281·3	26	993	289·8	295	284	277·7
850	28	1503	292·2	296	287	277·6	28	1503	289·8	292	286	277·9	26	1478	286·3	291	281	273·9
800	28	2021	287·8	291	284	275·7	28	2017	286·0	290	282	273·6	26	1985	282·7	286	279	270·6
700	28	3135	280·4	286	275	268·9	28	3128	279·3	284	274	263·7	26	3077	274·9	279	269	259·8
600	28	4389	273·8	279	268	262·5	28	4376	272·5	278	267	..	25	4305	267·5	273	263	..
500	28	5829	264·8	268	258	..	27	5813	263·7	269	258	..	24	5713	259·3	264	253	..
400	28	7530	254·6	260	247	..	27	7508	253·8	259	245	..	23	7380	248·8	254	244	..
300	28	9621	240·9	245	234	..	27	9603	243·2	249	236	..	23	9429	238·1	247	230	..
250	28	10889	231·6	237	229	..	27	10883	234·8	241	228	..	22	10690	231·9	239	221	..
200	28	12363	219·8	223	214	..	27	12388	224·6	231	220	..	21	12186	224·7	234	219	..
175	25	13218	213·3	218	206	..	27	13259	219·5	227	211	..	18	13051	218·9	225	213	..
150	22	14156	206·7	211	198	..	26	14239	213·7	221	205	..	16	14008	213·3	219	205	..
125	20	15267	201·5	205	192	..	25	15374	208·1	217	201	..	12	15142	207·9	216	201	..
100	18	16547	200·2	206	195	..	24	16711	202·9	212	194	..	8	16491	205·0	209	198	..
80	11	17870	206·2	217	199	..	20	18035	202·6	215	194	..	..	..	..	..	..	..
70	10	18685	208·8	220	199	..	17	18820	203·3	215	195	..	..	..	..	..	..	..
60	6	19643	211·8	222	203	..	10	19745	208·7	218	199	..	..	..	..	..	..	..
50	5	20750	214·4	218	211	..	9	20913	214·4	223	205	..	..	..	..	..	..	..
40	..	..	..	..	..	..	5	22312	216·6	221	212	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 hr. G. M. T.

February, 1965 (Magha 12—Phalguna 9, 1886 Saka)

Standard Pressure Surface mb.	JODHPUR Surf. Pr. (986 mb.)						MADRAS/MINAMBAKKAM (1008 mb.)						MINICOY (1009 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	28	218	300·1	300	290	277·4	28	015	300·7	303	299	294·0	28	002	300·7	301	299	294·6
1000	28	093	..	..	..	..	28	086	299·9	302	297	293·5	28	080	299·7	301	299	294·5
900	28	1010	292·9	299	285	272.2	28	1008	294·2	298	290	284·0	28	1002	292·4	296	289	287·1
850	28	1498	288.5	295	281	267·8	28	1501	291·3	295	287	280·9	28	1492	289·9	293	287	282·8
800	28	2006	283·9	291	276	267·8	28	2019	287·5	292	285	278·8	28	2007	287·5	290	283	277·8
700	28	3100	275·8	281	270	261.9	28	3135	281·7	284	278	268·6	28	3125	282·4	285	279	269·0
600	28	4331	268·2	275	262	..	28	4396	275·4	279	272	261·6	28	4388	275·5	272	271	261·5
500	28	5742	259·5	268	253	..	28	5847	267·1	271	263	..	28	5838	267·0	272	265	..
400	26	7407	248·9	256	242	..	28	7563	256·9	261	249	..	28	7549	256·6	262	252	..
300	11	9465	238·3	243	235	..	28	9665	241·0	248	234	..	27	9644	241·1	245	235	..
250	7	10745	231.4	238	223	..	27	10925	230·9	236	226	..	27	10904	230·9	236	226	..
200	..	..	..	..	..	..	27	12397	218·4	225	213	..	27	12373	218·7	223	211	..
175	..	..	..	..	..	..	25	13241	212·4	219	207	..	27	13207	211·7	219	205	..
150	..	..	..	..	..	..	25	14190	206·2	211	201	..	26	14159	205·5	211	199	..
125	..	..	..	..	..	..	25	15264	200·8	209	194	..	25	15224	199·5	206	191	..
100	..	..	..	..	..	..	25	16573	195·8	202	188	..	24	16538	196·2	202	192	..
80	..	..	..	..	..	..	21	17846	198·0	204	191	..	22	17824	197·0	202	191	..
70	..	..	..	..	..	..	20	18651	200·8	209	191	..	22	18609	199·8	211	193	..
60	..	..	..	..	..	..	16	19546	203·4	210	195	..	20	19511	201·5	210	197	..
50	..	..	..	..	..	..	13	20639	208·1	212	201	..	19	20590	204·3	211	199	..
40	..	..	..	..	..	..	9	21978	210·2	216	205	..	9	21920	206·2	202	201	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

	NAGPUR SONEGAON (974 mb.)						NEW DELH/ISAFDARJUNG (987 mb.)						PORT BLAIR (1000 mb.)					
Surface	28	311	302·9	306	299	281·9	28	209	295·5	299	291	280·3	28	079	300·3	302	298	295·4
1000	28	076	..	..	..	..	28	096	..	..	..	..	28	078	299·9	302	298	295.4
900	28	1006	295·8	299	293	282·9	28	1001	289·2	294	285	272·5	28	999	293·8	297	291	287·4
850	28	1500	291·1	296	287	281·0	28	1483	285·7	291	281	267·1	28	1491	291·0	295	281	283·6
800	28	2016	286·4	293	281	279·1	28	1988	281·9	288	277	261·6	28	2008	288·2	292	283	281·9
700	28	3125	277·3	285	273	270·9	28	3078	274·2	280	269	260·5	28	3127	281·7	285	277	272·4
600	28	4367	270·7	275	267	264·0	28	4298	265·9	271	261	..	28	4386	274·6	279	268	263·5
500	27	5788	262·2	269	258	..	28	5693	256·1	263	251	..	28	5834	266·1	271	264	..
400	27	7467	251·4	259	245	..	28	7329	244·4	251	240	..	28	7543	255·5	261	244	..
300	27	9536	239·2	244	233	..	28	9337	231·6	242	224	..	28	9642	241·2	246	237	..
250	27	10792	231·1	235	225	..	28	10561	226·9	237	216	..	28	10907	232·3	247	228	..
200	27	12266	219·7	225	213	..	28	12032	222·9	231	217	..	28	12389	220·0	230	216	..
175	27	13112	213·6	219	209	..	27	12902	219·6	227	214	..	24	13236	214·1	225	208	..
150	26	14071	207·7	212	203	..	26	13886	216·0	223	210	..	21	14199	207·6	219	199	..
125	25	15169	202·6	207	198	..	26	15030	212·3	219	205	..	15	15313	202·3	213	196	..
100	23	16475	199·3	205	195	..	26	16407	209·0	216	203	..	14	16618	197·1	206	192	..
80	18	17804	199·9	209	193	..	25	17774	208·5	215	201	..	7	17894	199·1	208	192	..
70	17	18592	201·3	213	193	..	24	18597	211·1	219	206	..	7	18673	200·4	211	196	..
60	11	19474	205·5	213	199	..	20	19530	212·5	218	203	..	..	..	..	..	..	..
50	10	20524	209·4	215	203	..	16	20639	216·2	221	211	..	..	..	..	..	..	..
40	6	21985	212·7	218	208	..	12	22103	218·8	226	214	..	..	..	..	..	..	..
30	..	..	..	..	..	..	11	23984	222·2	228	219	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(B) From Ascents at 12 hr. G.M.T.

February, 1965 (Magha 12—Phalguna 10, 1886 Saka)

Standard Pressure Surface mb.	SRINAGAR Surf. Pr. (840 mb.)						TRIVANDRUM (1000 mb.)						VISHAKHAPATNAM (1006 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	22	1588	278.2	282	274	274·9	28	064	302·5	304	301	294·7	28	041	300·2	302	299	293·7
1000	21	146	..	..	..	..	28	073	302·2	303	301	294.4	28	092	299.4	301	298	292.6
900	22	1022	..	..	..	..	28	994	294·5	297	293	287·7	28	1015	293·8	297	290	282·8
850	22	1491	..	..	..	..	28	1488	291·3	295	289	284·3	28	1506	290·2	294	289	280·9
800	22	1983	273.7	277	269	271.4	28	2006	287·6	291	283	280·8	28	2021	286·6	290	288	278·4
700	22	3041	267.4	272	263	..	28	3126	283·0	285	280	271·5	28	3132	279·1	283	276	271.1
600	22	4234	259.1	264	250	..	28	4390	276·0	281	271	264·3	28	4383	272·6	277	268	260.9
500	22	5596	250.1	255	246	..	28	5846	268·3	273	266	..	28	5823	264·9	268	261	..
400	22	7197	238.9	247	232	..	28	7566	256·9	261	254	..	28	7523	254·1	257	248	..
300	21	9146	224.7	229	221	..	26	9667	241·4	247	236	..	28	9615	240·7	247	237	..
250	20	10329	218.7	227	211	..	26	10930	231·1	236	226	..	27	10883	232·0	239	229	..
200	20	11756	219.7	231	209	..	25	12403	218·6	226	213	..	27	12363	220·1	227	217	..
175	19	12621	219.8	228	212	..	24	13245	212·7	221	207	..	26	13211	214·3	221	210	..
150	17	13624	218.3	225	210	..	24	14198	206·7	217	199	..	22	14163	208·1	212	203	..
125	16	14772	217.4	223	207	..	21	15286	200·7	210	193	..	19	15244	202·3	207	199	..
100	14	16189	216.5	221	210	..	19	16602	197·5	207	192	..	19	16563	197·6	201	194	..
80	13	17589	216.1	221	208	..	17	17904	199·6	209	191	..	16	17854	198·3	202	194	..
70	12	18430	216·3	222	207	..	14	18777	202·6	212	196	..	16	18639	201·1	205	197	..
60	8	19351	215·9	221	209	..	11	19659	206·3	215	199	..	13	19546	204·8	207	202	..
50	8	20511	217.4	225	212	..	9	20800	210·8	216	202	..	13	20652	209·8	213	205	..
40													6	22059	213.5	215	211	..
30																		
20																		
10																		

NOTE : Number of observations refer to those of dynamic height.

Means are not worked out for temperature and dew point for the 1000 mb. surface and for dew point for standard pressure surfaces with temperature less than 273°A.

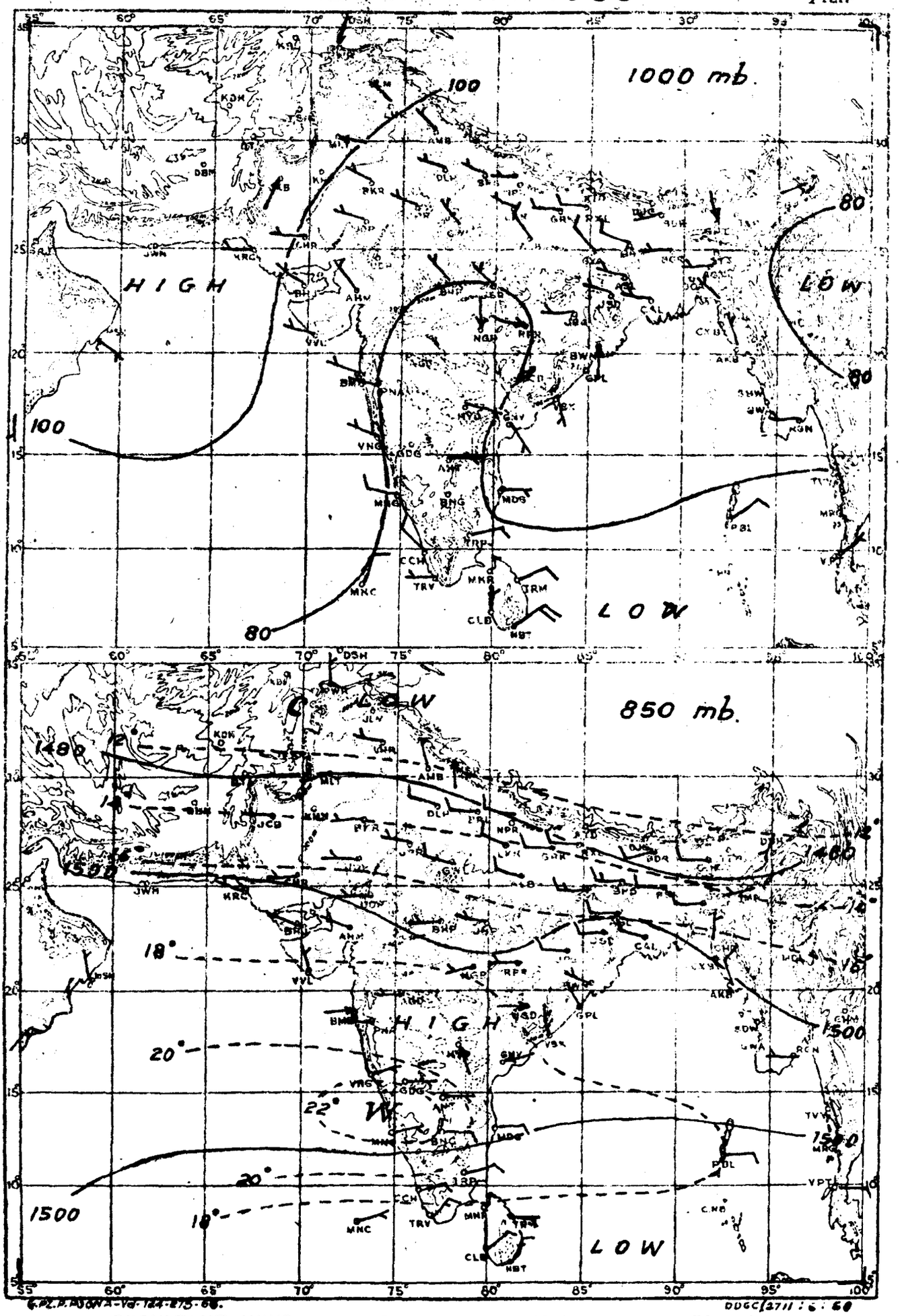
Means are not worked out for less than five observations at standard pressure surfaces.

GIPN—S 7—5 D.D.G. Obs. P./68—21-1-69—260.

MONTHLY MEAN CONSTANT-PRESSURE CHARTS

FEBRUARY 1965

I.Met.D. Plate I



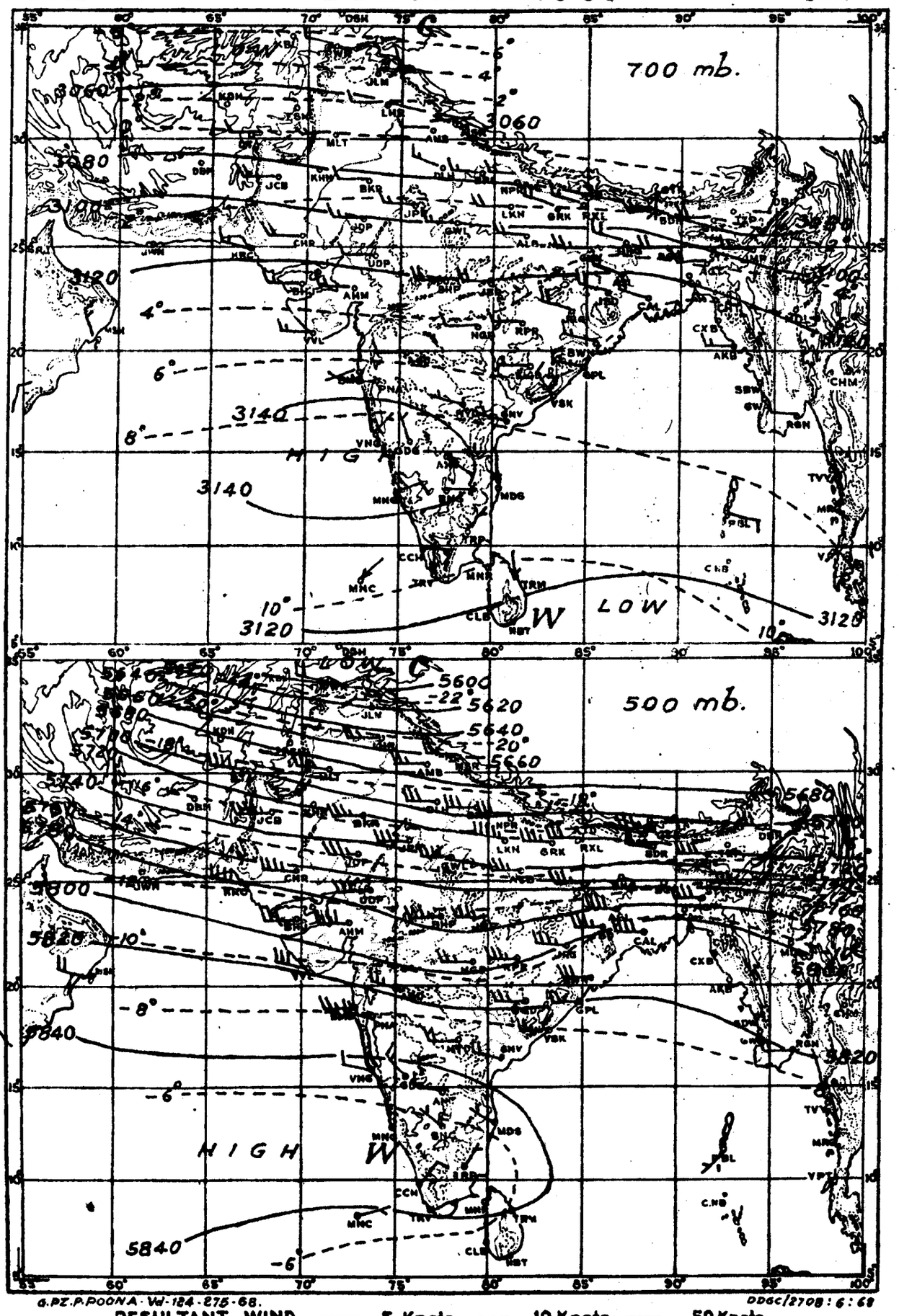
RESULTANT WIND —— 5 Knots, —— 10 Knots, —— 50 Knots.

- - - - - Isotherms in degrees centigrade ——— Contours in geopotential metres.

MONTHLY MEAN CONSTANT PRESSURE CHARTS

FEBRUARY 1965

I.Met.D. *Plate* II



G.PZ.P.POONA-W-184-275-68. DDGC/2708:6:68

RESULTANT WIND —— 5 Knots, —— 10 Knots, —— 50 Knots.

---------- Isotherms in degrees centigrade ———— Contours in geopotential metres.

G.P.Z.P. POONA, 1968

Registered No. MH-75

INDIA WEATHER REVIEW, 1965

Monthly Weather Report

MARCH

Published by authority of the Government of India

Chief features :

(i) Movement of six western disturbances across north India;

(ii) Fairly good precipitation over most parts of north and central India during the second fortnight.

(iii) A spell of unusually cold weather over the country outside the south Peninsula during the second fortnight.

Six western disturbances moved eastwards across north India during the month. Of these, five disturbances affecting northwest India during the second fortnight caused good precipitation there. The first disturbance moving from West Pakistan across Western Himalayas during the early part of the second week caused a number of showers in the Western Himalayas and the adjoining plains. The second disturbance was quite active on 18th and 19th when it was over the Punjab. Bareilly recorded 10 cm of rain and Dharchulla, Chandigarh and Ambala 6 cm each on 20th. The third disturbance was also fairly active. Both these disturbances induced troughs of low pressure over east Madhya Pradesh on 20th and 23rd respectively which moved away across Assam by 22nd and 25th respectively. In association with them, there was good thundershower activity over northeast India. The next two western disturbances were feeble and moved from west Pakistan to Assam. The last disturbance was fairly active and was lying over north Rajasthan and adjoining parts of West Pakistan and of the Punjab on 31st. The details of the movement and activity of the various disturbances are given in the accompanying statement.

The rainfall over the south Peninsula was scanty during the month. A trough in the low level easterlies which had appeared over the Andaman Sea towards the end of last month moved away slowly westwards across Maldive area by 6th. In association with it, thundershowers occurred at a few places in the south Peninsula during the period 3rd to 5th. Pamban and Coonoor recorded 3 cm of rain each on 3rd and 5th respectively. Mainly dry weather prevailed over the area thereafter. Two feeble lows moved westwards during the period 18th to 22nd causing a few showers in the extreme south Peninsula. During the last week also thunder showers occurred at a few places in the south Peninsula in association with a well marked upper wind discontinuity.

Weather over northeast India remained mainly dry during the first three weeks. However, a few light thundershowers occurred in Assam and Sub-Himalayan West Bengal during the first week due to the incursion of moist air from the Bay of Bengal. There was fairly good thundershower activity over the extreme northeast India in association with the two induced lows mentioned earlier. Some of the noteworthy amounts of rainfall recorded were : Bankura 7 cm, Malda 6 cm and Berhampore 5 cm on 24th, Sambalpur 6 cm on 30th and Titlagarh 6 cm on 31st.

Day temperatures were generally above normal over northwest India, Gujarat State and Uttar Pradesh during the first fortnight except from 6th to 11th when they were nearly normal. They were also above normal in the central parts of the country for a few days in the second week and over northeast India from 7th to 18th. A spell of unusually cool weather prevailed over the country outside the south Peninsula during the second fortnight with day temperatures remaining appreciably to markedly below normal over north and central India from 20th to 24th.

The total rainfall for the month was in large excess in West Bengal, Orissa, Bihar Plains, west Uttar Pradesh and east Madhya Pradesh, in moderate excess in Bihar Plateau and in slight excess in the Punjab. It was normal in east Uttar Pradesh, in slight defect in the Bay Islands, west Madhya Pradesh and south Interior Mysore and in moderate defect in Assam, Rajasthan, Vidarbha and Kerala. It was in large defect over the rest of the country outside Gujarat State, the Konkan, Rayalaseema and coastal Mysore where there was no rain.

1—6 D. D. G. Obs. (P)/68

The mean maximum temperature was above normal in the Bay Islands and below normal in south Assam and Gangetic West Bengal. It was normal over the rest of the country. The mean minimum temperature was below normal in Assam, Gangetic West Bengal, Orissa Bihar State, Uttar Pradesh, the Punjab and Jammu and Kashmir. It was normal over the rest of the country.

The mean relative humidity in the morning was above normal in Rayalaseema and below normal in the Bay Islands and Marathwada. It was normal over the rest of the country.

The mean cloud amount in the morning was above normal in Bihar State, east Uttar Pradesh east Madhya Pradesh, Madhya Maharashtra, Marathwada, Vidarbha and in north Interior Mysore and was below normal in north Assam, Rajasthan, Gujarat Region, the Konkan, Rayalaseema and coastal Mysore. It was normal over the rest of the country.

Table I contains the divisional and sub-divisional means of rainfall, temperature, humidity and cloud amount for the 15 chief political divisions and 32 sub-divisions. The stations whose observations are used for preparing these means are given in the subsequent tables.

The highest maximum temperature given for any station in the accompanying tables is that recorded within the 24 hours ending at 0830 hrs. I.S.T. of the date noted in the succeeding column; similarly the heaviest rainfall in 24 hours for any station denotes the amount recorded during the 24 hours ending at 0830 hrs. I.S.T. of the date given in the succeeding column.

POONA 5;
the 24th November, 1965

R. ANATHAKRISHNAN,
for *Director General of Observatories.*

NOTE : Description in respect of Himachal Pradesh is not included for want of normals.

STATEMENT SHOWING THE MOVEMENT AND ACTIVITY OF WESTERN DISTURBANCES DURING MARCH, 1965

No. Period	Course	Regions affected	Nature of precipitation	Period	Remarks
1. 6th–9th	West Rajasthan and adjoining West Pakistan, the Punjab—the Western Himalayas.	Jammu and Kashmir. Himachal Pradesh. The Punjab. West Uttar Pradesh.	Local rain. Local rain. Scattered rain. Scattered rain.	8th, 9th and 10th 8th. 8th—10th. 8th.	
2. 16th–21st	West Pakistan—north Rajasthan—the Punjab-Western Himalayas.	Jammu and Kashmir. Himachal Pradesh. The Punjab. Uttar Pradesh.	Fairly widespread rain. Fairly widespread rain. Scattered to fairly widespread rain. Scattered/local rain or snow.	18th and 19th. 19th and 20th. 18th, 19th, 20th and 21st. 18th, 19th, 20th and 21st.	Active over the Punjab on 18th and 19th. Bareilly recorded 10 cm rain on 20th. An induced trough of low pressure formed over east Madhya Pradesh on 20th and moved away eastwards across Assam by 22nd.
3. 21st–24th	West Pakistan—Rajasthan—the Punjab—Western Himalayas.	West Rajasthan. Jammu and Kashmir. Himachal Pradesh. The Punjab. Uttar Pradesh.	Scattered rain. Scattered/fairly widespread rain. Local/fairly widespread rain. Scattered/local rain or snow. Scattered/local rain or snow.	22nd and 23rd. 22nd and 23rd. 22nd and 23rd. 22nd, 23rd and 24th. 22nd, 23rd and 24th.	An induced trough of low pressure formed over east Madhya Pradesh on 23rd and moved away northeastwards across north Assam by 25th.
4. 24th–29th	West Pakistan—Rajasthan—Uttar Pradesh—Assam.	Jammu and Kashmir. West Uttar Pradesh.	Scattered rain. Scattered rain.	25th. 26th.	
5. 27th–31st	West Pakistan and adjoining west Rajasthan—Uttar Pradesh—Assam.	Jammu and Kashmir. The Punjab. West Uttar Pradesh.	Local rain. Scattered rain. Scattered rain or snow.	27th. 27th. 28th.	Feeble.
6. 30th	West Pakistan—north Rajasthan and adjoining West Pakistan and Punjab.	Rajasthan The Punjab. Uttar Pradesh.	Scattered rain. Local rain. Scattered rain.	30th and 31st. 31st. 30th and 31st.	Fairly active.

	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C.	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud 0830 hrs. IST.	Cloud 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
Division								
1. Assam (including NEFA, Nagaland, Manipur & Tripura)	52·1	65	28·7	13·6	68	51	2·6	3·1
	—28·5		—0·1	—1·5	—3		—0·6	
2. West Bengal	51·0	171	31·8	17·7	61	44	2·0	2·1
	+21·2		—1·0	—1·5	—1		—0·1	
3. Orissa	46·6	188	33·3	19·8	64	52	1·8	2·4
	+21·8		—0·7	—1·5	—2		—0·2	
4. Bihar	21·7	147	31·8	14·9	50	36	1·8	1·9
	+6·9		—0·7	—2·3	+1		+0·4	
5. Uttar Pradesh	18·2	152	31·2	13·9	52	29	1·7	1·9
	+6·2		—0·5	—1·2	+2		+0·2	
6. Punjab (Including Delhi). & Himachal Pradesh*	30·3	120	28·3	12·4	60	40	2·3	2·5
	+5·1		—0·6	—1·2	+3		—0·1	
7. Jammu and Kashmir.	29·5	24	15·5	2·8	66	49	4·3	3·7
	—94·5		0	—1·2	+2		+0·2	
8. Rajasthan	4·4	68	32·2	15·4	42	22	1·1	1·7
	—2·1		+0·3	—0·6	—1		—0·5	
Sub-Division								
1. Bay Islands	21·4	75	31·9	22·0	65	71	3·1	3·9
	—7·1		+1·1	+0·1	—7		+0·2	
2. North Assam (including NEFA	49·3	70	28·6	13·8	69	53	2·6	3·0
	—21·3		+0·4	—1·3	—3		—0·7	
3. South Assam (including Nagaland, Manipur and Tripura).	57·7	57	28·7	13·3	65	45	2·5	3·3
	—42·9		—1·2	—2·1	—3		—0·3	
4. Sub-Himalayan, West Bengal	51·0	161	30·2	15·0	58	38	2·0	1·8
	+19·4		—0·6	—0·8	—1		+0·3	
5. Gangetic, West Bengal.	51·0	175	32·3	18·6	62	46	2·0	2·2
	+21·9		—1·1	—1·7	—1		—0·2	
6. Orissa	46·6	188	33·3	19·8	64	52	1·8	2·4
	+21·8		—0·7	—1·5	—2		—0·2	
7. Bihar Plateau	31·9	142	31·9	14·8	50	33	2·0	2·3
	+9·5		—0·9	—2·8	+3		+0·5	
8. Bihar Plains	16·2	151	31·7	14·9	51	39	1·7	1·6
	+5·5		—0·6	—1·8	+1		+0·3	
9. Uttar Pradesh, East	9·7	103	31·9	14·5	50	28	1·7	1·7
	+0·3		—0·6	—1·2	+1		+0·4	
10. Uttar Pradesh, West	28·8	188	30·1	13·0	55	32	1·7	2·1
	+13·5		—0·3	—1·2	+3		—0·1	
11. Punjab (including Delhi).	30·3	120	28·3	12·4	60	40	2·3	2·5
	+5·1		—0·6	—1·2	+3		—0·1	
12. Himachal Pradesh	73·1	..	25·3	8·3	69	35	1·3	2·3
	..		..	..	..		..	
13. Jammu and Kashmir	29·5	24	15·5	2·8	66	49	4·3	3·7
	—94·5		0	—1·2	+2		+0·2	
14. Rajasthan, West	5·8	73	32·5	14·9	45	23	1·1	1·8
	—2·1		+0·7	—0·9	—5		—0·8	
15. Rajasthan, East	2·9	58	31·9	15·8	39	20	1·1	1·7
	—2·1		—0·1	—0·3	+1		—0·3	
16. Madhya Pradesh West	7·5	89	33·0	15·8	39	22	1·5	2·2
	—0·9		—0·6	—0·8	+2		+0·1	

	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C.	Mean minimum temperature °C.	Relative humidity % 0830 hrs. IST.	Relative humidity % 1730 hrs. IST.	Cloud 0830 hrs. IST.	Cloud 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
Division								
9. Madhya Pradesh	17·6	132	33·0	16·3	42	25	1·7	2·5
	+4·3		—0·6	—0·6	+2		+0·2	
10. Gujarat State (including Diu, Daman Dadra and Nagar Haveli)	0	0	33·8	18·4	62	37	0·9	0·4
	—1·4		—0·3	—0·5	+2		—0·2	
11. Maharashtra State (including Goa)	2·3	39	34·2	19·7	48	30	1·6	2·0
	—3·6		—0·5	—0·2	—1		+0·3	
12. Andhra Pradesh	1·8	21	35·3	21·9	65	43	1·7	1.4
	—6·9		—0·4	—0·5	0		—0·3	
13. Madras State (including Pondicherry)	5·4	34	33·4	22·9	72	55	2·5	2·3
	—10·5		—0·2	0	—3		—0·1	
14. Mysore	4·3	51	34·0	20·5	63	35	1·4	2·5
	—4·2		—0·3	—0·2	+2		—0·1	
15. Kerala	24·9	54	32·3	24·2	75	68	2·7	3·3
	—21·1		+0·2	—0·7	—1		0	
17. Madhya Pradesh, East	30·5	156	33·0	16·8	47	29	2·0	2·9
	+10·9		—0·5	—0·4	+1		+0·4	
18. Gujarat Region (including Daman, Dadra and Nagar Haveli)	0	0	36·0	18·2	50	20	0·5	0·4
	—1·1		—0·2	—0·3	—2		—0·5	
19. Saurashtra and Kutch (including Diu)	0	0	32·5	18·5	69	47	1·2	0·5
	—1·5		—0·3	—0·5	+4		—0·1	
20. Konkan (including Goa)	0	0	29·9	21·4	73	65	1·1	0·8
	—0·6		—0·6	—0·4	+2		—0.4	
21. Madhya Maharashtra	0·3	8	36·1	17·8	42	20	1·7	2·1
	—3·3		—0·2	—0·3	0		+0·7	
22. Marathwada	0·7	11	36·0	20·1	27	15	1·4	2·1
	—5·5		—0·2	+0·3	—9		—0·3	
23. Vidarbha	7·5	53	35·5	20·2	37	17	2·0	2·6
	—6·6		—0·7	—0·2	—4		+0·5	
24. Coastal Andhra Pradesh	0·6	7	33·8	22·1	75	58	2·0	1·4
	—8·6		—0·5	—0·8	0		—0·4	
25. Telangana	4·6	44	36·3	21·1	53	24	1·9	1·5
	—5·9		—0·1	—0·1	—4		0	
26. Rayalaseema	0	0	37·0	22·3	60	40	0·6	1·2
	—4·6		—0·6	—0·2	+9		—0·5	
27. Madras State (including Pondicherry)	5·4	34	33·4	22·9	72	55	2·5	2·3
	—10·5		—0·2	0	—3		—0·1	
28. Coastal Mysore	0	0	31·3	22·5	78	71	1·6	2·2
	—2·0		—0·4	—0·7	0		—0·6	
29. Interior Mysore, North.	0·9	12	35·8	20·9	49	26	1·3	2·7
	—6·9		—0·2	—0·1	0		+0·3	
30. Interior Mysore, South	9·0	75	33·7	19·2	68	27	1·4	2·5
	—3·0		—0·4	—0·1	+4		—0·3	
31. Kerala	24·9	54	32·3	24·2	75	68	2·7	3·3
	—21·1		+0·2	—0·7	—1		0	
32. Arabian Sea Islands	0·4	3	31·7	24·5	73	65	2·5	2·0
	—12·8		+0.5	—0.6	+1		—0·2	

NOTE.—The entries in the second line for each division and sub-division indicate departures from normal.

*Data of Himachal Pradesh not included.

TABLE II—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER—MARCH, 1965 (PHALGUNA 10, 1886 CHAITRA 10, 1887 SAKA)

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28	29
Bay Islands																													
Maya Bandar	30·9	..	33·3	25	22·9	..	20.8	27	0	41·4	..	41·4	1	1	..	9·1	5·7	..	0	1	0	0	0	0	0	0	0	0	0
Long Island	30·6	..	32·3	24	20·7	..	18·2	29	0	17·4	..	14·6	18	1	..	7·5	4·3	..	0	2	0	0	0	0	0	0	0	0	0
Port Blair	31·9	+1·1	33·4	28	22·0	+0·1	19·6	28,29	0·2	21·4	−7·1	17·4	1	1	−1.1	6·8	4·6	−4·9	1	4	0	0	3	4	0	0	0	0	0
Car Nicobar	31·1	..	31·9	27	22·9	..	16·9	25	9·5	19·5	..	8.0	28	3	..	8·0	4·4	..	0	4	0	0	0	0	0	0	0	0	0
Nancowry	32·8	..	34·4	4,30	25·2	..	23·1	15	18·8	46·2	..	23·0	15	6	..	..	..	..	0	7	0	0	11	0	0	0	0	0	0
Kondul	..	..	..	..	24·6	..	23·4	27	63·5	77·6	..	26·2	10	6	..	..	..	..	0	7	0	0	1	0	0	0	0	0	0
North Assam (including Nefa).																													
Pasighat	25·2	..	30·4	18,20	14·4	..	11·0	4	5·7	103·7	..	31.0	23, 25	4	..	11·6	17·0	..	2	11	0	1	9	0	0	0	0	0	0
Dibrugarh (Mohanbari).	26·2	+0·6	30·6	16,17 20	12·6	−2·0	9·9	5,6	17·0	60·2	−42·9	13·2	29	10	+1·5	6·5	4·6	+0·4	2	13	0	0	16	1	0	0	0	1	0
Digboi	28·0	..	31·5	30	13·5	..	10·0	9	4·3	38·7	..	5.7	30	7	..	..	..	..	0	14	0	0	0	0	0	0	0	0	0
North Lakhimpur.	26·5	−0·6	30·4	20	12·7	−2·3	8·9	6	9·4	38·9	−72·7	8·2	24	6	−0·3	6·5	4·2	..	0	10	0	0	3	0	0	0	0	0	0
Sibsagar	26·7	+0·5	30·4	18,20	14·9	−0·7	11·8	6	11·0	30·3	−81·5	8·6	29	5	−3·5	3·1	2·4	−1·5	0	8	0	0	9	18	0	0	0	0	0
Gohpur	27·2	..	31·1	19	12·8	..	9·1	5	10·4	43·4	..	35·4	25	2	..	6·3	5·0	..	1	4	0	0	0	1	0	0	0	0	0
Majbat	29·3	..	38·6	1	..	..	..	..	0	35·2	..	30·0	24	2	..	4·3	5·6	..	0	3	0	0	0	0	0	0	0	0	0
Jorhat (Aerodrome)	27·5	..	31·3	20,22	14·4	..	11·0	15	19·8	50·5	..	18.8	25	7	..	..	..	..	0	9	0	0	9	1	0	0	0	0	0
Tangla	29·9	..	33.4	19	15·1	..	9·3	3,5	10·0	24.0	..	10·4	24, 27	3	..	4·5	3·3	..	0	3	0	0	0	0	0	0	0	0	0
Tezpur	28·9	+0·3	32·4	17,19	15·9	−0·9	13·0	3,4	1·1	48·8	0	17·6	25	5	+0·5	8·3	7·1	+1·8	0	6	0	0	0	0	0	0	0	0	0
Golaghat	28·2	..	32·1	20	14·4	..	10·7	6	4·2	40·4	..	20·0	24	5	..	..	..	..	0	7	0	0	0	0	0	0	0	0	0
Rangia	29·7	..	33·6	19	13·9	..	10·0	3	0	50·3	..	24·0	24	4	..	(a) 8·0	6·1	..	0	4	0	0	0	0	0	0	0	0	0
Chaparmukh	30·4	..	34.5	20	11·0	..	..	..	0	54·0	..	25.2	24	3	..	10·4	7·5	..	0	5	0	1	0	0	0	0	0	0	0
Goalpara.	28·8	..	32·3	12	11·5	..	5·8	1,3,4	38·2	94·2	..	35·2	30	5	..	..	..	..	0	6	0	0	0	0	0	0	0	0	0
Gauhati	*	..	..	..	..	..	..	..	..	11·7	−38·8	7·5	23	1	−2·8	..	..	..	1	4	0	0	0	0	0	0	0	0	0
Gauhati(Bhorjor)	29·3	−0·6	33·2	19	13·7	0	9·5	3	1·6	74·5	+24·0	31·2	30	6	+2·2	8·1	4·9	..	1	6	0	0	7	0	1	0	0	2	0
Dhubri (Rupsi)	30·7	..	35·1	19	14·0	..	8·7	5	15·6	63.2	..	53·6	30	3	..	10·7	8·2	..	2	5	0	0	5	0	0	0	2	0	0
Dhubri	30·2	+0.2	34.5	19	..	..	..	..	34.6	46·8	+4.6	16.2	29	4	+1.5	8.8	10.0	+2.8	0	4	0	0	2	0	0	0	0	0	0
Lumding	32.7	+2.6	35.0	19	13.0	−1.6	9·1	3	19.6	82·9	+37.2	35.4	30	6	+1.7	6.6	4.6	..	0	7	0	0	0	0	0	0	0	0	0
South Assam (including Nagaland Manipur and Tripura																													
Tura	29.2	..	33.4	19	13.1	..	7.1	24	32.3	52.0	..	20.4	24	4	..	7.0	6.9	..	1	4	0	0	0	0	0	0	0	0	0
Haflong	25.2	..	28.7	19	14.5	..	9.6	4	8.2	78.5	−30.0	31.8	4	7	−0.2	..	..	..	0	7	0	0	7	0	0	0	0	0	0
Silchar (Kumbhirgram)	30.3	..	33.5	16,17	15.9	..	12.6	6	22.9	68.8	..	18·2	29	7	..	7.0	9.3	..	0	9	0	0	9	0	0	0	0	0	0
Silchar	27.5	−2.8	32.5	23	16.5	−0.7	13·4	6	18.2	69.8	−101.9	23.0	29	5	−3.1	4.3	2.2	−0.9	0	7	0	0	8	0	0	0	0	0	0
Imphal(Tulihal)	26.2	−0.6	29.8	17	7.0	−3.4	3.1	2	3.0	21.2	−30.0	9.5	4	4	+0.1	11.0	6.6	−1.0	1	7	0	0	8	1	0	0	0	0	0
Kailashahar	31.3	..	34.3	19	15.0	..	10.8	6	74.6	89.5	..	30.8	29	6	..	(d) 5.4	(d) 3.2	..	0	7	0	3	7	0	0	0	3	0	0
Agartala	32.3	−0.3	35.0	18	16.4	−2.2	10.3	5	10·6	61.2	−9.7	29.6	28	4	0	9.1	6.0	−0.8	0	4	0	0	7	5	0	0	0	2	0
Sub-Himalayan West Bengal																													
Bagdogra	29.3	−1.0	33.3	19	12.8	−2·5	6.2	4	5.5	22.6	−10.2	17.0	31	2	−0.5	13·6	9.8	+2.9	0	3	0	0	3	0	0	0	0	0	0
Jalpaiguri	29·3	−0.3	34.9	19	15.4	−0.3	10.3	4	4.6	34.0	+1.7	12.0	25	4	+1.7	..	..	..	1	4	0	1	5	0	0	0	0	0	0
Cooch Behar	29.5	..	34.1	19	13.6	..	8.1	4	4.7	89.5	+47.8	60.0	30	3	+0.5	7.8	4.8	..	0	4	0	0	7	0	0	0	0	0	0
Balurghat	32.1	..	36.5	19	15.1	..	9.7	2	16.4	22.8	..	22.8	24	1	..	6.9	4.7	..	0	1	0	0	0	0	0	0	0	0	0
Malda	31.9	−0.4	35.9	19	16.7	+0.3	12.7	5	52.4	57.8	+38.2	55.4	24	1	−0.3	4·1	2.5	−3.5	0	3	0	1	4	0	0	0	0	0	0
Gangetic West Bengal.																													
Berhampore	32.6	−0.8	36.9	19	16.8	−1.7	13.3	4	41.8	54.2	+27.8	50.8	24	1	−0.9	4.4	3.2	−0.3	0	3	0	1	2	5	0	0	0	0	0
Suri	32.6	..	36.9	19	17.3	..	12.8	5	..	36.4	..	19.0	30	3	..	..	5.6	..	0	3	0	0	0	0	0	0	0	0	0
Asansol	32.9	−1.4	37.0	19	16.0	−2.8	11.8	5	4.6	37.4	+16.6	19.8	30	3	+1.2	8.3	5.8	−1.0	0	4	0	0	7	0	0	0	0	1	0
Shanti Niketan.	32.4	..	36.6	19	17.2	..	12.1	6	13.6	62.4	..	32.8	30	4	..	6.8	5.8	..	0	5	0	0	7	0	0	0	0	0	0
Krishnanagar	33.6	−0.1	37.8	18	17.1	−1.6	11.0	5	21.2	50.5	+11.9	20.2	23	4	+1.9	3.9	4.4	−0.3	0	4	0	0	4	0	0	0	0	0	0
Purulia	32.3	−1.6	36.1	19	17.2	−2.8	13.0	1	1.4	34.1	+14.9	17.0	21	2	0	6.7	4.9	+0.3	3	3	0	1	7	0	0	0	0	0	0
Bankura	33.6	..	37.6	19	18.3	..	13.9	5	55.2	102.0	+74.3	69.2	24	3	+1.1	4.8	3.1	..	0	3	0	1	1	0	0	0	0	0	0
Burdwan	33.2	−0.9	37.0	19	..	..	..	..	16.2	58.6	+19.0	19.0	30	4	+1.7	(d) 7.9	(g) 5.7	+2.5	0	4	0	0	0	0	0	0	0	0	0
Barrackpore (Aerodrome).	31.0	..	35.3	28	18.2	..	12.7	5	36.7	80.8	..	35.2	23	4	..	..	..	..	0	4	0	0	8	10	0	0	0	0	0
Calcutta (Dum Dum).	32·8	−0.9	36.4	18	18.7	−1.8	13.4	5	3.0	22.4	−6.7	11.4	24	4	+1.5	9.8	6.6	−2.0	0	5	0	0	6	2	0	0	0	0	0
Calcutta	32.7	−0.9	36.3	18	20.0	−0.4	15.3	5	2.5	27.5	−7.0	14.2	24	4	+1.7	11.4	5.7	+0.1	0	4	0	0	6	2	0	0	0	0	0
Midnapore	33.6	−1.5	37.2	18	19.1	−1.7	14.2	5	13.3	25.1	−10.7	6.4	29	5	+2.6	8.1	5.9	+1.7	0	6	0	0	3	0	0	0	0	0	0
Contai	31.1	−1.4	35.3	12	20.1	−2.1	15.6	4	39.5	74.9	+59.4	32.0	30	5	+3.6	14.5	9.7	−1.2	0	5	0	1	0	0	0	0	0	0	0

(a) Mean of 30 days. (d) Mean of 27 days. (g) Mean of 24 days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed, km per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Gangetic West Bengal—(Contd.)																													
Sagar Island	28·6	−1.7	32.8	13	22.8	−0.6	17.7	23	7.8	74.4	+41.6	33·8	23	3	+1.2	19.5	19.6	+4.2	0	4	0	0	6	3	0	0	0	2	0
Sandheads	30.1	..	33.3	17	23.6	..	19.8	24	33.5	62.1	+41.3	25.0	22	3	+2.0	..	..	..	0	4	0	0	6	0	0	0	0	0	0
Orissa																													
Baripada	34.8	..	38.6	19	18.3	..	13.2	6	36.8	74.6	..	19.8	23	6	..	5.0	3.3	..	0	6	0	2	6	0	0	0	0	0	0
Jharsuguda	33.9	−0.9	38.5	29	17.7	−0.9	11.5	5	8.2	64.3	+33.3	30.4	30	3	+0.5	9.4	6.9	−0.2	0	5	0	1	9	0	0	0	0	3	0
Keonjhargarh	32.3	..	35.5	19	..	..	..	..	21.0	58.4	..	35.0	30	2	..	9.3	6.1	..	0	4	0	0	0	0	0	0	0	0	0
Balasore	33.2	−0.5	36.8	9	18.5	−2.3	12.9	5	34.7	82.9	+36.2	29.0	30	5	+2.1	11.8	8.1	+1.8	0	6	0	1	6	0	0	0	0	0	0
Sambalpur	34.0	−1.4	37.6	29	17.4	−1.9	12.8	4	22.0	98.0	+76.2	57·0	30	3	+1.3	5.9	4.8	+0.8	0	3	0	0	1	0	0	0	0	0	0
Angul	34.8	−0.6	40.0	13	18.4	−1.7	13.2	5	3.4	25.6	+7.1	12.0	30	2	+0·3	(a) 9.1	7.1	+0.5	0	5	0	0	5	0	0	0	0	0	0
Chandbali	33.6	−0.6	36.8	19	20.0	−1.5	14.5	5	10.6	21.9	−10.9	11.0	30	2	−0.1	12.6	9.3	−0.4	0	4	0	0	2	0	0	0	0	1	0
Bolangir	35.1	..	39.9	29	19.7	..	14.7	5	19.0	37.8	..	16.4	31	4	..	5.5	7.1	..	0	6	0	1	6	0	0	0	0	0	0
Phulbani	32.8	..	35.5	18,19, 28	14.2	..	6.0	5	12.2	55.4	..	28.0	30	4	..	6.3	3.3	..	0	6	0	0	5	2	0	0	0	0	0
Cuttack	35.5	−0.4	38.9	18	21.0	−1.1	17.4	5	12.4	24.6	−1.8	17.1	30	2	+0.6	8.6	6.1	+2.2	0	4	0	0	0	4	0	0	0	0	0
Titlagarh	35.4	..	38.3	29	20.2	..	14.0	5	71·7	118.1	..	59.8	31	5	..	4.8	3.6	..	0	8	0	1	10	0	0	0	0	0	0
Bhubaneswar	34.5	−0.6	37.7	17	20.8	−1.5	16.4	5	30.0	38.9	+22.1	29.2	30	2	+0.7	18.3	14.7	−2.4	0	4	0	0	6	2	0	0	0	0	0
Puri	29.7	−0.5	30.7	25	22.5	−1.7	18.9	30	3·4	34.8	+22.1	28.4	23	2	+1.1	20.7	21.0	+3.9	1	3	0	0	3	0	0	0	0	0	0
Gopalpur	30.2	−0.4	32.0	3	21.5	−1.2	17.9	6	0.7	28.1	+12.1	21.6	23	3	+1.9	19.5	16.2	+0.4	0	4	0	0	5	0	0	0	0	0	0
Koraput*																													
Bihar Plateau																													
Dumka	32.8	−0.4	37.0	19	16.1	−2.0	11.4	5	8.2	30.4	+7.3	11.2	30	3	+1.4	9.6	5.0	+1.9	0	3	0	0	0	0	0	0	0	0	0
Daltonganj	32.4	−0.5	35.6	27	13.6	−1.9	7.4	6	5.2	11.2	−5.8	10.2	29	1	−0.6	6·4	4.3	−0.2	0	2	0	0	0	0	0	0	0	0	0
Hazaribagh	29.5	−1.4	33.9	19	14.8	−2.5	9.4	5	4.9	21·5	−2.4	13.6	30	2	+0.1	11.8	9.4	−0.9	0	6	0	0	9	0	0	0	0	0	0
Dhanbad	32.3	..	36.0	9,19	19·0	..	14.0	4	15.6	53.8	..	26.4	30	3	..	3·6	3.0	..	0	5	0	0	7	0	0	0	0	0	0
Ranchi	29.1	−1.4	30.9	11,29	15.3	−2.1	12.3	3,4	17.5	53.0	+22.8	24.0	21	3	+0.5	6.8	(a) 4.5	−2.9	0	4	0	0	5	0	0	0	0	0	0
Ranchi (Aerodrome)	29.6	..	33.4	29	15.8	..	11.4	24	10.0	47.2	..	19.0	30	3	..	11·7	9.8	..	0	5	0	1	7	0	0	0	0	1	0
Jamshedpur	33.7	−0.7	37.0	19	16.9	−1.3	13.3	5	0.5	20.4	+2.1	16.3	30	2	0	8.6	5.9	+1.6	0	4	0	0	4	3	1	0	0	0	0
Jamshedpur (P. B.O.)	33.4	..	36.5	19	17.1	..	11.6	5	0.6	20.0	..	16.0	30	2	..	9.1	5.9	..	1	2	0	0	6	0	0	0	0	0	0
Chaibasa	33.7	−0.9	37.0	19	17.0	−1.8	11.6	5	13.6	55.2	+33.1	20.2	30	5	+3.3	5.7	3.8	+0.6	0	7	0	0	4	0	0	0	0	0	0
Bihar Plains																													
Motihari	30.5	−0.9	34·5	19	..	..	..	..	3.2	27.7	+15.2	15.7	31	2	+1.1	7.3	4.5	−0.3	0	5	0	0	5	0	0	0	0	0	0
Forbesganj	30.9	..	35.3	19	13.0	..	6.9	4	3.4	43.2	..	31.8	31	2	..	10.1	6.6	..	0	4	0	0	5	0	0	0	0	0	0
Darbhanga	30.9	−0.7	35.0	19	14.8	−1.0	9.9	2	10.4	24.2	+11.3	10.4	24	3	+1.9	5.6	4.2	−0.1	0	4	0	0	2	0	0	0	0	0	0
Muzaffarpur	..	..	..	..	..	..	..	..	..	29.4	+19.7	19.1	24	2	+1.1	..	..	..	0	4	..	..	..	..	..	..	..	..	..
Chapra	31.9	..	36.2	19	16.5	..	12.0	4	0.8	7.2	−1.9	4.6	20	2	+1.1	3.6	3.8	..	0	2	0	0	4	0	0	0	0	0	0
Purnea	31.5	−0.4	35.6	19	12.5	−2.7	5.8	2	20.8	21.4	+8.7	17.8	24	1	−0.1	8.6	5.3	+0.8	0	2	0	0	3	0	0	0	0	0	0
Patna	32.2	+0.1	37.0	19	16.7	−1.2	12.1	1	6.8	11.2	+0.5	4.6	20	3	+1.9	7.6	7.3	+1.7	0	3	0	0	3	0	0	0	0	0	0
Patna Aerodrome	31.4	..	35.3	19	14.6	..	10.4	2	4.9	8.7	..	4.1	20	2	..	10.9	6.1	..	0	3	0	0	4	0	2	0	0	0	0
Arrah	..	..	..	..	..	..	..	..	..	0	−9.7	0	..	0	−0.9	..	..	..	0	0	..	..	..	..	..	..	..	..	..
Bhagalpur	32·4	−0.6	37.6	19	17.2	−1.9	13.2	24	14.0	16.1	+10.5	12.4	24	1	+0.3	8.7	6.5	−1.2	0	5	0	0	4	0	0	0	0	0	0
Sabaur	31.6	−1.0	37.0	19	13.0	−2.1	8.2	2	20·8	24.4	+13.7	19·0	24	1	+0.1	9.0	5.5	−2.9	0	5	0	0	4	0	0	0	0	0	0
Jamui	32.2	..	36.5	31	16.4	..	11.6	5	4.5	4.5	..	2.5	23	1	..	(b) 7.0	(b) 5.1	..	0	2	0	0	0	0	0	0	0	0	0
Dehri	32.3	..	37.2	19	17.5	..	13.2	4	2.3	10.5	−0.7	7.2	19	2	+1.0	9.3	7.0	..	0	2	0	0	2	0	0	0	0	0	0
Gaya	32.8	−0.4	36.6	19	15.4	−1.9	10.7	1,4	1.4	5.8	−6.7	3·8	19	1	−0.2	11.7	8.0	+0.4	2	3	0	0	4	0	0	0	0	0	0
Uttar Pradesh East																													
Kheri (R)																													
Baharaich	31.4	−0.1	36.2	18	14.4	−0.5	8.6	1	0	9.2	−0.7	4.4	31	2	+1.2	11.1	7.3	+2.8	0	3	0	0	4	0	0	0	0	0	0
Nautanwa	31.3	..	35.0	18	..	..	..	..	0	2.2	..	2.2	31	0	..	..	..	..	0	1	0	0	0	0	0	0	0	0	0
Hardoi	30.8	−1.2	36.8	18	13.5	−2.2	9.0	1	..	..	..	..	..	..	..	(a) 11.5	7.3	+1.1	..	..	0	0	3	0	0	0	0	0	0
Gonda	31.7	−0.5	36.0	30	14.3	−0.8	9.3	1	3.4	5.3	+0.7	3.4	24	1	+0.2	9.4	6.0	−1.4	0	3	0	0	0	0	0	0	0	0	0
Lucknow	30.7	−2.0	37.0	19	14.0	−1.9	11.0	2,3,9	7.0	6.8	−1.8	4.2	24	1	+0.1	5.5	4.0	+0.3	0	5	0	2	2	1	0	0	0	0	0
Lucknow (Amausi)	31.8	−0.5	36.0	18	13.0	−1.1	6.7	1	5.2	4.0	−4.6	3.0	31	1	+0.1	14.2	9.3	..	0	3	0	2	3	0	0	0	0	1	0
Faizabad	31.6	..	36.8	18	13.3	..	8.7	1	0.8	6.2	..	4.6	31	1	..	7.5	4.0	..	0	3	0	0	2	0	0	0	0	0	0
Gorakhpur	32.3	+0.1	36.6	18,19	16.1	−0.2	12.1	4,5	0.4	0.4	−9.5	0.2	20, 24	0	−0.8	8.7	5.5	+1.8	2	0	0	0	0	0	0	0	0	0	0
Kanpur	31.8	−0.1	37.9	18	15.2	−0.4	9.3	1	0	2.0	−5.4	2.0	31	0	−0.8	14.9	9.4	−0.3	0	1	0	0	0	0	0	0	0	0	0
Kanpur (Aerodrome)	32.1	..	36.7	18	14.4	..	8.2	1	0	1.6	..	1.6	31	0	..	..	..	..	0	1	0	0	4	0	3	0	0	0	0

(a) Mean of 30 days. *Data available for less than 15 days hence no means published. (b) Mean of 29 days.

TABLE II—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER—MARCH, 1965 (PHALGUNA 10,—1886 CHAITRA 10, 1887 SAKA)

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed, km per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28	29
Uttar Pradesh East—(*Contd.*)																														
Sultanpur	32.1	..	36.4	18	14.4	..	8.9	1	0	14.8	..	8.4	31	2	..	7·9	6.1	..	0	2	0	0	4	0	0	0	0	0	0
Azamgarh	32.6	..	38.3	18	14.7	..	10.6	1,4	3.4	15.0	..	7.6	31	3	..	..	..	..	0	3	0	0	1	0	0	0	0	0	0
Fatehpur	32.6	−0.3	38.0	18	14.2	−1.5	9.0	1	0	3.9	−3.2	2.4	31	0	−0.9	11·3	6·8	+1.3	0	2	0	0	2	0	0	0	0	0	0
Ballia	31.9	..	35.5	31	13.5	..	9.0	1	9.4	23.6	..	9.4	24	3	..	7·7	4·8	..	0	4	0	1	0	0	0	0	0	0	0
Banda	32.9	..	38.4	18	15.6	..	10.6	4	0	5.2	..	2.7	19	2	..	5·5	3.0	..	0	2	0	0	0	0	2	0	0	0	0
Allahabad (Bamhrauli).	33.0	−0.2	37.6	18	15.5	−0.6	10.6	4	4.6	21.2	+7.0	15.6	19	2	+0.7	7·0	4·1	−2.0	0	3	0	0	5	0	1	0	0	3	0
Varanasi (Babatpur).	32.4	−0.9	36.9	19	14.1	−2.8	9.6	2	5.1	19.9	+6·0	13.4	19	2	+0.6	13.6	8.8	−1.5	0	3	0	0	5	0	0	0	0	0	0
Varanasi	32.4	−0.7	37.6	19	15.2	−1.2	11.5	1	0	23.8	+14.4	19.4	19	2	+1.1	7·8	6.0	+0.4	0	3	0	0	1	0	0	0	0	0	0
Uttar Pradesh, West																														
Mukhim	16·3	..	21·2	14	6·5	..	0·3	20	56.4	102.8	..	37.4	20	6	..	..	..	..	0	9	3	6	8	3	0	0	0	0	0
Tehri	25·8	..	31·4	18	9·1	..	4·6	3	25.2	53·4	..	34.0	20	4	..	4·5	2·3	..	1	6	0	0	7	2	1	0	0	0	0
Dehra Dun	25.1	−1.2	30.4	18	10.2	−2.1	6.2	1	31.2	103.6	+71·6	38.8	19	6	+3.3	4.4	4.0	+0.6	0	6	0	1	8	0	0	0	0	0	0
Mansiari	13.2	..	18·1	14,18	..	..	..	..	..	176·7	..	68.0	20	12	..	..	..	..	0	15	8	5	0	0	0	0	0	0	0
Roorkee	28.6	−0.2	33.0	17,18	11·6	−1.2	8.7	1	26.9	15.5	−4·3	7.1	31	2	+0.4	8.5	5·0	+1.0	0	4	0	0	3	0	0	0	0	0	0
Najibabad	28.9	..	34.4	18	11.0	..	4.9	1	13.6	16.8	..	11.6	20	2	..	12.0	7·4	..	0	3	0	1	7	0	0	0	0	0	0
Meerut	29.7	−0.2	35.0	17	12.2	−1.8	7.9	1,2	..	2.0	−13·2	2.0	20	0	−1.4	..	7·2	..	0	1	0	0	1	0	0	0	0	0	0
Bareilly	30.3	−0·3	36.3	18	14.1	−0.7	10.4	4	4.4	103.0	+87·5	96.0	20	2	+0.7	12.2	7·6	+3.6	0	4	0	2	3	2	0	0	0	0	0
Aligarh	..	..	..	..	13.4	−1.3	9.0	1	3.2	0.6	−13·9	0.6	23	0	−1.3	11.1	7·4	+0.5	0	1	0	0	0	0	0	0	0	0	0
Mainpuri	32.3	+0.1	37.6	18	..	..	..	..	0	3.1	−5.5	2.2	23	0	−0.8	6.6	3.2	−0.7	0	2	0	0	3	0	0	0	0	0	0
Agra	31.7	+0.1	37.5	18	14.9	+0.3	9.3	4	0	0	−8.1	0	..	0	−0.8	7.4	5.2	−0·8	0	0	0	0	0	0	0	0	0	0	0
Agra (Aerodrame).	31.7	..	37.1	18	13.1	..	7·8	1,4	0	10.9	..	5.1	27	2	..	14.5	11.4	..	0	3	0	0	6	1	0	0	0	0	0
Orai	32.6	..	37.8	18	15.4	..	10.4	4	2.0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Jhansi	32.9	−0.7	37.4	18	14.9	−1.8	10.5	4	2.7	2.7	−5.7	2.7	29	1	+0.2	4.9	5·1	0	0	1	0	0	0	0	0	0	0	0	0
Punjab (Including Delhi)																														
Pathankot	26.2	−0.9	31.8	17	10.5	−3.0	7.0	3	35.5	35.2	−20.2	9.9	31	5	+1.1	..	..	..	0	5	0	1	10	0	1	0	0	0	0
Bhuntar	20.9	..	27.2	14	5.6	..	1.6	3	49.1	129.1	..	44.7	19	5	..	7.8	6.2	..	0	10	0	1	8	0	0	0	0	0	0
Amritsar (Rajasansi)	27.9	+0.6	32.6	18	10.0	−1.4	4.8	3	8.2	19.5	−6.9	16.6	31	2	−0.2	12.2	8.8	−0.4	1	2	0	1	4	0	0	0	0	1	0
Adampur (Aerodrome)	27.5	..	32.5	18	9.4	..	4.1	1	47.2	52.0	..	23.9	20	5	..	..	..	..	0	7	0	3	7	0	0	0	0	0	0
Ludhiana	29.1	+0.7	33.8	17	12.0	−1.5	7.2	1	19.4	15.8	−8·1	9.4	31	2	+0.2	7.3	5·7	+2.5	0	4	0	0	7	0	0	0	0	0	0
Ferozepur	27.7	..	34.0	18	11.7	..	6.7	4	1.0	5.0	..	3.0	19	1	..	6.3	4.0	..	0	3	0	0	1	0	3	0	0	0	0
Halwara (Aerodrome).	27.2	..	31.7	17	9.7	..	3.9	3	3.3	6.8	...	6.8	31	1	..	..	..	..	0	1	0	0	5	0	0	0	0	0	0
Chandigarh	27.2	−1.4	32.5	18	15.1	+0.8	10.2	1	51.6	76.8	+50.6	58.8	20	4	+1.0	..	..	..	0	4	0	0	0	0	0	0	0	0	0
Ambala	27.7	−1.4	32.2	18	12.3	−1.3	7.4	4	54.5	62.9	+39.0	56.6	20	2	+0.2	9.3	8.4	+2·4	0	3	0	0	4	0	0	0	0	0	0
Ambala (Aerodrome).	27.7	..	32.8	17	11.7	..	6.2	3	33.6	37.4	..	30.5	20	2	..	..	..	..	0	4	0	0	5	0	0	0	0	0	0
Patiala	28.9	..	33.6	17	12.7	..	7.2	4	21.0	10.0	−6.8	4.0	19, 23	2	+0.3	11.6	9.3	..	0	3	0	2	4	0	0	0	0	0	0
Bhatinda	..	..	36.4	17,18	10.8	..	4.9	3	0.4	0.8	..	0.4	23	0	..	7.6	5.4	..	0	2	0	0	2	0	0	0	0	0	0
Karnal	28.1	..	33.5	17	..	..	..	..	4.0	4.0	..	4.0	19	1	..	..	..	..	0	1	0	0	1	0	0	0	0	0	0
Hissar	30.6	−0.4	37.7	17	12.9	−0.9	8.1	1	10.0	21.0	+4.7	7.2	31	4	+2.5	8.1	6·1	−0.8	0	5	0	0	3	0	0	0	0	0	0
New Delhi (Safdarjung)	29.5	−1.1	35.0	17	14.0	−0.8	9.1	1	0.3	1.6	−11.3	0.8	23	0	−1.3	15.5	9.8	−1.6	1	3	0	0	2	1	1	0	0	2	0
Palam (Aerodrom). (e)	29.8	..	35.5	17,18	12.7	..	6.7	3	0	0.7	..	0.7	29	0	..	..	..	..	0	1	0	0	5	0	0	0	0	0	0
Himachal Pradesh																														
Mandi	24·8	−0·3	30·1	18	..	..	..	..	19.0	73.2	+0.7	39.4	20	5	−0·3	3·1	2.6	−0.6	1	6	0	0	2	0	0	0	0	0	0
Bilaspur	25·8	..	30·4	18	8·3	..	4·9	1	24.0	73.0	..	44.0	19	5	..	7·1	5·0	..	0	5	0	0	1	1	0	0	0	0	0
Jammu and Kashmir																														
Misgar (R)																														
Gilgit (R)																														
Skardu (R)																														
Dras*																														
Sonamerg	..	..	..	..	..	..	..	..	..	15·3	−325·3	8.0	18	1	−11.8	..	..	..	0	8	7	..	..	..	..	..	..	..	..
Leh	6·2	−0·6	12·1	17	−6·9	−0·8	−13·0	4	0	0	−7·1	0	..	0	−0·9	5·5	5·8	+2.6	0	0	2	0	0	0	0	0	0	0	0
Srinagar	13·0	−0·8	17·9	15	3·2	+0·4	−6·9	3	21·8	63·9	−27·8	13.3	19	8	+0·6	7·3	6.0	+0.9	0	15	0	1	1	0	0	0	0	0	0
Srinagar (Aerodrome).	12·3	..	16·9	15	2·7	..	−1·1	3	19·1	61·6	..	14.2	19	7	..	..	..	..	0	10	0	1	5	0	0	0	0	0	0

(R) Register not received.

*Data not reliable.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28	29
Jammu and Kashmir—*Contd.*																													
Gulmarg	Closed during winter months																												
Qazigund	12·8	..	18·4	15	2·0	..	1·5	4	62·7	162·4	..	60·9	18	6	..	3·1	2·5	..	0	14	1	0	7	0	0	0	0	0	0
Banihal	15·1	..	21·6	16	3·7	..	0·3	10	80·8	161·0	..	39·8	18	10	..	..	..	..	0	14	1	2	5	0	0	0	0	0	0
Jammu	27·4	+1·3	31·4	30	12·1	−3·1	7·2	2	24·0	38·7	−17.7	14·4	31	4	+0·3	7·3	7·7	..	0	5	0	0	0	0	0	0	0	0	0
Jammu (Aerodrome).	26·3	..	31·1	17	13·3	..	7·8	3	32·5	45·6	..	17·0	19	4	..	..	..	..	0	4	0	0	8	0	1	0	0	0	0
Rajasthan West																													
Ganganagar	30·8	+0·5	37·0	16	11·7	−2·5	6·4	3	2·4	4·3	17·0	1·6	19, 23	0	−1·6	6·0	3·8	−1·3	0	4	0	0	3	0	2	0	0	0	0
Anupgarh (R)																													
Mahajan	31·8	..	37·5	16	..	..	..	..	5·1	5·1	..	5·1	8	1	..	9·6	7·4	..	0	1	0	0	0	0	2	0	0	0	0
Churu	31·1	..	36·8	16	13·1	..	7·1	3	0·3	3·1	..	2·8	31	1	..	12·9	8·2	..	0	2	0	0	3	0	1	0	0	0	0
Bikaner	32·2	+0.3	36·5	16	13·7	−0·9	8·1	2	0	2·4	−3·4	1·8	19	0	−0·6	10·0	7·0	+0·2	0	2	0	0	3	0	0	0	0	0	0
Nagaur	32·0	..	36·4	17	14·2	..	8·1	3	23·0	1·4	..	1·4	22	0	..	10·0	8·3	..	0	1	0	1	0	2	0	0	0	0	0
Phalodi	32·5	..	37·0	16	15·0	..	11·2	2	0	1·0	−2·6	1·0	31	0	−0·3	15·5	11.4	..	0	1	0	0	1	0	4	0	0	0	0
Jaisalmer	32·9	..	36·5	15,16	15·3	..	8·7	20	0	0	..	0	..	0	..	15·6	10·1	..	0	0	0	0	0	0	0	0	0	0	0
Jodhpur	33·0	+0·5	37·6	16	16·7	+0·3	12·2	8	12·5	18·0	+15·2	10·0	22	2	+1·8	10·0	8·4	−2·7*	0	4	0	1	5	0	1	0	0	0	0
Barmer	34·0	+1·7	37·6	15	17·6	−0·3	12·0	20	0	3.5	−2·8	3·5	22	1	+0·4	7·8	7·0	−2·3	0	1	0	0	3	0	0	0	0	0	0
Erinpura (Jawai Dam)	38·0 (c)	..	37·5	17	16·3	..	10·1	2	0	0	..	0	..	0	..	5·9	4·4	..	0	0	0	0	0	0	0	0	0	0	0
Munabao	38·9	..	49·4	1	..	..	..	..	0	0	..	0	..	0	..	11·8	7·0 (d)	..	0	0	0	0	0	0	0	0	0	0	0
Rajasthan East																													
Pilani	30·5	..	36·0	17	12·3	..	6·0	2	3·2	6·4	..	4·4	31	1	..	13·7	9·7	..	0	2	0	0	0	0	0	0	0	0	0
Sikar	30·2	..	35·2	16	12·1	..	5·4	3	2·7	2·7	..	2·7	23	11	..	4·7	2·9	..	0	1	0	0	0	0	2	0	0	0	0
Alwar	31·0	..	36·3	17	15·0	..	10·2	4	0	1·8	..	1·8	27	0	..	4·6	2 7	..	0	1	0	0	1	0	1	0	0	0	0
Jaipur(Sanganer)	30·3	−0·7	34·7	16	14.6	−0·1	10·0	24	0·9	8·0	−0·6	5·4	31	1	+0·1	..	..	..	0	4	0	0	6	0	1	0	0	2	0
Dholpur	32·7	..	39·0	18	13·4	..	8·2	1	0	0·2	..	0·2	29	0	..	10·0	5.9	..	1	0	0	0	2	0	0	0	0	0	0
Ajmer	31·1	+1·2	35·4	16	14·7	−1·0	8·8	3	0	2·0	−3·8	2·0	31	0	−0·7	10·4	7·5	+2·4	0	1	0	0	4	0	0	0	0	0	0
Tonk	32·5	..	37·6	17	16·6	..	9·0	4	0·5	1·1	..	1·1	29	0	..	9·5	7·2	..	0	1	0	0	0	0	0	0	0	0	0
Bhilwara	32·4	..	36·5	17	14·5	..	9·0	4	0	0	..	0	..	0	..	10·0	7·1	..	0	0	0	0	0	0	0	0	0	0	0
Kota (Aerodrome)	33·3	−0·4	37 6	17	19·7	+1·3	12.2	3	4·1	4·1	−0·2	4.1	30	1	+0·5	7·0	4·5	+1·1	0	1	0	1	1	0	1	0	0	0	0
Kota	33·2	..	37·9	18	17·2	..	12·1	4	0·1	2·9	..	2·9	30	1	..	12·3	9·1	..	0	1	0	0	3	0	0	0	0	0	0
Chambal (Rawat Bhatta Dam)	34·6	..	37·1	17	16·7	..	10·8	3	0	0·2	..	0·2	30	0	..	9·8	6·4	..	1	0	0	0	1	0	0	0	0	0	0
Udaipur	32·9	..	35·9	17	13·8	−2·0	8·4	20	0	0·3	−2·2	0·3	31	0	−0·3	6·6	3·3	..	0	1	0	0	2	0	0	0	0	0	0
Jhalawar	31·4	−0·3	37·5	17	16·0	+0·1	9·7	3	0	0	−3·6	0	..	0	−0·6	9·5	6·0	+1·2	0	0	0	0	0	0	0	0	0	0	0
Banswara	33·5	+0·5	38·8	17	14·0	..	7·4	20	0	0	..	0	..	0	..	10·2	5·5	..	0	0	0	0	0	0	0	0	0	0	0
Madhya Pradesh (West)																													
Gwalior	32·3	−1·1	37·9	18	14·1	−1·8	8·8	3	1·2	5·5	+0·2	2·0	31	0	−1·0	13·1	7·9	..	0	3	0	0	4	0	1	0	0	0	0
Sheopur	32·9	−1·3	36·4	18,28	14·2	−1·8	9·1	3	1·0	1·0	−7·8	1·0	30	0	−1.1	11·4	7·6	+1.2	0	1	0	0	2	0	2	0	0	0	0
Shivpuri	31·2	..	36·0	18	11·4	..	5·0	3	0	7·0	..	5·6	29	1	..	7·4	6·4	..	0	3	0	0	0	0	0	0	0	0	0
Nawgong	33·0	−0·2	38·2	18	13·4	−1·9	8·6	4	1·0	3·4	−4.2	1·6	19	0	−0·8	8·5	4·8	+1·7	0	4	0	0	5	0	0	0	0	0	0
Guna	32·3	−0·1	36·8	18	13·7	−0·6	7·3	3	1·5	1·6	−11·1	1·4	30	0	−0·9	14·1	8·2	..	2	1	0	1	4	0	0	0	0	0	0
Nimach	32·1	−0.5	36·7	18	16·4	+0·2	12·0	3	0	3·7	+0·6	3·7	30	1	+0·7	13·4	9·1	+0·9	0	1	0	0	1	0	0	0	0	0	0
Ratgarh	33·8	..	40·1	7	15·2	..	8·5	3	0	0·4	..	0·3	29	0	..	12·0	8·5	..	1	1	0	0	0	0	0	0	0	0	0
Sagar	32·2	−0·5	35·5	17,18	17·0	−1·1	13·3	9	1·0	3·0	−5·4	2·0	7	0	−0·9	11·0	9·5	..	0	2	0	0	1	0	0	0	0	6	0
Rajlam	33·4	−0·7	37·8	17	16·2	−1·9	10·7	3	0	0	−2·2	0	..	0	−0·2	12·9	9·8	+2·0	0	0	0	0	0	0	0	0	0	0	0
Bhopal (Bairagarh).	32·9	−0·2	36·8	18	16·4	−0·2	11·9	20	0·2	0·3	−8·3	0·2	27	0	−0·8	15·5	11·5	+1·7	2	0	0	0	1	0	0	0	0	1	0
Ujjain	33·2	..	37·1	17	13·4	..	6·4	3	0	0	..	0	..	0	..	14·4	9·3	..	0	0	0	0	1	0	0	0	0	0	0
Narsinghpur	34·0	..	37·0	16,17, 118	13·6	..	6·2	4	3·0	13·0	..	8·0	19	2	..	..	..	..	0	4	0	0	0	0	0	0	0	0	0
Hoshangabad	34·0	+0·6	39·3	7	18·0	−0·2	9·4	4	2·8	2·8	−3·3	2·0	19	0	−0·6	7·8	6·0	+2·5	0	2	0	0	2	0	0	0	0	0	0
Indore	32·9	−1·2	[illegible]	28	15·8	+0·6	10·8	20	0	0	−2·0	0	..	0	−0·3	17·2	13·3	..	0	0	0	0	1	0	0	0	0	0	0
Rajpur (Jhabua)	34·3	..	37·8	13	16·4	..	9·4	3	0	0	..	0	..	0	..	10·1	6·4	..	0	0	0	0	0	0	0	0	0	0	0
Chhindwara	31·9	−1 0	35·1	29	16·0	−1·0	9·3	4	17·1	29·5	+17·2	9·8	2	4	+2·3	8·3	4·8	−1·0	2	5	0	1	10	0	0	0	0	0	0
Seoni	32·4	−0·9	37·3	28	16·6	−0·5	11·8	4	15·4	44·6	+24·5	18·2	2	5	+3·0	10·2	6·5	+1·8	0	7	0	0	5	0	0	0	0	0	0
Betul	32·8	−0·7	36·1	28	16·1	−0·3	8·3	4	6·4	9·2	−6.5	4·8	19	1	−0·6	7·9	4·3	−1·3	0	4	0	0	4	0	1	0	0	0	0
Khandwa	35·8	−0·5	38·8	17,28	17·8	−0·3	10·1	3	0	0	−4·3	0	..	0	−0·5	12·2	8·1	+1·5	0	0	0	0	2	0	0	0	0	0	0
Madhya Pradesh East																													
Satna	32·5	0	36·8	18	15·0	−1·3	10·1	4	11·0	22·7	+11·3	19·2	19	2	+0·9	8·4	5·3	+0·3	1	4	0	0	7	0	0	0	0	0	0

(R) Register not received. (c) Mean of 28 days. (d) Mean of 27 days. *Departure indicated relates to 1940 normal accepted provisionally.

TABLE II—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER—MARCH 1965 (PHALGUNA 10, 1886—CHAITRA 10, 1887 SAKA)

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2 mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Madhya Pradesh (East)—(*Contd.*)																														
Rewa	32·2	..	36·4	18	15·3	..	10·6	1	4·8	31·6	..	26·1	19	2	..	6·9	4·1	..	1	3	0	1	0	0	0	0	0	0	0
Sidhi	33·4	..	36·4	17	13·8	..	8·0	4,5	14·3	23·1	..	21·0	19	1	..	..	..	..	0	2	0	0	0	0	0	0	0	0	0
Umaria	32·8	+0·4	36·8	28	14·3	—0·9	8·9	4	0	5·5	—12·3	1·7	19	0	—1·7	9·4	5·5	+0·8	0	3	0	0	1	0	0	0	0	0	0
Jabalpur	33·3	+0·2	37·1	18	15·3	+0·4	8·8	4	17·1	12·3	—1·9	4·5	31	2	+0·6	8·3	5·0	+1·8	0	5	0	2	9	0	0	0	0	0	0
Ambikapur	30·8	—1·0	35·3	29	14·5	—0·5	9·7	4	3·7	20·2	—0·3	8·6	30	4	+1·7	..	..	..	0	6	0	0	5	0	1	0	0	0	0
Jashpur Nagar	29·1	..	32·7	28	11·8	..	7·3	5	0	37·3	..	22·0	30	3	..	10·2	5·8	..	0	5	0	1	0	0	0	0	0	0	0
Pendra	30·2	—0·5	35·5	28	16·6	—0·3	12·3	4,5	28·2	38·6	+10·9	12·5	3	4	+1·7	10·6	7·4	..	0	6	0	1	7	0	1	0	0	2	0
Mandla	32·2	—1·5	37·4	28	14·6	+0·5	..	..	11·3	34·5	+6·9	15·0	30	4	+1·9	(i) 7·0	(i) 3·5	+0·5	0	6	0	2	8	0	0	0	0	0	0
Champa	34·3	—1·0	38·8	29	17·7	—2·1	11·5	4	13·0	36·7	+14·0	26·4	31	3	+1·3	7·3	5·7	—0·4	0	4	0	1	6	0	2	0	0	0	0
Raigarh	34·8	—0·9	39·2	29	18·9	—1·3	12·5	4	9·4	57·8	+36·8	32·2	31	4	+1·9	5·9	4·7	—0·1	0	5	0	1	4	0	0	0	0	0	0
Raipur	33·8	—1·3	38·8	29	19·7	—0·3	14·0	4	33·1	64·8	+46·8	32·6	30	3	+1·3	8·7	6·5	—0·3	0	6	0	1	5	0	0	0	0	0	0
Kanker	34·1	—0·1	38·8	7	19·8	+1·2	14·2	4	9·2	19·0	—2·6	10·4	31	2	—0·1	7·5	5·8	+0·7	0	3	0	0	4	0	0	0	0	0	0
Jagdalpur	34·3	—0·3	36·4	28,29	18·9	+0·6	14·5	6	4·6	23·8	+10·3	12·0	31	3	+1·8	7·1	4·4	..	0	3	0	0	6	0	0	0	0	1	0
Gujarat Region (including Daman Dadra and Nagar Haveli)																														
Deesa	34·4	..	37·8	29	..	..	..	..	0	0	..	0	..	0	..	11·1	8·4	..	0	0	0	0	0	0	0	0	0	0	0
Radhanpur	34·5	..	38·1	16	15·7	..	9·2	20	0	0	..	0	..	0	..	10·0	6·8	..	0	0	0	0	0	0	0	0	0	0	0
Idar	34·4	..	38·5	17	18·7	..	13·1	8	0	3·4	..	3·4	31	1	..	11·2	8·2	..	0	1	0	0	1	0	0	0	0	0	0
Ahmadabad	35·4	—0·7	39·4	16	17·7	—0·3	11·5	20	0	0	—1·3	0	..	0	—0·2	9·7	5·9	—1·7	0	0	0	0	0	0	0	0	0	0	0
Dohad	34·1	—1·0	38·2	17	17·5	—1·5	11·3	21	0	0	—1·6	0	..	0	—0·1	12·6	13·5	+0·4	0	0	0	0	1	0	0	0	0	0	0
Vallabh Vidya Nagar	35·6	..	40·0	16	15·8	..	10·3	3,9	0	0	..	0	..	0	..	10·9	7·7	..	0	0	0	0	0	0	0	0	0	0	0
Baroda	35·8	..	39·8	16	16·5	..	12·3	3	0	0	..	0	..	0	..	9·9	6·8	..	0	0	0	0	1	0	0	0	0	0	0
Aerodrome Baroda	36·8	+0·1	41·4	16	17·7	+1·0	13·3	3	0	0	—0·9	0	..	0	—0·1	2·9	1·6	—2·4	0	0	0	0	0	0	0	0	0	0	0
Broach	38·3	+0·7	40·9	15	18·4	—1·4	14·3	3	0	0	—1·6	0	..	0	—0·1	4·4	3·2	—3·5	0	0	0	0	0	0	0	0	0	0	0
Surat	35·6	0	39·4	14	19·9	+0·5	16·4	3	0	0	—0·3	0	..	0	—0·1	11·5	8·4	+3·1	0	0	0	0	0	0	0	0	0	0	0
Saurashtra and Kutch (including Diu)																														
Naliya	31·9	..	36·8	15	15·1	..	10·5	5	0	0	..	0	..	0	..	16·8	11·3	..	0	0	0	0	0	2	0	0	0	0	0
Bhuj (Rudramata)	34·4	+0·6	37·5	29	17·4	—0·5	12·0	20	5·7	0·1	—2·7	0·1	29	0	—0·2	14·1	11·9	+2·2	1	0	0	0	1	0	0	0	0	0	0
Kandla Aerodrome	34·5	..	38·5	28	17·9	..	12·2	20	0	0	..	0	..	0	..	22·1	20·2	..	0	0	0	0	2	0	0	0	0	0	0
New Kandla	31·7	..	35·3	15,30	19·6	..	15·7	20	0	0	..	0	..	0	..	18·2	17·4	..	0	0	0	0	0	0	0	0	0	0	0
Mandvi	28·9	—0·9	34·4	12,14	18·9	+0·3	13·1	3	0	0	—0·7	0	..	0	—0·2	23·5	21·2	+0·9	0	0	0	0	0	5	0	0	0	0	0
Surendranagar	35·1	—1·1	31·0	21	19·0	—0·9	14·6	20	0	0	0	0	..	0	0	(a) 12·8	(b) 11·5	—0·9	0	0	0	0	0	0	0	0	0	0	0
Okha	27·5	..	31·6	11	21·9	..	19·6	3	0	0	..	0	..	0	..	19·0	20·8	..	0	0	0	0	0	0	0	0	0	0	0
Jamnagar (Aerodrome)	32·3	—0·9	35·8	15	16·3	—0·6	11·5	3	0	0	—2·0	0	..	0	—0·1	..	..	..	0	0	0	0	0	2	0	0	0	0	0
Dwarka	28·4	+0·5	34·1	11,12	21·8	+0·4	18·6	5	0	0	—2·8	0	..	0	—0·2	16·8	16·6	+1·5	0	0	0	0	0	0	1	0	0	0	0
Rajkot	34·3	—1·4	37·6	16	16·5	—0.9	10·8	3	0	0	—1·3	0	..	0	—0·2	21·7	16·7	+0·1	0	0	0	0	1	2	0	0	0	0	0
Bhaunagar Aerodrome	34·4	+0·1	38·7	29	18·9	—0·4	12·2	3	0	0	—2.8	0	..	0	—0·2	22·2	18·1	+4·2	0	0	0	0	0	0	0	0	1	1	0
Porbander Aerodrome	31·8	+0·3	37·4	15	18·9	—1·6	13·7	5	0	0	0	0	..	0	0	19·8	14·7	..	0	0	0	0	0	1	0	0	0	0	0
Keshod	34·4	..	38·2	15	17·1	..	14·0	3,20	0	0	..	0	..	0	..	21·5	16·9	..	0	0	0	0	0	0	0	0	0	0	0
Mahuva	35·1	..	38·6	15,16	18·3	..	12·4	24	0	0	..	0	..	0	..	(a) 12·2	10·0	..	0	0	0	0	0	0	0	0	0	0	0
Veraval	31·5	..	37·8	15	18·8	..	14·9	3	0	0	—1·3	0	..	0	—0·1	23·3	19·2	..	0	0	0	0	0	2	0	0	0	0	0
Konkan (including Goa)																														
Dahanu	29·5	—0·7	32·6	13,15	20·4	—0·2	17·0	21	0	0	—0·1	0	..	0	0	(a) 19·5	13·6	0	0	0	0	0	0	0	0	0	0	0	0
Bombay (Santa-Cruz).	31·7	+0·5	36·4	4	19·5	+0·6	17·0	1,21	0	0	—1·3	0	..	0	0	14·1	8·1	..	0	0	0	0	0	0	0	0	0	0	0
Bombay	29·8	—0·3	33·4	4	22·2	0	20·3	21	0	0	—1·3	0	..	0	—0·1	13·5	10·3	—1·3	0	0	0	0	0	0	0	0	0	0	0
Alibag	29·2	—0·5	32·6	14	20·5	—0·3	18·0	21	0	0	—0·5	0	..	0	—0·1	..	10·3	+0·6	0	0	0	0	0	0	0	0	0	0	0
Bhira	38·2	..	41·5	28	17·1	..	13·6	21	0	0	..	0	..	0	..	5·8	2·9	..	0	0	0	0	0	0	0	0	0	0	0
Harnai	28·0	—1·0	30·2	5	23·1	—0·9	20·1	21	0	0	0	0	..	0	0	20·3	16·7	+1·2	0	0	0	0	0	0	0	0	0	0	0
Ratnagiri	30·5	..	32·4	4	20·4	..	18·4	3,4,21	0	0	—0·8	0	..	0	—0·1	13·1	7·9	..	0	0	0	0	0	0	0	0	0	0	0
Devgarh	30·0	—0·9	31·7	17	23·0	—0·9	20·8	21	0	0	—1·1	0	..	0	—0·1	20·9	16·3	+1·3	0	0	0	0	0	0	0	0	0	0	0
Vengurla	31·0	—1·1	33·4	31	20·8	—0·9	17·9	20	0	0	0	0	..	0	0	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Panjim	31·2	..	32·7	18	22·4	..	19·7	21	0	0	..	0	..	0	..	13·6	10·4	..	0	0	0	0	0	0	0	0	0	0	0
Mormugao	29·7	..	30·8	15	23·4	..	21·3	21	0	0	..	0	..	0	..	16·1	14·3	..	0	0	0	0	0	0	0	0	0	0	0
Dabolim (Naval Air Station)	30·5	..	32·3	18	23·1	..	21·1	21	0	0	..	0	..	0	..	12·3	9·4	..	0	0	0	0	0	0	0	0	0	0	0
Madhya Maharashtra																														
Nandurbar	36·4	..	39·8	16	20·2	..	15·2	21	0	0	..	0	..	0	..	6·5	4·7	..	0	0	0	0	0	0	0	0	0	0	0
Jalgaon	37·1	—0·6	40·7	28	18·4	—0·4	12·4	3	0	3·3	—0·3	3·3	6	1	+0·6	14·8	12·6	+2·9	0	1	0	0	1	0	0	0	0	0	0
Malegaon	36·0	—0·4	40·4	12	15·9	—1·2	11·2	3	0	0	—2·0	0	..	0	—0·3	11·8	8·4	+0·2	0	0	0	0	0	0	0	0	0	0	0

(b) Mean or Total for 29 days. (a) Mean of 30 days. (i) Mean of 22 days.

TABLE II—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER—MARCH, 1965 (PHALGUNA 10, 1886 CHAITRA 10, 1887 SAKA)

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2 mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Madhya Maharashtra—(*Contd.*)																														
Ozar	34.7	..	37.5	28	15.9	..	11.0	21	(d) 0	(b) 0	..	..	..	..	..	(c) 14.7	(g) 12.8	..	..	..	0	0	0	0	0	0	0	0	0
Deolali (Aerodrome)	34·9	..	37·8	28	15·4	..	10·8	21	0	0	..	0	..	0	..	11·9	8·1	..	0	0	0	0	0	0	0	0	0	0	0
Ahmadnagar	36·0	+0·8	38·8	28	17.6	+0.3	14.0	22	0	0	—5·3	0	..	0	—0·3	10·8	8·0	—0·5	0	0	0	0	0	0	0	0	0	0	0
Khandala	..	..	..	..	..	..	..	..	..	0	0	0	..	0	0	..	..	..	0	0	..	..	..	..	..	..	..	..	..
Poona (Aerodrome)	34·8	..	38·3	28	16·9	..	11·8	0,21	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Poona	35·0	—0·6	38·2	28	15·2	—0·2	10·2	20	0	0	—1.5	0	..	0	—0·2	8·5	5·6	..	0	0	0	0	0	0	0	0	0	0	0
Jeur	36·9	0	39·5	29	17.9	—0·5	11·7	25	0	0	—2·0	0	..	0	—0·3	10.1	8·1	+0·2	0	0	0	0	0	0	0	0	0	0	0
Baramati	35·9	—0·6	39·1	28	17·7	—0·8	11·1	20	0	0	—2·6	0	..	0	—0·5	9·6	8·9	+0.1	0	0	0	0	0	0	0	0	0	0	0
Sholapur	36·3	—1·0	38·2	28	21·5	+0·8	17·0	20,21	0	0	—5·8	0	..	0	—0·5	10·0	8·1	—1·1	0	0	0	0	0	0	0	0	0	0	0
Miraj	35·7	+0·4	38·0	28,29	17·8	—0·3	12·3	21	0	0	—3·8	0	..	0	—0·7	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Kolhapur	36·0	+0·1	39·2	28	18·4	—0·5	13·6	20,21	0	0	—9·7	0	..	0	—0·7	11·5	10·3	—0·3	0	0	0	0	0	0	0	0	0	0	0
Marathwada																														
Aurangabad	35·5	0	38·6	28	19·8	+0·4	14·8	22	0	1.4	—3·7	1·4	6	0	—0·5	11·8	11·3	+1·3	0	1	0	0	0	0	0	0	0	0	0
Aurangabad (Chikalthan)	35·1	..	38·3	28	17·7	..	13·2	8	0	0·2	..	0·2	5	0	..	11·6	9·0	..	1	0	0	0	0	0	0	0	0	0	0
Parbhani	36·5	—0·4	39·4	28	20·3	+0·2	16·2	21	0	0	—7·2	0	..	0	—0.6	9.5	6·5	—1·2	0	0	0	0	0	0	0	0	0	0	0
Nander	37·3	..	39·6	28	20·6	..	14·0	21	0	0	..	0	..	0	..	11·0	5·6	..	0	0	0	0	0	0	0	0	0	0	0
Bir	36·3	..	38·9	27,28	17·9	..	12·5	20,21	0	0	..	0	..	0	..	8·2	4·9	..	0	0	0	0	0	0	0	0	0	0	0
Vidarbha																														
Gondia	34·1	—0·8	38·8	28	19·0	—0·4	12.5	4	24·1	33.6	+16·2	18.5	30	2	0	6·7	4·0	—0·2	0	6	0	0	2	0	0	0	0	0	0
Nagpur (Sonegaon)	35·4	—1·1	39·4	28	18·4	—0·8	11·2	4	0	2·7	—12·5	2·5	2	1	—0·5	12·9	10·3	..	1	1	0	0	3	0	0	0	0	2	0
Amraoti	36·3	—0·1	39·9	28	20·9	+0·1	15·6	31	1·4	2·8	—6·1	1·4	11	0	—0·8	14·6	11·2	+4·4	0	3	0	0	0	0	0	0	0	0	0
Akola Aerodrome	36·7	..	40·0	28	18·7	..	13·6	21	0	0	..	0	..	0	..	10·9	9·7	..	0	0	0	0	0	0	0	0	0	0	0
Akola	36·7	—0·4	39·4	17	19·7	+0·8	13·8	3	0	0·1	—9·0	0.1	6	0	—0·7	9·5	6·7	+0·9	1	0	0	0	1	0	0	0	0	0	0
Bramhapuri	35·5	..	39·6	28	..	..	..	..	0	3·0	..	3·0	2	1	..	8·9	5·1	..	0	1	0	0	0	0	0	0	0	0	0
Buldana	32·3	—1·9	36·6	28	19·5	—2·1	16·8	21	0	1·0	—5·3	1·0	6	0	—0·7	10·5	9·4	+0·3	0	1	0	0	1	0	0	0	0	0	0
Yeotmal	35·8	—0·3	39·8	28	21·1	—0·3	17·1	21	0	5.4	—13·8	5·4	15	1	—0·7	14·5	11·0	+0·7	0	1	0	1	0	0	0	0	0	0	0
Chanda	36·7	—0·4	40·2	30	20·8	+1·4	14·1	4	0	0	—19·6	0	..	0	—1·2	8·7	5·6	+1·7	0	0	0	0	1	0	0	0	0	0	0
Pusad	37.0	..	40.4	28	19.3	..	11.8	9	3.2	3.2	..	3·2	15	1	..	10.8	6.7	..	0	1	0	0	0	0	0	0	0	0	0
Sironcha	36·6	—0·8	39·8	29	21·9	—0·3	17·7	25	0	14.2	—2·4	14·2	31	1	—0·1	9·5	5·6	+0·1	0	1	0	0	0	0	0	0	0	0	0
Coastal Andhra Pradesh																														
Kalingapatnam	31·8	—0·8	33·8	5	21·8	—0·9	19·3	8	9.4	0	—11·2	0	..	0	—0·6	15·8	9·5	—0·6	0	0	0	0	1	0	0	0	0	0	0
Vishakhapatnam	33·9	—0·4	36·1	12	22·0	—0.7	17·9	4	0	0	—11·9	0	..	0	—0·8	..	..	..	0	0	0	0	4	0	0	0	0	0	0
Kakinada	33·4	+0·2	35·4	30	21·5	—1·6	19·6	5 days	0	0	—12·2	0	..	0	—0·7	11·5	8·3	+1·1	0	0	0	0	0	0	0	0	0	0	0
Nidadavole	33·5	..	35·6	25	21·6	..	19·0	4,8,13	0	0	..	0	..	0	..	5·7	4·8	..	0	0	0	0	1	0	0	0	0	0	0
Rentachintala	37·4	0	40·6	29	23·4	—0·8	21·0	5,19	0	0	—2·3	0	..	0	—0·3	8·2	7·7	—1·6	0	0	0	0	0	0	0	0	0	0	0
Gannavaram	34·7	—1·1	38·6	24	22·0	—0·3	18·9	12	10.9	4·5	—7·5	4·5	25	1	+0·5	16·2	10·8	+0·1	0	1	0	0	1	0	0	0	0	0	0
Nagarjunakonda (R)																														
Masulipatam	31·0	—1·5	35·0	24	20·8	—1·6	18.6	12,16	0	0	—10·7	0	..	0	—0·5	4·9	2·9	—4·0	0	0	0	0	1	0	0	0	0	0	0
Ongole	34·0	..	39·4	24	23·6	..	20·3	10	0	0	..	0	..	0	..	12·7	9·0	..	0	0	0	0	0	0	0	0	0	0	0
Nellore	34·6	0	39·1	24	23·0	+0·3	20·3	9	0	0	—4·3	0	..	0	—0·3	13·3	(b) 9·0	+2·1	0	0	0	0	2	0	0	0	0	0	0
Telangana																														
Ramagundam	36·5	—0·9	39·4	29,30	..	..	..	..	0	0	—10 8	0	..	0	—0·9	6·4	4·7	—2·3	0	0	0	0	0	0	0	0	0	0	0
Nizamabad	37·2	+0·4	39·9	29	21·5	+1·0	16·5	22	0	0	—10·2	0	..	0	—0·8	8·4	5·9	+1·6	0	0	0	0	0	0	0	0	0	0	0
Hanamkonda	35·9	+0·3	39·1	29	21·1	—0·7	18·8	31	5·8	19·2	+7·5	13·4	31	2	+1·2	10·3	10·9	+2·5	0	2	0	0	2	0	0	0	0	0	0
Hakimpet (Aerodrome)	34·2	..	36·7	29	20·6	..	18·4	2	0	2.0	..	2·0	31	0	..	..	..	..	0	1	0	0	3	0	0	0	0	0	0
Bhadrachalam	36·9	—0·3	39·0	28	22·8	0	18·8	4	15·0	0	—8·3	0	..	0	—0·8	7·6	7·9	—0·4	0	0	0	0	0	0	0	0	0	0	0
Hyderabad (Begampet)	35·1	0	37·2	29	19·0	—0·6	15.3	22	0	3·9	—7·8	2·1	31	0	—0·9	12·8	9·6	+1·2	0	2	0	0	2	0	0	0	0	0	0
Khammam	36·3	..	38·9	29	22·9	..	20·3	13	28·0	4·4	..	4·4	31	1	..	7·6	7·3	..	0	1	0	0	2	0	1	0	0	0	0
Mahbubnagar	35·3	..	37·5	28	20·7	..	17·9	21	0	1·2	..	1·2	29	0	..	7·8	7·0	..	0	1	0	0	1	0	0	0	0	0	0
Rayalaseema																														
Kurnool	6·7	—1·1	39·3	28	22·1	—0·1	18·7	10	0	0	—5·3	0	..	0	—0·4	8·9	7·5	+1·2	0	0	0	0	0	0	0	0	0	0	0
Anantapur	6·5	—0·3	38·7	29	21·6	—0·1	18·0	1	0	0	—3·9	0	..	0	—0·3	9·5	10·2	+0·7	0	0	0	0	1	0	0	0	0	0	0
Cuddapah	37·8	—0·5	40·8	29	23·3	—0·5	19·1	7	0	0	—4·6	0	..	0	—0·3	5·2	3·7	—8·5	0	0	0	0	0	0	0	0	0	0	0
Arogyavaram	33·3	..	35·6	29	18·3	..	15·0	8	12·8	12·8	..	12·8	31	1	..	12·7	9·1	..	0	1	0	0	0	0	0	0	0	0	0

(d) Total for 27 days. (R) Register not received. (b) Total for 29 days. (c) Mean of 26 days. (g) Mean of 23 days.

TABLE II—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER—MARCH 1965 (PHALGUNA 10, 1886—CHAITRA 10, 1887 SAKA)

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed. kms. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2 mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Madras State *(including pondicherry)*																													
Madras	31·8	..	34·7	25	23·1	..	20·2	9	2·8	0	..	0	..	0	..	10·7	7·0	..	0	0	0	0	0	0	0	0	0	0	0
Madras (Minambakkam)	33·1	+0·1	36·2	24,25	23·3	+0·9	20·8	9,10	25.6	0	−7·4	0	..	0	−0·4	14·4	9·8	−0·8	0	0	0	0	1	0	0	0	0	0	0
Vellore	34·8	+0·2	38·4	24	21·1	+0·1	17·3	18	6.2	0	−6.9	0	..	0	−0·5	10·3	8·9	+3·9	0	0	0	0	1	0	0	0	0	0	0
Tambaram (Aerodrome)	34·7	..	38·3	24	22·6	..	19·9	10	78.6	0	..	0	..	0	..	..	..	..	0	9	0	0	1	0	0	0	0	0	0
Tiruppattur	34·1	..	36·3	26	18·4	..	13·3	7	0	0	..	0	..	1	..	3·7	4·2	..	0	0	0	0	0	0	0	0	0	0	0
Mettur Dam R.S.	36·3	..	37·9	18	21·7	..	18·0	1	0	20.8	..	20·3	21	1	..	7·0	8·1	..	0	2	0	0	1	0	0	0	0	0	0
Cuddalore	31·2	−0·1	33·1	29	22·7	+0·1	19·0	10	0	0	−17·5	0	..	0	−0·6	14·0	9·7	+3·1	0	0	0	0	0	0	0	0	0	0	0
Kallakkurichchi	35·9	..	38·7	25	22·0	..	18·2	7	0	0	−10·2	0	..	0	−0·5	7·5	5·5	..	0	0	0	0	0	0	0	0	0	0	0
Salem	35·4	−1·3	37·4	25	22·4	+0·5	18·3	6	0	0.2	−12.3	0.2	26	0	−0·9	10·1	10·3	+3·1	1	0	0	0	2	0	0	0	0	0	0
Coimbatore (Pilamedu)	34·5	..	36·1	25	20·2	..	17·0	1	0	0	..	0	..	0	..	14·6	13·7	..	0	0	0	0	4	0	0	0	0	0	0
Coimbatore	34·4	−0.8	36·6	28	20·2	−1·0	17·2	7	..	1.6	−11·1	1.6	5	0	−0·9	..	6·9	+2·9	0	1	0	0	2	0	0	0	0	0	0
Nagappattinam	31·0	−0·2	33·4	23	24·8	+0·2	21·0	10	0	0	−20·1	0	..	0	−1·0	16·5	15·4	+5·3	0	0	0	0	0	0	0	0	0	0	0
Tiruchchirapalli	35·1	−0·7	37·7	31	22·8	+0·5	18·8	7	10·8	0.6	−8·5	0·6	4	0	−0·7	11·8	10·6	+3·0	0	1	0	0	1	0	0	0	0	0	0
Vedaranniyam	33·1	..	36·4	28	23·8	..	20·1	13	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Atirampattinam	32·4	..	33·4	1,3	23·8	..	19·4	10	7·8	8.8	..	7·8	3	1	..	15·2	11·9	..	0	1	0	0	0	0	0	0	0	0	0
Madurai	34·7	−0 5	37·1	23	23·0	+0·5	20·2	7	..	15.2	−2·6	15.2	3	1	0	..	5·1	−0·4	0	1	0	0	2	0	0	0	0	0	0
Madurai (Aerodrome)	35·1	..	37·1	25	22·3	..	18·8	7	0	0	..	0	..	0	..	10·2	8·5	..	0	0	0	0	4	0	0	0	0	0	0
Tondi	30.6	..	32·4	29	24·6	..	21·0	10	0	0	..	0	..	0	..	18·0	17·2	..	0	0	0	0	0	0	0	0	0	0	0
Pamban	31·4	0	33·7	21	24·9	+0·1	21·5	10	32.2	32·2	+13.9	32·2	3	1	−0·4	10·3	12·0	+3·1	0	1	0	0	0	0	0	0	0	0	0
Tuticorin	29·7	0	33·6	24	23·7	−1.2	20·8	8	0	10·7	−18·9	10·7	3	1	−0·3	21·7	17·8	+1·4	0	1	0	0	0	0	0	0	0	0	0
Palayancottai	36·3	+1·3	38·8	24	23·4	−1·0	20·9	8	0	4·6	−24·3	4·2	3	1	−1·0	10.9	7·2	−0·7	0	1	0	0	3	0	0	0	0	0	0
Kanniyakumari	31·9	..	33·2	24,25	24·6	..	22.4	1	0	0	..	0	..	0	..	21·6	16·2	..	0	0	0	0	0	0	0	0	0	0	0
Coastal Mysore																													
Karwar	30·6	−0·3	31.8	15	21·4	−1·1	19·1	1	0	0	−0·3	0	..	0	0	15·8	11·2	..	0	0	0	0	0	0	0	0	0	0	0
Honavar	31·2	−1·0	32·9	18	22·3	−0·6	19·9	3	0	0	−0·3	0	..	0	0	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Mangalore (Bajpe)	32·3	..	34·1	3	23·4	..	20·4	23	0	0	..	0	..	0	..	12·0	6·9	..	0	0	0	0	0	0	0	0	0	0	0
Mangalore	32·2	+0·2	33·3	12	23·9	−0·4	21·0	23	0	0	−5·3	0	..	0	−0·3	11·8	9·2	+1·3	0	0	0	0	0	0	0	0	0	0	0
Interior Mysore, North																													
Bidar	34·6	−0·3	37.0	28	22.1	0	20·5	20	0	0	−11·9	0	..	0	−1.1	14.0	13.0	+3·0	0	0	0	0	0	0	0	0	0	0	0
Gulbarga	36·7	−0·6	38·8	30	21·2	−0·2	17·2	23	0	0	−9·4	0	..	0	−0·8	13·3	9·8	+0·6	0	0	0	0	0	4	0	0	0	0	0
Bijapur	36·5	+0·4	38·7	29	21·2	0	16·4	22	0	0	−5 3	0	..	0	−0·6	7·2	5·7	−0·7	0	0	0	0	0	0	0	0	0	0	0
Raichur	36·7	−0·2	31·5	29	23.1	−0·1	20 2	7	0	0	−3·6	0	..	0	−0·4	11·0	11·5	+2·6	0	0	0	0	0	0	0	0	0	0	0
Belgaum	34·4	−0·9	36·6	28	17·5	−0·6	12·1	22	0	3·6	−6·8	3·6	6	1	+0·1	5·7	3·4	−3·3	0	1	0	0	2	0	0	0	0	0	0
Belgaum (Sambra)	33·9	..	36·2	28	18·2	..	10·2	22	0	0	..	0	..	0	..	10·0	7·5	..	0	0	0	0	2	0	0	0	0	0	0
Gadag	35·8	+0·5	37.6	28	20·6	+0·2	14·9	22	0	1.5	−4·1	1·5	14	0	−0·7	8·5	7·5	−0·4	0	1	0	0	1	0	0	0	0	0	0
Interior Mysore, South																													
Bellary	37·4	−0·1	38·7	26	22·6	+0·2	20·1	22	0	0	−5 3	0	..	0	−0·6	8·7	6·9	+1·6	0	0	0	0	0	0	0	0	0	0	0
Chitradurga	34·5	−0·4	35·6	28	21·2	−0·1	17·3	23	0	0	−4·3	0	..	0	−0·4	7·7	7·5	+1·2	0	0	0	0	0	0	0	0	0	0	0
Shimoga	33·7	−1.6	35·1	6	18·2	−0·9	15·5	23	7·8	11.2	+0·7	7.8	29	2	+1·1	4·4	3·2	−1·7	0	3	0	0	2	19	0	0	0	0	0
Agumbe	29·7	..	31·2	16	16·3	..	11·2	23	..	1.6	..	1.6	28	0	..	..	2·9	..	0	1	0	0	0	0	0	0	0	0	0
Balehonnur	32·1	+1·3	34·0	10	17·0	−0·1	13·7	23	..	50.7	+9·2	36.0	29	2	+0.2	..	..	..	0	3	0	1	5	7	0	0	0	0	0
Hassan	32.9	−0·2	34·5	20	17·1	−0·2	14·3	23	0	0	−9·4	0	..	0	−0·6	7·0	5·7	+0·6	0	10	0	0	0	0	0	0	0	0	0
Bangalore	32·0	−0·4	33·3	25,26	19·0	+0·9	16·3	11	0	0	−10·2	0	..	0	−0·8	12·2	9·3	+2·1	0	1	0	0	1	0	0	0	0	0	0
Bangalore (Aerodrome)	31·9	..	33·7	29	17·4	..	14·6	10	1.2	1.2	..	1.2	27	0	..	..	..	..	0	1	0	0	1	0	0	0	0	0	0
Mysore	33·2	−1·1	34·5	26,27 28	19·3	−0·5	16·1	1	0	1.4	−11.5	1·4	31	0	−0·8	13·2	9·3	+1·9	0	1	0	0	3	0	0	0	0	0	0
Kerala																													
Calicut	32·5	+0·2	33·5	30	24·4	−0·1	23·0	2	0	0	−17·3	0	..	0	−0·8	16.2	13·1	+2·5	0	0	0	0	1	0	0	0	0	0	0
Palghat	36·9	..	39·0	18	23·1	..	20·6	2	0	10·8	..	10·8	30	1	..	12·3	9·1	..	0	1	0	0	3	0	0	0	0	0	0
Fort Cochin	31·6	+0.5	32·7	12,16	24·0	−1·6	22·3	6	2·0	69.5	+18.4	24·4	5	4	+1·2	15·2	10·8	+1·9	0	6	0	0	4	0	0	0	0	0	0
Cochin (Naval Air Station)	32·2	..	33·3	17	24·2	..	22·2	31	7·3	25.5	..	15·9	31	2	..	13·5	9·1	..	0	4	0	0	9	0	0	0	0	0	0

TABLE 11—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER—MARCH, 1965 (PHALGUNA 10,1886—CHAITRA 10, 1887 SAKA)

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0.2mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Kerala—(*Contd.*)																														
Alleppey	32·6	+0·1	33·3	17	24·6	−0·5	22·5	14	0	16·0	−60·6	4·8	19	2	−2·2	18·3	12·4	+0·9	0	5	0	0	5	0	0	0	0	0	0
Punalur	35.4	..	37·3	17	21·7	..	19·0	6	8·8	27·0	..	6·2	27	2	..	3·8	4·8	..	0	6	0	0	0	0	0	0	0	0	0
Trivandrum	32·4	0	34·4	16	23·8	−0·4	21·4	1,7	0·2	14·2	−24·9	8·8	28	2	−0·5	12·5	8·4	+2·3	0	4	0	0	10	0	0	0	0	0	0
Trivandrum Aerodrome	31·6	..	32·7	21	23·3	..	20·0	1,7	..	43·4	..	40·2	31	2	..	..	7·1	..	0	2	0	0	9	0	0	0	0	0	0
Arabian Sea Islands																														
Amini	32·6	+0·5	33·6	21	25·1	−0·3	22·8	23	0	0	−4·1	0	..	0	−0·2	9·1	9·5	+1·3	0	0	0	0	0	0	0	0	0	0	0
Minicoy	30·7	+0·5	31·2	16	24·0	−0·9	21·6	9	0·8	0.8	−21·5	0·8	5	0	−1·5	8·7	5.7	−1·4	0	1	0	0	1	0	0	0	0	0	0
Hill Stations excluding Kashmir																														
Dalhousie	16.8	−0.9	23.0	27	4.6	−3·4	0	20	49.0	147.0	+18.1	45.0	19	8	+1·6	4.3	5.6	−0.3	0	12	1	1	9	0	0	0	0	0	0
Dharmsala	20.2	−0.9	24.9	18	10.6	−2.2	4.8	20	44.2	79.8	−38.5	27.8	20	7	+0.5	4·5	4·0	−2.0	1	10	0	0	8	0	0	0	0	0	0
Simla	12.6	−1·3	20.4	11, 12	..	..	..	..	41.1	65.4	+5.5	21.0	20	6	+1.3	4.7	3.5	+0.6	0	8	6	0	6	0	0	0	0	0	0
Dharmpur	..	..	..	..	..	..	..	..	..	54.0	+6.0	25.6	20	4	+1.1	..	..	..	0	5	..	..	..	..	..	..	..	..	..
Lokpal	4.7	..	−3.0	5	−11.3	..	−12.2	12	..	423.0	..	45.6	19	17	..	..	..	..	0	17	0	0	0	4	0	0	0	0	0
Badrinath	Closed during winter months																													
Joshimath	6.6	..	22.2	14	5.6	..	1.1	20	60.5	132·3	..	32·4	20	11	..	8·9	9·8	..	0	11	3	0	1	0	0	0	0	0	0
Mussoorie	15.1	−0.3	20.6	6	5.2	−1·9	−0.4	20,23	35.0	95.2	+37.8	28.0	19	6	+2·3	13·6	11·5	+3.9	0	6	0	1	6	0	0	0	0	0	0
Mukteswar (Kumaun)	14.5	−0.7	19.5	17	4.3	−1.6	−1.3	23	23.4	61.8	+13.5	25.0	20	5	+0·9	14·9	14·0	+3.9	1	9	2	4	11	4	0	0	0	0	0
Nainital	14·6	−2.1	20.8	28	5.8	−2·1	1.0	24	59.0	123·0	+69·3	32·0	24	7	+2·9	12·1	8.7	+0.8	0	8	2	0	0	0	0	0	0	0	0
Kalimpong	21.2	+0.4	24.5	17	12.1	−0.5	3.8	2	5.0	6.0	−22.2	5.0	20	1	−2.0	17·2	13.7	+1.3	1	3	0	0	0	0	0	0	0	0	0
Darjeeling	15.1	+1.3	19.7	17	7.7	+0.6	3.6	4	11.2	34.8	−12.9	10.4	24	4	+0.4	3.7	3.5	+0·8	0	5	1	0	2	3	0	0	0	0	0
Kohima	20.5	..	23.6	19	11.7	..	6.7	4 days	6.4	24.1	..	9.8	4	4	..	..	..	..	0	7	0	0	0	0	0	0	0	0	0
Shillong	21.5	+0.2	25.0	17	8.9	−1.5	4.0	5	(a) 22.3	86.9	+36.9	33.3	30	4	+0.1	(a) 4.0	3.6	−3.2	0	5	0	0	1	0	0	0	0	0	0
Cherrapunji (R)																														
Abu	25.4	+0.6	30.6	16,17	11.4	−4.7	7.2	20	0	1.0	−3.3	1·0	31	0	−0.5	22.4	10·7	+2.5	0	1	0	0	0	0	0	0	0	0	0
Aijal	24.5	..	27.8	18,22, 23	12.6	..	11.7	24.26	0	(c) 20·2	..	..	..	..	..	(d) 7.2	(f) 6.2	..	..	..	0	0	0	0	0	0	0	0	0
Pachmarhi	28.2	−0.7	31.5	17	13.6	−1.6	8.4	3	0.4	7.3	−6.9	6.0	7	1	−0.3	7.0	4.5	−1.1	0	4	0	0	2	0	0	0	0	0	0
Mahabaleshwar	28.5	+0.5	31.6	28	16.3	−0·7	12.2	23	0	0	−4.3	0	..	0	−0.4	12.4	12.6	+2.0	0	0	0	0	0	0	0	0	0	0	0
Mercara	29.4	+0.4	32.5	14	15.9	−0.5	13·0	23	1.0	6.0	−13.3	5.0	31	1	−0.6	10.7	8.0	+3.0	0	2	0	0	5	0	0	0	0	0	0
Ootacamand(R)																														
Coonoor (R)																														
Kodaikanal	19·4	+0.4	22.6	19	9.7	−0.4	7.1	6	18.4	31.6	−14.4	15.0	21	3	−0.1	11.6	10.9	−2.3	1	3	0	0	3	0	0	0	0	0	0
Nepal																														
Katmandu	23.7	..	27.6	18	5.2	..	0	4	6.0	16.5	..	7.0	19	3	..	2.8	1.5	..	0	4	0	0	5	1	0	1	0	0	0
Sikkim																														
Lachen	10.4	..	15.0	17	0.5	..	−3.0	5	..	146.1	..	18.0	28	14	..	..	..	..	0	14	0	0	0	0	0	0	0	0	0
HYDROMETEOROLOGICAL OBSERVATORIES:																														
Damodar Catchment:																														
Tilaiya	31.1	..	34.5	19	15.5	..	10.6	5,6	5.6	11.5	..	5.5	30	2	..	11.9	7.2	..	1	4	0	1	1	0	0	0	0	0	0
Hazaribagh	29.6	..	33.6	19	14.2	..	9.4	4	1.3	19.3	..	12.2	30	2	..	11.4	6.3	..	1	5	0	1	6	0	1	0	0	0	0
Konar	31·1	..	34.6	18	15.0	..	11.5	4	14.8	24.7	..	13.8	22	2	..	12.0	8.3	..	1	5	0	0	0	0	0	0	0	0	0
Bokaro	33.1	..	36.2	29	12.1	..	6.1	5	3.4	26.2	..	20.3	30	2	..	7.9	5.0	..	4	5	0	0	0	0	0	0	0	0	0
Maithon	32.7	..	37.3	19	14.1	..	8.9	5	28.5	50·9	..	25.3	24	3	..	..	..	..	0	5	0	0	4	0	0	0	0	0	0
Ramgarh (R)															..														
Panchet Hills	32.3	..	36.3	19	17.6	..	13.9	1	31.1	71.8	..	36.3	30	4	..	4.9	3.7	..	0	4	0	0	0	0	0	0	0	0	0
Durgapur	32.9	..	36.8	19	18.1	..	13.9	5	3.8	65.5	..	19.2	24	4	..	9.7	7.2	..	0	6	0	0	2	5	1	0	0	0	0
Mahanadi Catchment:																														
Ginabahar	32.6	..	36.4	28	13.9	..	7.5	5	..	25.6	..	14.4	30	3	..	..	..	..	0	4	0	0	4	2	0	0	0	0	0
Hirakud	34.1	..	38.1	29	19·7	..	14.1	5	4.5	77.9	..	44.4	30	3	..	5.1	3.6	..	0	4	0	0	4	0	0	0	0	2	0
Bhimkund	33.5	..	36.9	28	17.1	..	12.1	5	50.0	87.8	..	63.0	30	4	..	7.3	3.5	..	0	4	0	0	8	0	0	0	0	0	0
Sonepur	34.6	..	39.0	29,30	21.4	..	17.5	3	..	41.5	..	11.5	21	5	..	..	5.3	..	0	7	..	..	..	..	..	..	..	..	..
Khijrawan	33.2	..	36.1	18,27	18.8	..	12.3	5	0	25.8	..	13.8	30	2	..	8.7	7.0	..	0	2	0	0	0	0	0	0	0	0	0

(R) Register not received. (f) Mean of 25 days. (c) Total or mean for 28 days. (d) Mean of 27 days. (a) Mean of or total for 30 days.

TABLE II— SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER—MARCH, 1965 (PHALGUNA 10, 1886—CHAITRA 10, 1887 SAKA)

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a	20(b	21	22	23	24	25	26	27	28	29
HYDROMETEOROLOGICAL OBSERVATORIES— (*Contd.*)																													
Narmada Catchment :																													
Bagra Tawa .	35.1	..	38.6	18	15.6	..	11.8	22	6.4	6.8	..	6.8	19	1	..	7.7	4.1	..	0	1	0	1	1	0	0	0	0	0	0
Punasa (R)																													
Thikri . .	36.4	..	40.	17	18.9	..	15.2	1	..	1·6	..	1·6	31	0	..	..	..	..	0	1	0	0	0	0	0	0	0	0	0
Sabarmati Catchment :																													
Darol .	34.3	..	38.4	16	15.7	..	12.2	20	..	0	..	0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..	..
Gandak Catchment :																													
Jomosom .	13·9	..	17·8	18	0·4	..	−5.4	2	18.6	84·5	..	22.9	2	9	..	..	..	..	0	9	..	..	..	..	..	..	..	..	..
Khudi Bazar .	(i) 25·3	..	29·6	19	(i) 14.1	..	6.2	20	..	70.8	..	17.6	19	9	..	..	..	..	0	13	..	..	..	..	..	..	..	..	..
Timure . .	20.3	..	24·1	18	..	..	..	..	8.0	66.0	..	25.0	27	4	..	..	..	..	0	9	..	..	..	..	..	..	..	..	..
Pokhara .	25·5	..	29.4	19	12·0	..	7·2	4	3·2	17·6	..	8·8	21	1	..	6·4	5·7	..	1	8	0	2	13	0	2	0	0	0	0
Gorkha .	24.5	..	28·2	19	13·9	..	9·1	4	7·5	20·2	..	6·3	31	3	..	..	..	..	0	6	0	0	5	0	0	0	0	0	0
Nuwakot .	26.1	..	30.8	28	13·3	..	8·5	4	6·4	15·2	..	5·0	31	3	..	..	..	..	0	5	..	..	..	..	..	..	..	..	..
Ghaghara Catchment : (Trans Himalayan Region)																													
Dailekh .	21·4	..	24·4	23	11·7	..	8·1	5	15·4	40·4	..	25·0	23	4	..	..	..	..	0	4	..	..	..	..	..	..	..	..	..
Ghaghara Catchment :																													
Dadeldhura .	15·6	..	20·3	18	6·8	..	1·7	23	34·9	125·4	..	73·8	20	5	..	8·2	7·0	..	1	8	0	1	8	5	0	0	0	0	0
Sallayana .	(a) 21·7		26.0	18,19	(g) 10.2	..	6·0	4	12.0	40·9		9.8	23	6	..	..	..	..	0	7	..	..	..	..	..	..	..	..	..
Butwal . .	30·4	..	33.9	3days	17.5	..	12.4	24	2·0	9·4	..	6·0	31	2	..	..	..	..	0	2	..	..	..	..	..	..	..	..	..
Baghmati Catchment:																													
Katmandu†																													
Kosi Catchment:																													
Chautara .	23·4	..	27·2	19	10·0	..	5·7	4	6·8	17·2	..	7·8	19	3	..	..	..	..	0	4	..	..	..	..	..	..	..	..	..
Walungchung Gola	6·7	..	10·1	17	−2·1	..	−7·5	4	0·5	75·6	..	23·9	20	9	..	..	..	..	0	11	..	..	..	..	..	..	..	..	..
Taplethok .	24·1	..	27·5	18	9·9	..	5·3	4	0	80·8	..	20·0	27	9	..	..	..	..	0	11	..	..	..	..	..	..	..	..	..
Bhojpur .	18·6	..	23·6	12	10·5	..	5·3	24	23·5	34·0	..	10·0	24	4	..	..	..	..	0	4	..	..	..	..	..	..	..	..	..
Taplejung .	18·1	..	21·5	18,19	(a) 7·3	..	4·0	24	28·9	78·3	..	20·2	30	9	..	8·4	6·5	..	0	9	0	0	3	1	0	0	0	0	0
Okhaldhunga	18·5	..	24·2	19	8·2	..	3·7	24	27·0	45·9	..	23·6	31	4	..	7·3	5·2	..	1	6	0	1	6	0	0	0	0	0	0
Chainpur .	..	..	..	..	..	..	..	..	19·4	23.2	..	8·0	31	4	..	..	..	..	0	5	..	..	..	..	..	..	..	..	..
Angbung .	..	..	..	..	..	..	..	..	11·5	57·4	..	21·5	31	8	..	..	..	..	0	9	..	..	..	..	..	..	..	..	..
Barahakshetra	29·9	..	33·8	19	15.7	..	11·7	1	26·2	36·8	..	26·1	24	2	..	8·6	5·4	..	1	3	0	1	5	0	0	0	0	0	0
Tista Catchment:																													
Gangtok .	18·9	..	22·3	17	7·6	..	3·0	4	25·0	91·6	..	26·6	28	8	..	6·6	5·3	..	3	10	0	1	5	3	0	0	0	0	0
Gezing . .	21·6	..	26.1	17	8·5	..	4·1	4	4·3	42·0	..	11·4	28	6	..	..	..	..	0	7	..	..	..	..	..	..	..	..	.

† Data included under 'Nepal'. (a) Mean of 30 days. (R) Register not received. (g) Mean of 24 days. (i) Mean of 19 day

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NN	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bay Islands																											
Maya Bandar	0830	28	1013·1	1009·9	..	26·4	23·8	22·6	27·4	79	..	1·6	..	2·2	0	0	16	1	10	0	0	0	0	2	3	15	0
	1730	"	1010·0	1006·9	..	27·9	24·2	22·5	27·3	72	..	2·8	..	6·8	0	1	28	1	20	3	0	0	0	1	4	2	0
Long Island	0830	25	1013·1	1010·3	..	27·8	24·3	22·7	27·6	73	..	2·9	..	1·9	0	0	18	0	4	3	2	0	1	5	3	13	0
	1730	"	1010·0	1007·2	..	27·7	23·7	21·7	25·9	70	..	3·5	..	0.4	0	0	5	0	4	1	0	0	0	0	0	26	0
Port Blair	0530	79	1011·3	1002.3	..	23·2	22·3	21·8	26·1	92	..	2·7	..	3·5	0	0	18	0	2	1	1	0	3	5	6	13	0
	0830	"	1013·1	1004.3	+1·2	29.6	24·5	22·1	26·6	65	—7	3·1	+0·2	9·8	0	0	30	7	15	4	1	0	0	0	3	1	0
	1130	"	1011·8	1003·0	..	30·9	24·9	22·1	26·6	58	..	3·6	..	12·5	0	2	29	1	11	17	2	0	0	0	0	0	0
	1730	"	1010·3	1001·4	..	27·6	23·7	21·9	26·3	71	..	3·9	..	5·7	0	0	22	1	11	6	1	1	0	1	1	9	0
	2330	"	1011·8	1002·8	..	24·5	22·9	22·0	26·4	86	..	2·0	..	3·2	0	0	14	0	7	0	0	0	2	3	2	17	0
Car Nicobar	0830	10	1012·4	1011·2	..	29.4	25·1	23·1	28·3	68	..	3·4	..	3·0	0	0	27	0	27	0	0	0	0	0	0	4	0
	1730	"	1009·6	1008·4	..	28.3	24·7	23·0	28·1	74	..	3·1	..	1·7	0	0	16	0	16	0	0	0	0	0	0	15	0
Nancowry	0830	26	1012·4	1009·5	..	29.2	25·9	24·5	30·7	75	..	4·2	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	1730	"	1009·3	1006·4	..	28·3	25·2	23·9	29·7	77	..	4·5	..	..	0	0	0	0	0	0	0	0	1	0	0	30	0
Kondul	0830	8	..	..	..	28·2	25·4	24·5	30·7	79	..	5·0	...	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	27·4	24·9	23·7	29·3	81	..	4·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Assam (Including NEFA)																											
Passighat	0830	157	1014.8	996·6	..	18·8	15·4	12·8	14·8	68	..	4·3	...	19·2	0	19	11	1	1	0	0	0	0	0	28	1	0
	1730	"	1010·5	992·5	..	20·9	17·6	15·3	17·4	71	..	4·8	...	7·9	0	4	16	1	0	0	0	0	1	4	14	11	0
Dibrugarh (Mohanbari)	0230	111	1011·9	998.9	..	15·2	14.1	13·2	15·2	88	...	4·3	...	3·3	0	1	11	0	7	3	0	1	1	0	0	19	0
	0530	"	1012.5	999.5	..	14·6	13·6	12·7	14·9	89	...	4·0	...	2·8	0	0	16	0	9	3	0	0	1	1	2	15	0
	0830	"	1014·5	1001·6	+1·0	19·5	16·0	13·4	15·4	68	—3	3·5	−0·7	7·0	0	0	26	1	14	10	0	0	1	0	0	5	0
	1130	"	1012·9	1000·3	..	23·7	17·3	12·6	14·6	52	..	2·5	..	7·4	0	0	29	5	12	11	0	0	0	0	1	2	0
	1430	"	1009·7	997·1	..	25·5	17·8	12·1	14·1	46	..	3·6	..	6·3	0	0	28	0	12	11	1	1	2	1	0	3	0
	1730	"	1009·9	997·1	..	22·0	17·4	14·2	16·3	62	..	3·9	..	3·9	0	0	16	0	13	2	1	0	0	0	0	15	0
	2030	"	1011·9	998.9	..	18.0	15·7	14.0	16.0	78	..	3.7	..	3.9	0	2	11	3	10	0	0	0	0	0	0	18	0
	2330	"	1012.4	999.4	..	16.5	15.0	13.9	15.9	84	..	4.1	..	3.6	0	1	11	1	8	1	0	0	2	0	0	19	0
Digboi	0830	152	1015·5	997·8	..	18·9	16.3	14.5	16·5	74	..	(b) 2.5	..	4·0	0	0	29	5	6	4	2	2	5	4	1	2	0
	1730	"	1011·3	993·9	..	23·8	19·8	17·4	19.9	68	..	(b) 1·8	..	3.0	0	0	26	2	3	11	2	2	1	5	0	5	0
North Lakhimpur	0830	102	1014·9	1003·0	+1·3	20·5	16·9	14·3	16·3	69	—5	3.5	−0·7	4.1	0	0	28	1	6	7	8	4	1	1	0	3	0
	1130	"	1013·4	1001·7	..	24·5	17·9	13.2	15·1	52	..	3·1	..	6·8	0	0	30	3	11	10	5	1	0	0	0	1	0
(R)	1430	"			..																						
	1730	"	1010·4	998·6	..	21·9	18·0	5.5	17·6	67	..	3·4	..	3·2	0	0	18	8	7	0	0	1	2	0	0	13	0
Sibsagar	0830	97	1014·9	1003·7	+1·8	20·6	17·4	15·2	17·3	72	−9	2·8	−2.2	2·7	0	0	27	5	17	1	1	1	2	0	0	4	0
	1730	"	1009·8	998·8	..	25·0	18·7	14·4	16·4	52	..	3·6	..	2·4	0	0	22	5	9	2	0	0	6	0	0	9	0
Gohpur	0830	83	..	1004·6	..	19·3	16·7	15·0	17·0	76	..	2·9	..	4.8	0	0	29	1	9	1	11	2	1	0	2	2	2
	1730	..	..	1000·4	..	23·2	18·5	15·6	17·7	62	..	3·0	..	4·7	0	0	27	2	17	0	0	2	2	0	1	4	3
Majbat	0830	..	..	..	..	21.2	18.9	17·7	20·2	80	..	2·6	..	5·3	0	0	28	0	20	1	7	0	0	0	0	3	0
	1730	"	..	..	..	24.5	21·7	20·3	23·8	77	..	4·1	..	3·0	0	0	17	1	8	1	2	0	4	0	1	14	0
Jorhat (Aerodrome)	0530	90	1012·4	1001·8	..	15·0	14·3	13·7	15·7	93	..	3·4	..	1·8	0	0	7	0	5	0	1	0	1	0	0	24	0
	0830	"	1014.3	1003·9	..	20·2	17·3	15·3	17·4	75	..	3·1	..	6·1	0	2	20	0	14	4	1	0	2	0	1	9	0
	1130	"	1012·8	1002.6	..	25.0	19·1	15·2	17·3	56	..	2·8	..	8·9	0	2	23	2	14	7	1	0	1	0	0	6	0
	1730	"	1009·5	999·2	..	22·7	18·5	15·7	17.8	65	..	3·8	..	4·1	0	0	18	2	10	1	1	0	2	2	0	13	0
	2330	"	1012·1	1001·7	..	17·5	16·3	15·4	17·5	89	..	2·9	..	2.2	0	0	8	0	5	2	1	0	0	0	0	23	0
Tungla	0830	78	1013.2	1004.1	..	21.1	17·3	14·7	16·7	67	..	1·2	..	3·0	0	0	20	0	0	0	8	0	12	0	0	11	0
	1730	"	1009.4	1000.5	..	24.8	19·2	15·6	17.7	57	..	1·3	..	0·8	0	0	7	0	1	0	5	0	1	0	0	24	0
Tezpur	0830	79	1014·6	1005·2	+1·0	20·0	16 3	15·6	15·6	66	—5	2·1	−0·4	7·2	0	1	29	0	29	0	0	0	1	0	0	1	0
	1730	"	1009·4	1000·6	..	26·2	18·2	12·4	14·4	43	..	3·1	..	4·6	0	0	25	2	14	2	0	0	7	0	0	6	0
Golaghat	0830	95	1014·0	1002·9	..	19·3	16.6	14.7	16.7	74	..	3·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	1009·0	998·1	..	26·5	18·8	13·5	15·5	45	..	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rangia	0830	60	1015.4	1008·5	..	21·4	17·4	14·6	16·6	67	..	1·3	..	6·4	0	2	28	0	4	26	0	0	0	0	0	1	0
	1730	..	1010.6	1003·8	..	25.5	20·5	17·4	19·9	60	..	(a) 1·0	..	(a) 1·8	0	0	15	2	2	5	2	0	1	1	2	15	0
Chaparmukh	0830	66	1015.9	1008·3	..	21·2	17·0	14·0	16·0	64	..	1.4	..	4·2	0	0	30	0	2	13	13	0	0	0	2	1	0
	1730	"	1010·5	1003·1	..	25·4	18·4	13·5	15·5	51	..	2·3	..	4·5	0	1	25	4	4	2	6	1	3	2	5	5	0
Golpara	0830	38	1014·3	1009 8	..	16 7	14·4	12·7	14·7	78	..	2·7	..	1·7	0	0	26	0	7	2	1	0	3	0	13	5	0
	1730	"	1009·4	1005·2	..	25·8	17·7	12·3	14·3	46	..	2·5	..	1·2	0	0	19	0	2	0	4	0	4	5	4	12	0
Gauhati	0830	..	..	..	..	22·9	17·0	12·6	14·6	53	−17	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gauhati (Bhorjor)	0230	54	1010·8	1004·4	..	15·6	14·5	13 7	15·7	89	..	1·6	..	3·7	0	1	8	1	3	2	0	1	1	1	0	22	0
	0530	"	1011·7	1005·3	..	14·4	13·7	13·1	15·1	92	..	2·7	..	1·4	0	0	8	1	3	2	0	1	1	0	0	23	0

(a) Mean of 30 days. (R) Register not received. (b) Mean of 29 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative humidity %	Cloud amount (Oktas): Departure from normal	Mean amount	Departure from normal	Mean wind speed per hour in Km.	Wind speed (Km. p.h.): 62 or more	20 to 61	1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
North Assam (including NEFA—(*Contd.*)																											
Gouhati (Bhorjor) *Contd.*	0830	54	1013·8	1007·5	+1·3	20·5	16·8	14·1	16·1	68	+6	2·2	—0·1	3·6	0	0	18	6	6	3	0	1	0	1	1	13	0
	1130	"	1012·3	1006·1	..	26·5	18·6	13·1	15·1	45	..	2·7	..	8·1	0	1	29	10	11	2	0	0	0	3	4	1	0
	1430	"	1009·0	1002·9	..	28.3	18·6	11·5	13·6	37	..	0·8	..	9·4	0	1	26	4	3	1	0	2	4	6	7	4	0
	1730	"	1008·9	1002.7	..	25·4	18·4	13·5	16·5	49	..	3·2	..	5·7	1	0	16	4	4	0	0	2	1	5	1	14	0
	2030	"	1011·4	1005·1	..	19·3	16·6	14·7	16·7	75	..	1·7	..	5·2	0	0	18	1	2	1	2	7	3	1	1	13	0
	2330	"	1011·8	1005·4	..	17·3	15·4	13·9	15.9	81	..	1·7	..	2·7	0	0	9	0	4	2	0	2	1	0	0	22	0
Dhubri (Rupai)	0530	45	1011·3	1006·0	..	14·9	13·3	12·7	14·7	87	..	2·1	..	6·2	0	0	25	1	21	1	0	1	1	0	0	6	0
	0830	"	1013·5	1008·3	..	21·5	16·8	13·3	15·3	60	..	2·2	..	9·0	0	0	31	0	11	14	1	2	1	2	0	0	0
	1130	"	1012·3	1007·2	..	27·2	18·3	11·7	13·5	40	..	2·7	..	10·0	0	1	30	0	3	9	6	5	4	3	1	0	0
	1730	"	1008·5	1003·3	..	25.8	18·4	13·2	15·2	46	..	2·4	..	6·2	0	0	24	2	1	3	1	0	3	10	4	7	0
Dhubri	0830	35	1014·2	1010·1	+1·9	21·2	17·5	15·0	17·0	67	+1	1·6	—0·2	10·3	0	1	30	1	20	3	2	1	3	0	1	0	0
	1730	"	1009.4	1005·5	..	25·7	18.6	13.7	15·7	47	..	0·7	..	1·4	0	0	8	0	6	0	0	0	2	0	0	23	0
Lumding	0830	149	1014·4	997·0	..	16·4	15·0	13·9	15·9	86	+10	2·2	..	2·0	0	0	15	1	2	10	2	0	0	0	0	16	0
	1730	"	1009.3	992·5	..	25·9	19·2	14·8	16·8	53	..	3·2	..	1·9	0	0	17	1	1	5	0	5	2	2	1	14	0
South Assam (including Nagaland Manipur and Tripura)																											
Tura	0830	370	1013·8	971·8	..	21·6	15·8	11·2	13·3	53	..	7·5	..	3·5	0	0	29	0	1	8	10	4	1	3	2	2	0
	1730	"	1009·9	968·3	..	27·0	17·5	10·1	12·3	36	..	7·4	..	4·9	0	0	29	2	1	2	2	7	10	5	0	2	0
Haflong	0830	682	1013·0	936·8	..	20·1	15·2	11·7	13·7	60	..	1·9	..	6·3	0	0	31	3	0	0	0	0	0	0	28	0	0
	1730	"	1008·9	933·5	..	22·2	16·2	11·5	13·6	53	..	2·6	..	7·0	0	0	31	3	0	0	0	0	0	0	28	0	0
Silchar (Kumbhirgram)	0530	97	1011 1	999·8	..	16.3	14·3	12·6	14·7	79	..	2·6	..	9·0	0	0	31	0	1	29	0	0	0	0	1	0	0
	0830	"	1013·1	1001·9	..	21·0	16·7	13·5	15·5	63	..	1·8	..	10.8	0	1	30	0	0	30	0	1	0	0	0	0	0
	1130	"	1011·9	1000 3	..	26·7	18·7	13·1	15·1	44	..	2·3	..	7·5	0	0	30	1	2	12	5	3	1	5	1	1	0
	1730	"	1008·2	997·3	..	25·8	18·6	13·6	15·6	48	..	2·6	..	4·0	0	1	26	1	0	6	2	2	2	11	3	4	0
Silchar	0830	29	1014·2	1010·8	+0·9	21·7	17·5	14·6	16·6	65	—7	2·3	—0·4	1.9	0	0	28	2	5	8	8	4	0	0	1	3	0
	1730	"	1009·4	1006·0	..	26·5	19·6	15·1	17·1	50	..	3·0	..	0.8	0	0	12	2	2	2	1	0	1	2	2	19	0
Imphal (Tulihal)	0530	781	1016·1	926·1	..	9·8	9·0	8.2	10·9	90	..	3·1	..	1·6	0	0	9	3	0	1	2	1	0	1	1	22	0
	0830	"	1015·8	927·9	+0.7	16·9	13·1	10·1	12·3	65	+3	3·0	+0·3	3.4	0	1	11	1	0	1	4	2	3	0	1	19	0
	1130	"	1012·0	926·2	.	23·1	15·2	9·1	11·5	42	..	3·4	..	10·4	0	2	25	0	0	3	2	9	5	3	5	4	0
	1430	"	1008·4	923·4	..	25 0	14·9	6·4	9·6	32	..	4·1	..	16·2	0	12	17	0	1	0	1	2	2	15	8	2	0
	1730	"	1009·7	923·6	..	21·2	13·9	7.9	10·7	43	..	4·2	..	10·7	0	3	25	0	0	0	1	1	4	9	13	3	0
	2030	"	1013·3	925·5	..	16·8	12·9	9·7	12·0	64	..	3·6	..	5·0	0	0	17	1	2	1	2	3	0	2	6	14	0
	2330	"	1014·6	925·9	..	13·6	11·6	9.9	12·2	79	..	3·6	..	2·6	0	0	8	1	2	0	1	1	0	1	2	23	0
Kailashahar	0530	30	1012·7	1009·2	..	16·0	15·2	14·7	16·7	92	..	1·5	..	1·3	0	0	10	0	1	1	0	7	1	0	0	21	0
	0830	"	1014·4	1011·0	..	21.9	18·3	15.9	18·1	69	..	1·3	..	3·1	0	0	22	1	0	1	2	12	5	1	0	9	0
	1130	"	1013·0	1009·7	..	28·6	20·5	15·2	17·3	45	..	2·4	..	4·3	0	0	29	6	3	2	3	5	4	3	3	2	0
	1730	"	1009·8	1006·5	..	27·4	20·2	16·0	18·2	52	..	2·5	..	1·5	0	1	11	2	2	1	2	2	1	0	2	19	0
Agartala	0230	16	1010·1	1008·3	..	18·9	17·5	16·6	18·9	86	..	1·5	..	4·2	0	0	16	0	3	0	6	4	1	0	2	15	0
	0530	"	1011·0	1009·1	..	17·9	16·9	16·2	18·4	90	..	2·2	..	4·5	0	0	18	0	2	3	8	3	2	0	0	13	0
	0830	"	1013·0	1011·2	+1·3	24·3	20·1	17·6	20·1	66	—5	2·3	—0·8	6·3	0	1	23	1	2	0	6	9	3	3	0	7	0
	1130	"	1011·9	1010·1	..	30·1	20·4	14 1	16·1	39	..	2·4	..	11·4	0	2	27	1	0	0	2	7	5	9	5	2	0
	1430	"	1008·9	1007.1	..	31·6	20·0	11·9	13·9	31	..	3·1	..	11·9	0	6	22	5	0	0	1	1	6	8	7	3	0
	1730	"	1008 5	1006·7	..	28·1	19·2	13·1	15·1	42	..	2·7	..	7·2	0	0	28	1	4	0	2	4	3	3	3	11	0
	2030	"	1010·7	1008.9	..	22·2	18·1	15·3	17·4	66	..	2·0	..	7·0	0	3	12	1	0	1	3	8	0	1	1	16	0
	2330	"	1010·8	1009·0	..	20·4	18·0	16·4	18·6	77	..	1·5	..	5·6	0	1	16	1	3	1	5	6	0	0	1	14	0
Sub-Himalayan, West Bengal																											
Baghdogra	0230	131	1010·7	995·2	..	14·9	12·9	11·0	13·1	77	..	1·3	..	5·0	0	1	21	15	2	4	0	0	0	0	1	9	0
	0530	"	1011·5	995·8	..	14·3	12·6	11·1	13·2	82	..	2·1	..	4·7	0	0	23	16	2	3	0	0	0	1	1	8	0
	0830	"	1013·5	998·3	+1·5	21·7	15·9	11·1	13·2	52	—6	2·1	—0·4	7·3	0	2	21	4	9	7	2	0	0	1	0	8	0
	1130	"	1012·5	997·6	..	26·7	17·5	10·4	12·6	37	..	2·0	..	13·6	0	3	27	2	2	9	12	0	4	0	1	1	0
	1730	"	1008·6	993·7	..	26·1	17·4	10·7	12·9	40	..	2·0	..	6·8	0	0	23	1	2	6	1	3	5	5	0	8	0
	2330	"	1011·2	996·0	..	16·7	14·1	12·0	14·0	74	..	1·5	..	5·5	0	0	25	16	4	4	0	0	0	0	1	6	0
Jalpaiguri	0830	83	1013·6	1004·0	+1·7	18·7	15·9	13·8	15·8	73	+3	1·7	+0·2	4.8	0	0	26	11	8	5	0	0	0	1	1	5	0
	1730	"	1008·4	999·1	..	27·0	18·5	12·4	14·4	41	..	1·5	..	1·8	0	0	16	2	1	4	1	0	2	4	2	15	0
Cooch Behar	0830	43	1013·8	1008·8	..	21·4	16·9	13·6	15·6	62	..	2·1	..	10·9	0	2	28	0	4	24	0	1	0	1	0	1	0
	1130	"	1012·7	1007·9	..	26·5	18·6	13·0	15·1	45	..	2·3	..	11·2	0	2	29	0	2	17	3	4	4	0	1	0	0
	1730	"	1009·1	1004·3	..	25·9	19·1	14·5	16·5	50	..	2·1	..	1·6	0	0	8	1	0	1	3	0	1	1	0	23	1
Balurghat	0830	26	1012·0	1009·0	..	23.3	16·9	12·0	14·0	50	..	2·1	..	3·7	0	0	24	3	2	4	3	1	4	4	2	7	1
	1730	"	1007 9	1004·9	..	28·2	19·2	13·0	15·0	40	..	0·7	..	1·5	0	0	17	0	0	1	3	2	10	1	0	14	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Kms. p.h.): 62 or more	Wind speed (Kms. p.h.): 20 to 61	Wind speed (Kms. p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Sub-Himalayan West Bengal—(*Contd.*)																											
Malda	0830	31	1013·3	1009·6	+1·8	23·2	16·8	11·9	13·9	50	+1	2·3	+1·2	1·9	0	0	19	1	3	2	1	1	5	3	2	12	1
	1730	,,	1008·6	1005·0	..	28·7	13·4	10·6	12·8	34	..	1·9	..	2·0	0	0	22	1	3	2	1	1	1	4	9	9	0
Gangetic West Bengal																											
Berhampore	0830	19	1013·3	1011·1	+1·4	23·5	18·3	14·8	16·8	59	—1	2·4	+0·2	2.5	0	0	27	1	0	3	1	12	2	8	0	4	0
	1730	,,	1008·3	1006·2	..	28·7	19·7	13·2	15·2	41	..	2·7	..	2·1	0	0	20	1	0	1	0	12	2	4	0	11	0
Suri	0830	..	..	..	..	24·6	17·0	11·1	13·2	44	..	2·2	..	3·5	0	0	31	3	2	3	1	9	0	11	2	0	0
Asansol	0230	126	1010·7	996·0	..	18·0	14·9	12·5	14·5	65	..	1·2	..	2·8	0	1	11	0	0	0	0	1	2	6	3	19	0
	0530	,,	1011·5	996·7	..	17·1	14·4	12·2	14·2	74	..	2·5	..	2·9	0	1	14	2	0	0	0	2	0	8	3	16	0
	0830	,,	1013·4	999·0	+1.9	24·2	17.4	12·4	14·4	49	+3	2·5	+0·7	5·6	0	0	29	4	5	0	1	2	2	10	5	2	0
	1130	,,	1012·3	998·1	..	29·9	18·5	9·7	12·0	31	..	2.3	..	8.4	0	0	30	5	5	2	1	4	1	8	4	1	0
	1430	,,	1009·3	995·0	..	31·9	19·1	9·5	11·9	26	..	2·4	..	8·6	0	1	29	3	3	1	0	4	3	6	10	1	0
	1730	,,	1008·6	994·5	..	29·2	18·7	10·9	13·0	33	..	2·4	..	4·6	0	0	21	1	4	1	4	3	2	3	3	10	0
	2330	,,	1011·8	997·3	..	20·1	15·9	12·5	14·5	63	..	1·6	..	5·5	0	2	19	0	1	1	1	6	2	5	5	10	0
Shanti Niketan	0830	59	1013·6	1006·9	..	23·6	17·2	12·4	14·4	49	..	2.4	..	4·0	0	0	25	4	5	0	2	5	2	2	5	6	0
	1130	,,	1012·8	1006·1	..	29·5	18·5	10·2	12·4	33	..	2·1	..	3·9	0	0	25	5	4	1	1	4	3	3	4	6	0
	1730	,,	1009·0	1002·3	..	28·5	18·3	10·5	12·7	35	..	2.4	..	3·2	0	0	19	2	1	0	0	7	3	2	4	12	0
Krishnanagar	0830	15	1013·6	1011·9	+1·9	24·6	19·4	16·1	18·3	60	—3	1·3	—1·1	1·5	0	0	10	0	0	0	2	6	1	1	0	21	0
	1730	,,	1008·9	1007·3	..	28·9	20·2	14·6	16·6	44	..	1·5	..	0·3	0	0	4	0	0	0	0	3	1	0	0	27	0
Purulia	0830	255	1013·5	984·5	+0·8	22·8	15·9	10·3	12·5	46	+1	2·8	+0·9	2·6	0	0	24	4	2	0	0	2	4	5	7	7	0
	1730	,,	1008·4	980·2	..	30·3	18·8	12·6	14·7	30	..	3·0	..	2·2	0	0	24	1	5	3	1	4	1	4	5	7	0
Bankura	0830	100	1013·0	1001·5	..	22·9	17·7	14·0	16·0	59	..	1·9	..	1·2	0	0	16	0	3	0	1	1	3	3	4	15	1
	1730	,,	1008·2	997·1	..	30.7	20·1	13·0	15·0	35	..	1·5	..	1.7	0	0	16	0	3	1	3	0	4	1	4	15	0
Burdwan	0830	32	1013.0	1009·4	+1·4	24·9	18·7	14.5	16·5	51	—12	1·4	—0·9	0.7	0	0	8	1	0	1	0	2	2	1	1	23	0
	1730	,,	1008·5	1004·9	..	30·5	20.1	13·0	15·0	36	..	1.5	..	2·5	0	0	13	1	1	4	0	6	1	0	0	18	0
Barrackpore (Aerodrome)	0530	7	1011.1	1010·3	..	18·8	18·0	17·0	19.4	89	..	3.1	..	3.5	0	0	20	1	2	3	1	5	4	3	1	11	0
	0830	,,	1013·5	1012·7	+1·5	24·7	20·6	18·3	21·0	68	0	2·1	—0·2	7·0	0	0	26	1	1	3	1	3	8	6	3	5	0
	1130	,,	1012·5	1011·7	..	29·9	20·8	15·1	17·1	42	..	2·3	..	9·4	0	1	29	1	2	2	1	3	8	9	4	1	0
	1730	,,	1009·2	1008·4	..	28·4	20.8	17·2	18·4	49	..	2·5	..	7·3	0	0	30	7	1	0	2	5	8	3	4	1	0
	2330	,,	1011·2	1010·4	..	21·8	19·2	17·6	20·1	77	..	1·7	..	8·0	0	2	23	1	0	1	0	5	15	1	2	6	0
Calcutta (Dum Dum)	0230	6	1010·3	1009.6	..	20·6	19·4	18·7	21·6	89	..	1·7	..	4·1	0	1	21	1	2	1	2	4	8	1	3	9	0
	0530	,,	1010·9	1010·2	..	19·3	18·5	18·0	21·3	92	..	2·5	..	1·9	0	0	14	0	0	1	5	3	4	0	1	17	0
	0830	,,	1013·2	1012·5	+1·3	24·4	20·8	18·8	21·7	72	+3	2·3	—0·2	4.5	0	0	25	2	2	0	2	5	10	0	4	6	0
	1130	,,	1012·2	1011·5	..	30.1	21·6	16·5	18·8	46	..	2·7	..	7·2	0	0	31	4	2	2	1	2	10	1	8	0	1
	1430	,,	1009·3	1008·6	..	31·9	21·9	15·7	17·8	40	..	2·8	..	6·6	0	1	30	3	1	2	2	6	8	2	7	0	0
	1730	,,	1009·0	1008·3	..	28·8	21·4	17·1	19.5	51	..	2·3	..	5·2	0	1	22	2	0	0	2	10	6	1	2	8	0
	2030	,,	1010·9	1010·2	..	21·8	20·4	18·4	21·1	72	..	1·5	..	5.0	0	0	27	1	1	1	6	11	5	2	0	4	0
	2330	,,	1011·2	1010·5	..	21·8	20·1	19·1	22·1	85	..	1·9	..	5·2	0	0	24	0	1	1	4	10	5	1	2	7	0
Calcutta	0830	6	1012·9	1012·2	+1.1	25·3	20·8	18·2	20·9	66	—10	2·0	—0·2	2.7	0	0	24	1	1	1	1	6	5	2	7	7	0
	1130	,,	1012·0	1011·3	..	30·6	21·0	15·0	17·0	40	..	2·0	..	2·8	0	0	25	2	4	0	0	3	8	3	5	6	0
	1730	,,	1008·7	1008·0	..	28·9	20·2	14·6	16·6	43	..	2·3	..	4·2	0	1	22	3	1	0	1	8	6	1	3	8	0
Midnapore	0830	45	1013·0	1007.8	+1·2	24·0	19·0	15·8	17·9	61	+2	1·5	—0·3	1·3	0	0	18	6	2	1	0	4	2	2	1	13	0
	1730	,,	1008·8	1003·7	..	30·3	19·4	11·6	13·7	35	..	1·9	..	4·7	0	1	24	3	9	0	1	7	2	0	3	6	0
Contai	0830	11	1013·1	1011·8	+1.4	25·8	22·0	20·0	23·4	71	+3	1·6	—0·7	8·0	0	0	30	5	0	0	2	6	13	4	0	1	0
	1730	,,	1009·2	1008·0	..	26·5	22·5	20·4	24·0	71	..	1·6	..	11·8	0	6	25	0	1	0	5	22	2	1	0	0	0
Sagar Island	0830	3	1012 8	1012·5	—1.0	25·8	22·9	21·5	25·6	78	+5	2·5	—0.5	14.3	0	10	21	1	2	2	2	4	11	6	3	0	0
	1730	,,	1009·2	1008·9	..	26.5	22·9	21·0	24·9	73	..	2·5	..	18·3	0	13	18	1	0	0	4	15	10	1	0	0	0
Sandheads	5330	10	1010·6	1009·5	..	24·8	22·7	21·7	25·9	83	..	2·2	..	15·5	0	7	23	2	1	1	0	5	16	3	2	1	0
	0830	,,	1013 2	1012·1	+1.0	28·0	24·0	22·1	26·6	71	—3	1·6	—0·6	12·7	0	4	25	1	1	0	0	3	20	2	2	2	0
	1130	,,	1012·8	1011·7	..	30·0	24·9	22·5	27·3	64	..	1·5	..	9·8	0	6	22	1	1	0	0	4	18	2	2	3	0
	1730	,,	1009·4	1008·3	..	26·9	23·5	21·9	26·3	76	..	1.8	..	13·4	0	9	16	0	0	1	2	6	14	2	0	6	0
	2330	,,	1011·3	1010·2	..	25.4	23·4	22·4	27·1	83	..	..	..	13.2	0	5	24	0	0	0	2	8	19	0	0	2	0
Orissa																											
Baripada	0830	54	1013·9	1007.7	..	24·7	19·7	16·6	18·9	61	..	1.5	.	2·1	0	0	18	5	5	1	0	2	2	0	2	13	1
	1730	,,	1009 6	1003·6	..	29·3	22·1	18·1	20·8	53	..	2·3	..	3·9	0	0	23	2	1	1	6	8	2	1	1	8	1
Jharsuguda	0230	230	1010·2	983·9	..	20·5	15·4	11·3	13·4	56	..	1·7	..	2·0	0	0	11	2	3	1	4	0	1	0	0	20	0
	0530	,,	1011·1	984·5	..	18·6	14·7	11·5	13·6	64	..	2·4	..	2·9	0	0	14	7	3	2	0	0	1	0	1	17	0
	0830	,,	1013·1	986·9	+0 8	24·1	16·0	9·2	11.6	42	—5	2·3	+0.4	6·3	0	1	22	8	8	2	2	1	1	0	1	8	0
	1130	,,	1011·8	986·3	..	30·5	18·3	8·6	11·2	27	..	2·3	..	8·6	0	2	25	5	6	1	2	1	6	2	4	4	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	20 to 61	1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Orissa—*Contd.*																											
Jharsuguda (*Contd.*)	1780	230	1007·8	982·3	..	31·1	18·1	7·3	10·2	25	..	3·4	..	8·5	0	1	27	0	1	1	0	9	5	6	6	3	0
	2330	"	1011·0	984·8	..	23·2	16·2	10·6	12·8	47	..	1·8	..	4·0	0	0	14	3	6	1	1	0	0	0	3	17	0
Keonjhargarh	0830	463	1013·5	961·9	..	24.7	19·7	17·0	19·4	63	..	1·2	..	1·5	0	0	19	1	0	4	2	0	0	11	1	12	0
	1730	"	1008·4	957·9	..	29·5	21·9	18·1	20·8	50	..	1·4	..	1·8	0	0	28	4	1	1	3	0	1	14	4	3	0
Balasore	0830	20	1012·7	1010.5	+0·8	25·5	21·2	18·7	21·6	67	0	2·3	+0·4	5·9	0	0	26	5	2	0	0	7	9	0	3	5	0
	1730	"	1009·0	1006·7	..	27·0	22·7	20·5	24·1	68	..	3·0	..	10·1	0	3	27	1	1	0	10	16	2	0	0	1	0
Sambalpur	0830	148	1013·1	996·3	+1·0	25·1	18·2	13·3	15·3	49	−2	1·5	+0.1	2·5	0	0	19	6	4	4	0	1	1	3	0	12	0
	1730	"	1009·9	993·3	..	31·2	19·9	12·1	14·1	34	..	1·7	..	3·4	0	0	18	1	1	0	1	6	2	2	5	13	0
Angul	0830	139	1013·2	997·4	+1·1	24·2	19·3	16·2	18.4	61	+1	1·3	−1·0	3·2	0	0	27	3	4	5	1	1	0	11	2	4	0
	1730	"	1008·5	993·0	..	32·1	21·6	15·1	17·1	38	..	3·1	..	4·1	0	0	28	4	4	1	3	3	7	4	2	3	0
Chandbali	0830	6	1013·5	1012·8	+1·6	25·4	22·2	20·5	24·1	75	−1	2·1	−0·5	5.3	0	1	28	1	2	2	4	2	12	1	5	2	0
	1730	"	1009.9	1009·2	..	28·0	22·5	19·5	22·7	59	..	2·1	..	11·5	0	5	25	0	1	1	22	3	2	0	1	1	0
Bolangir	0830	190	1012·9	991·3	..	25·7	20·9	18·1	20·8	63	..	1·5	..	4·7	0	0	31	7	4	1	5	8	4	0	2	0	0
	1730	"	1008·1	987·0	..	30·9	23·4	19·5	22·7	52	..	2·9	.	4·5	0	0	31	7	3	5	3	5	2	1	5	0	0
Phulbani	0830	464	1011·6	959·3	..	21·5	16·9	13·9	15·9	62	..	0·6	..	0·6	0	0	9	2	0	2	4	0	0	1	0	22	0
	1730	"	1006·1	955·6	..	29·0	18·9	12·5	14·5	38	..	2·3	..	1·2	0	0	13	3	1	1	1	2	2	2	1	18	0
Cuttack	0830	27	1013·2	1010·1	+0·9	24·8	21·7	20·1	23·5	75	+2	1·6	−0·9	6·5	0	0	26	1	3	0	1	2	12	3	4	5	0
	1730	"	1009·0	1006·0	..	31·3	22·0	16·5	18·8	43	..	1·9	..	8·9	0	0	27	0	0	1	2	15	4	2	3	4	0
Titlagarh	0830	211	1013·1	989·3	..	26·0	19·7	15·7	17·8	53	..	0·8	..	2·1	0	0	28	0	9	0	4	6	8	0	1	3	0
	1730	"	1008·0	984·8	..	32·3	22·2	16·3	18·5	44	..	2·1	..	2·1	0	0	22	1	9	1	4	0	3	0	4	9	0
Bhubaneswar	0230	46	1010·6	1005·4	..	23·2	21·1	19·9	23·2	82	..	1·7	..	7·5	0	1	27	1	0	0	2	11	12	1	1	3	0
	0530	"	1011·1	1005.8	..	22·0	20·7	20·0	23·4	89	..	2·0	..	7·2	0	3	23	3	2	0	0	6	9	4	2	5	0
	0830	"	1013·2	1008·0	+1·2	26·5	22·0	19·5	22·7	66	−4	1·6	−0·7	12·2	0	5	26	3	3	1	0	4	16	2	2	0	0
	1130	"	1012.3	1007·2	..	31·8	21·2	14·5	16·5	36	..	1·4	..	14·5	0	9	22	3	3	1	0	8	14	0	2	0	0
	1430	"	1009·3	1004·1	..	33·3	20·6	11·9	13·9	30	..	1·9	..	14·5	0	9	22	1	3	2	0	12	9	2	2	0	0
	1730	"	1009·3	1004·1	..	29·6	20·9	15·5	17·6	45	..	2·1	..	17·6	0	13	18	2	1	0	1	17	8	0	2	0	0
	2330	"	1011·8	1006·6	..	24·5	21·9	20·5	24·1	79	..	2·2	..	13·2	0	5	26	0	0	0	1	10	17	1	2	0	0
Puri	0830	6	1013·5	1012·8	+1·4	27·1	23·4	21·5	25·6	72	−5	2·0	−0·3	13·4	0	8	23	1	1	0	3	3	23	0	0	0	0
	1730	"	1009·9	1009·2	..	27·2	23·8	22·3	26·7	75	.	1·9	..	14·6	0	6	23	0	0	0	4	17	8	0	0	2	0
Gopalpur	0530	17	1011.0	1009·0	..	22·7	21·0	20·0	23·4	85	..	2·2	..	4·8	0	3	11	0	1	0	0	2	7	3	1	17	0
	0830	"	1013·2	1011·2	+1·2	25·8	22·1	20·1	23·5	72	−2	1·7	+0·7	6·1	0	2	23	4	0	1	0	5	10	2	3	6	0
	1130	"	1012·8	1010·9	..	29·3	25·0	23·0	28·1	68	..	1·1	..	11·9	0	6	25	2	0	2	3	15	9	0	0	0	0
	1730	"	1009·4	1007·4	..	27·2	24·8	23·7	29·3	81	..	2·8	..	13·8	0	9	22	0	0	0	2	14	15	0	0	0	0
	2330	"	1011·9	1009·9	..	25·0	23·3	22·5	27·3	86	..	2·3	..	9·5	0	5	23	0	0	0	0	6	19	2	1	3	0
Koraput*	0830	913																									
	1730	"																									
Bihar Plateau																											
Dumka	0830	149	1013·5	996·5	+1·8	23·4	16·9	11·9	13·9	49	+5	1·6	+0·4	3·5	0	0	18	1	3	1	6	0	3	4	0	13	0
	1730	"	1008·3	991.7	..	29·2	18.7	10·7	12·9	34	..	1·3	..	3·2	0	0	17	0	0	0	4	1	3	4	5	14	0
Daltonganj	0830	221	1013·9	988·8	+1.7	22·5	15·8	10·3	12·5	49	−5	1·3	+0·1	2·4	0	0	27	5	4	3	4	3	4	2	1	4	1
	1730	"	1007·8	983·2	..	30·0	18·0	8.2	10·9	27	.	1·7	..	4·5	0	0	30	5	1	0	0	3	5	6	10	1	0
Hazaribagh	0830	611	1012·6	944·5	+1·2	22.2	13·6	6·0	9·3	36	0	2·4	+0·7	5·6	0	0	23	3	0	1	2	4	4	5	6	8	0
	1730	"	1008·1	941·1	..	26·6	14 7	3·8	8·0	25	..	2·7	..	8·8	0	2	28	5	1	0	1	1	2	3	17	1	0
Dhanbad	0830	257	1012·8	983·5	..	23·3	16·1	10·3	12·5	45	..	1·5	..	1·3	0	0	12	0	3	1	1	0	1	3	1	19	2
	1730	"	1008·1	989·5	..	28·9	18·1	9·9	12·2	33	..	1·3	..	1·5	0	0	12	1	1	0	1	1	0	2	6	19	0
Ranchi	0830	655	1012·0	937.8	−1·0	16·9	12·7	9·2	11·6	60	+21	2·2	+0·6	1·3	0	0	20	4	2	4	0	2	0	0	8	11	0
	1730	"	1007·8	935.9	..	24·9	17·8	13·3	15·3	50	..	3·0	..	1·7	0	0	27	12	1	4	0	2	0	3	5	4	0
Ranchi Aerodrome	0530	652	1011·6	938·1	..	17·3	12.0	7·3	10·2	54	..	2·3	..	5·3	0	0	18	2	0	0	0	2	3	3	8	13	0
	0830	"	1012·7	940·1	..	21·9	13·8	6·8	9·9	39	..	2·2	..	7·9	0	3	18	7	0	0	0	3	1	3	7	10	0
	1130	"	1011·3	939·8	..	26·5	14·6	3·7	8·0	24	..	2·2	..	11·1	0	5	25	5	1	3	2	2	2	3	11	1	1
	1430	"	1007·8	937·2	..	28·3	15·1	3·0	7·6	22	..	2·5	..	14·7	0	7	21	4	0	2	0	1	1	4	14	3	2
	1730	"	1007·5	936·5	..	27·0	14·9	4·0	8·1	21	..	3·1	..	12·7	0	4	24	4	0	1	0	1	1	3	18	3	0
Jamshedpur	0830	129	1012·8	998·0	+0·9	22·6	16·5	11·8	13·8	51	−1	1·7	−0·1	1·8	0	0	21	2	1	2	1	0	1	4	10	10	0
	1730	"	1007·6	993.3	..	31·7	20·4	12·8	14·8	32	..	2·2	..	3·5	0	0	26	5	4	4	3	0	1	3	6	5	0
Jamsedpur P.R.O.	0530	142	1011·3	994·8	..	17·8	14·6	12·0	14·0	68	..	1·9	..	1·9	0	0	9	3	0	1	0	0	0	2	3	22	0
	0830	"	1013.2	997·0	..	23·9	16·8	11·3	13·4	46	..	2·1	..	3·9	0	0	22	0	1	2	0	1	3	10	5	9	0
	1130	"	1011·9	996·1	..	29·6	18·4	9·8	12·1	28	..	2.0	..	6·6	0	0	29	5	2	2	1	3	3	8	5	2	0

* Data available for less than 15 days hence no means published.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km.p.h.): 62 or more	20 to 61	1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bihar Plateau—*Contd.*																											
Jamshedpur (P.B.O.) (*Contd.*)	1430	142	1008·4	992·7	..	32·2	18·8	8·1	10·8	23	..	2·2	..	8·3	0	1	28	2	1	1	1	4	4	5	11	2	0
	1730	"	1007·9	992·2	..	30·8	18·4	8·5	11·1	26	..	2·6	..	6·3	0	1	26	2	6	4	1	0	3	3	8	4	0
	2330	"	1011·6	995·3	..	21·5	16·6	13·1	15·1	59	..	2·0	..	4·1	0	1	17	0	5	1	2	0	1	3	6	13	0
Chaibasa	0830	226	1013·0	987·2	+1·1	22·9	16·9	12·4	14·4	53	−5	2·7	+1·0	2·4	0	0	20	0	4	0	1	14	0	0	1	11	0
	1730	"	1007·7	982·5	..	30·3	18·3	9·5	11·9	27	..	2·9	..	2·8	0	0	18	0	4	0	1	0	7	0	6	13	0
Bihar Plains Motihari	0830	66	1013·1	1005·4	+2·1	21·3	16·1	12·0	14·0	57	+3	1·2	+0·2	3·3	0	0	30	1	7	5	3	3	2	5	4	1	0
	1730	"	1008·2	1007·7	..	27·1	22·9	20·7	24·4	68	..	0·8	..	1·3	0	0	10	0	1	1	0	0	1	5	2	21	0
Forbesganj	0830	61	1013·3	1006·3	..	20·7	15·8	12·0	14·0	57	..	1·8	..	6·1	0	0	30	0	1	19	1	0	0	7	2	1	0
	1730	"	1008·3	1001·4	..	20·7	18·2	11·1	13·2	38	..	1·5	..	4·6	0	1	27	0	1	3	1	0	1	17	5	3	0
Darbhanga	0830	49	1014·0	1008·5	+2·8	24·7	17·5	12·1	14·1	46	−8	1·1	−0·2	2·1	0	0	17	1	2	7	2	0	1	3	1	14	0
	1730	"	1009·3	1003.7	..	28·4	19·0	12·3	14·3	39	..	0·7	..	0·6	0	0	8	0	0	2	0	0	1	4	1	23	0
Chapra	0830	58	1013·0	1006·4	..	22·3	15·8	10·5	12·7	49	..	1·8	..	2·3	0	0	23	1	2	2	3	0	7	5	3	8	0
	1730	"	1008·9	1002·5	..	29·1	20·8	15·7	17·8	42	..	1·3	..	2·3	0	0	25	3	2	2	4	1	3	8	2	6	0
Purnea	0830	38	1013·3	1008·9	+1·7	21·0	15·7	11·5	13·6	55	−5	1·4	0	2·8	0	0	25	3	3	8	0	0	7	4	0	6	0
	1730	"	1008.5	1004·3	..	27·7	17·6	9·6	11·9	32	..	1·5	..	2·4	0	0	19	1	0	1	1	2	5	9	0	12	0
Patna	0830	53	1012·8	1006·7	+1·2	22·2	15·8	10·6	12·8	48	+2	1·9	+0·5	7·4	0	0	30	0	6	2	3	0	13	6	0	1	0
	1730	"	1008·5	1002·5	..	29·2	18·0	9·1	11·5	30	..	2·0	..	6·1	0	0	29	2	8	0	1	0	0	15	3	2	0
Patna Aerodrome	0530	60	1010·3	1003·3	..	16·6	13·1	10·0	12·3	66	..	2·0	..	4·2	0	0	19	0	1	3	2	1	7	3	2	12	0
	0830	"	1012·5	1005·7	..	22·6	15·5	9·5	11·9	44	..	2·0	..	8·1	0	1	27	0	1	3	5	0	11	7	1	3	0
	1130	"	1011·9	1002·2	..	28·8	17·2	7·3	10·2	28	..	2·1	..	11·2	0	8	19	0	1	4	2	1	5	8	6	4	0
	1430	"	1008·8	1002·1	..	30·9	17·5	5 7	9·1	21	..	2·3	..	15·3	0	8	22	1	1	2	3	0	4	9	10	1	0
	1730	"	1008·1	1001·4	..	29·2	17·0	6·2	9·5	24	..	2·1	..	8·5	0	2	28	1	5	2	1	0	0	9	12	1	0
	2330	"	1010·6	1003·7	..	20·4	14·8	10·0	12·3	52	..	1·3	..	6·8	1	2	10	0	0	2	3	0	1	4	3	18	0
Bhagalpur	0530	49	1011·1	1005·4	..	18·5	14·4	11·0	13·1	63	..	2·6	..	5·0	0	0	23	0	0	4	1	10	6	0	2	8	0
	0830	"	1013·6	1008·1	+2·0	23·7	17·2	12·3	14·3	50	−3	2·3	+0·6	5.6	0	1	26	0	1	7	2	3	5	7	2	4	0
	1130	"	1012·8	1007·4	..	29·6	19·2	11·8	13·8	34	..	2·7	..	8·0	0	2	25	1	2	4	4	1	1	9	5	4	0
	1730	"	1008·9	1003·4	..	28·1	18·5	11.1	13·2	37	..	2·2	..	4·6	0	1	2?	1	0	2	2	1	2	11	4	8	0
	2330	"	1011·4	1005·8	..	21·9	16·0	11·5	13·6	53	..	1·7	..	5·0	0	0	22	0	0	3	6	4	5	4	0	9	0
Sabaur	0830	37	1013·2	1008·9	+2·1	22·1	16·7	12·7	14·7	55	+5	2·1	+0·3	4·8	0	0	31	4	0	8	3	0	2	13	1	0	0
	1730	"	1008·5	1004·2	..	28·4	19·7	13·9	15·9	42	..	1·6	..	3·4	0	0	18	2	0	2	0	0	0	4	10	13	0
Jamui	0830	82	1012·5	1003·1	..	22·4	17·9	14·8	16·8	63	..	0·6	..	1·9	0	0	31	0	0	17	6	1	2	3	2	0	0
	1730	"	1009·5	1000·3	..	29·6	21·5	16·7	19·0	47	..	0.6	..	2.1	0	0	31	4	0	3	1	0	0	20	3	0	0
Dehri	0830	107	1012·9	1000·6	..	23·2	16·4	11·0	13·1	47	..	2.2	..	4·5	0	0	31	0	0	1	3	6	15	5	1	0	0
	1730	"	1008·8	996·8	..	30·2	17·3	5·9	9·3	21	..	2·1	..	5·0	0	0	30	1	2	1	0	0	1	16	9	1	0
Gaya	0230	116	1010·9	997·3	..	17·6	12·5	8·2	10·9	55	..	1·2	..	5·3	0	1	22	0	0	1	10	8	2	1	1	8	0
	0530	"	1011·2	997·5	..	16·1	12·3	8·7	11·2	61	..	1.6	..	6·5	0	0	30	1	1	3	11	9	5	0	0	1	0
	0830	"	1013·2	999·9	..	23·3	15·8	9·5	11·9	43	+10	2·0	+0·6	10·3	0	2	29	0	1	2	3	6	14	4	1	0	0
	1130	"	1012·3	999·2	+1·6	29·9	18·0	8·3	10·9	27	..	2·1	..	13.7	0	9	21	3	2	4	1	1	2	11	6	1	0
	1730	"	1008.6	995·6	..	31·1	17·5	5.4	8·9	24	..	2·4	..	14.0	0	7	24	3	4	3	0	0	1	6	14	0	0
	2330	"	1011·3	997·9	..	20·6	14·1	8·1	10·8	47	..	1·1	..	7·2	0	3	21	1	2	1	8	6	3	2	1	7	0
Uttar Pradesh East Kheri	0830	147																									
	1730	"																									
Baharaich	0830	124	1012·6	998·2	+1·6	19·[illegible]	14·9	11·1	13·2	60	+4	1·9	+0·7	6·6	0	0	25	0	0	8	0	0	0	15	2	6	0
	1730	"	1008·7	994·7	..	28·1	17·8	9·6	12.0	33	..	2·3	..	6.6	0	1	26	1	1	2	1	0	1	20	1	4	0
Gauranwa	0830	99	1011·7	1000·5	..	19·1	14·3	10·2	12·4	57	..	1·6	..	..	0	..	..	..	..	..	..	..	..	..	..	..	..
	1730	"	1008·4	997.3	..	28·3	17·2	7·6	10·4	28	..	1·7	..	..	0	..	..	..	..	..	..	..	..	..	..	..	..
Hardoi	0830	142	1012·8	996·2	+0·9	19·8	14·8	9·5	11·9	53	−7	1·2	−0·5	3·7	0	0	30	3	1	5	3	3	1	12	2	1	0
	1730	"	(a) 1008·8	(a) 992·8	..	(a) 28·7	(a) 17·6	(a) 8·1	10·8	(a) 28	..	(a) 1.2	..	(a) 4·5	0	1	27	2	3	1	3	0	0	13	6	2	0
Gonda	0830	110	1012·9	1000·2	..	21·3	15·3	10·3	12·5	51	+3	1·4	0	3·3	0	0	25	1	0	7	0	0	0	6	11	6	0
	1730	"	1008·4	996·4	..	28·2	17·5	9·1	11·5	30	..	1·5	..	2·8	0	0	19	0	0	2	0	0	0	4	13	12	0
Lucknow	0830	111	1011·2	998·7	+0·1	19·8	14·9	10·6	12·7	56	+8	1·7	+0·3	1·7	0	0	23	0	3	0	1	0	1	15	2	8	1
	1730	.	1008.4	996·4	..	28·9	17·2	6·7	9·8	26	..	1·1	..	2·1	0	0	27	1	1	0	2	1	3	17	2	4	0
Lucknow (Amausi)	0230	128	1010·3	995·3	..	15·9	11·7	7·4	10·5	58	..	1·1	..	4·2	0	2	19	2	0	1	1	4	3	8	5	10	0
	0530	"	1010·6	995·5	..	14·1	10·9	7·6	10·4	66	..	1·5	..	3·4	0	0	20	4	4	1	1	0	2	4	4	11	0
	0830	"	1012·5	997·7	+0·9	20·8	14·0	7·5	10·5	44	+5	1·8	+0·4	7·0	0	2	27	2	2	2	1	2	1	8	11	2	0
	1130	"	1002.1	997·8	..	28·5	16·1	3·8	8.2	22	..	1·9	..	12·4	0	8	22	0	2	4	2	2	5	5	9	1	1
	1430	"	1009·3	995.1	..	30.1	16·6	2·4	7·3	19	..	1.9	..	15·0	0	11	19	4	0	0	4	2	1	8	11	1	0

(R) Register not received.

(a) Mean of 30 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Uttar Pradesh East —*Contd.*																											
Lucknow (Amausi)—(*Contd.*)	1730	128	1008·4	994·1	..	28·9	16·2	3·3	7·7	22	..	2·0	..	9·5	0	1	22	1	3	3	2	0	1	8	5	8	0
	2030	,,	1010·5	995·8	..	21·4	14·4	7·9	10·8	42	..	0·9	..	5·4	0	1	21	0	3	2	1	1	1	10	4	9	0
	2330	,,	1011·0	996·2	..	18·5	12·9	7·3	10·4	50	..	0·9	..	4·5	0	1	21	3	2	1	2	1	0	5	8	9	0
Faizabad	0830	102	1012·4	1000·6	..	20·4	14·8	9·8	12·1	52	..	2·3	..	4·3	0	0	26	0	1	0	7	0	3	12	3	5	0
	1730	,,	1008·4	998·5	..	27·9	18·1	10·1	12·3	34	..	2·0	..	2·8	0	0	17	0	0	0	3	1	0	11	2	14	0
Gorakhpur	0830	77	1012·0	1003·5	+1·3	22·3	15·6	10·1	12·3	47	−5	1·5	+0·4	2·5	0	0	26	3	0	7	1	0	2	12	1	5	0
	1730	,,	1009·0	1000·2	..	29·5	18·1	8·9	11·4	30	..	1·8	..	3·0	0	0	30	1	0	1	2	1	2	23	0	1	0
Gorakhpur (P.B.O.)	0230	78	(c) 1009·7	1000·7	..	(c) 20·0	(c) 14·6	(c) 10·6	12·8	(c) 57	..	0·7	..	2·6	0	0	15	3	2	1	2	0	2	4	1	16	0
	0530	,,	(c) 1010·3	1001·5	..	(c) 18·4	(c) 14·1	(c) 10·8	12·9	(c) 62	..	1·3	..	2·3	0	0	15	3	1	2	0	0	1	4	4	16	0
	1130	,,	(c) 1012·0	1003·3	..	(c) 28·0	(c) 17·5	(c) 10·7	12·9	(c) 36	..	1·6	..	6·3	0	0	27	1	0	5	2	5	0	10	4	4	0
	1430	,,	(c) 1009·0	1000·3	..	(c) 30·4	17·8	(c) 9·3	11·7	(c) 29	..	1·7	..	7·0	0	1	25	1	1	1	7	3	1	8	4	5	0
	2030	,,	(c) 1010·6	1001·2	..	(c) 24·5	16·8	10·7	12·9	(c) 42	..	0·4	..	1·9	0	1	8	1	0	1	2	1	0	2	2	22	0
	2330	,,	(c) 1010·7	1001·6	..	(c) 22·3	15·7	(c) 11·1	13·2	(c) 52	..	1·1	..	2·7	0	1	11	2	3	0	2	1	0	3	1	19	0
Kanpur	0830	126	1011·8	997.1	0	18·3	13·6	9·4	11·8	57	+12	1·6	+0·8	4·4	0	0	25	4	0	5	0	3	2	10	1	6	0
	1730	,,	1008·0	993·9	..	30·2	18·0	7·6	10.4	25	..	1·5	..	8·7	0	2	26	3	0	3	1	2	0	18	1	3	0
Kanpur (Aerodrome)	0530	126	1010·7	995·8	..	15·8	11·6	7·2	10·1	58	..	1·6	..	6·1	0	0	24	5	2	1	1	3	1	7	4	7	0
	0830	,,	1012·6	998·1	..	21·1	14·1	7·1	10·1	41	+6	2·3	..	12·0	0	2	28	5	3	1	4	3	3	10	1	1	0
	1130	,,	1012·4	998·3	..	29·7	16·4	3·1	7·6	23	..	1·9	..	15·5	0	5	25	2	1	2	6	2	4	7	6	1	0
	1730	,,	1008.5	994·5	..	29·9	16·0	1·9	7·0	18	..	2·0	..	14·3	0	1	30	1	4	2	2	2	1	7	12	0	0
	2330	,,	1011·4	996·5	..	20·2	13·7	7·2	10·1	45	..	1·2	..	8·0	0	2	22	5	3	2	1	2	1	5	5	7	0
Sultanpur	0830	97	1013.3	1002·0	..	20·6	14.7	9·4	11·8	49	..	2·1	..	3·7	0	0	27	0	2	0	6	0	7	9	3	4	0
	1730	,,	1008·8	998·0	..	30·2	18·2	8·3	10·9	27	..	2·0	..	3·0	0	0	28	0	1	5	2	0	0	14	6	3	0
Azamgarh	0830	78	1012·7	1003·7	..	21·0	16·0	12·0	14·0	58	..	1·7	..	5·8	0	0	31	1	0	6	0	3	0	21	0	0	0
	1730	,,	1008.5	999·8	..	29·5	20·5	14·5	16 5	42	..	1·5	..	6·3	0	0	31	2	0	5	0	0	0	23	1	0	0
Fatehpur	0830	114	1012·8	999·6	..	21·8	15·3	9·7	12·0	47	−5	1·8	+0·5	7·0	0	0	28	1	1	5	3	1	9	5	3	3	0
	1730	,,	1008·6	995·8	..	30·2	19·1	10·7	12·9	31	..	1·5	..	10·1	0	3	27	5	3	3	0	2	0	1	16	1	0
Ballia	0830	64	1013·5	1006.0	..	23·1	17·1	12·5	14·5	52	..	1·9	..	2·5	0	0	24	0	3	4	1	0	1	11	4	7	0
	1730	,,	1009·5	1002·4	..	29·7	20·5	14·4	16·4	43	..	2·1	..	1·6	0	0	20	0	2	4	2	0	0	6	6	11	0
Banda	0830	121	1013·1	999·5	..	23·9	15·3	7·3	10·2	37	..	1·6	..	1·2	0	0	12	0	0	0	4	1	3	0	4	19	0
	1730	,,	1008·8	996·6	..	31 2	17·8	5·7	9·1	22	..	(a) 1.5	..	(a) 2·0	0	0	25	0	2	0	5	0	2	0	16	5	0
Allahabad (Bamhrauli)	0230	98	1010·4	999·0	..	17·9	13·3	9·1	11·5	57	..	1·2	..	1·7	0	0	15	2	0	3	1	1	1	3	4	16	0
	0530	,,	1010·8	999·3	..	16·4	12·7	9·2	11·6	61	..	2·0	..	2·3	0	0	13	2	1	2	0	0	2	3	3	18	0
	0830	,,	1012·9	1001·6	+1·1	21·5	14·9	8·8	11·3	45	+1	2·2	+0·6	3·0	0	0	20	1	2	3	1	4	5	4	0	11	0
	1130	,,	1012.6	1001·6	..	29·8	17·9	7·8	10·6	28	..	1·9	..	6·2	0	0	31	2	2	4	3	3	3	8	5	0	1
	1430	,,	1009·6	998·7	..	31·7	18·9	8·1	10·8	25	..	2·2	..	8·1	0	3	27	2	2	2	1	1	2	15	5	1	0
	1730	,,	1008·5	997·8	..	30·4	18·4	8·5	11·1	28	..	2·1	..	4·7	0	0	29	6	3	2	0	0	1	6	11	2	0
	2030	,,	1010·4	999·2	..	23·6	16·2	10·0	12·4	44	..	1·6	..	2·5	0	0	15	2	4	3	0	1	0	2	3	16	0
	2330	,,	1011·2	999·9	..	20·5	14·7	9·2	11·6	51	..	1·5	..	1·4	0	0	13	1	2	2	2	0	0	2	4	18	0
Varanasi (Babatpur)	0530	85	1011·2	1001·5	..	18·5	13·5	8·8	11·3	53	..	1·6	..	4·3	0	1	18	1	1	0	1	0	9	7	0	12	0
	0830	,,	1013·7	1003·8	+1·6	22·3	15·4	9·1	11·5	45	0	2·0	+0·4	7·6	0	0	24	1	0	4	0	2	10	6	1	7	0
	1130	,,	1013·4	1003·2	..	28·5	18·0	9·7	12·0	32	..	1·8	..	12·0	0	2	26	1	1	4	1	1	5	13	1	3	1
	1730	,,	1009·4	999·8	..	29·9	17·7	6·7	9·8	26	..	1·9	..	11·1	0	2	26	1	1	1	1	0	1	19	3	3	1
	2330	,,	1011·9	1002·0	..	22·5	15·5	9·4	11.8	45	..	1·6	..	5·1	0	0	19	0	2	2	1	1	5	8	0	12	0
Varanasi	0830	76	1012·6	1003·9	+1·0	21·7	15.4	9.9	12·2	48	0	2·0	+0·6	2·2	0	0	30	0	3	3	3	0	5	15	1	1	0
	1730	,,	1008·2	999·6	..	29·8	17·9	7·2	10·2	28	..	2·3	..	2·3	0	0	30	2	3	0	2	1	0	18	4	1	0
Uttar Pradesh West																											
Mukhim	0830	..	..	..	..	10·5	6·1	0·8	6·5	53	..	2·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	11·7	6·7	1·1	6·6	51	..	4·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tehri	0830	..	..	..	..	12·4	10·3	8·5	11·1	88	..	2·7	..	0·7	0	0	6	2	1	0	0	0	0	1	2	25	0
	1130	..	..	..	..	19·2	12·7	6 7	9·9	46	..	2·8	..	2·3	0	0	20	5	2	3	0	1	2	2	4	11	1
	1730	..	..	..	..	22·5	13·5	4·9	8·9	36	..	3·3	..	5·7	0	1	26	2	3	1	2	7	6	5	1	4	0
Dehra Dun	0530	682	1011·7	933·6	..	13.0	10·1	7.3	10.2	70	..	2.8	..	1·4	0	0	11	4	3	1	1	0	0	0	2	20	0
	0830	,,	1012·6	935·3	+0.7	16.2	11.9	8.0	10.7	60	+2	2.4	−0·4	1·0	0	0	8	2	1	0	0	2	2	1	0	23	0
	1130	,,	1012·1	935·8	..	22·0	14 1	7 6	10·4	42	..	2.8	..	1·3	0	0	15	0	0	2	3	3	5	2	0	16	0
	1730	,,	1008·6	933·1	..	22·8	14·7	7·9	10·7	41	..	3·0	..	2·7	0	0	24	2	0	0	1	4	3	10	4	7	0
	2330	,,	1012·3	934·9	..	15·7	11 7	8·2	10·9	62	..	2·0	..	0·8	0	0	7	4	3	0	0	0	0	0	0	24	0
Mussoorie	0830	..	..	..	..	8·9	3·4	0·3	6.2	67	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	7·5	3.8	−1·0	5·6	55	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

(c) Mean of 30 days. (a) Mean of 28 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (km. p.h.): 62 or more	Wind speed (km. p.h.): 20 to 61	Wind speed (km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Uttar Pradesh West—Contd.																											
Roorkee	0830	274	1013·4	981.5	+1.4	16.6	12.6	8.9	11.4	61	0	2.8	+0.9	0.4	0	0	7	0	0	0	2	0	0	0	5	24	0
	1730	,,	1010·4	979.6	..	26.0	15.9	6.7	9.8	31	..	3.2	..	1.7	0	0	28	0	0	0	3	0	0	0	20	8	0
Najibabad	0830	270	1013.2	981.8	..	16.7	12.9	9.3	11.7	63	..	2.5	..	4.0	0	1	18	1	1	8	2	0	0	4	3	12	0
	1730	,,	1009.6	979.3	..	26.0	16.1	7.1	10.1	32	..	3.0	..	7.0	0	2	28	0	1	5	3	0	0	17	4	1	0
Meerut	0830	222	1013.4	987.4	+1·3	20.0	14.5	9.6	12.0	52	—5	0.8	—1.0	4.1	0	0	24	1	0	1	5	0	0	10	4	10	0
Bareilly	0830	173	1012.4	992.3	+1.0	18.5	15.4	13.1	15.0	71	+11	1.8	0	4.5	0	1	27	0	1	5	2	1	4	8	7	3	0
	1730	,,	1008.6	989.1	..	26.9	19.9	15.2	17.2	52	..	2.5	..	3.2	0	0	26	0	1	5	0	0	0	13	7	5	0
Bareilly P.B.O.	0280	172	1010.2	990.1	..	18.1	13.3	9.3	11.7	57	..	0.6	..	3.8	0	0	25	0	2	6	2	1	0	12	2	6	0
	0530	,,	1010·3	990.1	..	16.5	12.6	9.5	11.9	64	..	1.6	..	4.1	0	0	27	0	2	7	1	1	2	9	5	4	0
	1130	,,	1012.4	992.7	..	24.9	16.0	9.4	11.8	38	..	2.2	..	6.3	0	0	29	0	3	2	6	1	0	11	6	2	0
	1430	,,	1009.6	990.1	..	28.0	16.3	7.3	10.6	28	..	2.2	..	7.0	0	1	28	4	0	2	3	0	2	11	7	2	0
	2030	,,	1010.4	990.6	..	22.2	15.1	9.7	12.0	47	..	1.2	..	4.4	0	1	25	4	2	3	0	1	2	11	3	5	0
	2330	,,	1011.1	991.4	..	20.6	14.2	9.7	12.0	52	..	0.8	..	5.2	0	0	28	0	2	3	1	1	0	14	2	8	0
Aligarh	0830	187	1012.6	990.5	..	18.5	13.5	8.9	11.5	55	+8	1.9	+0.5	3.2	0	0	29	5	0	3	1	4	4	10	2	2	0
	1730	,,	1009.1	987.6	..	28.3	16.7	6.3	9.5	25	..	2.2	..	3.3	0	0	28	6	0	3	0	3	2	11	3	3	0
Mainpuri	0830	157	1012.1	993.9	+0.3	19.8	14.5	9.7	11.6	53	+5	1.2	—0.4	2.4	0	0	15	0	0	4	1	0	2	4	4	16	0
	1730	,,	1008.4	990.8	..	29.2	17.5	7.6	10.4	27	..	1.5	..	5.5	0	1	24	0	0	1	5	0	2	11	6	6	0
Agra	0830	169	1013.2	993.7	+1.0	20.4	14.0	8.1	10.8	45	+2	1.3	—0.4	1.4	0	0	5	0	0	0	1	0	1	0	3	26	0
	1730	,,	1009.1	990.2	..	29.4	17.1	6.4	9.6	25	..	1.1	..	0.8	0	0	3	0	0	0	1	0	0	0	2	28	0
Agra (Aerodrome)	0530	169	1010.8	991.0	..	14.1	11.6	8.8	11.3	72	..	1.2	..	6.1	0	0	21	2	2	2	2	2	1	3	6	10	1
	0830	,,	1012.8	993.2	..	19.2	14.2	9.5	11.9	52	..	0.2	..	9.1	0	3	25	5	2	0	3	2	4	6	6	3	0
	1130	,,	1012.5	993.5	..	27.6	17.1	8.1	10.8	30	..	1.7	..	11.7	0	2	26	5	0	3	2	4	4	3	7	3	0
	1730	,,	1008.4	989.8	..	28.9	17.3	7.3	10.2	26	..	1.9	..	14.7	0	11	17	7	3	0	3	1	0	5	9	3	0
	2330	,,	1011.0	991.7	..	18.6	14.0	10.1	12.4	60	..	1.5	..	6.9	0	3	15	2	3	1	5	1	1	1	4	13	0
Orai	0830	141	1013.0	996.9	..	23.4	17.2	12.4	14.4	51	..	1.4	..	2.5	0	0	31	3	10	1	2	0	5	3	7	0	0
	1730	,,	1009.2	993.8	..	30.4	20.3	13.0	15.0	37	..	0.8	..	2.3	0	0	31	3	4	1	3	1	0	0	19	0	0
Jhansi	0830	251	1012.8	983.7	—0.2	20.0	13.4	6.2	9.5	42	+5	1.3	+0·2	1.0	0	0	11	1	0	3	0	1	2	3	1	20	0
	1730	,,	1008.4	980.7	..	30.8	17.2	4.3	8.3	20	..	1.5	..	1.7	0	0	16	4	0	5	0	3	0	2	2	15	0
Punjab (Including Delhi) Pathankot	0530	312	1011.5	975.1	..	14.1	11.1	8.0	10.7	69	..	3·0	..	5.7	0	1	19	6	7	4	2	1	0	0	0	11	0
	0830	,,	1012.5	976.6	+0·8	16.9	12.3	7.6	10.4	57	+1	3.6	—0·1	5.9	0	3	15	3	7	4	2	0	1	1	0	13	0
	1130	,,	1012.6	977.7	..	23.2	14.8	6.9	9.9	37	..	3.4	..	8.8	0	2	25	5	3	3	2	8	2	2	2	4	0
	1730	,,	1009.7	974.5	..	24.1	15.1	6.5	9.6	35	..	3.8	..	9.5	0	1	27	4	2	0	1	1	6	12	2	3	0
	2330	,,	1012.4	976.2	..	16.5	12.7	8.9	11.4	64	..	3.2	..	5.6	0	1	15	4	6	3	0	3	0	0	0	15	0
Bhuntar	0830	1067	1508.9	893.7	..	8.8	6.7	4.6	8.5	76	..	2.5	..	4.4	0	2	20	13	3	0	3	1	0	0	2	9	0
	1130	,,	1510.8	892.9	..	15.2	9.7	4.0	8.1	49	..	3.6	..	6.3	0	1	28	3	6	2	8	5	1	0	2	2	2
	1730	,,	1482.3	889.8	..	16.6	10.6	4.6	8.5	48	..	4.1	..	10.6	0	6	21	3	1	0	4	5	4	0	7	4	3
Amritsar (Rajasansi)	0530	234	1011.4	983.6	..	11.7	10.2	8.7	11.2	82	..	2.6	..	6.2	0	0	24	4	4	10	1	0	0	1	4	7	0
	0830	,,	1012.7	985.3	+0·3	15.5	12.5	9.7	12.0	69	—4	3.2	0	6.1	0	2	19	3	5	6	3	0	0	0	4	10	0
	1130	,,	1012.7	986.0	..	23.7	16.1	9.7	12.0	43	..	2.8	..	10.3	0	4	24	4	2	7	4	1	0	3	7	3	0
	1430	,,	1010.4	983.7	..	26.4	16.5	7.8	10.6	33	..	3.4	..	11.2 (c)	0	1	27	4	0	2	6	2	2	2	10	3	0
	1730	,,	1009.5	983.0	..	25.2	16.3	8.5	11.1	37	..	3.3	..	10.1	0	2	23	1	0	4	1	3	2	1	13	6	0
	2030	,,	1011.3	984.2	..	17.7	13.8	10.3	12.5	63	..	2.7	..	6.2	0	1	16	1	2	4	0	0	2	5	3	14	0
Adampur (Aerodrome)	0830	249	1012·8	983·6	..	15.2	13.0	10.8	13.0	76	..	3.6	..	5.2	0	1	14	3	1	5	4	0	0	0	2	16	0
	1730	,,	1009·9	981.6	..	23.6	16.7	11.2	13.3	46	..	3.2	..	14.5	0	4	26	1	0	2	2	5	0	3	17	1	0
Ludhiana	0830	247	1012·4	983·7	+0.4	17.2	13.2	9.5	11.9	62	+1	2.8	+0.6	3.1	0	0	29	1	8	3	3	1	2	5	6	2	0
	1730	,,	1009·3	981·3	..	25.5	16.6	9.3	11.7	38	..	2.2	..	3.6	0	0	31	1	5	0	6	2	3	0	14	0	0
Ferozepore	0830	200	1013·0	989·5	..	16.7	13.6	10.9	13.0	69	..	1.2	..	1.9	0	0	24	4	8	3	3	1	0	0	5	7	0
	1730	,,	1009.9	987.2	..	25.7	19.3	14.8	16.8	55	..	2·4	..	2.5	0	0	25	8	3	1	0	2	0	1	10	6	0
Halwara (Aerodrome)	0830	242	1012·2	984.2	..	16.2	13.2	10.5	12.6	71	..	2.9	..	8.3	0	1	25	6	1	1	5	4	1	2	6	5	0
	1730	,,	1009·5	982·4	..	24.7	16.8	10.2	12.4	42	..	2.9	..	10.4	0	1	28	4	0	3	4	3	0	4	11	2	0
Chandigarh	0830	347	1011·9	971.7	0	19.1	12.7	6.3	9.5	46	—6	1.5	0	2.2	0	0	15	0	0	0	4	0	0	0	11	16	0
	1730	,,	1008·8	969.1	..	24.1	15.9	9.3	11.7	42	..	2.2	..	3.0	0	0	29	0	0	0	5	0	2	0	22	2	0
Ambala	0830	272	1011·9	980·4	+0.2	16.5	11.8	7.2	10.2	56	0	1.9	—0.4	0.9	0	0	7	0	1	0	2	0	0	2	2	24	0
	1730	,,	1009·7	978·6	..	24.0	15.7	8.3	10.9	40	..	1·6	..	2.7	0	0	24	0	4	0	13	0	2	0	5	7	0
Ambala (P.B.O.)	0230	278	1010.7	978·3	..	17.0	12.4	9.0	11.5	60	..	1.5	..	7.0	0	0	25	3	1	2	6	0	0	1	12	6	0
	0530	,,	1010·4	978·0	..	15.4	11.6	8.0	10.7	65	..	2.1	..	7·0	0	1	21	2	0	2	4	0	1	5	8	9	0
	1130	,,	1012·1	980·1	..	24.1	15.5	9.4	11.8	39	..	2.7	..	10.5	0	5	20	2	2	0	9	1	0	2	9	6	0
	1430	,,	1009·7	978·5	..	25.8	15.5	7.4	10.3	33	..	3.0	..	12.6	0	5	26	2	2	1	5	2	0	7	12	0	0

(c) Mean of 24 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Punjab (Including Delhi)—*Contd.*																											
Ambala P. B.O. (*Contd.*)	2030	278	1010·4	978·6	..	21·2	14·3	9·2	11·6	48	..	1·7	..	8.3	0	1	27	1	3	1	3	0	2	4	14	3	0
	2330	,,	1011.2	979·1	..	18·8	13·4	8·9	11·4	55	..	1·5	..	7·5	0	1	24	3	1	4	3	0	0	2	12	6	0
Ambala (Aerodrome)	0530	274	1010.9	978·5	..	12.6	10·9	9·1	11·5	80	..	2·0	..	6·0	0	3	8	0	1	0	5	0	0	1	4	20	0
	0830	,,	1012.3	980·3	..	16·4	12·8	9·5	11·9	65	..	2·6	..	7·1	0	4	13	1	0	0	8	0	0	1	7	14	0
	1130	,,	1012·1	981·0	..	24.2	15·7	8·4	11.0	38	..	1·0	..	15·1	0	10	15	1	0	2	8	2	0	1	11	6	0
	1730	,,	1009·1	978·1	..	24.7	15·8	7.8	10·6	38	..	3·1	..	16·0	0	9	16	1	0	1	4	2	1	4	12	6	0
	2330	,,	1011.5	979·3	..	16·0	12·7	9·7	12·0	67	..	1·3	..	4·7	0	2	9	0	0	3	3	1	0	0	4	20	0
Patiala	0830	251	1013·0	983·5	..	17·5	13·2	9·3	11·7	59	..	2·6	..	8·5	0	2	26	1	1	0	9	0	0	0	17	3	0
	1730	,,	1010.6	981·7	..	24·9	16·0	8·0	10·7	37	..	2·7	..	9·0	0	0	23	1	0	0	7	0	0	0	15	8	0
Bhatinda	0830	211	1012.6	988·2	..	22·2	16·0	10·9	13·0	51	..	0·9	..	3·2	0	1	19	0	4	0	10	0	0	0	6	11	0
	1730	,,	1009·4	985·6	..	26·7	18·1	11·3	13·4	43	..	1·6	..	5·0	0	0	23	0	5	0	5	0	0	1	12	8	0
Karnal	0830	249	1011.7	983.6	..	21.5	15.6	10·8	13·0	51	..	0·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1008.9	980.8	..	25.6	17.0	9.7	12·0	40	..	0.9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hissar	0530	221	1011.1	985.1	..	14.5	13.1	11.7	13.7	84	..	1.3	..	3.0	0	0	27	4	3	2	6	4	3	3	2	4	0
	0830	,,	1013.0	987·4	+0.7	16.8	14.5	12·4	14·4	76	+25	1·6	−0·1	3·6	0	0	27	4	0	2	3	4	6	2	6	4	0
	1130	,,	1012.4	987.5	..	26.3	20.8	17.3	19.7	60	..	1.7	..	6·0	0	0	29	4	1	6	4	6	1	4	3	2	0
	1730	,,	1009.4	984.6	..	27.7	21.4	18·0	20.6	59	..	2·1	..	5·6	0	0	31	10	3	2	0	5	3	1	7	0	0
	2330	,,	1011.6	986·3	..	18·2	15.6	18·6	15·6	76	..	0·8	..	3·4	0	0	26	4	6	4	1	4	1	3	3	5	0
New Delhi (Safdarjung)	0230	216	1011·0	985.8	..	17·3	13·3	9·6	11·0	62	..	1·2	..	4·1	0	0	19	4	0	2	1	1	1	5	5	12	0
	0530	,,	1010·9	985·6	..	15·9	12·3	8·8	11·3	64	..	1·2	..	5·2	0	1	20	1	0	2	2	1	4	7	4	10	0
	0830	,,	1012·6	987·5	+0·5	18·2	13·3	8·6	11·2	55	+7	1·8	−0·4	7·5	0	0	28	0	1	3	3	1	6	8	6	3	0
	1130	,,	1012.5	988·1	..	26.5	16.3	7·0	10·0	31	..	1·8	..	12·4	0	7	22	1	0	1	5	4	2	8	8	2	0
	1430	,,	1009.8	985·6	..	28.7	16·9	6·0	9·3	25	..	2.1	..	14·3	0	9	21	1	1	2	1	3	4	7	11	1	0
	1730	,,	1008·7	984·5	..	27·9	16·5	6.0	9·3	27	..	2.0	..	13·2	0	5	26	3	3	2	2	1	1	5	14	0	0
	2030	,,	1010·5	985·7	..	22·4	15·5	9·7	12.0	46	..	1·2	..	6·1	0	6	18	5	3	3	2	1	0	4	6	7	0
	2330	,,	1011·4	986.3	..	19·4	14·3	9·7	12·0	55	..	1·2	..	5·4	0	2	18	5	2	4	1	1	0	4	3	11	0
Palam (Aerodrome)	0230	233	1011·4	985·0	..	17·0	12·7	8·1	10·5	56	..	1·0	..	4.5	0	1	17	0	4	1	6	2	1	2	1	13	1
	0530	,,	1010·9	983·9	..	14·7	11.1	7·6	10·4	63	..	1.3	..	5·2	0	0	20	1	0	2	7	1	4	4	1	11	0
	0830	,,	1012·7	986·4	..	17·5	13·1	9·1	11·5	56	..	1.6	..	5·6	0	0	23	1	1	0	5	3	4	7	2	8	0
	1130	,,	1012·7	987·1	..	26·3	16·4	7·6	10·4	32	..	1·6	..	10·2	0	2	26	4	1	1	0	5	4	5	8	3	0
*	1430	,,																									
	1730	,,	1008·9	985·1	..	28·2	16·5	5·5	9·0	25	..	1.9	..	10·8	0	1	30	9	2	0	3	3	0	4	10	0	0
*	2030	,,																									
	2330	,,	1011·8	985·4	..	18.8	13·4	8.5	11·0	53	..	0·8	..	6·9	0	2	19	1	6	4	7	1	0	2	0	10	0
Himachal Pradesh																											
Mandi	0830	761	1016·9	929·4	+2·1	11·2	9·1	7·1	10·1	77	−3	2·2	−1·8	0·2	0	0	1	0	0	0	0	0	1	0	0	30	0
	1730	,,	1011·5	926·3	..	21·8	12·8	4·1	8·2	35	..	3.8	..	0·9	0	0	6	0	0	0	0	0	6	0	0	25	0
Bilaspur	0830	587	1014·8	947·8	..	15·7	11·2	7·6	10·4	61	..	0·5	..	0·4	0	0	3	0	0	2	0	0	0	1	0	28	0
	1730	,,	1009·7	944·8	..	23·4	14·3	6·2	9.5	35	..	0·7	..	2·6	0	1	22	0	2	1	5	2	8	3	2	3	0
Jammu and Kashmir																											
Misgar (R)	0830	..																									
(R)	1730	..																									
Gilgit (R)	0830	..																									
(R)	1730	..																									
Skardu (R)	0830	..																									
(R)	1730	..																									
Leh	0530	3514	..	..	..	−6 8	−9.3	−16·2	1·5	42	..	3 9	..	5·1	0	0	26	10	14	0	0	0	2	0	0	5	0
	0830	,,	..	..	..	−2·3	−5·3	−11·2	2·3	46	−8	3.9	−0.1	3·2	0	0	23	0	1	0	0	16	6	0	0	8	0
	1730	,,	..	..	..	1·5	−2·8	−10·6	2·5	42	..	5·1	..	(b) 4·9	0	0	29	0	1	0	6	10	12	0	0	0	0
Srinagar	0830	1587	1522·4	843·5	+0·6	4·8	4·0	3·0	7·6	87	+4	5·7	+0·8	2·8	0	0	19	1	0	3	6	2	0	0	7	12	0
	1130	,,	1522·9	843·7	..	9.2	6·5	3·6	7·9	69	..	5·3	..	3·7	0	0	27	2	1	1	6	1	1	1	14	4	0
	1430	,,	1507·0	842·1	..	11·6	7·4	3·0	7·6	58	..	4·8	..	5·8	0	0	31	3	1	0	4	3	1	3	16	0	0
	1730	,,	1502·0	841·2	..	11·0	6·8	2·3	7·3	58	..	5·2	..	5·1	0	0	27	3	1	1	3	0	0	3	16	4	0
	2030	,,	1508·2	842·1	..	8·2	5·9	3·4	7·8	73	..	4·3	..	4·0	0	0	15	3	1	0	2	0	1	0	8	16	0
Srinagar (Aerodrome)	0530	1666	1507·3	834·0	..	3·3	2·3	1·1	6·6	84	..	4·7	..	3.1	0	1	8	1	0	0	2	0	0	1	5	22	0
	0830	,,	1517·7	835·1	..	4·9	3·5	1·9	7·0	81	..	5·7	..	3.2	0	0	14	0	0	0	2	5	1	0	6	17	0
	1130	,,	1518·3	835·6	..	8.8	6·0	3·1	7·6	68	..	5.5	..	4·8	0	1	19	3	5	2	1	1	1	0	7	11	0
	1730	,,	1493·5	833·0	..	10·8	7.0	3·2	7.7	61	..	5·5	..	9·0	0	4	21	4	0	0	3	1	1	0	16	6	0
	2330	,,	1509·8	834·4	..	5·6	4·0	2·1	7·1	77	..	4.0	..	2·7	0	0	10	1	0	0	0	2	0	1	6	21	0
Gulmarg	0830	2655						Closed during winter months																			
	1730	,,						Closed during winter months																			

(R) Register not received. (b) Mean of 29 days. *Data not available.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal.	Mean wind speed Km. per hour.	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Jammu & Kashmir —*Contd.*																											
Qazigund . .	0830	1690	..	..	..	4·9	3.4	1·3	6·7	79	..	5·4	..	1·1	0	0	15	0	2	0	7	1	1	3	1	16	0
	1730	,,	..	..	..	10·6	6·8	2·7	7·4	60	..	5·3	..	3·9	0	0	26	0	1	1	3	3	13	5	0	5	0
Banihal . .	0830	..	..	..	..	7·0	4·4	1·1	6·6	69	..	4·2	..	3·4	0	1	7	0	0	0	0	1	0	0	7	23	0
	1730	..	..	..	..	12·0	6·4	−0·4	5·9	48	..	5·0	..	5·5	0	0	18	0	1	0	1	1	0	0	15	13	0
Jammu . . .	0830	366	..	..	..	16·0	12·5	8·8	11.3	63	+11	3·3	+0·7	8·3	0	0	29	3	7	2	0	0	1	0	1	2	15
	1730	,,	..	..	..	24·0	15·5	7·8	10·6	39	..	0·8	..	6·0	0	0	26	1	0	0	0	0	0	1	0	5	24
Jammu (Aerodrome)	0530	292	1011·7	977·3	..	14·6	11·7	8·7	11·2	69	..	3·2	..	5·0	0	1	16	1	14	2	0	0	0	0	0	14	0
	0830	,,	1012·6	978·5	..	16·7	12·4	8·0	10·7	58	..	4·0	..	3·2	0	0	19	4	12	1	1	1	0	0	0	12	0
	1130	,,	1012·8	979·2	..	22·8	15·4	8·5	11·1	42	..	3.5	..	7·2	0	3	15	0	1	1	5	2	1	4	4	13	0
	1730	,,	1009·7	976·3	..	24·1	16·4	14·5	16·5	43	..	3·8	..	9·0	0	2	23	2	1	1	4	2	4	10	1	6	0
	2330	,,	1011·7	978·0	..	17.5	13·1	9·0	11·5	59	..	·7	..	6·8	0	3	15	1	10	5	1	0	1	0	0	13	0
Rajasthan West																											
Ganganagar . .	0530	177	1010·5	989·7	..	14·5	11·1	7·4	10·3	64	..	0·5	..	1·0	0	0	7	0	1	3	1	0	2	0	0	24	0
	0830	,,	1012·2	991.4	+0·1	16·3	11·8	7·1	10·1	56	−7	0·8	−1·1	3·3	0	0	23	0	6	7	6	1	2	1	0	8	0
	1130	,,	1012·1	991·9	..	25·9	16·0	7·0	10·0	32	..	1·7	..	4·3	0	0	29	0	4	0	9	9	4	0	3	2	0
	1730	,,	1008·6	988·7	..	28·3	16·6	5·8	9·2	26	..	2·8	..	4·3	0	0	23	3	5	2	2	2	2	3	4	8	0
	2330	,,	1011·4	990·6	..	18.5	13.6	8.9	11.5	55	..	0.6	..	1·6	0	0	10	0	5	3	0	0	1	0	1	21	0
Anupgarh (R)	0830	154																									
(R)	1730	,,																									
Mahajan . .	0830	187	1011.0	989.2	..	19.0	14.6	10.4	12.6	60	..	0	..	(b) 5·1	0	0	26	2	2	6	7	4	5	0	0	3	0
	1730	,,	1006·8	985.8	..	39.7	21.6	17·0	19.4	50	..	0	..	(b) 4·1	0	0	26	5	1	1	1	6	4	2	6	3	0
Churu . . .	0830	291	1012.9	979.2	..	18.1	10·4	1.0	6·6	34	..	1.4	..	6.3	0	0	25	2	0	6	2	4	7	3	1	6	0
	1730	,,	1008·2	975.8	..	29.1	14·7	−4.3	5.0	14	..	1.9	..	11·6	0	5	25	8	1	1	0	2	4	9	5	1	0
Bikaner . .	0830	224	1011·9	986.3	+0·2	17·9	10·6	1·2	6 7	35	−8	0·7	−1·1	4·2	0	0	29	0	5	2	10	5	5	1	1	2	0
	1730	,,	1007·7	982·7	..	30·5	15·9	0·8	6·5	16	..	0·9	..	7·5	0	3	28	7	2	1	0	1	10	2	8	0	0
Bikaner P. B. O. .	0530	224	1010·7	984·5	..	16·0	11·2	5·5	8·9	53	..	1·2	..	3·2	0	0	13	0	1	2	3	3	3	1	0	18	0
	1130	,,	1011·7	986·5	..	28·3	17·6	6·9	9·9	31	..	1·6	..	6·8	0	0	31	1	3	2	8	6	8	1	2	0	0
	2330	,,	1010·8	985·0	..	20·8	14·2	7·3	10·2	45	..	0·6	..	4·8	0	0	16	5	1	1	3	2	2	1	1	15	0
Nagaur . . .	0830	298	1012·8	978·9	..	23·6	16·2	8·8	12·4	44	..	1·0	..	7·6	0	0	31	2	4	6	6	8	5	0	0	0	0
	1730	,,	1008·1	975·0	..	30·1	21·2	15·4	17·5	43	..	2·0	..	7·9	0	2	28	4	2	0	3	3	6	5	7	1	0
Phalodi . . .	0830	234	1012·2	985·1	..	18·9	12·4	5·1	9·2	43	..	1.1	..	11·6	0	4	25	0	1	3	6	9	9	0	1	2	0
	1730	,,	1009·0	983·0	..	31·0	17·9	6·0	9·7	22	..	1·6	..	14·8	0	10	21	2	2	0	0	2	10	6	9	0	0
Jaisalmer. . .	0830	242	1011·2	983·3	..	18·6	12·1	4·8	8·6	42	..	1·6	..	11·0	0	5	19	3	2	1	1	8	7	2	0	7	0
	1730	,,	1007·4	980·5	..	31·4	19·8	11·0	13·7	30	..	2·5	..	18·6	0	10	21	4	1	0	0	10	10	3	3	0	0
Jodhpur . . .	0230	224	1010·7	981·8	..	20·8	12·3	2·2	7·2	31	..	0·6	..	7·6	0	2	27	7	9	0	0	2	7	4	0	2	0
	0530	,,	1010·9	984·4	..	18·1	11·4	3·8	8·0	40	..	0·8	..	6·3	0	0	23	7	9	0	1	1	5	0	0	8	0
	0830	,,	1012·7	986·7	+1·5	19·6	12·1	3·1	8·1	37	+1	1·2	−0·8	6·0	0	0	31	1	9	3	0	1	6	1	0	10	0
	1130	,,	1012·5	987·3	..	28·3	16·3	3·7	8·0	24	..	1·2	..	8·7	0	0	26	0	4	5	3	3	6	3	2	5	0
	1430	,,	1009·4	984·0	..	32·0	17·0	0·9	6·5	16	..	1·4	..	12·0	0	1	29	4	1	1	0	5	10	8	1	1	0
	1730	,,	1008.0	983.1	..	31·6	17·3	2.0	8·1	18	..	2·1	..	13.0	0	3	27	6	2	0	2	1	8	8	3	1	0
	2030	,,	1009.7	984.4	..	26·1	15.0	2.7	7·4	23	..	1·5	..	7.4	0	0	27	4	2	0	1	4	4	8	4	4	0
	2330	,,	1010·8	985·2	..	23·2	13.5	2·2	7·2	27	..	1.0	..	8·5	0	1	26	8	4	0	0	1	5	5	4	4	0
Barmer . .	0530	194	1009·5	987·3	..	20·7	14·5	8·3	11·5	48	..	0·9	..	7·1	0	1	22	1	0	0	0	1	7	5	9	8	0
	0830	,,	1011·6	989·1	−0·4	20·5	14·7	9·0	12·1	50	−5	1·5	−0·1	3.2	0	1	13	0	0	1	0	1	3	3	6	17	0
	1130	,,	1011·6	989·9	..	29·3	19·5	12·1	14·6	36	..	1·0	..	5·7	0	0	28	1	2	2	6	4	7	5	1	3	0
	1730	,,	1007.3	985·8	..	32·5	20·6	11·8	14·8	30	..	1·4	..	7·0	0	0	27	1	2	0	1	3	8	6	6	4	0
	2330	,,	1010.0	987·9	..	25·5	16·4	8·0	11·5	34	..	0·5	..	6·6	0	2	23	0	0	0	1	1	9	4	10	6	0
Erinpura Jawai Dam	0830	295	(c) 1012·3	(c) 979·0	..	(c) 20·5	16·1	12·7	14·7	61	..	0·7	..	(c) 3·2	0	0	21	0	0	0	2	16	2	1	0	10	0
	1730	,,	1008·3	975·7	..	30·7	22·8	18·5	21·3	49	..	1·1	..	5·7	0	0	23	5	1	0	0	3	5	7	2	8	0
Munabao .	0830	80	1012·5	1003·1	..	17·7	..	..	..	..		0	..	3·0	0	1	20	2	5	0	3	5	6	0	0	7	0
	1730	'	1009·6	1001·1	..	33·2	..	..	..	..	..	0	..	(b) 10·2	0	1	28	3	3	0	0	4	13	3	3	0	0
Rajasthan (East)																											
Pilani . . .	0830	301	1013·2	978·5	..	18·5	12·2	5·2	9·1	45	..	1·6	..	7·8	0	1	30	2	1	5	4	6	8	4	1	0	0
	1730	,,	1008·8	975·4	..	28·2	15·5	1·2	7·3	21	..	1·0	..	10·8	0	3	27	8	1	1	2	1	4	7	6	1	0
Sikar . . .	0830	433	1012·6	963·5	..	20·5	13·1	6.1	9·4	46	..	0·9	..	0·3	0	0	5	0	0	0	1	0	1	1	2	26	0
	1730	,,	1008·1	960·6	..	28·8	17·1	4·0	10·2	28	..	1·4	..	1·4	0	0	19	0	0	0	0	0	1	4	14	12	0
Alwar . . .	0830	271	1011·9	980·5	..	19·5	15·7	12·1	14·1	62	..	1·5	..	0·9	0	0	11	1	1	1	2	2	2	2	0	20	0
	1730	,,	1008·2	978·0	..	29·2	21·5	17.2	19·6	48	..	2·2	..	1·7	0	0	18	3	3	2	1	0	3	2	4	13	0

(R) Register not received.

(c) Mean of 28 days.

(b) Mean of 29 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour.	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Rajasthan East—*Contd.*																											
Jaipur (Sanganer)	0230	390	1010·7	966·0	..	17·8	11·7	4·9	8·7	44	..	0·5	..	3·5	0	0	16	2	4	5	1	0	0	1	3	15	0
	0530	,,	1010·9	965·8	..	1·64	10·8	4·4	8·4	47	..	0·7	..	4·1	0	0	17	5	3	7	1	0	0	1	0	14	0
	0830	390	1012·5	967·9	−0·4	20·1	12·9	5.5	9·0	40	+3	1·6	−0·1	4·6	0	1	19	3	3	8	1	0	1	2	2	11	0
	1130	,,	1011·9	968·3	..	26·9	15·1	2.6	7.4	23	..	1.4	..	10·1	0	2	28	2	1	4	6	1	6	7	3	1	0
	1430	,,	1008·7	965·7	..	29·6	15·7	0·7	6·4	17	..	1·5	..	11·3	0	4	27	2	1	3	3	1	5	8	8	0	0
	1730	,,	1007·6	964·5	..	28·9	15·6	0·9	6·5	18	..	2·0	..	7·5	0	1	23	1	2	1	1	1	3	6	9	7	0
	2030	,,	1010·0	965·9	..	22·5	13·7	4·4	8·4	32	..	1·3	..	4·5	0	1	20	6	2	4	0	0	2	4	3	10	0
	2330	,,	1011·0	966·4	..	19·7	12·5	4·7	8·5	39	..	1·3	..	3·2	0	0	19	2	3	4	3	1	1	2	3	12	0
Dholpur	0830	176	1012·5	992·2	..	20·8	16·4	12·9	14·9	61	..	0·9	..	1·3	0	0	14	0	1	0	2	3	1	4	3	17	0
	1730	,,	1007·7	983·3	..	30·0	21·8	16·6	18·9	46	..	0·9	..	3·9	0	0	25	4	4	1	1	0	2	2	11	6	0
Ajmer	0830	486	1013·1	957·9	0	19·2	12·0	5·0	8·7	40	+4	1·7	+0·3	5·2	0	3	15	3	5	0	2	1	5	2	0	13	0
	1730	,,	1007·6	954·4	..	29·2	14·7	−0·4	5·9	16	..	2·2	..	9·8	0	3	28	5	2	0	2	1	8	8	5	0	0
Tonk	0830	272	1012·2	980·7	..	19·1	13·6	9·1	11·6	53	..	1·1	..	5·0	0	0	31	3	1	2	6	0	2	7	10	0	0
	1730	,,	1007·5	977·4	..	30·2	20·0	13·0	15·0	36	..	1·5	..	6·0	0	0	31	4	0	0	1	2	1	8	15	0	0
Bhilwara	0830	425	1013·2	964·8	..	19·9	12·1	3·2	7·7	34	..	1·6	..	4·8	0	0	22	3	5	1	1	2	4	4	2	9	0
	1730	,,	1007·8	961·1	..	30·3	15·1	−2·8	4·8	12	..	2·1	..	7·4	0	2	25	5	3	2	0	0	5	5	7	4	0
Kota	0830	257	1012·5	983·4	+0·2	22·7	14·7	7·5	10·4	37	+3	0·8	−0·7	3·0	0	1	11	0	1	1	3	0	3	2	2	19	0
	1730	,,	1007·8	979·5	..	30·5	17·5	5·8	9·2	22	..	1·5	..	5·6	0	1	20	6	3	0	0	0	3	2	7	10	0
Kota (Aerodrome)	0530	274	1011·0	979·4	..	18·9	11·3	2·1	7·1	33	..	0·8	..	7·7	0	0	29	0	2	4	0	2	6	15	0	2	0
	0830	,,	1012·4	981·2	..	22·3	13·2	3·1	7·6	30	..	0·9	..	6·1	0	1	27	3	2	4	3	0	5	8	3	3	0
	1130	,,	1012·4	981·8	..	28·5	15·3	0.6	6·7	18	..	0 8	..	9·7	0	2	27	1	6	5	3	2	2	5	5	2	0
	1730	,,	1007·6	977·5	..	31·6	16·3	0	6·1	14	..	1·4	..	10·8	0	3	28	2	10	3	2	0	1	8	5	0	0
	2330	,,	1011·3	979·7	..	23·1	13·2	1·8	7·0	26	..	0·3	..	4·5	0	0	26	1	3	0	0	1	11	6	4	5	0
Chambal (Rawat Bhatta Dam)	0830	351	1013·0	972·9	..	20·8	13·0	4·7	8·5	36	..	0·5	..	1·7	0	1	12	5	0	0	2	3	2	0	1	18	0
	1730	,,	1007·5	968·9	..	31·2	17·3	4·0	8·1	19	..	1·0	..	8·8	0	4	24	3	2	0	1	0	7	1	14	3	0
Udaipur	0230	582	1011·7	945·8	..	17.3	12·1	7·4	10·3	53	..	0·5	..	1 3	0	1	4	1	0	0	0	1	2	0	1	26	0
	0530	,,	1012·2	945·7	..	15·3	11·1	6·9	9·9	58	..	0·3	..	0·2	0	0	2	0	0	0	0	1	1	0	0	29	0
	0830	,,	1013·2	947·5	−0·1	19·7	13·3	7·5	10·4	47	0	0·5	−0·8	0·5	0	0	3	0	0	0	0	1	2	0	0	28	0
	1130	,,	1011·9	949·0	..	28·2	17·4	9·6	11·9	32	..	0·5	..	5·4	0	0	22	2	5	3	2	4	5	0	1	9	0
	1730	,,	1007·7	944·6	..	29·2	18·1	9·5	11·9	31	..	0·9	..	4·9	0	0	21	0	3	1	0	4	4	6	3	10	0
	2330	,,	1012·1	946·5	..	19·5	13·4	8·2	10·9	49	..	0·4	..	1·4	0	0	4	0	0	0	0	0	2	2	0	27	0
Jhalawar	0830	321	1012·4	975·8	−0·2	20·8	12·6	4·2	8·2	32	−4	0·8	−0.4	4·2	0	1	20	3	2	4	5	1	3	2	1	10	0
	1730	,,	1007·0	971·9	..	32 0	16·8	1·5	6·8	14	..	1·7	..	9·0	0	1	28	5	3	1	0	0	5	9	6	2	0
Banswara	0830	220	1012·7	987·6	..	22·8	14·1	4·5	8·4	33	..	0	..	6 8	0	1	28	0	1	9	6	4	9	0	0	2	0
	1730	,,	1007·6	983·0	..	33·2	18·1	4·1	8·2	17	..	0	..	8·2	0	2	28	2	1	1	2	0	9	9	6	1	0
Madhya Pradesh, West																											
Gwalior	0230	207	1010·8	986·7	..	17·2	11·5	5·7	9·0	47	..	1·0	..	2·5	0	0	15	2	1	0	2	3	5	0	2	16	0
	0530	,,	1011·0	986·8	..	15·8	10·6	4·7	9·0	53	..	1·4	..	3·0	0	1	15		0	0	2	6	4	2	1	15	0
	0830	,,	1012·7	989·0	+0·6	22·4	14·2	6·1	9·6	37	−1	1·6	+0·3	4·4	0	0	22	3	1	0	1	8	6	2	1	9	0
	1130	,,	1012·2	989·1	..	29·1	16·3	3·8	8·5	21	..	1·5	..	10·7	0	2	27	1	4	1	2	8	3	2	7	2	1
	1430	,,	1009·3	986·3	..	31·3	16·7	1·8	7·5	16	..	1·8	..	11 9	0	1	29	5	3	1	3	3	2	2	11	1	0
	1730	,,	1008·2	985·2	..	30·5	16·5	2·3	7·4	18	..	2·0	..	9·5	0	3	28	12	3	0	3	2	2	2	7	0	0
	2030	,,	1010·3	986·8	..	23·4	14·3	4·7	9·0	31	..	1·4	..	5·7	0	2	21	5	3	1	2	1	3	3	5	8	0
	2330	,,	1011·4	987·5	..	19·5	12·6	5·5	9·0	41	..	1·3	..	3·1	0	1	11	2	0	1	1	2	3	2	1	19	0
Sheopur	0830	235	1013·1	985·9	+0·8	19·5	12·5	5·1	8·8	40	−2	1·4	−0·5	4·8	0	0	27	4	4	2	6	4	3	2	2	4	0
	1730	,,	1008·0	982·0	..	31·3	16·8	2·6	7·4	16	..	1·8	..	12·0	0	5	25	10	1	1	0	3	4	7	4	1	0
Shivpuri	0830	464	1012·7	960·3	..	21·8	12·7	3·5	7·4	33	..	1·2	..	3·0	0	0	28	1	3	4	7	6	2	2	3	3	0
	1730	,,	1007·3	956·6	..	29.4	14·7	−0·5	5·6	15	..	1·8	..	6·2	0	1	19	0	4	0	1	1	1	3	10	11	0
Nowgong	0830	229	1012·9	986·5	+0·4	19·8	13·1	6·4	9·7	42	−4	2·2	+0·4	4·0	0	0	22	1	1	1	1	7	9	2	0	9	0
	1730	,,	1008·2	982·9	..	31·0	16·7	2·1	7·4	18	..	2·2	..	3·9	0	0	24	3	3	0	1	0	6	3	8	7	0
Guna	0530	478	1011·9	956·9	..	15·6	11·4	7·7	11·4	59	..	1·4	..	3·0	0	0	18	2	1	3	7	1	0	1	3	13	0
	0830	,,	1013·1	959·0	−0·1	21·6	15·4	10·5	13·0	50	+13	1·5	+0·5	3·5	0	0	31	2	2	9	7	10	0	0	1	0	0
	1130	,,	1011·6	959·0	..	29·5	20·1	14·3	16·6	42	..	1·3	..	5·4	0	0	31	5	1	3	6	5	3	0	8	0	0
	1730	,,	1007·5	955.2	..	30·0	19.4	12·0	14·8	35	..	2·4	..	10·0	0	2	29	5	1	0	1	3	2	6	13	0	0
	2330	,,	1011·6	957·6	..	20·0	13·9	8·7	11·2	49	..	0·9	..	4·2	0	1	22	4	5	3	2	1	2	2	4	8	0
Nimach	0830	496	1013·6	957·6	+0·8	21·3	11·4	−0·3	6·3	25	−12	0·4	−0·9	6·1	0	2	26	1	12	2	4	3	3	3	0	3	0
	1730	,,	1007·9	953·9	..	30·7	14·8	−2·2	5·2	12	..	1·4		15·5	0	10	20	2	5	0	0	0	3	16	3	1	1

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of the nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh West—*Contd.*																											
Rajgarh	0830	382	1013.1	969·5	..	20·0	14·2	8·7	11·5	48	..	0·7	..	4·0	0	0	25	2	0	5	8	7	1	2	0	6	0
	1730	"	1017·2	965·5	..	32·0	21·6	14·4	17.3	37	..	2·1	..	11·3	0	5	24	6	5	0	1	2	4	9	2	2	0
Sagar	0830	551	1012·7	951·0	+0·7	22·7	13·3	4·3	8·4	32	+1	1·0	−0·3	2·7	0	0	20	0	3	2	3	0	1	6	5	11	0
	1730	"	1006·9	947·0	..	30·1	16·5	4·4	8·8	21	..	1·9	..	3·4	0	0	30	1	3	0	1	0	5	2	18	1	0
Ratlam	0830	486	1013·1	958·3	+0.7	21·6	14·3	8·2	10·9	43	+1	0.2	−1·7	9·2	0	2	26	2	8	7	1	3	5	2	0	3	0
	1730	"	1007.5	954·6	..	31·5	19·9	12·0	14·3	32	..	1.9	..	12·1	0	6	22	3	6	0	0	0	7	10	2	3	0
Bhopal (Bairagarh)	0230	523	1010.6	951·5	..	19·9	11·0	0·8	6·6	29	..	1·2	..	7·3	0	0	27	8	5	3	3	2	0	1	5	4	0
	0530	"	1011·2	951·9	..	18·7	10·6	1·2	6.9	32	..	1·3	..	6·1	0	0	23	4	6	2	4	3	1	2	1	8	0
	0830	"	1012·7	954·2	+0.4	23·5	13·1	2·5	7·5	26	−3	1·7	+0·6	10·8	0	3	25	4	2	7	6	3	3	1	2	3	0
	1130	"	1011·3	954·1	..	29·5	15·5	2·3	7·4	19	..	1·5	..	12·9	0	6	23	3	5	6	6	1	2	3	3	2	0
	1430	"	1007·8	951·2	..	31·6	16·1	1·4	7·0	15	..	2·2	..	14·6	0	8	22	4	2	1	2	2	3	11	5	1	0
	1730	"	1006·9	950·1	..	30·9	15·6	0·6	6·6	15	..	2·9	..	13·7	0	7	22	4	0	1	0	1	4	9	10	2	0
	2030	"	1009·6	951·7	..	25·3	13.5	1·5	6·9	22	..	1·9	..	8·1	0	1	25	9	5	1	0	0	3	6	2	5	0
	2330	"	1010·7	952.2	..	22·6	12·2	0·9	6·7	25	.	1·7	..	10·0	0	2	28	8	7	2	2	0	3	8	0	1	0
Ujjain	0830	489	1013·1	957.8	..	21·3	13·9	7·5	10·5	43	..	1·5	..	7·7	0	4	18	2	2	2	4	1	1	4	4	9	2
	1730	"	1007·2	954·1	..	31·7	19·2	10·3	13·1	29	..	2·3	..	17·4	0	11	19	3	1	0	0	2	0	13	8	1	3
Narsighpur	0830	356	1013·3	972·7	..	20.6	14·1	7·3	10·8	43	..	2.6	..	..	0	..	..	..	..	..	..	..	..	..	..	..	..
	1730	"	1007·3	968·5	..	32·1	18·9	8·3	11·4	29	..	3.3	..	..	0	..	..	..	..	..	..	..	..	..	..	..	..
Hoshangabad	0830	302	1013·3	978·8	+0·5	21.9	15·2	9·1	11.9	45	+11	1·5	+0·3	3·0	0	0	30	5	10	2	6	5	2	0	0	1	0
	1730	"	1007·5	974·2	..	33·1	19·9	10·4	12·5	26	..	2·0	..	4·1	0	0	30	2	15	0	4	1	5	2	1	1	0
Indore	0530	567	1011·4	946·9	..	17·3	10.3	2·9	7·5	39	..	0·6	..	7·2	0	1	20	2	4	1	0	0	11	2	1	10	0
	0830	"	1012·8	949·2	+0·1	21.7	12·6	3·5	8·0	31	−1	0 6	−0·5	11·4	0	5	22	1	4	8	0	3	3	8	0	4	0
	1130	"	1011·1	949·2	..	29.4	15·7	3 2	7·9	19	..	0·8	..	15·4	0	10	20	3	4	10	0	2	7	3	1	1	0
	1730	"	1006·6	945·3	..	31·2	15·5	−0·4	5·8	14	..	1·5	..	18·8	0	12	19	2	6	0	0	0	11	8	3	0	1
	2330	"	1011·2	947·6	..	21·2	12·0	2·4	7·4	29	..	1·1	..	8·9	0	1	26	0	5	4	1	0	12	1	4	4	0
Rajpur (Jhabua)	0830	293	1013·1	979.9	..	21 4	14·4	7·4	10·8	43	..	0.6	..	5·6	0	0	15	0	1	0	0	0	3	11	0	16	0
	1730	"	1007·7	975·7	..	33 3	17·0	2.5	7·9	15	..	0·9	..	7·1	0	3	25	1	0	0	0	0	5	20	2	3	0
Chhindwara	0830	685	1012·9	936·5	+0·4	21.0	14·7	9·1	12·1	49	+9	2·5	+0·9	3·7	0	0	19	5	5	2	1	2	0	0	4	12	0
	1730	"	1006·8	932·7	..	28·8	17·4	8·3	11·5	31	..	3·5	..	8·7	0	2	27	6	1	2	1	5	0	13	1	2	0
Seoni	0830	619	1012·9	943·7	+0.6	21·5	15·4	10·5	13·0	52	+15	2·7	+1·4	4·6	0	0	26	4	9	3	2	3	3	1	1	5	0
	1730	"	1007·1	940·1	..	29·3	18·7	10·7	13·8	37	..	2·9	..	9·3	0	0	31	3	4	0	2	7	6	3	6	0	0
Betul	0830	653	1012·7	939·9	+0·2	22·0	13 6	5·3	9·5	36	+1	2·7	+0·9	2·5	0	0	19	2	4	4	6	0	2	1	0	12	0
	1730	"	1006.5	936·1	..	30·3	16·0	2·5	7·7	15	..	2·6	..	6·7	0	0	31	6	2	0	5	1	2	5	10	0	0
Khandwa	0830	318	1012·8	976·7	+0.6	23·4	14·4	5·0	9·1	32	−1	0·9	0	3·2	0	0	30	1	6	1	0	5	6	3	8	1	0
	1730	"	1006·7	972·1	..	34·0	19·0	5·9	9·8	18	..	2·0	..	5·0	0	0	31	5	3	0	0	1	3	5	14	0	0
Madhya Pradesh East																											
Satna	0530	317	1011·5	974·6	..	16·5	12.2	8·5	10·2	61	..	1·9	..	1·5	0	0	19	3	3	0	4	4	4	1	0	12	0
	0830	"	1013.5	976.9	+1.0	21·4	15·1	9·5	12·0	48	+8	1·5	0	1·7	0	0	16	0	1	4	0	4	1	6	0	15	0
	1130	"	1012.4	977.0	..	28·0	18 0	10·1	12·5	34	..	1·5	..	2.5	0	0	19	1	4	3	4	4	1	2	0	12	0
	1730	"	1008·5	973·3	..	28·9	18·9	11·3	13·7	34	..	2·7	..	2·6	0	0	23	10	0	3	0	6	0	4	0	8	0
	2330	"	1011·6	975·4	..	21·0	15·9	11·2	13·3	55	..	2·3	..	1·1	0	0	11	3	1	2	3	1	0	1	0	20	0
Rewa	0830	299	1012·8	978·5	..	20·7	14·7	9·4	11·9	50	..	1·2	..	3·5	0	0	26	3	0	2	3	2	4	9	3	5	0
	1730	"	1008·4	975.4	..	29·7	17·9	7·5	10·9	28	..	1·9	..	4·7	0	0	29	8	6	2	0	1	0	5	7	2	0
Sidhi	0830	272*	1012·5	981·3	..	19·6	14 5	9 6	12·3	54	..	0·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	"	1007·4	977.0	..	30·1	18·4	8·1	11·6	29	..	1·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Umaria	0830	459	1013·4	961·3	..	21·0	14·9	10·0	12·0	51	+9	2·2	+0·4	3·7	0	0	24	1	4	5	6	2	2	1	1	7	2
	1730	"	1007·7	957·5	..	30·2	18·8	10·4	12·4	32	..	2·8	..	4·8	0	0	29	6	0	0	2	2	1	2	10	2	6
Jabalpur	0530	393	1011·8	966·6	..	16·5	12·4	8·2	11·1	60	..	1·2	..	0·9	0	0	8	1	1	0	3	2	0	1	0	23	0
	0830	"	1013·4	968·9	+1·3	21·8	14·6	7·6	10·8	41	−2	2·1	+0·9	2·6	0	0	21	1	3	0	6	8	0	2	1	10	0
	1130	"	1011·8	968·5	..	29·9	17·1	5·0	8·9	22	..	2·2	..	5·1	0	0	30	6	7	1	3	7	1	3	2	1	0
	1430	"	1008·2	965·4	..	32·5	17·8	3·8	8·4	19	..	2·6	..	6·6	0	0	31	4	5	1	0	6	2	7	6	0	0
	1730	"	1007·6	964·5	..	30·6	17·7	5·5	9·8	23	..	3·0	..	5·5	0	0	31	10	5	1	1	3	2	3	6	0	0
	2330	"	1011·5	966·8	..	20·6	14·7	9·3	11·9	50	..	2.1	..	1·9	0	0	13	2	3	1	2	4	0	1	0	18	0
Ambikapur	0830	611	1013·4	945·0	+0.7	21·0	14·4	8·8	11·6	47	−1	2·2	+1·0	3·5	0	0	20	4	6	2	0	4	4	0	0	11	0
	1730	"	1007·7	941·2	..	28·4	16·0	4·9	9·1	25	..	2·6	..	6·5	0	1	26	11	3	0	1	0	2	4	6	4	0
Jashpur Nagar	0830	779*	1012·9	926·4	..	19.8	13·6	8·1	11·0	48	..	1·4	..	1·8	0	0	20	3	6	0	0	1	3	2	5	11	0
	1730	"	1008·0	923·9	..	27·1	17·0	8·3	11·9	35	..	2·0	..	3·4	0	0	29	0	1	0	3	0	14	3	8	2	0

* Height Provisionally calculated.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres.	Mean pressure in millibars: At mean sea level or height in g.p.m. of the nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal.	Mean wind speed in Km. per hour.	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh (East) *Contd.*—Pendra	0530	625	1012·1	941·5	..	17·6	12·2	7·0	10·3	52	..	2·0	..	4·5	0	0	22	7	0	0	0	6	3	3	2	9	1
	0830	,,	1013·4	943·7	+0·7	21·7	14·4	8·0	11.1	44	+3	2·2	+0.8	5·7	0	1	29	12	3	1	2	5	4	1	2	1	0
	1130	,,	1011·9	943·5	..	27·2	16·3	7·4	10·7	31	..	2.0	..	9·7	0	4	26	11	4	1	2	6	4	1	1	1	0
	1430	,,	1008·3	940·5	..	29·0	16.3	7·5	9·3	28	..	3·2	..	11·1	0	7	21	7	4	1	2	5	4	2	1	3	2
	1730	,,	1008·3	940·0	..	26·9	16·6	8·1	11·4	35	..	3·1	..	8·6	0	2	24	11	1	0	1	6	5	1	2	5	0
	2330	,,	1012·0	942·0	..	20·3	13·9	8·3	11·9	49	..	2·4	..	7·0	0	2	26	8	1	0	1	3	8	1	6	3	0
Mandla	0830	443	1013·6	963·3	+0.6	21·0	19·9	9·4	12·0	48	−9	2·2 (i)	+0·3	0·9 (i)	0	0	5	2	0	1	1	1	0	0	0	17	0
	1730	,,	1007·7	959·0	..	29·0	18·0	6·8	11·7	29	..	3·4 (i)	..	3·6 (i)	0	0	14	6	0	1	0	3	0	0	4	8	0
Champa	0830	245	1013·3	985·3	+0·8	22·9	16·3	10·7	13·1	48	+3	2·3	+0.5	3·0	0	0	26	14	4	1	1	0	0	0	6	5	0
	1730	,,	1008·0	981·0	..	32·0	18·8	7·7	10·9	24	..	3·7	..	5·0	0	0	28	4	0	2	1	0	3	6	12	3	0
Raigarh	0830	220	1013·3	988·3	+1·3	25·1	17·0	10·1	12·8	41	−2	2·4	+0·4	3·6	0	0	31	3	16	2	6	1	3	0	0	0	0
	1730	,,	1007.8	983·4	..	31·8	18·9	7·9	11·4	25	..	2·6	..	2·4	0	0	25	6	2	0	4	0	3	6	3	6	1
Raipur	0530	298	1010·9	976·8	..	20.6	15·6	11·3	13·7	57	..	2·7	..	3.5	0	0	19	2	3	1	3	4	1	3	1	12	1
	0830	,,	1013·1	979·3	+1·1	24·1	17·3	11·7	14·2	49	+9	2·2	+0·9	6.1	0	0	28	5	4	1	1	3	4	3	6	3	1
	1130	,,	1012.1	979·1	..	30·3	19·0	10·0	12·8	28	..	2·1	..	0·9	0	0	31	5	5	2	4	1	3	5	6	0	0
	1430	,,	1008·4	975·8	..	33·1	19·7	8·7	11·2	25	..	1.8	..	9·4	0	0	31	4	4	0	1	3	3	9	7	0	0
	1730	,,	1007·7	975·0	.	31·5	19·1	8·7	12·0	28	..	2·4	..	6·5	0	0	28	5	4	0	1	1	4	9	4	3	0
	2330	,,	1010·7	977·1	..	24·5	17·0	10·6	13·3	44	..	1·0	..	6.6	0	0	27	4	0	2	7	4	3	4	3	4	0
Kanker	0830	402	1012·6	967·8	+1·1	26·0	19·6	15·2	17.4	53	0	1.1	−0.6	1·1	0	0	7	0	0	0	0	1	3	2	1	24	0
	1730	,,	1007·3	963·6	..	31·9	21·9	15·1	17·1	35	..	1.6	..	2·6	0	0	23	3	1	0	0	1	9	6	3	8	0
Jagdalpur	0530	553	1010·9	948·8	..	19·6	16·0	13·5	15.6	69	..	0·8	..	0 6	0	0	4	0	0	0	2	1	1	0	0	27	0
	0830	,,	1012·3	951·1	+0·4	24·5	17·9	13·6	15·7	52	−5	1.4	+0.1	3·2	0	0	15	1	2	1	3	5	2	0	1	16	0
	1130	,,	1010·4	950·6	..	31·2	18·8	10·1	12·6	29	..	1·1	..	7·5	0	0	29	1	3	1	2	5	10	5	2	2	0
	1730	,,	1006·4	946·9	..	31·6	18·7	9·6	12·2	27	..	4·1	..	6·5	0	0	28	3	4	0	0	5	11	3	2	3	0
	2330	,,	1010·8	949·5	..	23·7	16·9	12·1	14·3	50	..	1.2	..	3·0	0	0	11	0	2	1	0	5	3	0	0	20	0
Gujarat Region (including Daman Dadra and Nagar Haveli) Deesa	0830	136	1013·2	997·3	+0·7	19·4	12·6	5·1	9·1	39	..	0·1	..	6·0	0	0	29	0	14	0	4	0	7	0	4	2	0
	1730	,,	1008·8	993·6	..	32·9	16·5	−2·1	5·4	11	..	0·2	..	10·3	0	0	31	0	2	0	1	0	11	0	17	0	0
Radhanpur	0830	30	1013·0	1009·5	..	20·4	17·0	14·3	16·6	70	..	0	..	4·1	0	0	26	1	4	3	0	0	7	4	7	5	0
	1730	,,	1009·6	1006·2	..	32·9	23·9	18·5	22·7	47	..	0	..	7·2	0	0	31	2	3	0	2	0	14	1	9	0	0
Idar	0830	219	1012·7	987·6	..	23·1	14·3	4·2	9·1	35	..	0·3	..	3·4	0	0	23	5	4	1	1	0	2	8	2	8	0
	1730	,,	1008·0	984·2	..	32·9	17·1	0	6·7	14	..	0·4	..	4.5	0	0	30	0	1	0	1	1	0	19	8	1	0
Ahmedabad	0230	55	1010·8	1004.3	..	21·1	13·7	5·6	9.7	39	..	0·2	..	6·7	0	0	23	6	1	0	0	0	0	11	5	8	0
	0530	,,	1010·7	1004·3	..	19·2	13·3	6·5	10·5	47	..	0·2	..	5·6	0	0	20	1	5	1	0	0	0	6	7	11	0
	0830	,,	1012·9	1006·5	+0·3	21·7	14·5	6·4	10·7	42	−5	1·0	−0·1	8·3	0	1	25	2	5	4	1	0	0	4	10	5	0
	1130	,,	1013·2	1007·0	..	30·7	17·3	3·6	8·9	21	..	0·5	..	13·3	0	8	22	4	3	7	3	0	0	5	7	1	1
	1430	,,	1010·2	1004·1	..	34·2	17·7	0·1	6·9	13	..	0·7	..	13·3	0	7	22	2	5	2	2	1	3	5	8	2	1
	1730	,,	1008·6	1002·5	..	34·1	17.4	−0·4	6·3	12	..	0·8	..	12·0	0	5	24	3	2	2	1	0	1	10	7	2	3
	2030	,,	1010·0	1003·7	..	27·4	15·8	4·2	8 6	24	..	0·2	..	5·7	0	1	19	3	0	0	0	0	3	7	7	11	0
	2330	,,	1011·1	1004·7	..	23·9	14·5	4 8	8·9	31	..	0·2	..	7·8	0	2	20	7	2	0	0	0	3	6	4	9	0
Dohad	0830	333	1013·0	975·1	+0·5	22·3	13·5	2·7	8·4	32	−8	0·6	−0·5	9.3	0	5	20	0	1	5	4	3	3	8	1	6	0
	1730		1007·6	971·2	..	32·9	16·7	−2·1	5·9	12	..	0·2	..	9·8	0	5	26	4	1	2	0	0	18	4	2	0	0
Vallabh-Vidyanagar	0830	44	1012·5	1007·5	..	19·6	14·0	8·2	11·5	51	..	0·7	..	4·8	0	0	29	5	7	0	2	4	3	4	4	2	0
	1730	,,	1008·4	1003·6	..	34·1	18·4	3·7	8·4	14	..	0·7	..	10·0	0	3	28	7	4	1	0	0	9	5	5	0	0
Baroda Aerodrome	0830	38	1013·0	1008·6	..	22·0	15·2	8·5	11·8	45	..	0·5	..	9·4	0	2	19	4	4	0	2	2	6	1	2	10	0
	1130	,,	1012·9	1008·7	..	30·9	17·8	5·3	9·7	23	..	0·4	..	18·1	0	12	16	2	5	4	1	1	3	5	7	3	0
	1730	,,	1008·3	1004·1	..	34·3	18.1	2·1	7·6	15	..	0·6	..	17·0	0	10	19	4	3	0	0	0	6	9	7	2	0
Baroda	0530	34	1010·9	1006·9	..	19.2	14·3	9·6	12·3	56	..	0·3	..	0·1	0	0	1	0	0	0	0	0	1	0	0	30	0
	0830	,,	1013.2	1009·1	+1.0	21·2	15·7	10·7	13·4	53	0	0·3	−0·5	0·5	0	0	6	0	2	0	0	0	1	1	2	25	0
	1130	,,	1013·2	1009·3	..	31·7	18·7	7·3	11·0	25	..	0·1	..	2·6	0	0	20	0	11	0	0	0	1	4	4	11	0
	1730	,,	1008·5	1004·7	..	35·5	19·9	7·2	10·5	19	..	0·3	..	3·4	0	0	21	0	2	0	0	0	8	5	6	10	0
	2330	,,	1011.2	1007·2	..	24·3	16·8	10·7	13·0	44	..	0·1	..	1·0	0	0	11	0	2	0	0	0	2	5	2	20	0
Broach	0830	17	1012.1	1010.1	+0.2	19.9	15.9	12.2	14.9	64	+5	0.3	−0.9	4.4	0	0	31	0	6	0	0	0	17	0	8	0	0
	1730	,,	1008.1	1006.2	..	35.1	20.7	10.0	12.7	24	..	0.3	..	7.1	0	0	31	2	6	0	0	1	13	5	4	0	0
Surat	0530	12	1010·8	1009·4	..	20·7	16·8	12·9	16·0	66	..	0·1	..	7·9	0	1	26	0	13	0	8	0	3	0	3	4	0
	0830	,,	1013·2	1011·8	+0.9	22·6	17·7	13·5	16·3	60	0	0·4	−0.6	7·0	0	0	30	0	16	0	8	0	3	0	3	1	0
	1130	,,	1013.5	1012·2	..	30·3	19·2	9·7	13.2	32	..	0·4	..	10·0	0	2	29	0	15	0	1	0	6	0	9	0	0
	1730	,,	1009·4	1008.1	..	32.5	20·4	11·2	14·1	31	..	0·5	..	12·6	0	3	28	0	1	0	0	0	16	0	14	0	0
	2330	,,	1011.7	1010.3	..	24·0	19.2	15.3	18.3	62	..	0.2	..	9.7	0	1	30	0	6	0	1	0	17	0	7	0	0

(i) Mean of 22 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars. At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean Temperature in °C. Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs	Relative humidity %	Departure from normal	Cloud amount (Oktas) Mean amount	Departure from normal	Mean wind speed in Km. per hour.	Wind speed (Km. p.h.) 62 or more	20 to 61	1 to 19	No. of observations Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Saurashtra and Kutch (including Diu)																											
Naliya	0830	21	1012·8	1010·3	..	19·6	17·7	16·5	18·8	82	..	1·5	..	4·5	0	0	27	3	5	3	2	0	8	3	3	4	0
	1730	,,	1009·9	1007·5	..	29·2	20·7	14·7	17·5	45	..	0·9	..	10·3	0	4	27	1	1	0	0	1	17	11	0	0	0
Bhuj (Rudramata)	0230	80	1011·4	1002·1	..	20·5	17·6	15·0	17·8	74	..	0·2	..	7·2	0	0	20	0	1	0	0	0	3	14	2	11	0
	0530	,,	1011·2	1001·8	..	19·1	16·5	14·1	16·7	76	..	0·4	..	5·5	0	0	14	1	0	0	0	0	2	9	2	17	0
	0830	,,	1013·1	1003·7	+0·6	20·9	17·7	15·1	17·6	72	+18	1·0	−0·2	5·5	0	0	15	1	0	0	0	0	4	9	1	16	0
	1130	,,	1013·3	1004·2	..	29·6	20·2	13·2	16·0	40	..	0·6	..	14·5	0	6	22	7	4	1	0	0	1	9	6	3	0
	1430	,,	1010·5	1001·5	..	33·1	21·0	11·7	15·0	31	..	0·8	..	14·1	0	7	20	4	2	0	1	0	3	9	8	4	0
	1730	,,	1009·2	1000·3	..	32·3	21·1	12·4	15·9	35	..	0·9	..	18·5	0	11	19	3	6	0	2	0	4	12	3	1	0
	2030	,,	1011·0	1001·9	..	26·7	19·8	14·4	17·5	51	..	0·2	..	14·3	0	1	29	0	2	0	0	0	7	18	3	1	0
	2330	,,	1012·0	1002·6	..	23·0	18·9	15·5	18·5	68	..	0·3	..	11·4	0	0	29	1	0	0	0	0	5	20	3	2	0
Kandla Aerodrome	0830	35	1013·3	1009·3	..	22·4	17·2	13·0	15·4	58	..	0·6	..	17·0	0	13	16	3	0	0	1	0	9	6	10	2	0
	1130	,,	1013·7	1009·7	..	30·5	17·8	6·7	10·1	24	..	0·6	..	19·4	0	12	19	5	6	1	1	0	2	12	4	0	0
	1730	,,	1009·4	1005·6	..	32·9	17·9	5·1	8·4	17	..	0·6	..	25·6	0	24	7	3	3	0	1	7	5	10	2	0	0
New Kandla	0830	14	1013·5	1011·9	..	21·8	18·0	15·3	17·6	68	..	1·3	..	10·9	0	3	25	7	2	0	0	0	5	7	7	3	0
	1730	,,	1010·0	1008·4	..	30·0	19·4	11·5	13·9	34	..	0·7	..	24·5	0	21	10	3	3	0	1	2	11	11	0	0	0
Mandvi	0830	9	1013·5	1012·4	+0·7	21·6	18·7	16·4	19·3	76	−4	2·7	+1·2	13·5	0	5	24	8	2	0	0	0	1	12	6	2	0
	1730	,,	1010·6	1009·5	..	26·6	22·3	19·9	23·5	68	..	0·8	..	30·6	0	26	5	0	0	0	0	0	8	23	0	0	0
Surendranagar	0830	74	1013·2	1004·6	+0·7	22·5	18·6	15·7	18·3	68	+9	(a) 0·8	−0·4	(a) 9·7	0	2	25	4	1	1	0	0	1	12	8	3	0
	1730	,,	1008·6	1000·4	..	33·9	23·3	16·9	20·0	38	..	0·6	..	9·8	0	5	23	4	2	1	1	1	0	14	5	3	0
Okha	0530	7	1011·7	1010·9	..	23·1	21·5	20·6	24·4	86	..	0·7	..	20·4	0	15	16	6	0	0	0	0	1	12	12	0	0
	0830	,,	1013·6	1012·8	..	23·6	21·3	20·0	23·5	81	..	0·8	..	20·3	0	12	19	7	0	0	0	0	3	11	10	0	0
	1130	,,	1014·7	1013·9	..	25·5	22·0	20·0	23·5	71	..	0·5	..	19·9	0	15	16	5	3	0	0	0	2	9	12	0	0
	1730	,,	1011·2	1010·4	..	25·8	22·4	20·4	24·3	73	..	0·3	..	23·4	0	25	5	0	0	0	0	0	1	14	15	1	0
	2330	,,	1012·9	1012·1	..	28·6	22·0	21·0	25·2	86	..	0·2	..	24·2	0	25	6	0	0	0	0	0	3	15	13	0	0
Jamnagar (Aerodrome)	0530	23	1011·4	1008·8	..	18·0	16·1	14·5	16·7	81	..	1·0	..	5·9	0	4	8	0	0	1	0	0	2	8	1	19	0
	0830	,,	1013·3	1010·6	+0·5	21·0	17·9	15·4	18·1	72	+1	1·7	+0·6	10·2	0	3	18	2	0	0	0	1	8	6	4	10	0
	1130	,,	1013·9	1011·3	..	28·0	19·3	12·7	15·3	41	..	0·6	..	21·4	0	19	12	7	5	0	0	0	0	11	8	0	0
	1730	,,	1010·1	1007·6	..	29·3	18·9	9·0	13·4	35	..	0·5	..	28·1	0	28	3	9	2	0	0	0	0	13	7	0	0
	2330	,,	1012·2	1009·6	..	21·9	19·0	17·1	18·6	75	..	0·1	..	15·4	0	9	21	3	1	0	0	0	0	20	6	1	0
Dwarka	0830	11	1013·4	1012·1	+0·4	23·7	22·0	21·0	25·0	85	+9	0·9	−0·9	11·4	0	7	23	12	0	0	0	0	0	14	4	1	0
	1730	,,	1010·9	1009·6	..	26·4	23·6	22·1	26·7	78	..	0·1	..	18·2	0	15	16	4	0	0	0	0	0	23	4	0	0
Rajkot	0530	138	1011·5	995·5	..	18·3	15·0	11·4	14·4	69	..	0·7	..	7·7	0	4	20	1	2	0	0	0	6	8	6	7	1
	0830	,,	1013·3	997·4	+0·5	21·5	17·4	13·6	16·6	66	0	0·7	−0·6	10·3	0	11	8	0	2	0	0	0	5	9	3	12	0
	1130	,,	1013·2	997·7	..	29·9	18·5	8·0	12·0	30	..	0·2	..	23·4	0	19	11	5	8	0	0	0	3	6	8	1	0
	1730	,,	1008·8	993·6	..	33·0	18·6	4·8	9·7	22	..	0	.	23·2	0	18	12	4	3	0	0	0	2	7	13	1	1
Bhavnagar Aerodrome	0830	11	1013·2	1012·0	+0·6	22·9	16·0	9·4	12·6	45	+4	0·7	−0·5	16·2	0	10	20	7	0	0	1	0	1	9	10	1	2
	1130	,,	1013·5	1012·3	..	30·1	18·4	8·2	11·6	28	..	0·6	..	21·6	0	20	10	7	11	5	0	0	0	3	4	1	0
	1730	,,	1009·0	1007·8	..	32·8	18·5	5·0	9·7	21		0·6	..	26·7	1	24	6	1	9	4	8	6	1	2	0	0	0
Porbander (Aerodrome)	0830	7	1013·4	1012·6	+0·9	23·4	19·2	16·2	18·9	67	−7	1·0	−0·1	7.5	0	1	27	5	4	1	1	1	3	2	11	3	0
	1130	,,	1013·9	1013·1	..	29·9	20·6	13·1	16·7	43	..	0·4	..	16·6	0	14	17	4	6	1	0	0	7	9	4	0	0
	1730	,,	1010·4	1009·6	..	28·6	21·4	16·2	19·6	52		0·2	..	23·8	0	26	5	1	1	0	0	0	5	24	0	0	0
Keshod	0830	51	1013·4	1007·4	..	21·6	16·6	11·3	14·9	59	..	0·5	..	10·0	0	1	29	6	8	5	0	1	1	2	7	1	0
	1130	,,	1013·5	1007·7	..	30·0	17·9	6·3	10·7	27	..	0·7	..	20·5	0	19	12	9	4	1	0	0	1	6	10	0	0
	1730	,,	1009·6	1003·9	..	32·0	18·6	5.1	10·6	24	..	0·2	..	29·2	0	28	2	4	0	1	0	0	3	18	4	1	0
Mahuva	0830	9	1012·1	1011·1	..	23·9	16·4	9·2	12·6	42	..	1·6		3·9	0	0	28	7	6	0	0	0	1	0	14	3	0
	1730	,,	1008·5	1007·5	..	30·1	20·7	13.4	16·7	43	..	(a) 1·7	..	(a) 6·5	0	1	29	2	2	1	6	6	13	0	0	0	0
Veraval	0230	8	1011·4	1010·5	..	21·4	17·8	14·3	17·5	70	..	0·6	..	15·3	0	7	24	15	3	0	0	0	0	4	9	0	0
	0530	,,	1011·1	1010·2	..	20·2	16·8	13·1	16·4	70	..	1·1	..	14·1	0	5	26	18	4	0	0	0	0	2	7	0	0
	0830	,,	1013·2	1012·3	+0·5	22·2	18·1	14·3	17·4	67	+4	1·2	+0·1	14.6	0	5	26	15	7	0	0	0	0	3	6	0	0
	1130	,,	1013·7	1012·8	..	29·8	20·9	12·2	17·5	47	..	0·9	..	22·6	0	21	10	5	7	1	0	0	0	10	8	0	0
	1430	,,	1011·4	1010·5	..	28·9	22·8	17·9	22·7	61	..	0·5	..	20·4	0	26	5	1	2	0	0	0	2	17	9	0	0
	1730	,,	1010·3	1009·4	..	26·6	23·2	21·4	25.6	74	..	0·4	..	26·2	0	25	6	0	0	0	0	0	2	18	11	0	0
	2030	,,	1011·5	1010·6	..	24·7	21·8	19·8	23·8	77	..	0·4	..	20·3	0	22	9	1	1	0	0	0	0	10	19	0	0
Konkan (including Goa)	2330	,,	1012·3	1011·4	..	23·0	20·3	18·3	21.6	77	..	0·4	..	15·2	0	8	23	13	1	0	0	0	0	5	12	0	0
Dahanu	0830	5	1012·2	1011·7	+0·4	22·9	20·4	18·6	21·8	76	+6	0·2	−1·5	7·0	0	0	31	4	1	12	13	0	0	1	0	0	0
	1730	,,	1009·8	1009·3	..	28·1	24·9	23·4	28·9	76	..	0	..	(a) 15·1	0	7	23	8	0	3	1	0	1	12	5	0	0
Bombay (Santa Cruz)	0230	14	1010·8	1009·1	..	21·5	19·1	17·4	20·1	78	..	0·2	..	2·3	0	0	10	5	3	0	0	0	0	0	2	21	0

(a) Mean of 30 days.

TABLE III—SUMMARY OF OBSERVATIONS AT FIXED HOURS—MARCH, 1965 (PHALGUNA 10, 1886—CHAITRA 10, 1887 SAKA)

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Konkan (Including Goa)—(*Contd.*)																											
Bombay (Santa Cruz)—*Contd.*	0530	14	1010·7	1009·0	..	20·7	18·6	17·2	19·7	81	..	0·6	..	3·1	0	0	19	4	8	6	0	0	0	0	1	12	0
	0830	,,	1012·8	1011·1	+0·4	24·7	20·1	17·1	19·7	64	−6	1·2	−0·1	2·6	0	0	14	2	5	4	1	1	0	0	1	17	0
	1130	,,	1013.0	1011·3	..	30·2	21·6	15.9	18·8	45	..	0·8	..	12·3	0	0	30	1	2	1	1	0	2	11	12	1	0
	1430	,,	1010.5	1008·9	..	30·6	22·2	17·2	19·9	46	..	0·5	..	18·1	0	9	22	2	0	0	0	0	2	7	20	0	0
	1730	,,	1009·7	1008·1	..	29·1	21·5	16·8	19·5	49	..	0·6	..	18·5	0	11	20	3	0	0	0	0	1	4	23	0	0
	2030	,,	1011·2	1009·5	..	25·4	20·9	18·1	21·0	65	..	0·6	..	10·4	0	0	29	10	0	0	0	0	1	3	15	2	0
	2330	,,	1012·0	1010·3	..	23·2	20·0	17·9	20·8	73	..	0·6	..	3·0	0	0	15	4	3	0	1	0	1	0	6	16	0
Bombay . . .	0830	11	1012·6	1011·4	+0·3	24·7	21·5	19.7	22·9	74	+1	1·5	+0·2	7·1	0	0	31	8	5	5	8	1	0	0	4	0	0
	1130	,,	1013·0	1011·8	..	28·6	22·6	19·2	22·5	58	..	1·0	..	9·2	0	1	29	3	1	1	3	1	2	4	15	1	0
	1730	,,	1009·8	1008·6	..	28·0	22·7	19·8	23·2	61	..	0·7	..	15·9	0	9	22	2	0	0	0	0	2	4	23	0	0
Alibag . . .	0830	7	1012·9	1012·1	+0·9	23·9	20·5	18·5	21·4	72	+7	0·8	−0·5	5.0	0	0	27	12	2	8	1	1	0	0	3	4	0
Bhira . . .	0830	96	1012·3	1001·3	..	21·0	17·1	14·2	16·3	66	..	0·6	..	1·2	0	0	6	1	1	0	0	2	1	0	1	25	0
	1730	,,	1007·8	997·3	..	34·7	20·9	11·1	13·5	25	..	0·5	..	4·5	0	0	29	0	0	0	0	0	13	5	11	2	0
Harnai . . .	0830	20	1012.2	1009·9	+0·9	24·9	20·7	18·2	21·0	67	−2	1·7	+0·4	8·1	0	0	26	7	11	5	3	0	0	0	0	5	0
	1730	,,	1009·6	1007·3	..	27·1	23·8	22·1	26·9	76	..	1·2	..	26·8	0	23	8	10	0	0	0	0	1	4	16	0	0
Ratnagiri . .	0830	35	1012·3	1008·3	+0·5	24.3	21·0	19·1	22·2	70	..	1·9	..	5.0	0	0	29	2	11	10	6	0	0	0	0	2	0
	1730	,,	1009·4	1005·5	..	28·8	23·5	20·9	24·7	63	..	0·5	..	11·1	0	0	31	2	1	0	0	0	1	13	14	0	0
Devgarh . . .	0830	36	1012·4	1008·4	+0·8	24·4	22·2	21·1	25·0	82	+5	1·7	−0·6	9·5	0	1	29	3	7	15	3	2	0	0	0	1	0
	1730	,,	1009·3	1005·3	..	29·0	24·6	22·4	27 3	68	..	0·9	..	28·6	0	27	4	0	0	0	0	0	0	3	28	0	0
Vengurla . .	0230	9	1011·0	1010·0	..	22·7	20·9	20·0	23·2	85	..	0·7	..	..	..	..	..	5	0	0	0	0	0	0	1	25	0
	0530	,,	1010·5	1009·5	..	21·7	20·5	19·8	23 1	89	..	1·2	..	..	..	..	..	9	1	0	1	0	0	0	1	19	
	0830	,,	1013·0	1012·0	+1·0	24·2	21·7	20·3	23·8	79	+4	0·9	−0·9	..	..	..	.	4	4	1	0	1	0	0	1	20	
	1130	,,	1013·0	1012·6	..	29·9	23·3	19·6	23·2	56	..	0·8	..	..	..	..	..	3	2	0	2	0	10	9	3	2	0
	1730	,,	1009·6	1008·6	..	29·1	23.5	20·5	24·4	60	..	1·2	..	..	..	..	..	0	0	0	0	0	1	24	6	0	0
	2330	,	1011·8	1010·8	..	24·2	21·9	20·7	24·4	81	..	0·4	..	..	..	..	..	11	0	0	0	0	0	1	1	18	0
Panjim . .	0530	60	1010·3	1003·4	..	22·9	21·1	20·1	23·5	84	..	0·9	..	8·6	0	1	29	4	11	9	6	0	0	0	0	1	0
	0830	,,	1012·6	1005·8	..	23.9	21·7	20·5	24·1	82	..	2·2	..	5·0	0	0	29	1	8	13	7	0	0	0	0	2	0
	1130	,,	1012·8	1006·1	..	29·6	23·0	19·4	22·7	55	..	1·7	..	12·2	0	2	29	1	0	0	0	3	6	16	5	0	0
	1430	,,	1010·4	1003·7	..	30·3	23·7	20·3	23·8	56	..	0·9	..	18·8	0	15	16	0	0	0	0	0	1	23	7	0	0
	1730	,,	1009·3	1002·6	..	29·0	23·4	20·5	24·3	61	..	1·5	..	17·0	0	8	23	1	0	0	0	0	1	11	18	0	0
	2030	,,	1010·7	1003·9	..	26·5	22·7	20·8	24.4	71	..	0·5	..	10·5	0	1	30	6	0	0	0	0	0	3	22	0	0
	2330	,,	1011·7	1004·9	..	25·2	22·1	20·4	24·1	75	..	0·5	..	7.7	0	1	25	6	4	1	0	0	0	0	5	5	0
Marmugao . .	0530	62	1009·9	1002·9	..	24·2	22·0	20·7	24·6	81	..	1·4	..	9·7	0	3	25	7	7	4	5	2	1	0	0	3	0
	0830	,,	1011·9	1004·9	..	26·0	22·6	20·8	24·6	73	..	1·8	..	10·3	0	2	29	2	10	3	3	3	7	2	1	0	0
	1130	,,	1012·3	1005·4	..	28·1	23·3	20.8	24.7	65	..	1·0	..	14·4	0	1	30	2	0	0	1	3	10	6	9	0	0
	1730	,,	1008·7	1001·8	..	28·2	23.9	21.7	26·1	68	..	1·1	..	21·6	0	17	14	1	0	0	0	0	2	7	21	0	0
Dabolim (Naval Air Station) . .	0530	52	1010·7	1004·7	..	23·6	21·7	20 5	24·4	84	..	1·9	..	7·4	0	0	19	3	14	3	1	1	0	0	0	12	0
	0830	,,	1013·0	1007·2	..	25·2	22·5	21·4	25·2	78	..	2·6	..	4·9	0	0	14	1	3	3	2	4	1	0	0	17	0
	1130	,,	1013·3	1007·5	..	28·3	23·1	20·2	24·0	63	..	1·6	..	17·0	0	6	25	3	0	0	0	1	8	12	7	0	0
	1730	,,	1009·6	1003·8	..	28·4	23·7	21·1	25·5	64	..	1·7	..	25·8	0	26	5	3	0	0	0	0	0	7	21	0	0
Madhya Maharashtra																											
Nandurbar . .	0830	206	1012·8	989·4	..	24·6	15·9	8·2	11·1	39	..	0·2	..	5·2	0	0	29	2	1	6	0	1	1	18	9	2	0
	1730	,,	1007·5	985·3	..	34·5	19·1	6·0	9·6	18	..	0·5	..	4·7	0	0	30	2	0	4	0	0	0	24	0	1	0
Jalgaon . . .	0830	201	1012·9	989·8	+1·1	22·1	13·9	5·3	9·3	35	−3	2·4	+1·3	9·5	0	1	27	0	1	5	4	1	6	6	5	3	0
	1730	,,	1007·0	985·0	..	35·7	18·2	0·4	6·7	12	..	2·8	..	16.6	0	10	19	2	1	2	1	0	3	4	16	2	0
Malegaon . .	0830	437	1013·2	963·8	+0·6	21·2	13·5	5·8	9 3	37	−3	1·5	+0 4	5·4	0	0	30	3	1	1	0	0	9	4	12	1	0
	1730	,,	1006·6	959·4	..	34·2	18·8	5·9	9·2	19	..	2·7	..	10·3	0	4	25	4	4	1	0	2	1	9	8	2	0
Ozar . . .	0830	608	..	..	..	21·7	14·0	7·2	10·4	41	..	(d) 1.0	..	(d) 8·4	0	3	19	3	2	2	0	0	3	6	6	5	0
	1130	,,	..	..	..	30·4	17·1	6·7	9·8	23	..	(d) 1·1	..	(d) 16·6	0	10	15	1	2	4	6	1	0	2	9	2	0
	1730	,,	..	..	..	32·6	18·0	6·8	10.0	21	..	(d) 1.8	..	(d) 20·3	0	14	13	0	1	3	1	0	3	7	12	0	0
Deolali (Aerodrome)	0830	571	1013·9	949·7	..	21·3	13·4	6·3	9·7	40	..	1·2	..	5·4	0	0	25	3	2	1	0	6	7	4	2	6	0
	1730	,,	1007·8	946·2	..	32·2	16·4	2·1	7·2	15	..	1·6	..	15·7	0	7	23	1	1	0	0	1	5	18	4	1	0
Ahmadnagar .	0830	657	1012·5	939 4	+0·1	22·0	13·5	6·0	9·3	36	+6	1·7	+0·9	6·1	0	0	26	2	0	0	2	1	0	0	21	5	0
	1730	,,	1005·4	935·6	..	33·9	17·6	4 1	8·2	16	..	3·1	..	11·2	0	2	29	3	4	0	1	0	4	1	17	0	0
Poona (Aerodrome) .	0230	593	1011·1	944 4	..	19·8	14·1	10·0	11·9	55	..	0 3	..	9·7	0	1	24	0	0	0	0	0	0	19	6	6	0
	0530	,,	1011·5	944·4	..	17·9	13·6	9·9	12·4	61	..	0·4	..	8·9	0	2	18	0	0	0	0	0	1	14	5	11	0
	0830	,,	1012·7	946·3	..	21·4	14·5	8·6	11·5	46	..	1·6	..	10·3	0	2	22	0	0	1	0	0	2	18	3	7	0
	1130	,,	1010·9	946·4	..	30.5	16·6	4·9	8·8	20	..	1·1	..	16·0	0	7	23	0	5	6	1	0	1	11	6	1	0

(d) Mean of 27 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Maharashtra—*(Contd.)*																											
Poona (Aerodrome)—*Contd.*	1730	593	1006.3	942.6	..	32.6	17.7	5.8	9.4	19	..	1.5	..	25.6	0	23	7	2	0	0	1	0	0	23	4	1	0
	2330	"	1011.5	945.4	..	22.3	15.7	10.5	13.0	48	..	0.3	..	14.4	0	3	28	1	1	0	0	0	0	23	6	0	0
Poona	0530	559	1011.9	948.2	..	16.5	11.9	7.3	10.7	57	..	0.3	..	0.3	0	0	2	0	0	0	0	0	0	2	0	29	0
	0830	"	1012.9	950.3	+0.5	21.7	14.5	8.6	11.2	44	0	1.2	+0.4	1.0	0	0	6	0	1	0	0	0	0	5	0	25	0
	1130	"	1010.9	950.1	..	30.9	16.8	4.9	8.8	20	..	0.8	..	6.3	0	1	23	3	1	8	1	0	0	7	4	7	0
	1430	"	1007.0	947.1	..	33.8	17.8	5.0	8.7	17	..	1.3	..	6.9	0	0	24	2	0	3	1	0	0	11	7	7	0
	1730	"	1006.4	946.3	..	32.6	17.9	6.6	9.8	20	..	0.8	..	8.8	0	2	23	1	0	1	0	0	0	20	3	6	0
	2030	"	1009.9	948.5	..	26.8	17.0	10.1	12.2	36	..	0	..	7.5	0	1	28	0	0	0	0	0	0	28	1	2	0
	2330	"	1011.7	949.3	..	22.5	15.3	9.8	12.2	45	..	0	..	1.8	0	0	9	0	0	0	0	0	1	7	1	22	0
Jeur	0830	521	1012.0	953.7	+0.1	22.7	14.5	7.6	10.5	39	−3	1.3	+0.1	4.6	0	0	21	1	1	1	2	1	0	8	7	10	0
	1730	"	1004.9	949.3	..	35.4	18.4	4.8	8.7	15	..	2.6	..	8.4	0	0	31	5	1	1	0	2	4	11	7	0	0
Baramati	0830	551	1012.6	951.0	+0.1	21.8	15.1	9.7	12.3	47	+2	0.7	−0.4	6.5	0	1	29	6	0	0	1	2	1	7	13	1	0
	1730	"	1005.4	946.6	..	34.6	20.2	10.7	13.1	24	..	0.9	..	11.1	0	3	28	6	2	1	1	7	5	3	6	0	0
Sholapur	0530	479	1010.1	956.6	..	22.9	14.9	8.8	11.2	41	..	0.5	..	4.5	0	0	25	4	2	2	6	5	0	0	6	6	0
	0830	"	1012.2	959.0	+0.8	25.8	16.5	9.5	12.3	36	+1	3.5	+2.5	7.4	0	0	31	0	8	0	12	0	2	0	9	0	0
	1130	"	1010.5	958.5	..	33.1	19.3	9.8	12.2	24	..	0.2	..	8.3	0	0	30	5	5	0	3	9	3	1	4	1	0
	1730	"	1005.4	954.1	..	35.3	19.9	9.5	11.9	21	..	2.3	..	7.0	0	0	31	4	0	1	3	4	6	5	8	0	0
	2330	"	1009.7	957.0	..	27.9	16.6	7.9	10.7	28	..	1.5	..	5.3	0	0	26	4	3	1	6	2	1	4	5	5	0
Miraj	0830	554	1013.1	951.1	+0.8	21.9	16.6	12.9	15.1	58	+6	1.9	0.9	..	..	..	..	2	0	1	0	0	0	3	1	24	0
	1730	"	1005.9	946.8	..	34.4	21.2	13.2	15.5	29	..	3.2	..	..	..	..	..	0	1	0	2	0	3	10	4	11	0
Kolhapur	0530	570	1010.6	946.6	..	19.6	15.1	11.6	13.9	63	..	0.8	..	3.9	0	0	24	0	2	3	0	1	1	17	0	7	0
	0830	"	1012.4	948.9	+0.4	22.7	16.1	11.1	13.6	49	−7	1.0	+0.1	2.7	0	0	16	0	4	2	1	1	0	5	3	15	0
	1130	"	1010.4	948.9	..	32.1	17.8	6.7	9.9	21	..	0.4	..	6.6	0	0	27	1	7	12	1	1	2	1	2	4	0
	1730	"	1005.9	944.9	..	33.1	19.1	9.3	11.9	24	..	0.8	..	14.8	0	4	27	1	0	2	1	0	0	20	7	0	0
	2330	"	1011.4	947.9	..	22.7	17.7	14.3	16.6	61	..	0.3	..	9.2	0	1	30	0	0	0	0	0	2	26	3	0	0
Marathwada																											
Aurangabad	0830	581	1012.4	948.1	+0.2	24.8	15.0	6.3	9.9	32	0	1.3	+0.2	5.1	0	1	22	4	5	6	0	3	2	0	3	8	0
	1730	"	1005.9	943.8	..	33.9	18.3	6.1	9.6	19	..	3.2	..	5.1	0	0	23	4	0	0	0	0	3	11	5	8	0
Aurangabad (Chikalthan)	0230	579	1010.1	945.4	..	21.6	12.6	3.3	8.1	31	..	0.8	..	5.7	0	1	13	1	2	1	1	0	0	6	3	17	0
	0530	"	1010.6	945.6	..	19.5	11.7	3.4	8.1	36	..	0.7	..	5.1	0	0	13	3	0	1	0	0	0	8	1	18	0
	0830	"	1011.8	947.7	..	25.1	14.8	5.4	9.3	30	..	1.3	..	8.2	0	0	22	3	0	2	2	0	1	5	9	9	0
	1130	"	1010.5	947.7	..	31.0	17.1	5.3	9.3	21	..	1.2	..	12.1	0	3	24	3	2	3	5	1	3	5	5	4	0
	1430	"	1006.7	944.7	..	33.0	17.8	3.5	9.3	17	..	2.6	..	12.0	0	0	27	1	1	0	2	1	2	14	6	4	0
	1730	"	1005.7	943.6	..	33.4	17.8	4.8	9.0	18	..	2.7	..	12.2	0	4	23	3	0	1	2	0	2	9	10	4	0
	2030	"	1008.8	945.4	..	27.4	15.4	4.7	8.8	24	..	1.5	..	8.9	0	2	16	5	0	1	1	0	0	7	4	13	0
	2330	"	1010.5	946.4	..	24.3	13.8	3.8	8.2	28	..	1.0	..	8.3	0	2	15	2	2	1	0	0	0	7	5	14	0
Parbhani	0830	423	1012.6	965.3	+1.0	24.6	13.9	1.7	7.3	23	−17	1.5	+0.3	3.3	0	0	29	2	1	1	7	2	5	7	4	2	0
	1730	"	1006.0	960.5	..	35.1	17.7	−1.3	6.7	11	..	1.1	..	6.8	0	0	27	4	1	2	5	0	3	6	6	4	0
Nander	0830	358	1012.0	972.1	..	27.5	19.2	13.9	15.5	45	..	..	..	2.8	0	0	15	1	1	0	2	2	3	6	0	16	0
	1730	"	1006.8	968.1	..	35.5	22.5	14.3	16.9	29	..	..	..	5.0	0	0	23	3	3	1	3	0	2	4	7	8	0
Bir	0830	519	1013.2	955.2	..	23.2	16.1	10.8	13.1	46	..	1.2	..	5.7	0	1	24	0	1	0	2	0	6	0	16	6	0
	1730	"	1007.2	951.5	..	34.6	20.6	11.7	14.0	25	..	2.7	..	9.8	0	1	29	0	3	0	4	0	5	0	18	1	0
Vidarbha																											
Gondia	0830	313	1013.1	977.7	+0.7	23.2	16.4	10.7	13.1	47	0	2.4	+0.9	2.3	0	0	23	2	6	0	8	2	0	1	3	8	1
	1730	"	1007.5	973.2	..	32.0	18.7	6.9	10.7	24	..	2.4	..	3.0	0	0	28	6	1	2	0	5	5	4	5	3	0
Nagpur—(Sonegaon)	0230	310	1009.8	974.6	..	21.6	14.7	7.6	11.3	43	..	1.6	..	3.7	0	0	22	3	5	4	1	0	0	2	7	9	0
	0530	"	1010.7	975.2	..	19.9	14.0	8.0	11.3	49	..	1.8	..	3.5	0	0	24	8	6	2	0	0	0	0	8	7	0
	0830	"	1012.7	977.7	+0.9	24.3	15.9	8.1	11.2	38	0	2.0	+0.6	6.2	0	1	28	5	9	7	3	1	1	0	3	2	0
	1130	"	1011.4	977.2	..	31.6	18.3	6.7	10.4	22	..	2.1	..	9.7	0	4	27	3	11	1	4	4	2	1	5	0	0
	1430	"	1007.6	973.8	..	34.4	18.8	4.6	9.0	17	..	2.9	..	11.5	0	4	27	5	2	2	3	2	5	5	7	0	0
	1730	"	1006.6	972.8	..	33.4	18.1	3.8	8.4	17	..	2.7	..	9.7	0	2	26	3	4	0	4	3	5	5	4	3	0
	2030	"	1009.4	974.7	..	26.9	16.3	6.4	10.2	29	..	2.3	..	6.9	0	2	25	4	3	4	6	1	1	4	4	4	0
	2330	"	1010.4	975.4	..	24.1	15.6	7.5	10.9	37	..	2.1	..	5.0	0	0	25	6	4	2	4	1	1	2	5	6	0
Amraoti	0830	370	1012.3	970.9	+0.7	25.9	15.0	3.3	8.2	25	−7	1.8	+0.6	3.5	0	0	28	2	12	3	5	0	3	3	0	3	0
	1730	"	1006.4	966.4	..	34.0	17.5	0.3	6.2	13	..	2.7	..	6.7	0	0	31	2	2	1	3	2	7	7	7	0	0
Akola Aerodrome	0530	309	1009.5	974.2	..	21.2	12.4	1.8	7.3	29	..	1.9	..	10.1	0	1	29	3	2	4	1	1	8	8	3	1	0
	0830	"	1011.7	976.8	..	24.5	14.6	4.9	8.7	28	..	2.0	..	9.8	0	1	30	3	6	4	0	1	4	8	5	0	0
	1130	"	1010.8	976.7	..	32.0	17.8	4.6	8.8	19	..	1.7	..	11.9	0	2	29	3	6	3	0	3	2	2	12	0	0
	1730	"	1005.7	972.1	..	34.9	18.2	1.8	7.3	13	..	3.1	..	11.7	0	3	28	4	0	0	1	0	4	9	13	0	0
	2330	"	1009.2	974.6	..	26.6	14.9	2.1	7.5	22	..	2.2	..	11.0	0	1	30	1	5	2	3	1	3	7	9	0	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed (km. p. h.): 62 or more	Wind speed (km. p. h.): 30 to 61	Wind speed (km. p. h.): 1 to 19	No. of observation, Wind direction: N	NE	E	SE	S	SW	W	NW	Clm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Vidarbha—*Contd.*																											
Akola	0830	282	1012·3	980.3	+0·3	24·1	15·0	6·3	9·7	33	+1	2·3	+1·0	1·5	0	0	19	0	2	5	0	0	0	11	1	12	0
	1730	"	1006·1	975·5	..	35·3	19·0	4·2	8·7	15	..	3·2	..	2·5	0	0	28	0	2	4	0	0	2	15	5	3	0
Bramhapuri	0830	229	1012·9	986·8	..	24·5	17·1	11·0	13·3	44	..	1·9	..	3·0	0	0	29	6	4	3	9	6	1	0	0	2	0
	1730	"	1007·5	982·4	..	34·0	20·0	9·4	12·0	24	..	2·3	..	4·0	0	0	26	4	4	3	4	4	4	2	1	5	0
Buldana	0830	650	1012·0	940·0	+0·7	23·7	14·3	5·6	9·5	33	−9	1·2	−0·2	11·4	0	0	30	3	1	3	5	1	0	0	17	1	0
	1730	"	1005·9	936·2	..	31·8	17·0	4·7	8·6	18	..	2·9	..	8·0	0	0	30	3	4	0	2	0	1	2	18	1	0
Yeotmal	0830	451	1011.5	961·4	+0·1	26·2	15·1	2·9	8·2	24	−14	2·3	0	9·3	0	1	30	6	1	10	2	6	0	5	1	0	0
	1730	"	1005·8	957·3	..	34·1	17·4	(a) −0·3	6·3	12	..	2·4	..	10·5	0	5	26	3	2	2	3	3	4	12	2	0	0
Chanda	0830	193	1012·2	990·3	+0·3	25·1	17·2	10·7	13·2	42	0	2·1	+0·9	4·7	0	0	29	2	2	3	10	5	0	2	5	2	0
	1730	"	1006·6	985·5	..	35·0	19·3	5·9	9·6	17	..	2·7	..	5·0	0	0	31	4	4	1	5	7	2	3	5	0	0
Pusad	0830	334	1012·5	974·9	..	24·9	16·4	8·7	11·7	39	..	2·3	..	4·3	0	0	24	2	1	4	1	0	1	2	13	7	0
	1730	"	1006·4	970·3	..	35·3	21·0	9·7	13·2	24	..	3·1	..	5·9	0	0	31	0	3	2	4	0	13	1	8	0	0
Sironcha	0830	123	1013·3	999·3	+0·8	26·0	20·0	16·0	18·5	55	−2	1·9	+0·2	3·3	0	0	31	0	1	1	28	1	0	0	0	0	0
	1730	"	1007·6	994·1	..	35·4	21·1	11·0	13·4	24	..	2·1	..	6·2	0	0	29	0	2	0	10	5	8	1	3	2	0
Coastal Andhra Pradesh																											
Kalingapatam	0830	6	1013·7	1013·0	+1·3	26·1	23·4	22·0	26·6	78	+3	1·4	−0·3	7·9	0	3	27	4	2	0	0	7	8	1	6	1	2
	1730	"	1010·2	1009·5	..	28·0	24·9	23·4	28·9	77	..	1·1	..	11·2	0	3	28	0	1	0	0	12	9	0	0	0	3
Vishakhapatnam	0230	3	1011·1	1010·7	..	23·8	21·9	20·9	24·7	84	..	0·9	..	0·7	0	0	2	0	0	0	0	0	0	1	1	29	0
	0530	"	1011·5	1011·1	..	22·7	21·1	20·3	23·7	86	..	0·8	..	0.5	0	0	3	0	0	0	0	0	0	1	2	28	0
	0830	"	1013·7	1013·3	+1·2	26·9	22·9	20·8	24·6	79	−3	1·6	−0·7	3·9	0	0	11	0	0	0	0	0	5	3	3	20	0
	1130	"	1012·9	1012·5	..	32·0	23·4	18·7	21·7	46	..	1·3	..	13.7	0	5	26	0	0	0	8	2	18	1	1	0	1
	1430	"	1010·1	1009·7	..	32·1	23·1	18·5	20·9	45	..	1·0	..	16·5	0	8	23	0	0	0	7	7	15	1	1	0	0
	1730	"	1010·0	1009·6	..	28·9	23·2	20·2	23·8	60	..	1·5	..	14·1	0	5	26	0	0	0	4	9	17	0	0	0	1
	2030	"	1012.1	1011·7	..	26·6	23·4	21·7	26·1	75	..	0·5	..	3·9	0	1	12	0	0	0	1	3	6	2	1	18	0
	2330	"	1012·5	1012·1	..	25·1	22.6	21·3	25·3	79	..	0·6	..	1·8	0	0	7	0	0	0	0	0	3	2	2	24	0
Kakinada	0830	8	1013·7	1012·8	+1·0	25·8	22·1	20·0	23·5	70	−4	2·1	−0·6	6·7	0	0	29	1	12	0	14	0	2	0	0	2	0
	1730	"	1009·7	1008·8	..	29·3	23·2	20·0	23·5	58	..	1·0	..	14.9	0	3	28	0	0	0	27	4	0	0	0	0	0
Nidadavole	0830	12	1013.5	1012·1	..	25·6	22·7	21·2	25·3	77	..	3·4	..	6·0	0	0	31	4	17	8	1	1	0	0	0	0	0
	1730	"	1009.4	1008·0	..	31·0	23·9	20·3	23·8	54	..	2·7	..	6·2	0	0	31	0	1	5	2	10	7	6	0	0	0
Rentachintala	0830	106	1012.4	1000·4	..	27·1	22·0	20·0	23·5	66	+4	0·9	−2·2	2·7	0	0	29	0	0	13	0	15	0	1	0	2	0
	1730	"	1007·9	996·3	..	35·2	23·2	16·3	18·6	34	..	1·1	..	2·8	0	0	29	1	0	24	0	3	0	1	0	2	0
Gannavaram	0230	24	1010·4	1007·7	..	23·2	21·9	21·3	25·3	89	..	1·4	..	4·3	0	0	17	2	0	5	5	4	0	0	1	14	0
	0530	"	1010·9	1008·1	..	22·4	21·8	21·4	25·6	92	..	2·0	..	4·1	0	0	16	2	0	8	4	1	0	0	1	15	0
	0830	"	1013·3	1010·5	+0·8	26·2	23·5	22·1	26·6	78	+2	3·2	+0·5	9·8	0	2	28	0	2	11	7	10	0	0	0	1	0
	1130	"	1012·6	1009·9	..	31·5	23·3	19·2	21.8	48	..	1·9	..	12·5	0	4	27	0	0	3	10	14	3	1	0	0	0
	1430	"	1019·5	1006·8	..	33·6	22·7	16·3	18·6	37	..	1·7	..	13·8	0	8	23	0	0	3	14	13	1	0	0	0	0
	1730	"	1019·1	1006·4	..	31·7	22·8	17·6	20·5	45	..	1·4	..	16·0	0	10	21	0	0	4	12	15	0	0	0	0	0
	2030	"	1011·4	1008·7	..	26·2	22·5	20·3	24·1	71	..	0·8	..	8·5	0	1	28	0	0	1	12	16	0	0	0	2	0
	2330	"	1012·0	1009.3	..	24·3	22·3	21·3	25·3	83	..	0·8	..	4·6	0	1	18	0	0	4	8	5	1	0	1	12	0
Nagarjunakonda (R)	0830	126																									
(R)	1730	"																									
Masulipatam	0830	3	1013·1	1012·8	+0·7	26.4	23·8	22·5	27·4	79	0	2·4	+0·1	2·7	0	0	21	1	1	5	5	4	2	0	2	10	1
	1730	"	1009·7	1009.4	..	28·5	23·7	21·3	25.3	66	..	(a) 1·4	..	4·5	0	0	31	0	0	11	14	1	0	0	0	0	5
Ongole	0830	12	1012·8	1011·5	..	27·5	24·7	23·4	28·8	79	..	2·3	..	(a) 2.5	0	0	22	0	0	2	16	0	0	2	2	8	0
	1730	"	1009·1	1007·9	..	29·5	25·2	23·0	28·6	69	..	1·2	..	6·3	0	0	31	0	0	26	5	0	0	0	0	0	0
Nellore	0530	20	1010·8	1008·5	..	23·3	22·4	21·9	26·3	92	..	1·3	..	2·9	0	0	23	0	2	8	9	1	2	0	1	8	0
	0830	"	1012·7	1010·4	+0·7	27·2	23·9	22·3	26·9	74	−4	2·5	+0·4	5·4	0	0	24	0	0	1	17	4	1	1	0	7	0
	1130	"	1012·2	1009·9	..	32·4	24·9	21·3	25·3	52	..	1·5	..	6·8	0	0	31	1	2	7	13	7	1	0	0	0	0
	1730	"	1009·1	1006·9	..	30·0	24·9	22·3	27·3	65	..	2·1	..	11·7	0	1	30	0	3	24	4	0	0	0	0	0	0
	2330	"	1011·9	1009·7	..	25·4	23·7	22·9	27·9	86	..	1·1	..	3·2	0	0	26	0	2	15	9	0	0	0	0	5	0
Telangana																											
Ramgundam	0830	156	1012.5	994·8	+0·3	26·8	19·8	15·1	17·4	48	−4	2·0	+0·1	4·6	0	0	27	2	2	3	15	5	0	0	0	4	0
	1730	"	1007·1	990·0	..	35·3	20·8	10·3	12·8	23	..	1·3	..	3·7	0	0	27	1	2	3	9	9	1	0	2	4	0
Nizamabad	0830	381	1012·1	969·7	+0·5	26·9	17·1	8·8	11·5	34	−10	1·7	+0·5	1·0	0	0	9	0	0	0	0	1	1	3	4	22	0
	1730	"	1006·2	965·1	..	35·5	19·7	7·3	10·0	20	..	2·1	..	1·2	0	0	11	0	5	1	2	0	0	0	3	20	0
Hanamkonda	0830	269	1012·4	982·0	+0·1	24·3	20·5	18·0	21·9	69	+7	1·3	+0·7	1·7	0	0	28	1	0	0	2	25	0	0	0	3	0
	1730	"	1009·0	979·6	..	33·3	20·2	10·5	13·0	27	..	0·4	..	2·0	0	0	31	3	0	0	13	14	0	1	0	0	0
Hakimpet (Aerodrome)	0530	613	1010·3	942·0	..	21·5	16·1	11·9	13·9	57	..	1·8	..	10·9	0	1	28	2	1	2	15	6	0	1	2	2	0
	0830	"	1011·5	944·0	..	25·0	17·9	12·4	14·4	49	..	2·1	..	12·2	0	2	28	3	1	1	13	3	3	5	1	1	0

(R) Register not received. (a) Mean of 30 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Interior Mysore North—Contd.																											
Gulbarga	0830	458	1011·9	961·1	+0·7	27·5	16·6	8·1	10·9	32	−9	1·3	+0·6	6·3	0	0	23	3	2	4	4	6	0	0	4	8	0
	1730	,,	1005·6	956·5	..	35·0	18·1	4·9	8·4	15	..	3·4	..	8·3	0	1	27	1	3	5	6	4	3	4	2	3	0
Bijapur	0830	594	1011·9	946·1	+0·4	24·2	17·0	12·2	14·2	48	+1	0·7	−0·2	1·5	0	0	21	12	0	0	4	3	0	0	2	10	0
	1730	,,	1004·5	941·2	..	34·5	20·8	12·5	14·5	28	..	2·7	..	1·8	0	0	24	9	2	1	1	4	2	4	1	7	0
Raichur	0830	400	1012·2	967·8	+1·1	26·6	18·9	13·8	15·6	44	−3	3·1	+2·1	3·5	0	0	22	2	3	0	8	0	5	0	3	9	1
	1730	,,	1006·2	963·3	..	35·0	21·3	11·5	14·1	27	..	2·9	..	5·5	0	0	31	0	9	0	18	0	3	0	1	0	0
Belgaum	0830	753	1012·6	929·3	+0·4	20·7	16·1	12·9	15·0	63	+3	0·7	−0·2	1·2	0	0	10	1	0	4	0	2	1	2	0	21	0
	1730	,,	1006·3	925.8	..	30·1	20·1	13·7	16·2	39	..	1·6	..	6·0	0	0	31	3	0	0	0	0	0	18	9	0	1
Belgaum (Samra)	0530	747	1010.9	927.8	..	19·4	15·0	11·5	13·8	64	..	1·6	..	2·9	0	0	17	4	3	1	2	2	1	2	2	14	0
	0830	,,	1012.2	929.9	..	22·9	16·2	11·1	13·6	50	..	1·6	..	3·9	0	0	25	2	10	4	3	0	0	5	1	6	0
	1130	,,	1010.2	930.0	..	30·1	17·0	6·2	9·8	23	..	0·9	..	8·5	0	1	29	5	8	1	4	3	3	3	3	1	0
	1430	,,	1006.3	927.1	..	32·9	17·7	5·4	9·1	18	..	2·5	..	9·9	0	3	28	3	2	3	2	2	6	7	6	0	0
	1730	,,	1005·9	926·3	..	31·4	19·2	10.6	13·3	30	..	2·7	..	15·0	0	10	21	1	3	0	0	0	5	18	3	0	0
	2030	,,	1009·6	928·1	..	25·1	20·0	17·0	19·9	62	..	1·0	..	11·8	0	2	29	0	0	0	0	0	3	25	3	0	0
Gadag	0530	650	1010·6	938·4	..	21·4	18·5	16·8	19·3	76	..	0·5	..	4·0	0	0	22	0	0	0	2	5	7	7	1	9	0
	0830	,,	1012·3	940·4	+0·6	23·3	19·0	16·4	18·8	67	+10	0·9	0	5·0	0	0	24	0	1	2	3	4	9	3	2	7	0
	1130	,,	1010·4	940·4	..	31.2	19·8	12·5	14·8	33	..	0·3	..	6·6	0	1	24	0	1	2	5	4	5	5	3	6	0
	1430	,,	1006·2	937·3	..	34·8	20·7	11·7	14·1	25	..	0·3	..	6·5	0	0	29	0	6	4	1	4	4	8	2	2	0
	1730	,,	1005·3	936·3	..	34·2	20·2	11·2	13·4	26	..	3·3	..	5·0	0	0	24	2	3	2	2	1	9	3	2	7	0
	2030	,,	1008·3	938·1	..	29·4	19·1	12·2	14·6	36	..	1·5	..	7·4	0	2	25	0	1	7	8	0	1	10	0	4	0
	2330	,,	1010·5	939·2	..	25·7	19·9	16·5	19·0	59	..	1·0	..	8·8	0	3	28	0	1	0	4	0	4	22	0	0	0
Interior Mysore South																											
Bellary	0830	449	1011·8	961.8	+0·6	25·2	18·1	12·6	15·0	46	0	0·8	−0·4	4·0	0	0	19	0	3	1	2	6	3	0	4	12	0
	1730	,,	1005.7	957·6	..	35·3	20·0	7·8	10·9	19	..	3·0	..	7·7	0	0	30	0	3	1	14	3	3	0	6	1	0
Chitradurga	0830	733	1011·7	931·3	+0·3	24·2	18·9	15·5	17·9	61	+11	0·5	−0·8	3·9	0	0	22	0	0	0	2	4	8	5	2	9	1
	1730	,,	1004·9	927·3	..	33.1	22·4	16·1	19.3	38	..	1·5	..	2·8	0	0	19	3	0	12	1	0	0	3	0	12	0
Shimoga	0830	571	1012·7	948·9	+4.0	21·7	19·4	18·1	20·8	81	+4	4.7	+2·1	2·6	0	0	31	2	2	5	2	5	10	5	0	0	0
	1730	,,	1005·3	944·1	..	32·8	20·2	11·0	14·0	30	..	4·3	..	6·4	0	0	29	2	6	5	2	4	5	5	0	2	0
Agumbe	0830	..	..	..	..	20·6	19·3	18.5	21·4	88	..	..	.	..	..	..	..	..	..	.	.	..	..	..	..	..	..
Balehonnur	0830	..	..	..	..	20·7	18·3	16·4	19·3	86	+1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hassan	0830	960	1522·7	907·7	..	19·6	17·5	16·1	18·5	81	+16	0·3	−1·2	2·6	0	0	29	0	0	5	2	3	9	8	2	2	0
	1730	,,	1507·4	904·1	..	30·5	18·1	8·9	11·7	27	..	2·9	..	2·6	0	0	30	0	4	8	7	0	2	9	0	1	0
Bangalore	0230	921	1509·0	910.2	..	21·0	16·9	14.2	16·3	66	..	0·5	..	4·8	0	0	23	0	0	15	3	1	4	0	0	8	0
	0830	,,	1529.7	912.1	+0·7	22·4	17·3	13.6	16·0	60	−4	0·7	−0·7	5·2	0	0	28	0	0	10	5	1	9	2	0	3	1
	1130	,,	1540·5	911·8	..	28·8	18·0	10·1	12·8	33	..	1·2	..	7·5	0	1	28	0	0	8	10	2	4	3	1	2	1
	1430	,,	1519·7	909·2	..	31·2	18.6	9·2	12·2	27	..	1·8	..	7·9	0	1	29	2	2	11	6	1	2	4	2	1	0
	1730	,,	1511·9	908·7	..	30·1	18·0	9·0	11·8	28	..	2·0	..	6·3	0	0	25	0	4	13	4	0	1	2	1	6	0
	2030	,,	1521·1	910·4	..	25·6	17·1	10·8	13·3	41	..	1·2	..	4·6	0	0	24	1	1	18	1	2	1	0	0	7	0
Bangalore Aerodrome	0530	897	1532·7	912·6	..	18·8	16·2	14·4	16·5	77	..	0·6	..	4·1	0	0	20	0	3	6	3	3	1	4	0	11	0
	0830	,,	1528·2	914·6	..	22·0	17·7	14·7	16·7	65	..	0·5	..	7·2	0	0	25	1	0	7	5	4	4	3	1	6	0
	1130	,,	1537.8	914·2	..	28·2	17·7	5·5	9·0	34	..	1·1	..	12·0	0	2	28	0	1	8	7	4	3	6	1	1	0
	1730	,,	1508·9	910·8	..	30·2	18·3	9·1	11·5	30	..	1·7	..	12.0	0	1	28	2	0	17	6	1	1	2	0	2	0
	2330	,,	1522·1	913·8	..	22·7	17·0	13·0	15·0	55	..	1·0	..	6·5	0	0	26	0	0	12	10	1	1	2	0	5	0
Mysore	0830	767	1013·0	928·5	+0·9	22·7	18·5	15·8	18.3	67	0	1·4	−0·6	6·3	0	0	31	1	2	4	2	6	12	1	3	0	0
	1730	,,	1005·7	924·3	..	31·9	17·7	7·2	9·9	21	..	1·2	..	11·7	0	6	25	5	9	5	8	0	2	0	2	0	0
Kerala																											
Calicut	0530	5	1010·9	1010·3	..	24·6	22·8	21·8	26·3	83	..	1·2	..	2·8	0	0	23	1	11	11	0	0	0	0	0	8	0
	0830	,,	1012·6	1012·0	+0·8	27·4	24·0	22·4	27·1	74	−2	1·2	−0·9	3·6	0	0	22	2	1	16	0	0	0	0	3	9	0
	1130	,,	1012·9	1012·3	..	30·9	25·4	22·9	27·9	63	..	2·2	..	6·3	0	0	31	0	0	0	0	0	8	10	13	0	0
	1730	,,	1009·3	1008·7	..	30·1	25·7	23·8	29·5	69	..	1·4	..	7·9	0	0	31	0	0	0	0	0	0	5	26	0	0
	2330	,,	1012·0	1011·4	..	27·9	24·6	23·2	28·3	76	..	1·8	..	8·8	0	4	23	9	1	1	0	0	0	1	15	4	0
Palghat	0830	97	1012·9	1001·9	..	27·7	22·8	19·9	23·8	62	..	1·2	..	9·9	0	8	23	0	0	18	0	0	0	13	0	0	0
	1730	,,	1007·4	996·7	..	34·0	22·4	14·9	17·6	35	..	1·3	..	10·9	0	2	29	0	0	17	0	0	0	14	0	0	0
Fort Cochin	0830	3	1012·8	1012·5	+0·9	27·3	24·2	22·7	27·6	76	+1	5·1	+3·1	7·3	0	0	31	8	11	8	0	0	0	0	4	0	0
	1730	,,	1009·0	1008·7	..	9·1	25·3	23·5	29·1	70	..	5·2	..	11·5	0	0	31	0	0	0	1	0	1	14	15	0	0
Cochin (Naval Air Station)	0230	3	1010·6	1010·3	..	25·6	23·6	22·6	27·4	84	..	2·6	..	1·5	0	0	8	2	2	2	0	0	0	1	1	23	0
	0530	,,	1010·6	1010·3	..	24·8	23·3	22·5	27·3	87	..	1·8	..	1·3	0	0	7	1	4	2	0	0	0	0	0	24	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	20 to 61	1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Kerala—*Contd.*																											
Kochin (Naval Air Station) (contd.)	0830	3	1012·7	1012·4	..	28·0	24·3	22·5	27·4	72	..	2·6	..	2·5	0	0	10	1	2	7	0	0	0	0	0	21	0
	1130	,,	1012·7	1012·4	..	31·0	24·9	22·0	26·6	59	..	3·5	..	11·9	0	1	25	0	0	0	0	0	2	18	6	5	0
	1730	,,	1008·7	1008·4	..	29·8	24·8	22·4	27·1	65	..	3·1	..	16·8	0	3	28	2	0	0	1	0	5	18	5	0	0
	2330	,,	1012·2	1011·9	..	26·6	23·7	22·2	26·9	77	..	3·2	..	2·8	0	0	11	3	0	1		0	0	3	4	20	0
Alleppey	0830	4	1012·5	1012·1	+0·7	28·1	24·9	23·4	28·9	76	1	2·9	—1·4	5·0	0	0	26	1	10	11	4	0	0	0	0	5	0
	1730	,,	1009·2	1008·8	..	30·4	25·8	23·8	29·5	68	..	2·8	..	24·6	0	30	1	0	1	0	0	0	6	8	16	0	0
Punalur	0830	34	1012·7	1008·8	..	24·4	22·5	21·4	25·6	84	..	3·5	..	0·3	0	0	3	0	0	0	1	1	1	0	0	28	0
	1730	,,	1008·4	1004·6	..	31·2	24·2	20·6	24·7	56	..	6·0	..	5·7	0	0	31	0	0	1	3	11	10	4	2	0	0
Trivandrum	0230	64	1010·3	1003·0	..	25·3	23·1	22·0	26·4	82	..	1·8	..	2·6	0	0	15	5	5	0	1	0	0	0	4	16	0
	0530	,,	1010·6	1003·2	..	24·4	22·5	21·5	25·6	84	..	1·7	..	5·3	0	0	27	4	14	6	0	0	0	0	3	4	0
	0830	,,	1012·7	1005·4	+1·0	26·4	23·2	21·5	25·8	75	—2	1·5	—0·7	4·9	0	0	30	5	10	2	2	1	2	1	7	1	0
	1130	,,	1012·1	1004·9	..	31·1	23·9	20·5	24·1	54	..	3·5	..	8·6	0	2	26	0	1	1	3	1	6	7	8	3	1
	1430	,,	1009·2	1002·0	..	31·2	24·3	20·7	24·7	54	..	2·6	..	12·6	0	4	27	0	0	1	0	3	8	13	6	0	0
	1730	,,	1009·1	1001·9	..	29·4	24·3	21·9	26·3	64	..	3·7	..	9·4	0	2	28	0	0	0	1	4	8	8	8	1	1
	2030	,,	1011·4	1004·1	..	27·2	23·7	22·0	26·4	74	..	2·9	..	7·2	0	0	28	4	3	1	1	1	5	2	11	3	0
	2330	,,	1012·1	1004·8	..	26·3	23·5	22·1	26·6	78	..	2·4	..	6·1	0	0	28	13	2	0	2	2	2	0	7	3	0
Trivandrum (Aerodrome)	0830	8	1012·9	1012·0	..	27·9	23·7	21·5	25·6	69	..	2·4	..	12·0	0	8	19	12		7	1	0	1	1	2	4	0
Arabian Sea Islands																											
Amini	0530	4	1010·9	1010·4	..	26·1	23·5	22·2	26·7	79	..	2·8	..	6·5	0	1	22	9	2	0	0	0	0	2	10	8	0
	0830	,,	1013·2	1012·7	..	27·7	24·1	22·4	27·1	73	0	2·6	+0·1	5·7	0	1	27	8	6	1	0	0	0	0	12	3	1
	1130	,,	1013·5	1013·1	..	31·0	25·0	22·2	26·7	59	..	2·1	..	8·2	0	0	31	9	3	0	0	0	0	1	17	0	1
	1730	,,	1010·1	1009·7	..	30·3	25·0	22·5	27·3	63	..	2·0	..	10·1	0	3	28	6	0	0	0	0	0	1	23	0	1
	2330	,,	1012·3	1011·8	..	27·1	24·1	22·6	27·6	76	..	1·4	..	11·7	0	3	25	5	0	0	0	0	0	4	19	3	0
Minicoy	0530	2	1010·9	1010·7	..	25·3	23·2	22·1	26·6	83	..	2·3	..	1·3	0	0	7	0	1	0	0	0	0	1	5	24	0
	0830	,,	1013·0	1012·8	+1·0	27·7	24·2	22·5	27·3	74	+2	2·3	—0·5	4·8	0	0	22	10	1	0	0	0	0	2	9	9	0
	1130	,,	1013·1	1012·9	..	29·8	24·9	22·7	27·6	66	..	2·5	..	7·0	0	0	31	16	3	2	0	0	0	1	8	0	1
	1430	,,	1010·7	1010·5	..	29·2	24·9	22·6	27·9	6	..	2·5	..	7·2	0	0	30	13	5	0	0	0	0	0	12	1	0
	1730	,,	1010·0	1009·8	..	29·1	24·5	22·4	27·2	67	..	2·0	..	7·2	0	0	28	11	2	2	0	0	0	0	13	3	0
	2030	,,	1011·6	1011·4	..	26·9	23·8	22·4	26·9	76	..	1·3	..	4·5	0	0	17	9	1	0	0	0	0	1	6	14	0
	2330	,,	1012·5	1012·3	..	26·1	23·5	22·3	..	81	..	1·7	..	4·6	0	0	16	9	0	0	0	0	1	0	6	15	0
Hill Stations (excluding Kashmir)																											
Dalhousie	0830	1959	1440·5	799·0	—0·7	10·0	4·9	—2·1	5·1	46	—14	1·6	—1·1	2·0	0	0	16	1	2	0	2	0	0	0	2	15	9
	1730	,,	1434·3	798·8	..	11·4	7·9	4·5	8·4	58	..	2·2	..	1·6	0	0	13	0	2	0	0	0	2	1	1	18	7
Dharmsala	0830	1211	1557·2	885·6	+1·5	16·2	9·8	2·7	7·4	41	—8	4·0	+0·6	1·1	0	0	22	4	15	3	0	0	0	0	0	9	0
	1730	,,	1553·2	885·0	..	17·7	11·0	4·2	8·2	43	..	4·7	..	1·5	0	0	30	1	4	2	0	1	17	4	1	1	0
Simla	0830	2202	1490·8	782·0	+0·8	9·7	3·2	—8·4	3·0	33	—3	3·0	—0·2	1·1	0	0	14	1	3	0	4	3	2	0	1	17	0
	1730	,,	1450·1	777·1	..	9·1	4·5	—2·1	5·2	46	..	3·1	..	1·4	0	0	22	1	5	0	3	1	11	0	1	9	0
Lokpal	0830	..	..	..	..	—10·3	—12·1	—17·2	1·3	53	..	2.4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Badrinath	0830						Closed	during	winter	months																	
Joshimath	0830	..	..	..	..	8·0	3·7	—2·6	4·9	50	..	3·0	..	8·6	0	0	30	0	3	13	8	0	1	0	0	1	5
	1730	..	..	..	..	12·7	7·3	1·4	6·8	50	..	5·0	..	4·0	0	0	29	2	3	6	5	3	2	2	5	2	1
Mussoorie	0830	2042	..	..	..	10·9	5·7	—0·7	5·8	51	+3	3·0	0	4·3	0	1	18	8	2	0	1	2	1	0	5	12	0
	1730	,,	..	..	..	11·3	7·6	3·8	8·0	62	..	3·8	..	6·8	0	1	30	8	4	0	6	7	1	0	5	0	0
Mukteswar (Kumaun)	0830	2311	3118·3	772·5	—0·1	8·4	3·7	—3·7	4·5	48	+4	2·7	+0·1	12·8	0	6	23	0	8	7	1	0	2	6	5	2	0
	1730	,,	3108·7	771·2	..	10·0	5·8	0·9	6·5	57	..	3·0	..	14·8	0	9	21	1	4	3	0	1	5	10	6	1	0
Nainital	0830	1953	1496·9	805·2	0	9·9	5·6	0·4	6·3	55	+10	2·7	+0·1	5·3	0	0	23	9	1	9	0	1	0	3	0	8	0
	1730	,,	1474·5	803·1	..	11·1	7·5	3·5	7·9	62	..	2·6	..	7·6	0	0	31	4	1	2	2	5	1	16	0	0	0
Kalimpong	0830	1209	..	..	..	14·3	10·9	7·9	10·7	67	+5	0·2	—1·6	7·1	0	0	31	0	0	0	3	0	1	0	27	0	0
	1730	,,	..	..	..	16·5	11·8	7·6	10·4	57	..	0·1	..	8·2	0	0	31	0	0	0	26	0	0	0	5	0	0
Darjeeling	0830	2128	1532·7	792·3	+4·0	11·1	7·6	4·1	8·2	64	—3	3·5	+0·5	1·5	0	0	12	5	2	0	0	0	5	0	0	19	0
	1730	,,	1504·3	789·6	..	10·9	7·6	4·3	8·3	65	..	4·7	..	5·8	0	2	17	1	0	0	0	0	10	4	0	12	4
Kohima	0830	1406	1566·0	866·3	..	15·9	14·6	13·7	15·7	90	..	1·3	..	3·8	0	0	31	1	2	0	4	0	0	0	22	0	2
	1730	,,	1541·9	863·8	..	17·9	16·8	16·1	18·3	92	..	4·3	..	4·2	0	0	31	2	1	0	1	0	0	0	26	0	1
Shillong	0830	1500	1520·2	852·3	+1·7	17·1	12·9	9·5	11·9	64	+19	2·0 (a)	+0·1	3·8 (a)	0	0	14	0	0	0	1	2	6	2	3	17	0
	1730	,,	1505·3	850·7	..	16·5	13·9	12·0	14·0	76	..	4·6	..	1·3	0	0	3	0	0	0	0	0	3	0	0	27	0

(a) Mean of 30 days.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level.	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal.	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal.	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hill stations (excluding Kashmir)—*contd.*																											
Cherrapunji . (R)	0830	1313																									
(R)	1730	,,																									
Abu . . .	0830	1195	1515·4	882·8	+0.5	17·6	10·7	3·4	7·8	38	+3	0·5	−1.0	1·6	0	0	10	1	1	0	0	4	4	0	0	21	0
	1730	,,	1501·8	880·6	..	23·0	13·4	4·3	8·3	31	..	0·2	..	9·0	0	3	26	4	2	0	0	9	10	0	4	2	0
Aijal . . .	0830	,,	..	..	..	20·2	15·0	11·2	13·3	57	..	(c) 5·7	..	(c) 2·4	0	0	28	3	1	12	0	3	4	4	1	0	0
	1730	,,	..	..	..	21·5	15·9	11·8	13·8	54	..	(d) 2.0	..	(d) 2·7	0	0	27	3	0	3	0	3	1	16	1	0	0
Pachmarhi . .	0830	1075	1528·5	896·1	+0·5	20·7	12.0	2.6	7.7	31	—6	2·8	+1·2	3.2	0	0	26	1	3	7	1	5	3	3	3	5	0
	1730	,,	1508·0	893·1	..	26·0	13·5	0·9	6·4	19	..	3·2	..	3·2	0	0	28	3	5	0	0	2	0	4	14	3	0
Mahabaleshwar .	0830	1382	1523·0	864·3	+0.3	18·7	10·8	1·6	7·2	34	—3	0·3	−0.4	10·9	0	0	31	2	21	0	2	0	0	0	6	0	0
	1730	,,	1504·9	862·9	..	25·3	15·7	7·9	10·8	35	..	0·0	..	9·8	0	0	31	0	1	0	1	0	2	1	26	0	0
Mercara . .	0830	1152	1526·9	887·9	+0·9	20·5	16·2	12 8	15·3	64	—5	0·6	−2.0	6·8	0	0	31	2	12	15	0	1	0	0	1	0	0
	1730	,,	1506·0	885·0	..	26·2	19·2	14·5	17·1	51	..	2·5	..	7·0	0	0	31	1	5	3	0	0	2	8	10	0	2
Ootacamund (R) .	0830	2249																									
(R)	1730	,,																									
Coonoor (R) . .	0830	,,																									
Kodaikanal . .	0830	2343	3171·9	772·9	+0.8	15·0	9·1	2·0	7·7	48	+2	1·5	−0·2	8·4	0	0	29	1	14	6	7	1	0	0	0	2	0
	1130	,,	3184·4	773·3	..	17·8	11·3	5·1	9·2	46	..	2·7	..	11·0	0	1	30	0	13	5	11	2	0	0	0	0	0
	1730	,,	3155·6	771·5	..	14.7	11·5	8·9	11·5	70	..	4.2	..	6·3	0	0	27	3	5	0	10	9	0	0	0	4	0
Nepal Katmandu. . .	0830	1324	1512·2	869·5	..	11·1	8·7	5·7	9·3	70	..	2.0	..	0·7	0	0	4	0	0	0	0	1	1	2	0	27	0
	1130	,,	1506·7	868·3	..	20·8	12·1	3·3	7·9	33	..	2·3	..	3·1	0	0	22	1	1	2	1	2	8	4	3	9	0
	1730	,,	1482·8	866·0	..	18·4	11·5	4·5	8·6	42	..	3·5	..	3·5	0	0	19	2	1	2	0	2	7	5	0	12	0
Sikkim Lachen . . .	0830	..	..	..	.	6·9	3·5	−0·9	5·7	57	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..
Hydrometeorological observatories																											
Damodar catchment																											
Tilaiya . . .	0830	,,	..	..	..	23·7	15·0	7·5	10·4	35	..	2·5	..	6·6	0	0	26	0	2	2	0	2	6	9	5	5	0
	1730	,,	..	..	.	27·6	15·4	3·1	7·6	22	..	2·2	..	6·3	0	0	29	2	0	3	1	0	0	8	15	2	0
Hazaribag . .	0830	615	1012·0	943·6	..	22·8	15·3	9·5	11·9	44	..	2·2	..	5·3	0	0	25	1	0	3	4	0	4	8	5	6	0
	1730	,,	1008·0	940·4	..	25.3	16·1	9·1	11·5	38	..	2·1	..	5·6	0	0	27	3	0	1	0	0	1	12	10	4	0
Konar . . .	0830	..	..	..	..	23·7	15·8	9.1	11·5	40	..	2 1	..	3·5	0	0	27	3	2	2	0	0	1	11	8	4	0
	1730	..	..	.	..	26·5	17·6	10·8	12·9	38	..	2·6	..	6·3	0	0	29	5	0	4	1	0	2	6	11	2	0
Bokaro . . .	0830	242	1011·9	984·3	..	21·9	15·6	10·4	12·3	48	..	1.4	..	4·5	0	0	30	3	1	0	1	0	9	12	4	1	0
	1730	,,	1007·7	980·5	.	29·4	18·1	9.1	11·2	28	..	1·5	..	6·8	0	0	30	4	2	1	2	3	0	3	15	1	0
Maithon . . .	0830	..	..	..	..	25·7	17·2	10·8	12·9	40	..	2·7	..	3·6	0	0	31	0	2	0	2	0	14	4	9	0	0
	1730	..	..	..	..	30·3	18·8	10.0	12.3	30	..	2·3	..	3·8	0	0	31	0	1	0	2	1	10	2	15	0	0
Ramgarh (R) . .	0830																										
(R)	1730																										
Panchet Hills . .	0830	..	..	..	..	23·1	16·8	12·0	14·0	50	..	2·0	..	5·3	0	0	24	0	4	0	3	0	13	0	4	7	0
	1730	..	..	..	..	28·9	18·3	10·1	12.3	33	..	1·3	..	2·2	0	0	12	0	3	0	2	0	3	0	4	19	0
Durgapur. . .	0830	..	..	..	..	24.7	19.6	16·4	18.6	60	..	2·9	..	4.6	0	0	27	2	5	0	1	0	3	3	13	4	0
	1730	..	..	..	..	28·7	20.9	16.2	18.4	47	..	2·8	..	4.3	0	0	28	2	3	2	1	4	5	3	8	3	0
Mahanadi Catchment																											
Ginabahar . .	0830	..	..	..	..	22·3	15.2	9.5	12·1	46	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hirakud . . .	0830	159	1012·9	994·8		25·3	18·8	14·4	16·4	52	..	1·5	..	2.5	0	0	22	7	1	6	4	2	1	0	1	9	0
	1130	,,	1011·9	994·1	..	30.7	20·2	13.1	15·1	35	..	1·5	..	3·5	0	0	28	3	2	2	1	1	5	4	10	3	0
	1730	,,	1007·9	990·2	..	31·2	20.3	12·9	14·9	34	..	2·3	..	2·3	0	0	20	0	1	2	1	3	2	4	7	11	0
Bhimkund . .	0830	..	..	..	..	22·6	17.5	13·9	15·9	58	..	1·8	..	1·0	0	0	11	0	0	1	1	1	2	0	6	20	0
	1730	..	..	..	..	29·7	17.5	7·1	10·1	27	..	2·5	..	2·8	0	1	16	1	2	1	3	3	2	2	3	14	0
Sonepur . . .	0830	..	..		..	25.5	21·7	19·6	22·8	71	..	..	..	4·7	0	0	20	3	0	13	1	0	0	3	0	11	0
Khijrawan . .	0830	..	..	..	..	21·4	18·0	15·6	17·8	71	..	0	..	3.2	0	0	28	1	9	1	10	0	4	1	2	3	0
	1730	..	..	..	..	29·5	19 8	12.0	15·1	39	..	0	..	3.1	0	0	31	2	5	0	5	0	9	0	10	0	0
Narmada Catchment																											
Bagra Tawa . .	0830	..	..	..	..	22·6	13·9	4·8	8·8	32	..	1·6	..	8 5	0	0	27	0	13	1	0	1	10	2	0	4	0
	1730	..	..	..	..	32·0	17·6	3.7	8.5	18	..	2.0	..	7·4	0	0	26	2	7	1	3	0	5	6	2	5	0
Punasa* . . .	0830	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..		..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thikri . . .	0830	..	..	..	..	25·8	16·0	6.9	10.2	31	..	0·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sabarmati Catchment		,,																									
Darol . . .	0830	278	..	..	..	20·0	12·7	4.7	8.8	37	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	32·4		8·7	11·5	24	..	..	..	..	..	..	..	..	..	..	..	..		..	..	..	..

(d) Mean of 27 days. (R) Registered not received. (c) Mean of 28 days *Data not available

Sub-Division and station	Hour of observation I.S.T	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level.	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry Bulb	Mean temperature in °C: Wet Bulb	Mean temperature in °C: Dew Point	Vapour pressure in mbs.	Relative Humidity%	Departure from normal	Cloud amount (oktas): Mean Amount	Cloud amount (oktas): Departure from normal	Mean wind speed in km per hour	Wind speed (km. p.h.): 62 or more	Wind speed (km. p.h.): 20 to 61	Wind speed (km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hydrometeorological Observatories—*contd.*																											
Gandak Catchment—																											
Jomosom	0830	..	..	..	..	6·5	3·1	−1·0	5·8	62	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	6·5	4·0	1·4	6·8	72	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Khudi Bazar	0830	..	..	..	..	17·8 (l)	12·3 (l)	7·4 (l)	10·5 (l)	52 (l)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	21·6 (k)	13·7 (k)	6·8 (k)	10·1 (k)	41 (k)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Timure	0830	..	..	..	..	9·5	5·2	−0·5	6·1	50	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	14·4	8·6	2·4	7·5	48	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pokhara	0830	..	..	..	..	17·8	12·4	7·6	10·7	52	..	2·0	..	2·3	0	0	19	9	0	1	2	0	1	1	5	12	0
	1130	..	..	..	..	22·6	13·9	6·2	9·6	36	..	2·5	..	6·7	0	0	29	1	0	2	16	8	0	0	0	2	2
	1730	..	..	..	..	21·9	13·4	5·6	9·3	36	..	4·4	..	7·5	2	0	29	3	3	2	9	4	1	0	9	0	0
Gorkha	0830	..	..	..	..	17·3	11·0	4·5	8·6	44	..	1·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	††1130	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	19·9	11·9	3·7	8·2	37	..	3·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nuwakot	0830	..	..	..	..	16·9	11·0	5·1	9·0	48	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	21·8	12·3	2·1	7·5	31	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghaghara Catchment (Trans Himalayan Region)																											
Dailekh	0830	..	..	..	..	14·9	13·7	12·8	14·9	87	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	17·0	15·3	14·2	16·2	84	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dadeldhura	0830	..	..	..	..	10·6	6·3	1·3	6·8	56	..	2·2	..	6·6	0	1	27	0	1	6	14	4	1	1	1	3	0
	1130	..	..	..	..	13·2	7·9	2·4	7·4	51	..	3·5	..	7·6	0	1	29	6	2	4	6	1	1	1	9	1	0
	1730	..	..	..	..	12·4	7·7	2·7	7·7	55	..	3·5	..	6·3	0	1	28	2	0	1	5	3	5	5	8	2	0
Sallyana	0830	..	..	..	..	15·5	10·2	4·5	8·6	50	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	16·8	10·6	4·2	8·5	44	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Butwal	0830	..	..	..	..	22·6	15·8	10·1	12·5	46	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	27·6	17·6	9·4	12·0	33	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Baghmati Catchment																											
Katmandu†	0830	1324																									
	1130	"																									
	1730	"																									
Kosi Catchment																											
Chautara	0830	..	..	..	..	14·2	9·0	3·7	8·2	51	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	18·3	10·9	4·0	8·4	41	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Walungchung Gola	0830	..	..	..	..	3·3	2·5	1·7	6·9	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	2·6	2·0	1·5	6·9	94	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taplethok	0830	..	..	..	..	14·6	9·6	4·2	8·5	51	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	17·1	10·4	3·1	7·9	42	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bhojpur	0830	..	..	..	..	14·9	9·5	4·3	8·6	52	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	14·1	9·3	4·5	8·7	55	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taplejung	0830	..	..	..	..	12·5	7·9	3·5	8·0	56	..	2·9	..	0·9	0	0	9	2	1	0	0	1	0	1	4	22	0
	1130	..	..	..	..	16·0	9·8	3·7	8·2	46	..	3·3	..	7·8	0	1	29	2	0	2	3	10	5	6	2	1	0
	1730	..	..	..	..	13·8	8·9	4·0	8·3	55	..	4·5	..	15·0	0	9	18	3	2	0	10	10	1	1	0	4	0
Okhaldhunga	0830	..	..	..	..	13·3	8·1	2·5	7·6	51	..	1·2	..	1·4	0	0	10	0	0	0	4	3	0	1	2	21	0
	1130	..	..	..	..	16·6	9·5	1·8	7·4	41	..	1·9	..	5·2	0	1	25	0	0	0	1	8	5	10	2	5	0
	1730	..	..	..	..	13·6	8·3	2·7	7·7	51	..	2·6	..	9·9	0	4	23	0	0	0	0	3	5	18	1	4	0
Chainpur**	0830	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Angbung*	0830	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Barahakshetra	0830	146	1013·8	997·0	..	21·3	14·4	7·9	11·1	43	..	1·7	..	3·5	0	0	25	0	0	7	5	1	7	2	2	6	1
	1130	"	1012·0	995·5	..	27·6	17·2	8·4	11·6	32	..	2·2	..	6·3	0	0	30	0	0	0	1	0	26	3	0	1	0
	1730	"	1008·6	992·1	..	25·4	16·5	8·6	11·7	37	..	1·9	..	2·9	0	0	21	0	2	6	4	0	4	3	2	10	0
Tista Catchment																											
Gangtok	0830	1812	1509·5	820·2	..	11·1	8·0	4·8	8·7	66	..	4·1	..	1·7	0	0	9	5	4	0	0	0	0	0	0	22	0
	1130	"	1499·4	819·7	..	16·5	10·5	5·1	9·0	49	..	3·9	..	4·0	0	0	26	2	0	0	0	12	10	1	1	5	0
	1730	"	1479·5	817·5	..	12·9	9·3	5·9	9·4	64	..	6·4	..	3·6	0	2	9	1	2	0	0	8	0	0	0	20	0
Gezing	0830	..	..	..	..	14·3	10·4	7·2	10·4	64	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	14·5	10·7	7·5	10·5	64	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

*Data not available **Data not reliable. ††Observations not recorded. †Data included under Nepal. (k) Mean of 20 days. (l) Mean of 19 days.

MONTHLY MEANS OF UPPER WINDS

March, 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

During the month, observations of velocity and direction of upper winds were made at 53 stations in India. Out of these, at 38 stations all the observations were taken by means of pilot balloons and at 14 stations some observations were made by means of pilot balloons while the other observations by the radiowind method. In the case of Bangalore, the observations were taken by following radiosonde balloon by means of an optical theodolite. Particulars of these stations, their co-ordinates and the approximate times of the regular pilot balloon and rawin ascents at each station are given in the table overleaf. All radiowind ascents have been indicated by means of an asterisk(*) against the scheduled hours.

Data from ascents made at the scheduled time or within two hours on either side of the scheduled times of regular observations have been used for averaging.

Data upto 9.0 km. a.m.s.l. are given under Table IV and data above 9.0 km. a.m.s.l. under Table V.

In Tables IV and V :

n—represents the number of observations;

V—represents the mean wind speed in metres per second irrespective of direction;

v—represents the resultant mean velocity in metres per second;

D—represents the direction of the resultant mean wind in degrees East of North.

Means and resultant winds are given in this publication for the following heights :

Surface, 0.15 km. a.g., 0.3, 0.6, 0.9, 1.5, 2.1, 3.0, 3.6, 4.5, 5.4, 6.0, 7.2, 9.0, 10.5, 12.0, 14.1, 16.2, 18.0, 21.0, 24.0, 27.0, 30.0, 33.0, and 36.0 km. a.m.s.l. Of these, the levels 1.5, 3.0, 5.4, 7.2, 9.0, 12.0, 14.1, 16.2, 18.0, 21.0, 24.0, 27.0, and 30.0 km. a.m.s.l. are considered as the best approximations to the standard pressure levels 850, 700, 500, 400, 300, 200, 150, 100, 70, 50, 30, 20 and 10 mb. respectively.

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS IN INDIA

S. No.	Station	Lat. N.	Long. E.	Height of Anemometer head a.m.s.l. in metres	Data available from **	Approximate times of flight (I.S.T.)			
1.	Agartala	23°53′	91°15′	17	28th November, 1951	0530	1130	1730	2330
2.	Ahmadabad	23°04′	72°38′	61	19th May, 1928	0530*	1130	1730*	2330
3.	Allahabad/Bamhrauli	25°27′	81°44′	103	28th February, 1930	0530*	1130	1730*	2330
4.	Ambala	30°23′	76°46′	279	18 March, 1928	0530	1130	1730	2330
5.	Anantapur	14°41′	77°37′	365	12th February, 1946	0530		1730	2330
6.	Asansol	23°41′	86°59′	135	29th May, 1942	0530	1130	1730	2330
7.	Aurangabad/Chikalthan	19°51′	75°24′	583	7th October, 1951	0530		1730	2330
8.	Bahraich	27°34′	81°36′	134	1st October, 1961	0530	1130	1730	
9.	Bangalore	12°58′	77°35′	936	19th May, 1915	0530@	1130	1730@	2330
10.	Bareilly	28°22′	79°24′	181	12th January, 1943	0530		1730	
11.	Begampet	17°27′	78°28′	543	1st September, 1929	0530		1730	2330
12.	Bhagalpur	25°14′	86°57′	61	19th May, 1950	0530		1730	
13.	Bhopal/Bairagarh	23°17′	77°21′	532	26th February, 1943	0530		1730	2330
14.	Bhubaneshwar	20°15′	85°50	54	17th December, 1955	0530	1130	1730	2330
15.	Bhuj/Rudramata	23°15′	69°48′	90	14th September, 1937	0530		1730	2330
16.	Bikaner	28°00′	73°18′	229	18th October, 1946	0530		1730	2330
17.	Bombay/Santa Cruz	19°07′	72°51′	27	14th May, 1933	0530*	1130	1730*	2330
18.	Calcutta/Dum Dum	22°39′	88°27′	13	14th May, 1921	0530*	1130	1730*	2330
19.	Cochin/Willingdon†	09°56′	76°14′	13	16th March, 1942	0530		1730	2330
20.	Dehra Dun	30°19′	78°02′	692	1st October, 1958	0530		1730	
21.	Dibrugarh/Mohanbari	27°29′	95°01′	112	1st June, 1948	0530	1130	1730	2330
22.	Gadag	15°25′	75°38′	650	3rd May, 1943	0530		1730	2330
23.	Gangtok	27°20′	88°37′	1764	31st May, 1963	0530		1730	
24.	Gauhati	26°03′	91°43′	55	11th March, 1955	0530*	1130	1730*	2330
25.	Gaya	24°45′	84°57′	119	19th March, 1937	0530	1130	1730	2330
26.	Gopalpur	19°16′	84°53′	24	15th February, 1946	0530		1730	2330
27.	Gorakhpur	26°45′	83°25′	83	5th January, 1943	0530		1730	
28.	Gwalior	26°14′	78°15′	208	7th May, 1938	0530	1130	1730	2330
29.	Imphal/Tulihal	24°46′	93°54′	782	29th March, 1943	0530	1130	1730	2330
30.	Jabalpur	23°10′	79°57′	402	30th July, 1928	0530		1730	2330
31.	Jagdalpur	19°05′	82°02′	562	25th March, 1948	0530		1730	2330
32.	Jaipur/Sanganer	26°49′	75°48′	403	6th June, 1953	0530		1730	2330
33.	Jamshedpur	22°49′	86°11′	144	23rd July, 1942	0530	1130	1730	
34.	Jharsuguda	21°55′	84°05′	240	1st May, 1944	0530		1730	2330
35.	Jodhpur	26°18′	73°01′	229	15th October, 1934	0530*	1130	1730*	2330
36.	Lucknow/Amausi	26°45′	80°53′	133	20th November, 1950	0530		1730	2330
37.	Madras/Minambakkam	13°00′	80°11′	29	8th April, 1926	0530*	1130	1730*	2330
38.	Mangalore/Bajpe	12°55′	74°53′	104	4th June, 1928	0530		1730	2330
39.	Minicoy	08°18′	73°00′	15	14th April, 1941	0530	1130	1730*	2330
40.	Nagpur/Sonegaon	21°06′	79°03′	316	23rd April, 1943	0530*	1130	1730*	2330
41.	New Delhi/Safdarjung	28°35′	77°12′	227	16th November, 1929	0530*	1130	1730*	2330
42.	Poona	18°32′	73°51′	593	5th January, 1925	0530		1730	2330
43.	Port Blair	11°40′	92°43′	95	13th March, 1926	0530*	1130	1730*	2330
44.	Raipur	21°14′	81°39′	308	15th July, 1944	0530		1730	2330
45.	Raxaul	26°59′	84°51′	83	28th October, 1957	0530		1730	
46.	Srinagar	34°05′	74°48′	1595	1st August, 1962	0530*		1730*	
47.	Tiruchchirappalli	10°46′	78°43′	96	22nd June, 1936	0530		1730	2330
48.	Trivandrum	08°29′	76°57′	73	8th December, 1928	0530*	1130	1730*	2330
49.	Udaipur	24°35′	73°42′	587	24th June, 1947	0530		1730	2330
50.	Vengurla	15°52′	73°38′	8	20th November, 1941	0530		1730	2330
51.	Veraval	20°54′	70°22′	17	13th October, 1941	0530		1730	2330
52.	Vijayawada/Gannavaram	16°32′	80°48′	32	1st April, 1957	0530		1730	2330
53.	Vishakhapatnam	17°43′	83°14′	10	24th September, 1928	0530*	1130	1730*	2330

*Radio wind ascents.

@Radiosonde ascents followed by optical theodolite.

†Naval Meteorological Office.

**Refers to data from which data are available.

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

March, 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

Station	AGARTALA																AHMADABAD							
Time in I.S.T.	0530				1130				1730				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1·3	1·0	162	31	1·6	1·2	232	31	2·0	0·8	260	31	1·5	1·0	170	31	1·3	0·9	301	31	3·5	1·0	014
0·15 a.g. .	28	3·6	1·8	178	31	3·0	2·3	237	31	4·5	2·3	250	31	6·1	3·0	194	31	7·9	5·2	344	31	4·7	0·9	007
0·3 a.m.s.l. .	28	4·3	1·4	233	31	3·2	2·2	239	31	4·5	2·5	245	31	6·2	3·6	219	31	8·3	5·4	343	31	4·7	1·2	010
0·6 ,, .	28	5·4	2·5	272	31	3·4	2·3	242	31	4·6	3·1	243	31	6·0	3·9	239	31	7·8	4·9	341	31	5·2	1·2	017
0·9 ,, .	28	5·5	3·3	272	31	4·0	2·9	254	31	5·0	4·0	246	31	5·5	4·1	249	31	7·0	4·4	327	31	5·6	1·3	313
1·5 ,, .	27	5·9	4·1	275	30	6·6	4·8	260	31	6·0	5·4	248	31	6·2	5·4	268	31	7·0	3·8	288	31	6·9	3·6	269
2·1 ,, .	26	8·0	6·6	283	23	7·3	6·3	286	31	7·3	6·6	255	28	7·7	6·7	289	31	8·4	6·4	261	31	8·6	6·3	262
3·0 ,, .	24	11·8	10·7	288	14	10·4	8·2	281	31	10·5	9·5	279	22	9·8	8·8	280	31	10·3	7·4	260	29	10·7	8·5	255
3·6 ,, .	19	14·3	13·0	289					28	12·8	12·1	285					31	11·6	9·2	266	26	10·9	9·0	260
4·5 ,, .	15	16·3	14·3	287					22	15·6	10·5	288					31	12·8	11·6	281	25	11·6	10·6	267
5·4 ,, .	7	11·7	11·2	270					17	18·0	17·2	275					31	16.6	14·8	283	24	14·1	13·1	271
6·0 ,, .	4	12·2	11·5	271					15	19·0	17·7	272					31	20·8	19.1	285	24	16·3	15·4	273
7·2 ,, .	2	15·5	15·1	295					2	16·5	16·3	263					30	28·0	25·5	284	17	21·4	19·6	269
9·0 ,, .																	24	36·2	32·9	283	10	31·8	29·8	268

Station	AHMADABAD								ALLAHABAD/BAMHRAULI															
Time in I.S.T.	1730*				2330				0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	2·7	2·1	291	31	2·0	1·1	251	31	0·5	0·3	013	31	1·3	0·7	270	31	2·4	1·5	310	31	0·7	0·1	356
0·15 a.g. .	31	5·0	3·7	290	31	7·9	3·9	345	31	5·4	2·0	324	31	3·4	1·3	269	31	5·8	4·4	320	31	6·6	3·7	357
0·3 a.m.s.l. .	31	5·2	3·8	290	31	8·3	4·0	290	31	5·4	2·0	324	31	3·5	1·5	267	31	5·8	4·4	320	31	6·8	3.8	350
0·6 ,, .	31	5·3	3·9	290	31	7·7	4·5	293	31	6·2	3·5	350	31	4·3	2·4	265	31	6·5	4·4	313	31	6·5	3·5	344
0·9 ,, .	31	5·2	3·6	296	31	6·7	4·3	299	31	6·2	3·8	324	31	5·3	3·0	274	31	6·0	4·1	306	31	5·9	3·5	325
1·5 ,, .	31	5·9	4·1	287	31	6·7	4·2	285	31	8·5	5·9	294	31	6·9	4·5	288	31	5·9	4·2	281	28	7·0	5·3	273
2·1 ,, .	31	7·0	4·9	277	31	7·5	4·2	273	31	10·3	8·2	279	31	9·0	6·4	285	30	8·7	7·4	275	25	9·8	9·4	275
3·0 ,, .	31	8·4	6·5	277	31	8·3	6·1	257	31	13·1	11·6	273	30	11·6	9·4	286	31	12·7	10·9	268	18	10·4	9·8	263
3·6 ,, .	31	10·5	8·9	280	9	9·0	5·9	275	31	14·5	13·3	272	28	13·1	11·7	282	31	15·4	13·7	270	6	9·2	8·6	273
4·5 ,, .	31	12·2	11·3	287	1	10·0	10·0	300	31	17·9	16·3	273	26	14·6	13·6	279	31	17·7	16·4	272	2	9·5	9·5	278
5·4 ,, .	31	15·2	14·5	286					31	20·4	19·0	271	25	18·4	16·8	280	31	20·0	18·8	272				
6·0 ,, .	31	18·7	17·6	289					31	22·5	21·3	269	25	20·4	19·1	279	31	22·2	20·6	272				
7·2 ,, .	30	25·8	23·9	287					31	27·0	25·7	269	21	27·1	25·3	275	31	28·5	26·7	272				
9·0 ,, .	26	35·1	32·7	285					26	39·9	37·4	263	9	33·9	32·0	271	26	39·2	36·8	266				

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

March, 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

Station	AMBALA																ANANTAPUR							
Time in I.S.T.	0530				1130				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	1·6	0·2	339	31	2·7	0·2	046	31	2·9	1·8	303	31	2·0	1·0	346	31	1·0	0·4	220	31	2·3	1·9	084
0·15 a.g. .	31	6·3	1·7	005	31	5·2	0·4	036	29	6·0	4·4	295	31	8·1	4·7	350	31	4·7	2·4	202	31	4·8	3·7	080
0·3 a.m.s.l. .	31	3·7	1·0	346	31	3·4	0·5	001	29	3·7	2·9	295	31	4.0	2.0	349								
0·6 ,, .	31	6·9	1·7	353	31	6·5	1·3	029	29	6·4	4·5	296	31	8·1	4·0	339	31	5·1	2·7	195	31	4·6	3·3	080
0·9 ,, .	31	7·5	2·1	344	31	7·2	1·5	321	29	6·4	4·3	305	31	8·1	4·3	336	31	6·7	3·6	163	31	4·4	3·0	086
1·5 ,, .	29	7·1	3·3	328	30	7·7	2·6	295	29	7·3	3·5	296	31	7·4	3·5	317	31	7·5	4·6	129	31	4·7	2·7	088
2·1 ,, .	27	8·4	5·2	311	29	8·7	3·2	302	28	8·3	3·9	290	29	7·2	4·1	291	31	5·3	3·2	096	31	4·7	2·1	100
3·0 ,, .	26	10·4	7·3	299	25	8·3	4·1	294	23	9·0	4·1	297	22	8·5	5·7	178	30	5·5	3·9	023	29	5·0	2·0	051
3·6 ,, .	17	9·1	7·0	298	18	7·4	3·8	311	20	9·5	4·7	298	3	5·7	2·5	152	30	6·2	4·5	003	29	5·8	1·8	018
4·5 ,, .	13	10·1	8·5	288	15	8·5	4·7	307	12	10·5	7·1	287					27	5·9	2·8	310	22	6·3	2·7	309
5·4 ,, .	10	12·9	10·9	290	11	10·2	4·6	262	8	10·5	7.4	291					24	6·5	4·6	274	16	7·7	5·8	294
6·0 ,, .	9	15·3	13·0	288	8	13·3	9·7	280	6	11.3	9·3	299					22	7·3	5·2	275	14	9·1	6·6	286
7·2 ,, .	3	21.7	18.3	297	4	21·3	10·7	292	2	19·0	13·5	298					17	8·9	6·2	288	12	10·9	8·4	290
9·0 ,, .	1	17.0	17.0	262													6	9·8	8·5	277	6	16.3	14.6	312

Station	ANANTAPUR				ASANSOL																AURANGABAD/ CHIKALTHAN			
Time in I.S.T.	2330				0530				1130				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	4·3	3·6	098	31	0·9	0·4	284	31	1·8	0·2	272	31	1·1	0·3	306	31	1·4	0·5	250	31	2·5	1·9	293
0·15 a.g. .	31	9·0	7·4	105	31	4·8	2·1	322	31	3·0	1·1	299	31	3·1	1·0	296	30	6·1	1·4	316	31	7·8	4·3	337
0·3 a.m.s.l. .					31	4·9	2·0	325	31	3·1	1·2	293	31	3·3	1·2	273	30	6·4	1·8	318				
0·6 ,, .	31	9·4	7·6	107	31	5·9	2·6	325	31	3·0	1·5	293	31	3·8	1·8	280	30	6·7	2·1	317				
0·9 ,, .	31	9·6	7·9	113	30	6·3	3·4	310	31	4·0	2·2	284	31	4·3	2·4	275	30	5·6	2·8	291	31	10·0	5.8	350
1·5 ,, .	31	6·3	4·8	106	30	7·4	5·4	291	30	6·6	5·6	278	31	5·5	4·4	282	30	6·0	4·4	278	31	11·1	6·3	338
2·1 ,, .	31	3·8	2·4	088	22	8·0	7·1	283	29	9·5	8·2	281	31	7·6	7·5	281	27	7·3	6·5	272	31	9·8	5·0	298
3.0 ,, .	31	4·3	1·9	023	16	9·9	9·0	287	16	10·8	9·3	284	31	12·4	11·8	283	22	11·2	10·3	281	25	7·6	4·7	238
3.6 ,, .	24	5·2	2·6	339	10	12·4	11·4	291					29	14·4	13·1	272	11	12·1	10·6	285	17	8·0	5·0	229
4·5 ,, .	8	5·9	4·0	296	6	17·3	16·2	292					25	16·7	16·0	284	1	16·0	16·0	286				
5·4 ,, .	2	5.0	4·7	311	4	21·5	20·7	293					20	18·9	18·5	286								
6·0 ,, .					3	20·3	20·2	271					16	21·3	20·8	281								
7·2 ,, .					2	23·5	23·5	278					8	24·3	23·3	305								
9·0 ,, .					1	23·0	23·0	264					3	22·7	22·0	276								

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

March, 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

Station	AURANGABAD/CHIKALTHAN								BAHRAICH												BANGALORE			
Time in I.S.T.	1730				2330				0530				1130				1730				0530@			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	3·4	2·7	283	31	3·2	2·4	298	31	1·3	0·1	345	31	1·8	0·3	089	31	1·8	1·0	286	31	2·3	1·5	116
0·15 a. g. .	31	5·2	3·9	281	31	8·8	5·7	334	30	6·5	3·2	327	31	4·9	0·6	119	31	5·3	3·0	294	31	5·9	3·0	132
0·3 a.m.s.l. .									30	6·7	2·7	320	31	4·9	0·6	143	31	5·5	2·8	275				
0·6 ,, .									30	8·0	3·3	309	31	5·8	0·6	255	31	6·0	3·4	282				
0·9 ,, .	31	4·8	3·6	289	31	10·3	6·6	339	30	8·8	4·0	308	31	6·4	2·2	290	31	9·8	3·5	281				
1·5 ,, .	31	4·8	3·7	286	31	9·7	6·0	323	30	9·0	5·9	301	31	7·6	4·4	286	30	7·4	4·8	283	31	7·0	3·5	109
2·1 ,, .	30	5·1	4·0	283	31	8·2	4·4	297	28	9·7	8·2	297	30	8·1	4·4	300	30	8·1	5·7	291	31	6·7	4·4	068
3·0 ,, .	24	5·7	4·3	270	22	7·2	4·6	236	26	10·2	8·9	289	28	9·1	8·6	289	29	10·0	8·0	284	31	6·4	5·0	045
3·6 ,, .	18	8·3	6·4	263	15	6·6	3·9	232	23	10·4	9·4	283	25	10·0	9·6	289	26	10·9	8·6	289	31	5·8	2·9	002
4·5 ,, .	12	12·2	11·8	270					21	13·2	11·8	280	24	13·0	12·0	285	23	14·0	12·6	290	31	4·0	0·8	021
5·4 ,, .	9	13·9	13·3	275					11	12·4	10·9	282	19	13·8	12·1	280	21	16·6	14·5	282	31	5·4	2·7	128
6·0 ,, .	7	17·3	17·1	276					9	14·2	13·4	276	18	17·5	17·2	280	19	18·9	17·4	285	31	5·2	3·0	278
7·2 ,, .	2	26·0	25·0	290					3	13·7	13·7	304	10	19·3	17·3	276	12	19·1	15·8	280	31	8·0	4·8	278
9.0 ,, .													2	28 0	25·9	266	1	20·0	20·0	260	30	10·1	8·0	262

Station	BANGALORE												BAREILLY								BEGAMPET			
Time in I.S.T.	1130				1730@				2330				0530				1730				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	2·5	1·5	133	31	2·8	2·2	095	31	3·7	2·3	118	31	1·3	0·4	349	31	1·4	0·6	303	31	1·8	0·5	129
0·15 a.g. .	31	4·5	2·6	132	31	4·7	3·3	098	31	9·1	7·5	125	31	6·3	1·5	350	30	4·6	2·4	301	31	5·8	2·4	153
0·3 a.m.s.l. .													31	6·0	1·6	347	30	4·4	2·7	297				
0·6 ,, .													31	8·1	2·5	320	30	6·1	3·4	292	31	4·3	1·3	149
0·9 ,, .													31	8·5	3·8	306	30	6·2	3·9	286	31	7·4	3·6	160
1·5 ,, .	31	5·4	3 3	105	31	5·0	3·6	092	31	9·0	6 8	117	31	9·0	4·9	305	30	6·8	4·4	277	30	7·2	3·3	159
2·1 ,, .	31	6·6	5·0	073	31	5·1	3·7	078	31	6·0	3·2	083	31	9·6	5·9	297	29	7·6	5·8	283	30	5·3	2·3	214
3·0 ,, .	30	7·1	5·3	049	31	4·9	3·2	046	30	4·8	3·6	038	28	9·0	6·1	291	28	8·8	7·2	290	30	5·9	2·4	284
3·6 ,, .	26	5·9	2·7	043	31	4·4	2·5	035	30	5·1	2·7	032	22	9·5	7·7	294	27	10·6	9·0	284	30	6·6	4·1	308
4·5 ,, .	26	4·9	0·2	111	29	4·0	1·8	313	20	3·7	2·0	009	17	9·1	8·1	298	24	12.5	10·1	279	27	8·5	6·8	295
5·4 ,, .	25	5·2	1·1	253	29	4·9	2·2	281	7	3·1	0·9	125	13	11·1	10·2	263	19	13·0	12·3	277	24	10·2	8.9	278
6·0 ,, .	25	5·6	1·6	275	29	5·6	3·0	299	5	5·8	2·4	150	7	12·0	9·7	266	13	14·4	12·8	275	22	11·4	9·8	276
7·2 ,, .	25	6·1	3 7	268	28	7·4	4·5	280	2	5·0	4·9	280	3	8·0	5·7	316	7	16·1	14 2	288	17	14.8	12·7	269
9·0 ,, .	21	10·5	8 6	253	26	12·4	10·1	262	1	8·0	8·0	265	1	9·0	9·0	215					12	18·4	15·3	259

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

March, 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

Station	BEGAMPET								BHAGALPUR								BHOPAL/BAIRAGARH							
Time in I.S.T.	1730				2330				0530				1730				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	2·9	0·9	127	31	3·2	2·5	125	31	2·4	0·8	225	31	1·7	1·5	280	31	2·4	0·8	075	31	3·4	1·9	287
0·15 a.g. .	31	4·5	2·1	140	31	6·8	5·8	138	31	5·7	2·0	238	31	4·8	3·2	290	31	7·0	2·7	083	31	5·0	3·6	276
0·3 a.m.s.l. .									31	6·1	2·2	269	31	5·1	3·9	291								
0·6 ,, .	31	4·2	1·8	140	31	5·5	4·5	137	31	6·4	3·8	310	31	5·6	4·5	289	31	6·0	2·3	083	31	4·3	3·1	281
0·9 ,, .	31	4·0	2·0	145	31	7·5	6·3	143	31	5·8	4·3	302	31	6·2	5·5	283	31	7·9	1·6	050	31	5·3	4·1	276
1·5 ,, .	31	4·1	1·4	183	31	5·7	3·6	160	31	7·6	6·6	289	31	8·0	6·8	278	31	6·0	2·7	301	31	5·7	4·5	271
2·1 ,, .	31	4.1	1·6	242	31	4·2	1·2	235	26	9·5	7·7	282	29	9·4	8·6	276	31	7·3	5·5	273	31	6·7	5·7	269
3·0 ,, .	31	4·4	3·2	278	31	5·6	4·2	288	18	11·1	9·6	284	21	13·6	12·9	281	31	11·2	9·0	257	30	9·0	8·3	262
3·6 ,, .	31	5·6	4·2	283	21	7·4	5·9	307	13	10·4	9·2	277	13	12·5	12.1	279	30	12·8	10·4	257	29	10·8	9·8	264
4·5 ,, .	29	8·1	6·8	286					3	11·7	9·9	284	7	12·1	12·0	285	26	15·0	10·2	262	25	14·4	13·3	269
5·4 ,, .	29	10·4	9·3	285					1	12·0	12·0	258	3	13·0	12·7	283	21	15·7	12·7	267	22	17·3	15·9	272
6·0 ,, .	26	12·3	10·9	279									3	14·3	13.9	297	17	16·1	15·5	273	18	20·3	19·1	279
7·2 ,, .	20	13·9	12·8	267													8	21·2	19·1	276	6	26·7	24·8	280
9·0 ,, .	15	18·6	17·0	282													3	29·3	28·6	272				

Station	BHOPAL/ BAIRAGARH				BHUBANESHWAR																BHUJ/RUDRAMATA			
Time in I.S.T.	2330				0530				1130				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	3·4	0·9	350	31	2·7	1·7	232	28	4·5	3·6	223	31	4·8	3·6	198	31	4·1	3·7	213	31	1·0	1·0	260
0·15 a.g. .	31	8·5	3·1	335	28	6·7	5·0	230	28	6·3	4·0	215	30	6·8	5·9	190	30	7·8	7·3	209	31	6·1	5·0	294
0·3 a.m.s.l. .					28	7·3	5·6	231	28	5·1	3·3	219	30	6·9	3·9	197	30	8·9	8·1	211	31	7·1	5·7	299
0·6 ,, .	31	8·0	2·7	343	27	7·8	5·5	239	28	5·1	3·4	226	30	5·9	4·7	213	30	8·3	7·1	217	31	7·6	5·9	301
0·9 ,, .	31	8·0	3·4	321	26	6·5	4·0	251	28	5·5	4·9	234	30	4·7	3·4	236	29	6·9	4·9	231	31	6·6	5·0	293
1·5 ,, .	31	6·3	3·5	281	26	6·5	3·8	296	27	5·8	3·3	263	30	5·3	4·3	290	26	5·8	4·4	285	31	6·9	4·0	281
2·1 ,, .	31	7·0	4·9	265	25	7·3	5·5	309	25	6·9	4·5	299	29	7·0	5·7	303	25	6·9	5·3	303	30	7·4	4·2	283
3·0 ,, .	30	9·1	7·6	257	21	8·8	7·6	319	11	10·3	8·0	335	28	10·3	8·6	305	18	7·9	5·5	311	30	8·4	5·7	293
3·6 ,, .	22	9·9	7·9	265	20	9·3	8·6	308					26	11·7	10·5	300	6	7·0	5·2	302	29	9·5	7·5	286
4·5 ,, .					11	9·5	8·1	305					20	12·8	10·8	290					25	9·8	8·5	280
5·4 ,, .					5	10·6	10·6	287					13	14·0	13·7	275					24	12·8	11·6	280
6·0 ,, .					5	12·4	12·2	281					8	16·0	15·5	274					23	14·7	13·6	279
7·2 ,, .													4	16·7	16·5	273					14	19·0	17·5	278
9·0 ,, .																					4	26·0	21·9	291

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

March, 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

Station	BHUJ RUDRAMATA								BIKANER												BOMBAY/SANTA-CRUZ			
Time in I. S. T.	1730				2330				0530				1730				2330				0530*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	3·5	2·3	273	31	3·5	3·2	259	31	0·8	0·2	190	31	1·7	0·8	271	31	2·0	0·3	207	31	0·5	0·3	010
0·15 a.g. .	30	5·0	3·1	273	31	7·6	6·4	267	31	7·1	2·1	145	31	5·5	2·7	270	31	7·9	1·1	108	31	4·4	3·7	345
0·3 a.m.s.l. .	30	5·2	3·3	274	31	7·8	7·0	272	31	5·5	1·9	140	31	5·0	2·5	267	31	6·8	1·3	118	31	4·6	3·8	344
0·6 ,, .	30	5·2	3·2	280	31	7·1	5·8	284	31	7·4	1·5	157	31	6·3	3·1	273	31	7·4	1·0	007	31	5·2	4·2	346
0·9 ,, .	30	5·1	3·0	285	31	6·5	4·6	287	31	6·4	2·4	240	30	6·0	2·6	274	31	7·0	1·8	298	31	5·8	4·1	340
1·5 ,, .	30	5·0	3·9	284	31	6·4	3·5	281	31	7·1	4·3	269	29	6·0	4·9	279	30	5·6	3·2	192	31	6·0	3·8	307
2·1 ,, .	30	6·5	5·2	285	30	6·7	3·3	288	30	7·8	5·8	269	27	5·8	5·7	281	28	6·8	4·6	276	31	6·4	5·0	254
3·0 ,, .	30	9·0	7·3	288	28	7·5	4·6	293	27	9·5	7·0	253	26	8·0	6·9	285	24	9·0	6·5	278	31	6·9	4·6	200
3·6 ,, .	30	10·3	8·9	283	9	8·6	5·6	331	22	10·2	8·2	288	24	10·0	7·3	273	1	9·0	9·0	277	31	7·7	3·9	216
4·5 ,, .	27	12·6	11·0	285	1	16·0	16·0	315	21	12·9	11·0	286	21	12·6	11·0	277					31	8·9	7·5	259
5·4 ,, .	24	14·5	13·0	288	1	19·0	19·0	310	13	14·0	12·3	275	17	15·0	13·5	282					31	13·1	12·3	267
6·0 ,, .	22	14·5	13·3	283					6	13·0	11·6	269	14	17·2	15·2	287					31	15·5	14·5	263
7·2 ,, .	16	17.2	16.0	278					1	15·0	15·0	309	5	20·0	16·1	286					31	19·3	18·0	269
9·0 ,, .	4	32·7	26·7	273																	31	26·7	24·3	265

Station	BOMBAY/SANTACRUZ												CALCUTTA/DUM DUM											
Time in I. S. T.	1130				1730*				2330				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1·4	1·2	305	31	6·2	5·9	308	31	1·4	1·2	323	31	0·4	0·3	184	31	1·5	0·6	219	31	1·4	0·8	208
0·15 a.g. . .	31	2·9	2·0	316	31	6·7	6·3	305	31	5·0	3·2	337	31	5·0	3·0	233	31	3·3	1·1	249	31	5·5	2·4	228
0·3 a.m.s.l. .	31	3·2	2·2	340	31	5·8	5·4	304	31	5·5	4·6	326	31	5·9	3·6	238	31	3·0	1·2	247	31	5·3	2·2	222
0·6 ,, .	31	3·9	2·3	359	31	4·6	3·9	305	31	5·5	4·8	319	30	6·4	3·6	238	31	3·6	1·8	239	31	5·4	2·1	221
0·9 ,, .	31	4·8	3·0	010	31	4·2	3·3	308	31	4·9	4·3	319	30	6·9	4·3	253	30	4·2	2·4	262	31	5·2	2·4	243
1·5 ,, .	31	5·7	3·6	298	31	4·6	3·6	285	31	5·4	4·3	298	30	6·9	5·5	278	27	6·2	5·0	270	31	5·9	4·0	276
2·1 ,, .	31	6·5	5·0	250	31	5·6	4·2	250	31	6·0	3·8	258	30	8·1	6·8	281	22	8·9	7·7	288	31	7·9	6·5	285
3·0 ,, .	31	7·7	6·2	222	31	7·0	4·4	215	31	6·6	3·5	212	30	11·2	10·3	291	19	12·2	10·8	294	31	11·5	10·6	298
3·6 ,, .	31	8·1	5·6	234	31	6·5	4·2	228	26	7·0	2·4	218	30	12·4	11·4	292	18	13·4	11·8	294	31	13·3	12·2	297
4·5 ,, .	30	9·9	8·7	271	30	8·2	6·8	263	22	8·0	7·0	262	30	14·0	13·2	285	17	15·0	14·3	288	31	15·8	14·8	255
5·4 ,, .	30	13·5	12·3	274	30	11·9	11·2	264	15	10·1	9·3	266	30	18·0	17·1	275	15	18·3	16·5	276	31	19·5	18·4	278
6·0 ,, .	30	16·0	14·7	274	30	15·0	14·1	266	8	13·0	11·1	266	30	22·0	21·2	271	14	23·5	22·0	270	31	23·5	22·2	273
7·2 .	27	20·4	18·8	274	29	19·5	18·6	267	1	12·0	12·0	290	29	27·9	26·3	265	7	29·4	28·6	270	30	30·1	28·8	268
9·0 ,, .	22	27·8	25·5	266	29	25·4	22·4	266					28	34·9	32·5	264	4	28·8	27·5	260	28	33·9	31·8	261

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

March, 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

Station	CALCUTTA/ DUM DUM				COCHIN/WILLINGDON†												DEHRA DUN							
Time in I. S. T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1·5	0·9	184	31	0·5	0·4	045	31	4·1	3·5	263	31	0·7	0·5	307	31	0·6	0·4	002	31	1·1	0·8	250
0·15 a. g. .	31	7·5	5·2	216	31	2·8	2·1	019	30	4·3	4·1	273	30	2·5	1·4	336	29	2·0	1.0	082	28	3·1	2·1	245
0·3 a.m.s.l. .	31	7·3	5·5	226	31	2·6	2.2	352	30	5·3	4.9	274	30	2·6	2·2	323								
0·6 ,, .	31	6·2	4·5	240	31	2·9	2·2	333	30	4·0	3·5	284	30	2·8	2·3	304								
0·9 ,, .	31	5·8	4·1	256	31	2·4	1·0	339	30	3·3	1·7	349	30	3·0	1·4	320	29	1·8	0·7	090	28	3·1	2·1	240
1·5 ,, .	30	6·3	5·1	288	31	3·4	1·9	051	30	5·4	4·3	055	29	3·6	2·0	078	28	3·5	0·5	233	28	3·5	2·1	248
2·1 ,, .	28	9·9	8·3	290	30	5·7	5·0	062	30	7·4	6·8	062	28	4·7	3·9	067	27	6·0	1·9	286	28	4·3	1·6	270
																	17	6·3	3·3	305	22	5·1	1·8	270
3·0 ,, .	18	12·5	10·7	234	27	6·0	5·5	071	28	6·3	5·6	062	17	7·8	6·9	059								
3·6 ,, .	4	12·5	5·7	353	13	5·2	3·4	058	23	4·5	3·6	048	4	6·5	6·3	069	12	6·0	3·4	299	19	6·5	3·7	299
4·5 ,, .					2	6·5	5·4	104	20	4·0	1.6	048					3	3·3	2·9	270	18	8·5	5·6	292
5·4 ,, .									20	4·3	1·0	094					1	10·0	10·0	295	17	13·2	10·6	289
																					15	15·0	11·7	283
6·0 ,, .									16	6.1	1·4	187												
7·2 ,, .									6	6·2	5.6	093									11	18·7	11·3	292
9·0 ,, .									3	6·0	5·9	148												

Station	DIBRUGARH/MOHANBARI																GADAG							
Time in I. S. T.	0530				1130				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1·4	1·2	049	31	0·9	0·8	055	31	0·7	0·6	052	31	1·3	0·9	040	31	2·4	1·4	224	31	2·3	0·2	229
0·15 a. g. .	30	5·6	4·6	053	30	3·4	3·0	051	31	3·3	2·5	063	25	4·4	3·8	035	31	4·4	1·7	240	31	3·3	0·2	184
0·3 a.m.s.l. .	30	5.3	4.7	047	30	3·4	3·0	051	31	3·4	2·4	064	25	4·5	3·4	036								
0·6 ,, .	30	5.7	4·4	055	30	3.7	3·3	055	31	3·8	2·8	070	25	4·3	3·4	050								
0·9 ,, .	30	4·3	2·6	079	30	2·8	1·3	068	31	2·8	1·4	085	25	3·5	2·1	082	31	5·0	0.7	298	31	3·4	0·3	216
1·5 ,, .	29	4·0	1·8	089	30	3·7	2·8	214	31	4·1	2·5	212	25	3·5	2·4	200	31	6.6	1·4	167	31	3·6	0·3	199
2·1 ,, .	29	5·0	4·3	230	29	6·0	5·3	220	30	6·6	6·0	232	23	5·0	3·8	217	31	5.1	2·7	170	31	3·7	0·5	189
																	31	3·2	1·0	155	30	3·5	1·0	224
3·0 ,, .	26	7·1	6·6	238	27	8·0	7·1	229	27	9·3	8·7	234	18	6·7	6·2	237								
3·6 ,, .	17	7·0	5·0	243	18	8·0	6·4	230	18	9·8	8·9	228	12	6·9	5·9	245	31	3·8	1·0	333	30	3·8	1·3	255
4·5 ,, .	10	9·5	7·7	268	14	10·4	8·4	251	15	10·1	8·6	230					31	6·1	3·7	283	27	5·4	3·5	285
5·4 ,, .	8	11·0	9·9	283	11	13·5	11·6	257	8	8·9	7·4	240					28	8·5	6.2	285	23	7·4	6·3	283
																	28	9.1	7·0	280	22	8·8	7·9	281
6·0 ,, .	7	10·6	8·0	274	11	15·5	14·7	256	7	11·7	9·9	246												
7·2 ,, .					11	23·0	22·0	261	1	19·0	19·0	275					25	10·9	8.6	280	21	11·6	9·7	270
9·0 ,, .					7	35·4	33·3	231									23	15·6	12.8	273	16	17·7	14·7	296

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

March, 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

Station	GADAG				GANGTOK								GAUHATI											
Time in I. S. T.	2330				0830				1730				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	4·6	3·1	257	31	1·0	0·6	023	31	1·7	0·6	145	31	0·4	0·4	074	31	2·3	1·2	017	31	1·1	0·0	020
0·15 a.g. .	31	8·0	4·6	240	23	2·1	0·4	347	14	5·1	5·0	178	31	2·9	1·5	088	31	3·5	2·2	027	31	3·4	1·0	334
0·3 a.m.s.l. .													31	3·1	1·4	087	31	3·2	1·6	025	31	3·4	1·1	322
0·6 ,, .													31	3·8	0·6	096	30	3·6	0·8	339	31	3·3	1·1	287
0·9 ,, .	31	8·5	2·9	269									31	4·1	1·0	259	30	4·7	2·7	254	31	3·9	2·2	268
1·5 ,, .	31	6·0	1·4	145									30	5·4	3·5	269	28	6·2	5·3	245	31	5·9	5·5	260
2·1 ,, .	30	4·6	3·5	124	23	1·6	0·6	160	14	6·0	5·9	177	30	7·1	5·9	269	28	7·7	7·6	252	31	8·0	7·8	255
3·0 ,, .	30	3·7	2·3	115	20	2·6	1·3	187	11	5·4	4·8	179	30	8·5	7·7	271	28	11·3	10·6	263	30	10·4	9·8	259
3·6 ,, .	30	3·8	0·5	085	19	5·3	3·2	257	6	5·3	4·1	206	30	10·9	9·1	269	26	12·1	11·6	268	30	11·5	10·7	259
4·5 ,, .	21	5·7	4·3	288	18	11·1	8·3	263	3	6·0	5·9	255	30	14·6	13·9	275	24	14·9	14·2	268	30	14·3	13·2	270
5·4 ,, .	14	7·6	6·4	288	15	14·8	13·9	266	2	13·0	12·9	261	29	18·6	17·8	273	21	19·6	18·9	270	30	18·2	17·1	272
6·0 ,, .	4	5·7	4·5	289	11	17·2	16·2	269	2	22·5	22·3	264	29	20·3	19·2	271	20	23·5	23·0	266	30	20·5	19·6	272
7·2 ,, .	1	13·0	13·0	340	4	16·5	15·6	281	1	20·0	20·0	285	29	27·3	25·9	272	17	31·8	31·6	269	30	26·3	25·4	273
9·0 ,, .					2	24·0	23·5	279	1	36·0	36·0	285	23	35·6	33·9	268	4	51·0	48·0	272	27	39·1	37·6	269

Station	GAUHATI				GAYA																GOPALPUR			
Time in I. S. T.	2330				0530				1130				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1·7	0.6	085	31	1·6	0·8	178	31	3·3	1·6	263	31	3·8	2·6	320	31	1·9	0·4	206	31	1·5	0·9	232
0·15 a. g. .	29	3·5	1·2	128	31	4·3	1·7	222	31	4·3	2·0	273	31	5·7	3·9	318	31	6·2	2·3	318	31	6·2	4·1	220
0·3 a.m.s.l. .	28	3·6	1·0	102	31	4·3	1·4	241	31	4·5	2·2	270	31	6·0	4·3	318	31	6·5	2·5	317	31	6·8	4·9	220
0·6 ,, .	28	3·7	0·4	152	31	4·5	2·1	299	31	4·3	2·4	277	31	6·4	4·7	308	31	7·0	4·0	314	31	7·0	4·6	223
0·9 ,, .	29	4·1	2·0	257	31	5·1	3·3	294	31	4·4	3·1	281	31	6·1	4·7	304	31	6·3	4·7	302	31	5·8	3·8	229
1·5 ,, .	29	5·4	4·5	258	31	7·5	5·9	282	30	7·9	7·0	287	31	7·1	5·4	282	31	7·9	7·1	283	28	5·2	2·1	286
2·1 ,, .	27	7·0	6·5	258	31	9·8	8·5	279	25	10·2	9·2	284	29	9·5	8·4	274	28	9·7	8·7	281	28	6·3	3·9	312
3·0 ,, .	23	10·1	9·5	260	29	13·4	12·6	287	13	12·0	11·2	282	27	14·3	13·1	277	18	11·4	10·5	284	25	8·0	6·9	318
3·6 ,, .	8	10·5	9.9	093	24	14·3	13·9	286					25	15·5	14·5	283					22	9·4	8·4	308
4·5 ,, .	2	10·0	10·0	267	15	17·0	16·6	286					20	18·3	17·6	284					16	10·8	10·0	290
5·4 ,, .					9	17·0	16·2	285					12	17·2	16·7	275					11	12·0	11·3	265
6.0 ,, .					4	19·5	15·5	272					10	17·9	17·6	273					11	13·8	13·1	267
7 2 ,, .					1	14·0	14·0	290					2	19·5	19·2	286					2	22·5	22·5	250
9 0 ,, .																								

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

March 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

Station	GOPALPUR								GORAKHPUR								GWALIOR							
Time in I. S. T.	1730				2330				0530				1730				0530				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	3·8	3·5	200	31	2·6	2·5	215	31	0·8	0·7	225	31	1·3	0·9	279	31	0·9	0·3	187	31	2·4	0·7	208
0·15 a. g. .	29	9·0	8·5	188	30	7·8	7·5	209	31	6·5	2·6	315	31	5·3	3·7	284	31	4·6	0·3	134	31	4·1	0·9	207
0·3 a.m.s.l. .	29	8·5	7·8	190	30	7·5	7·1	211	31	7·0	2·8	307	31	5·7	3·9	283	31	3·8	0.9	184	31	3·5	0.8	204
0·6 ,, .	28	6·9	6·1	183	30	5·9	5·3	210	31	7·9	3·6	303	31	6·7	4·5	280	31	5.4	0.5	004	31	4·4	1.2	210
0·9 ,, .	27	4·6	2·8	190	30	4·3	3·4	213	31	7·8	3·8	301	31	7·1	5·1	281	31	5·6	1·2	324	31	4·9	2·0	239
1·5 ,, .	25	4·0	1·3	287	30	4·2	1·4	270	31	8·7	6·6	292	31	7·3	6·3	280	31	5·7	3·8	296	30	6·1	3·1	273
2·1 ,, .	25	6·8	4·8	316	25	5·2	3·3	320	30	10·0	9·1	291	31	9·3	8·4	281	30	7·8	6·6	294	30	7·6	5·5	286
3·0 ,, .	24	9·6	8·7	322	19	7·7	6·9	315	24	10·9	10·5	283	27	12·5	11·5	286	28	11·5	10·4	287	29	10·2	8·6	285
3·6 ,, .	23	10·2	9·8	315	3	6·7	5·8	302	14	10·2	9·3	282	24	13·4	12·5	288	24	12.6	11·8	284	26	12.4	10·5	279
4·5 ,, .	22	10·3	9·3	289					9	10·3	8·6	285	16	12·8	11·9	289	12	24·2	20·6	282	18	15.2	14·5	278
5·4 ,, .	22	14·0	12·8	272					4	17.3	14·3	295	11	15.1	13.9	283	12	16.5	15.6	286	18	18.7	17.9	280
6·0 ,, .	21	16·5	15·7	273					3	22·0	21·3	287	7	13.3	12.0	275	10	17.3	15.9	285	14	20.9	19·8	290
7·2 ,, .	6	18·7	17·7	268									2	11.5	9.7	278	5	20.6	19.2	280	7	24.7	22.9	280
9·0 ,, .																	2	34.0	34.0	273	1	30.0	30.0	285

Station	GWALIOR								IMPHAL/TULIHAL															
Time in I. S. T.	1730				2330				0530				1130				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	2·3	1·4	305	31	0·9	0·2	332	31	0·5	0·2	317	31	0·9	0·7	260	31	3·4	3·1	285	31	1·0	0·3	316
0·15 a. g. .	31	4·6	2·7	318	31	6·1	3·0	042	30	2·2	0·4	010	31	2·7	1·5	235	31	5·9	5·5	284	31	3·1	0·8	240
0·3 a. m. s. l. .	31	4.1	2.3	321	31	5.2	2.7	048																
0·6 ,, .	31	5·2	3.2	319	31	6·5	2.5	026																
0·9 ,, .	31	5·4	3·1	305	31	6·1	1·6	001	30	2·1	0·5	037	31	2·7	1·5	236	31	5·7	5·4	284	31	2·9	0·7	275
1·5 ,, .	31	5·5	3·3	279	30	5·9	4·3	272	30	4·3	3·2	280	31	4·1	3·6	259	31	5·5	5·1	266	31	6·0	5·1	269
2·1 ,, .	31	7·0	4·9	267	30	7·9	6·4	269	30	7·9	7·0	273	31	6·6	5·9	266	31	7·0	6·4	253	31	8·3	7·5	266
3·0 ,, .	29	10·8	9·3	272	25	10·4	8·2	274	27	11·5	10·8	273	30	10·7	9·7	267	30	11·9	11.0	257	16	11·2	10·3	267
3·6 ,, .	26	14·1	13·2	276	4	10.7	9·6	258	17	11·7	11·0	270	21	13·5	12·3	267	26	14·5	14·0	263	6	11·5	11·2	261
4·5 ,, .	23	16·5	15·4	262					10	13·6	12·7	264	10	15·7	14·8	281	8	13·5	12·3	265				
5·4 ,, .	13	16.1	15·4	279					3	14·3	13·9	264	4	15·0	15·0	283	2	19·0	18·9	289				
6·0 ,, .	12	18·9	18·6	283									1	10.0	10.0	296								
7·2 ,, .	6	23.5	23.3	290																				
9.0 ,, .																								

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

March, 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

Station	JABALPUR												JAGDALPUR											
Time in I.S.T.	0530				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	0·5	0·4	152	31	1·4	0·6	311	31	0·6	0·2	132	31	0·2	0·1	135	31	1·5	1·1	235	31	0·8	0·4	190
0·15 a.g. .	31	5·4	2·4	108	31	4·7	2·1	312	31	6·2	1·9	091	31	4·3	2·5	193	30	4·5	2·8	247	31	6·1	1·7	190
0·3 a.m.s.l. :																								
0·6 ,, .	31	6·3	2·9	105	31	5·0	2·4	308	31	6·6	1·8	088	31	2·4	1·5	190	30	3·3	2·0	248	31	4·2	1·2	187
0·9 ,, .	31	7·1	1·6	093	31	5·4	3·1	294	31	4·4	0·9	017	31	5·4	3·4	203	30	4·8	3·2	247	31	6·2	1·7	193
1·5 ,, .	31	6·5	3·2	275	31	6·0	4·0	286	31	5·7	3·0	277	30	4·7	2·1	229	30	4·7	3·2	267	31	4·9	1·5	245
2·1 ,, .	31	8·6	6·8	271	31	7·1	5·8	274	31	7·1	5·6	268	30	4·4	2·2	293	29	4·8	3·2	263	31	4·5	2·5	275
3·0 ,, .	30	11·8	10·5	268	29	11·2	10·0	265	23	9·7	8·8	271	30	7·0	4·9	309	26	4·7	3·3	285	29	5·1	3·7	299
3·6 ,, .	24	13·3	11·9	268	28	13·8	13·2	265	10	11·8	10·6	272	28	8·1	6·8	312	21	6·5	4·9	291	18	7·4	6·2	310
4·5 ,, .	15	13·4	12·7	281	24	16·0	15·1	271	3	16·3	16·0	279	24	10·8	9·2	303	15	8·9	7·9	301	9	7·5	7·3	299
5·4 ,, .	10	15·2	14·5	284	19	18·4	17·2	277					23	12·6	11·1	285	12	12·5	12·1	288	3	5·3	5·0	299
6·0 ,, .	8	17·4	16·6	282	16	20·9	20·2	280					21	14·5	12·2	277	10	15·7	14·7	288	2	3·0	2·9	325
7·2 ,, .	5	20·4	19·3	253	8	24·1	23·1	285					14	17·1	15·4	277	9	19·4	18·0	282				
9·0 ,, .	1	19·0	19·0	304									7	19·3	17.6	281	5	24·0	23·7	296				

Station	JAIPUR/SANGANER												JAMSHEDPUR											
Time in I.S.T.	0530				1730				2330				0530				1130				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	0·9	0·5	072	31	2·3	1·5	276	31	0·9	0·6	029	31	0·7	0·5	321	31	1·5	0·8	287	31	2·0	0·6	347
0·15 a.g. .	31	5·1	1·2	065	31	4·9	2·2	276	31	5·8	2·3	338	31	3·5	2·5	297	31	2·6	0·8	274	31	4·0	1·5	358
0·3 a.m.s.l.													31	3·6	2·3	296	31	2·6	0·7	272	31	4·1	1·4	352
0·6 ,, .	31	5·8	0·8	073	31	5·0	2·4	272	31	6·0	2·3	337	31	4·2	1·9	293	31	3·0	1·2	300	31	4·3	1·5	326
0·9 ,, .	31	6·9	1·3	257	31	5·2	3·0	278	31	6·3	2·7	316	31	4·8	2·5	281	31	3·5	1·3	284	31	5·1	1·9	294
1·5 ,, .	31	8·2	4·2	273	30	5·8	3·8	276	30	5·9	3·2	286	31	6·5	4·9	279	31	6·3	3·8	287	31	5·2	3·3	269
2·1 ,, .	31	9·0	6·0	284	30	5·9	4·4	274	26	6·9	4·1	267	31	7·6	6·1	281	29	7·9	6·2	280	27	7·0	6·2	270
3·0 ,, .	29	9·9	7·8	281	27	8·5	6·2	281	17	8·4	6·9	274	26	10·7	9·7	294	15	11·0	9·1	299	25	10·9	10·0	285
3·6 ,, .	29	11·3	9·3	278	27	10·5	8·7	279	4	8·7	8·6	260	17	13·9	13·3	298					21	14·2	13·2	290
4·5 ,, .	24	11·4	9·7	270	24	13·1	11·4	285					14	14·1	13·5	293					17	15·4	15·0	291
5·4 ,, .	19	19·3	12·5	271	21	15·2	13·3	273					8	15·1	14·2	278					10	14·2	13·7	281
6·0 ,, .	17	16·2	14·9	273	20	17.3	15·7	269					4	18·7	17·7	273					3	24·3	22·7	275
7·2 ,, .	7	18·6	17.2	277	10	18.8	18·3	292																
9·0 ,, .	2	16·5	15·8	271	1	27.0	27·0	275																

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

March, 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

Station	JHARSUGUDA												JODHPUR											
Time in I.S.T.	0530				1730				2330				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	1·3	0·9	030	31	2·4	1·1	253	31	1·5	0·4	009	31	1·6	0·8	005	31	1·6	0·8	221	31	2·8	1·5	258
0·15 a.g. .	30	3·7	2·3	064	31	4·3	2·3	266	30	4·5	1·3	332	31	5·8	0·9	355	31	4·3	2·1	214	31	4·4	2·9	282
0·3 a.m.s.l.	30	3·2	2·3	057	31	3·8	2·0	265	30	3·5	0·7	009	31	6·4	1·2	323	31	3·6	1·7	217	31	4·5	3·0	287
0·6 ,, .	30	4·3	0·8	098	31	4·3	2·5	263	30	5·0	1·4	297	31	6·3	1·6	302	31	4·4	2·1	206	31	4·5	3·4	272
0·9 ,, .	30	4·7	0·2	340	31	4·3	2·8	267	30	5·3	1·1	285	31	6·0	2·3	277	31	4·7	2·4	233	31	4·9	3·7	265
1·5 ,, .	30	5·7	2·8	292	30	5·1	4·0	273	29	5·0	2·5	296	31	6·2	4·3	265	31	6·3	4·0	249	31	5·4	4·0	262
2·1 ,, .	29	7·4	6·0	289	29	6·8	5·6	278	28	6·9	4·8	288	31	7·3	5·0	266	31	7·7	5·3	264	31	5·8	4·5	268
3·0 ,, .	29	11·2	10·0	293	28	10·1	8·6	288	25	9·7	7·9	292	31	9·4	7·1	264	31	9·8	8·0	275	31	8·8	7·2	273
3·6 ,, .	27	13·6	12·6	292	27	12·0	10·8	290	3	11·0	10·5	259	30	10·5	8·1	267	30	10·5	8·7	278	31	10·8	9·1	277
4·5 ,, .	20	15·4	14·9	292	22	14·0	12·6	285					28	12·6	9.5	270	30	13·0	11·1	274	30	15·0	13·5	271
5·4 ,, .	14	17·6	17·3	289	20	17·3	11·2	280					28	15.7	14.4	270	28	16·5	15·0.	271	30	16·7	15·7	269
6·0 ,, .	9	19·4	18·8	285	17	19.8	19.2	281					28	18.0	16.9	268	28	18·5	16·9	273	30	17·8	16·8	271
7·2 ,, .	2	21·5	20·4	295	12	25.2	24.2	280					28	22.9	21.2	269	21	23·3	20·5	273	30	22·5	21·0	269
9·0 ,, .	1	21·0	21.0	290	3	25.0	25.0	294					26	32.0	30·1	270	17	33·1	30·7	278	27	30·8	29·2	274

Station	JODHPUR				LUCKNOW/AMAUSI												MADRAS/MINAMBAKKAM							
Time in I. S. T.	2330				0530				1730				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	2·2	1·0	300	31	1·2	0·3	285	31	3·5	1·4	302	31	1·6	0·3	293	31	1·3	0·8	164	31	2·5	1·7	154
0·15 a. g. .	31	8·5	2·6	296	31	5·6	2·3	357	30	6·0	3·2	296	31	7·4	3·6	322	31	3·3	1·9	166	31	4·1	3·0	160
0·3 a. m. s. l.	31	7·5	2.3	292	31	5·7	2·9	338	30	6·0	3·2	297	31	7·4	3·7	321	31	4·2	2·8	165	31	4·0	2·9	169
0·6 ,, .	31	8·7	3·2	293	31	6·3	2·9	315	31	6·1	3·4	289	31	8·3	3·8	312	31	5·1	3·7	168	31	4·0	2·9	166
0·9 ,, .	31	7·6	3·6	292	31	7.0	4·1	307	31	6·1	3·4	281	31	8·2	3·8	303	31	5·5	3·7	158	31	4·7	3·0	148
1·5 ,, .	31	6·8	5·0	273	31	9·5	4·3	317	31	7·1	4·6	280	31	7·9	6·0	289	31	6·2	4·0	110	29	6·3	4·3	096
2·1 ,, .	31	6·8	5·2	277	31	10·9	8·7	293	31	8·4	6·4	280	27	8·4	6·8	279	31	6·7	5·3	076	27	7·4	5·5	072
3·0 ,, .	26	7·0	5·0	278	31	13·3	11·7	290	31	11·5	9·7	276	22	10·8	9·5	274	31	6·9	5·1	047	26	6·6	4·0	054
3·6 ,, .	6	6·7	5·8	270	27	12·4	11.3	281	30	14·9	12·3	278	9	10·4	9·6	273	31	5·5	3·2	032	21	5·1	3·1	055
4·5 ,, .					18	13·9	12·6	273	30	18·1	16·4	277	3	13·6	13·0	263	31	4.1	1.8	336	18	4·5	1·7	054
5·4 ,, .					15	16·7	15·4	274	24	20·9	19·5	290	1	6·0	6·0	267	31	4.5	1.0	272	18	5·0	1·3	113
6·0 ,, .					11	18·1	16.5	273	21	20·9	19·3	279	1	7·0	7·0	267	31	5.2	2.2	266	18	4·6	1·8	183
7·2 ,, .					8	20.2	19.0	273	12	25·0	21·9	290					31	7.0	4.5	271	17	6·3	3·4	248
9·0 ,, .					1	25 0	25.0	313	5	25·4	23.7	288					31	11.1	8.8	275	15	11.3	9.4	235

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

March, 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

Station	MADRAS/MINAMBAKKAM								MANGALORE/BAJPE												MINICOY			
Time in I. S. T.	1730*				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	4·9	4·6	125	31	2·4	2·1	131	31	0·5	0·4	069	31	4·3	4·0	282	31	1·0	1·0	321	31	1·1	1·0	339
0·15 a. g. .	31	6·4	5·9	128	31	5·9	5·3	136	31	2·7	2·3	030	31	7·1	6·8	282	31	4·1	3·9	329	31	3·5	2·8	344
0·3 a. m.s.l.	31	6·6	6·1	134	31	6·3	5·5	138	31	2·8	2·3	022	31	7·3	7·0	280	31	4·1	3·9	324	31	3·3	2·6	345
0·6 ,, .	31	5·6	4·9	146	31	6·1	5·1	139	31	2·6	1·2	358	31	5·7	5·2	289	31	4·2	4·0	322	31	3·2	2·4	001
0·9 ,, .	31	4·9	3·4	136	31	5·5	4·2	127	30	3·5	1·2	011	31	3·7	3·1	302	31	3·0	2·2	329	31	3·3	2·3	042
1·5 ,, .	31	6·0	4·1	093	31	5·8	4·1	097	29	4·6	0·8	093	31	4·1	2·1	022	31	3·1	1·4	333	31	4·7	3·8	083
2·1 ,, .	31	6·6	4·9	065	31	6·2	4·4	068	28	5·7	3·1	106	30	6·1	4·3	071	29	6·1	3·8	060	28	6·3	5·6	081
3·0 ,, .	31	7·2	5·3	027	30	7·4	4·7	042	29	6·1	4·8	081	30	7·6	6·7	076	29	8·1	7·3	084	30	6·6	5·7	083
3·6 ,, .	31	6·4	4·3	018	18	5·4	4·5	002	28	5·5	3·1	078	30	6·3	4·2	072	16	6·0	4·3	091	28	4·7	3·8	086
4·5 ,, .	31	4.3	1·8	333	9	4·2	1·2	321	27	3·9	0·8	323	26	3·7	0·8	356	11	4·5	1·6	323	25	4·8	3·4	075
5·4 ,, .	31	4·2	1·8	294	4	5·3	0·9	118	25	5·8	2·2	289	26	4·5	1·9	347	6	5·2	3·7	261	25	6·0	2·7	074
6·0 ,, .	31	5·4	3·2	282	2	7·5	2·1	185	22	5·1	1·6	281	26	5·2	2·5	331	4	4·5	2·5	302	25	5·8	1·6	085
7·2 ,, .	31	6·7	4·3	280					14	7·9	1·8	312	21	6·7	3·9	316					17	8·1	0·4	072
9·0 ,, .	31	10·7	8·4	276					7	11·6	9·7	263	9	9·1	5·7	261					11	7·5	0·7	209

Station	MINICOY												NAGPUR/SONEGAON											
Time in I. S. T.	1130				1730*				2330				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	2·0	1·6	342	31	2·6	2·4	335	31	1·5	1·3	330	31	1·3	0·8	360	31	2·3	0·8	005	31	3·0	1·1	265
0·15 a.g. .	31	3·5	3·0	347	30	3·5	3·2	335	31	2·9	2·5	337	31	5·2	2·4	043	31	3·7	1·4	013	31	4·8	2·1	280
0·3 a.m.s.l. .	31	3·7	3·2	347	30	3·5	3·1	342	31	2·7	2·5	341												
0·6 ,, .	31	3·4	2·5	007	30	3·5	2·8	355	31	2·8	2·0	356	31	5·4	1·9	053	31	4·1	1·0	052	31	4·5	1·9	264
0·9 ,, .	31	3·7	2·5	037	30	3·3	1·8	021	31	2·9	1·6	043	31	5·8	0·7	093	30	3·9	0·2	241	31	4·3	2·1	255
1·5 ,, .	29	5·0	3·8	077	30	5·0	3·7	075	30	5·3	4·4	073	31	5·2	2·3	244	30	4·7	2·9	251	31	4·5	2·7	259
2·1 ,, .	28	6·5	5·5	083	30	6·3	5·7	075	25	7·0	6.3	074	31	5·8	4·3	253	30	6·3	4·9	246	31	5·3	4·0	250
3·0 ,, .	25	6·6	5·8	076	30	5·6	4·7	062	22	6·1	4·9	071	31	7·0	6·0	260	28	8·6	6·5	255	31	7·3	6·3	258
3·6 ,, .	24	5·4	3·5	087	30	4·5	3·2	062	9	4·9	4·2	074	30	8·8	7·9	265	28	9·6	8·5	267	31	8·7	7·7	265
4·5 ,, .	22	5·5	4·3	088	30	4·0	2·6	079	1	4·0	4·0	040	29	11·5	10·5	272	26	11·3	10·3	277	31	11·6	10·6	275
5·4 ,, .	19	6·4	3·7	083	30	5·7	3·1	074					29	14·1	13·2	277	24	16·4	15·9	278	31	13·7	12·9	275
6·0 ,, .	19	6·6	3·7	091	30	5·8	2·1	070					29	16·4	15·7	277	24	18·4	17·7	275	31	16·4	15·6	277
7·2 ,, .	6	8·2	1·2	075	30	7·2	0.6	132					28	21·3	20·4	273	22	25·7	23·8	276	30	21·1	19·7	274
9·0 ,, .	5	5·8	3·1	164	30	7·2	1·7	133					27	25.5	23.9	273	16	33·1	31·3	271	30	27·2	25·3	273

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

March, 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

Station	NAGPUR/ SONEGAON				NEW DELHI/SAFDARJUNG																POONA			
Time in I.S.T.	2330				0530*				1130				1730*				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	2·5	0·3	055	31	2·3	1·2	315	31	2·7	1·4	275	31	3·0	1·5	295	31	1·6	0·9	007	31	0·2	0·1	267
0·15 a.g. .	31	6·3	1·2	049	31	5·6	2·6	325	31	4·4	1·8	302	31	5·2	2·2	293	31	6·0	3·4	343	31	3·5	2·2	288
0·3 a.m.s.l.					31	4·3	2·2	326	31	4·4	1·9	298	31	4·3	2·4	297	31	4·8	2·5	009				
0·6 ,, .	31	6·3	0·6	024	31	6·3	2·6	328	31	4·9	2·5	270	31	6·0	2·9	291	31	6·7	1·2	157	31	2·1	1·8	241
0·9 ,, .	31	5·5	0·9	264	31	6·5	3·1	314	31	5·7	3·1	273	31	6·3	3·4	294	31	6·8	2·6	333	31	4·8	2·9	315
1·5 ,, .	31	5·3	3·1	242	31	7·9	5·1	294	31	6·1	3·5	284	31	7·2	4·3	279	30	7·1	4·7	244	31	7·3	4·1	324
2·1 ,, .	31	5·7	4·8	243	31	8·5	6·6	290	30	7·7	4·7	295	31	8·1	5·0	274	30	7·4	5·5	263	31	5·2	1·8	267
3·0 ,, .	29	8.5	7·4	256	31	10·3	7·6	280	29	9·9	9·3	285	31	9·2	6·0	274	25	8·3	6·7	263	30	5·9	3·6	212
3·6 ,, .	21	9·7	8·6	273	31	11·3	8·5	277	25	11·7	8·4	284	31	11·7	8·5	271	4	7·5	6·8	254	25	6·0	3·4	228
4·5 ,, .	8	9·9	9·4	279	31	14·1	10·9	274	24	13·6	10·6	283	31	13·8	11·0	272					9	10·0	4·9	234
5·4 ,, .					31	15·8	12·4	277	22	16·4	13·3	277	31	16·1	13·2	274					1	13·0	13·0	285
									21	18·5	15·5	277												
6·0 ,, .					31	18·4	15·4	271	18	22·3	18·6	274	31	18·0	15·2	273					1	13·0	13·0	255
7·2 ,, .					31	22·0	19·3	273	7	31·4	30·3	270	31	22·0	19·4	275								
9·0 ,, .					31	30·8	28·2	271					31	29·7	27·1	279								

Station	POONA								PORT BLAIR															
Time in I.S.T.	1730				2330				0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	1·6	1·4	281	31	0·4	0·4	293	31	0·7	0·6	033	31	2·7	2·3	068	31	1·2	1·0	057	31	1·3	1·0	035
0·15 a.g. .	31	5·0	4·5	288	31	4·6	4·5	282	31	3·1	2·5	029	31	3·8	3·3	065	31	3·5	2·9	064	31	3·3	2·5	042
0·3 a.m.s.l. .									31	3·1	2·4	030	31	3·8	3·6	063	31	3·5	2·9	063	31	3·4	2·6	048
0·6 ,, .	31	3·3	2·9	293	31	2·0	1·8	268	31	3·3	2·5	051	31	3·4	2·4	055	31	3·4	2·7	049	31	3·7	2·9	062
0·9 ,, .	31	4·7	4·3	290	31	6·2	5·7	298	31	3·5	2·0	067	30	3·6	1·8	057	31	3·6	2·5	043	30	3·5	2·6	077
1·5 ,, .	31	4·6	3·8	288	31	7·4	6.7	299	31	4·1	2·1	088	29	3·7	2·1	079	31	3·5	2·3	061	29	3·6	2·0	070
2·1 ,, .	31	4·4	3·2	277	31	5·1	2·1	283	31	4·7	3·3	097	25	4·1	2·5	080	31	4·4	2·5	085	28	4·0	2·4	078
3·0 ,, .	31	5·3	2·6	237	31	6·1	2·8	154	31	4·0	2·1	112	19	4·2	1·4	092	31	4·0	1·5	080	26	3·5	1·4	082
3·6 ,, .	31	6·1	3·6	245	29	6·2	2·4	178	31	3·8	1·8	095	17	3·9	1·5	063	31	3·3	1·4	063	15	3·6	1·4	058
4·5 ,, .	30	8·5	7·3	277	12	6·0	3·5	263	31	3.8	1·3	072	17	3·9	1·5	104	30	3·8	1·3	061	11	4·3	1·7	082
5·4 ,, .	30	12·7	11.5	274	3	10·0	9·1	305	31	4·6	2·0	078	15	4·1	1·5	097	30	4·9	2·0	076	5	5·0	1·3	220
6·0 ,, .	30	15·4	13·9	275	2	13·0	11·0	298	31	4·9	1·4	061	15	5·5	2·7	109	30	5·2	1·0	121	4	5·0	2·5	240
7·2 ,, .	26	18·1	16.0	276					31	6·2	1·3	142	9	6·7	3·8	120	29	6·0	0·9	167	1	2·0	2·0	230
9·0 ,, .	10	22·7	19·3	277					31	6·9	2·4	247	6	5·0	3·1	118	28	6·2	3·1	217				

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

March, 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

Station	RAIPUR												RAXAUL								SRINAGAR			
Time in I. S. T.	0530				1730				2330				0530				1730				0530*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	1·5	0·3	198	31	1·9	1·2	276	31	2.5	0·3	265	31	2·2	0·9	100	31	2·6	1·8	261	27	0·8	0·5	168
0·15 a. g.	31	4·2	1·1	056	30	3·8	2·2	274	31	5·9	0·7	001	30	6·2	1·7	108	30	5·5	3·7	259	27	1·7	0·5	158
0·3 a. m. s. l.													30	6·6	1·4	071	30	5.7	4.5	261				
0·6 ,,	31	5·5	0·9	115	30	4·2	2·7	266	31	5·6	0·9	322	30	6·1	0·7	250	30	6·2	4·5	259				
0·9 ,,	31	5·5	0·8	175	30	4·4	3·0	262	31	4·7	1·6	276	30	5·3	1·4	276	30	5·6	3.7	259				
1·5 ,,	31	5·5	2·4	252	30	5·3	4·1	260	30	4·4	3·3	255	30	5·3	3·3	274	30	5·8	4·2	259				
2·1 ,,	31	6·5	5·3	260	30	6·5	5·5	266	30	5·9	4·7	267	29	6·3	5·0	278	29	7·3	6·7	274	27	1·7	0·5	161
3·0 ,,	28	9·2	8·3	271	29	9·4	8·1	278	30	8·6	7·2	271	26	11·1	10·5	285	19	8·0	7·0	288	27	3·2	2·3	150
3·6 ,,	26	11·6	9·0	281	27	11·4	10·4	278	18	9·9	8·9	280	17	12·9	11·9	290	14	10·7	10·0	282	27	5·6	4·4	157
4·5 ,,	25	13·3	12.1	288	26	12·7	11·7	275	10	11·5	10·0	274	9	11·7	11·1	285	11	3·5	3·3	286	27	7·1	3·3	192
5·4 ,,	19	15·2	14·2	285	24	15·5	14·9	276					2	8·5	7·1	307	1	12·0	12·0	315	27	9·2	6·0	224
6·0 ,,	19	18·6	17·5	280	22	17·9	17·4	275					1	11·0	11·0	250					26	11·2	8·3	233
7·2 ,,	10	20.7	20·1	273	15	22·6	21·8	269													26	14·6	11.2	250
9·0 ,,	3	30·7	28·3	278	4	32.0	31.1	256													23	19·3	15·4	259

Station	SRINAGAR				TIRUCHCHIRAPPALLI												TRIVANDRUM							
Time in I. S. T.	1730*				0530				1730				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	27	1·9	0·9	202	31	1·9	0·3	032	31	3·1	2·9	087	31	3·9	3·0	116	31	1·1	0·9	352	31	1·8	1·3	290
0·15 a. g.	27	2·4	1·1	328	31	4·8	1·2	060	31	4·7	4·3	087	31	6·4	4·8	123	31	4·2	3·2	349	31	3·5	2·7	285
0·3 a. m. s. l.					31	4·8	1·6	092	31	4.8	4.4	090	31	6·8	5·2	124	31	4·3	3·2	340	31	3·9	2·7	284
0·6 ,,					30	5·1	2·4	101	31	4·7	4·1	095	31	6·2	4·6	125	31	4·2	2·8	325	31	2·6	1·9	299
0·9 ,,					27	4·6	1 9	111	31	4·5	3·8	096	31	5·6	3·8	104	31	3·6	2·2	333	30	2·6	1·6	347
1·5 ,,					27	4·6	3 0	090	31	5·0	3·6	077	31	5·4	4·3	079	31	4·6	3·4	045	21	4·2	3·2	055
2·1 ,,	27	2·1	0·9	343	25	6·0	5·0	066	31	5·7	4·5	057	31	5·6	4 6	062	31	6·3	5·4	061	14	6·6	6·4	071
3·0 ,,	27	4·4	3·0	143	24	7·7	6·7	048	30	6·5	4 8	034	29	6·4	5·5	038	31	6·5	5·6	057	12	8·3	7·5	068
3·6 ,,	27	5·4	4·0	157	24	6·7	5·5	046	28	6·0	4·2	022	27	4·7	3·6	037	31	5·3	3·9	069	11	5·7	5·1	080
4·5 ,,	27	7·2	5·2	187	24	4·9	2.8	072	27	4·1	2·1	048	20	5·1	3·4	073	31	4·9	2·6	082	10	5·6	5·1	070
5·4 ,,	27	9·8	5·7	222	23	5·6	2·7	069	25	4.1	1.6	089	10	5·7	3·0	083	31	5·2	2·6	082	10	6·1	5·5	078
6.0 ,,	27	10·9	6·9	246	21	5·4	1 5	085	23	5.1	0·8	088	7	6·0	4·0	074	31	5·0	2·7	059	9	5·2	3·6	083
7·2 ,,	26	14·7	8·7	248	14	7·4	1·2	324	16	5·7	1.6	193	1	9·0	9·0	095	31	7·4	1·0	053	9	8.0	3.1	109
9·0 ,,	26	19·0	13·5	268	9	9·2	6·8	252	11	10·6	7·7	244					31	7·6	2·3	156	6	11·3	5·1	181

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

March, 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

Station	TRIVANDRUM								UDAIPUR												VENGURLA			
Time in I.S.T.	1730*				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	3·1	2·6	261	31	1·4	0·9	329	31	C A L M			31	0·8	0·7	240	31	0·2	0·1	272	31	0·6	0·6	355
0·15 a.g. .	31	5·3	4·7	266	31	4·0	2·9	317	31	2·6	1·2	310	31	4·8	2·9	258	31	3·7	1·9	310	31	4·3	3·1	003
0·3 a.m.s.l. .	31	5.6	4.8	266	31	4.0	2.8	305													31	5·4	4·2	357
0·6 ,, .	31	5.0	3.3	264	31	4.1	3.3	312													31	6·4	5·8	353
0·9 ,, .	31	3.7	0.9	323	31	3·9	2·9	343	31	4·2	1·3	315	31	5·7	3·6	260	31	4·9	2·5	302	31	8·0	7·6	346
1·5 ,, .	31	6.0	4.7	047	30	4·6	3·4	034	31	7·1	3.5	276	31	5·9	4·0	258	31	6·0	3·7	282	31	6·3	4·1	334
2·1 ,, .	31	7.8	7.3	050	29	6·2	5·0	055	31	8·0	6·1	265	31	5·7	4·2	264	31	6·0	4·0	263	31	5·0	0·4	094
3·0 ,, .	31	6.8	5.7	051	23	6·3	5·5	067	31	10·7	8·6	260	31	7·5	6·4	268	30	8·4	6·6	260	28	5·3	3·1	156
3·6 ,, .	31	5.8	4.1	060	17	5.3	3.8	074	31	11·1	9·5	260	31	9·5	8·1	270	24	9·4	7·6	270	4	3·3	1·4	248
4·5 ,, .	31	5.3	2.6	072	6	5.8	1.1	116	30	12.7	11·2	265	30	12.8	11.2	274	12	6·7	6·1	274				
5·4 ,, .	31	5.1	3.1	064	3	4.3	3.9	090	29	15·1	13·8	263	29	15·6	14·5	276	1	5·0	5·0	294				
6·0 ,, .	31	5.3	1.7	055	1	7.0	7.0	135	28	15.9	14·6	267	28	16·9	15·4	278								
7·2 ,, .	31	7.3	2.1	042					23	18·7	17.8	273	21	19·1	17·3	279								
9·0 ,, .	31	7.3	2·3	203					15	24·5	22·9	275	9	21·3	20·4	273								

Station	VENGURLA								VERAVAL												VIJAYAWADA/ GANNAVARAM			
Time in I.S.T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	3·1	2·9	280	31	0·7	0·7	350	31	3·8	2·8	332	31	7·4	6·8	286	31	4·4	3·7	304	31	1·6	1·1	101
0·15 a.g. .	31	5·3	4·9	294	31	4·4	4·2	343	30	9·5	7·8	337	31	7·4	7·0	280	31	8·2	6·8	315	31	4·1	3·5	162
0·3 a.m.s.l. .	31	5·2	4·7	299	31	6.1	5.7	339	30	9·6	7·5	334	31	7.8	7·1	282	31	8.9	7.3	319	31	5·3	4·8	167
0·6 ,, .	31	4·9	3·8	319	31	6.2	6.2	339	30	9·0	6·2	332	31	6·7	5·5	295	31	8.2	6·2	317	31	6·9	6·5	166
0·9 ,, .	31	4·6	3·5	323	31	6·7	6·4	333	30	8·1	4·5	329	31	6·2	5·0	307	31	7·1	4·3	319	31	7·0	6·1	164
1·5 ,, .	31	4·3	2·9	331	31	5·6	4·7	308	28	6·9	2·0	312	31	6·5	3·9	312	31	6·6	3·1	302	28	6·0	3·8	140
2·1 ,, .	31	4·5	0·9	350	31	5·0	0·4	279	29	8·0	3·3	257	31	7·2	3·9	298	31	7·8	3·5	290	26	5·5	1·9	075
3·0 ,, .	30	5·1	0·9	112	31	6·3	3·0	118	25	8·8	4·3	259	31	8·5	5·7	283	30	7·9	4·2	274	23	6·8	4·9	342
3·6 ,, .	29	4·7	0·3	291	12	5·9	3·8	112					31	8·4	6·8	285	16	7·5	5·2	279	21	6.2	4.6	329
4·5 ,, .	28	5·7	3·7	286									31	11·7	10·5	281	9	7·8	6·6	301	20	6.1	5·0	275
5·4 ,, .	27	8·0	6·2	290									31	15·1	14·5	281	5	12.0	11.4	280	19	8·8	7·4	267
6·0 ,, .	27	9.0	6.9	284									31	17·9	17·3	279	3	13.7	13.7	291	18	9.8	8·4	269
7·2 ,, .	26	11.6	9.4	285									30	22.6	21·3	277					18	12·5	10.9	265
9·0 ,, .	10	16.5	14·1	284									16	30.6	28.3	277					15	20·2	18.9	259

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 km. above mean sea level

March, 1965 (Phalguna 10, 1886 Saka/--Chaitra 10, 1887 Saka)

Station	VIJAYAWADA/GANNAVARAM								VISHAKHAPATNAM															
Time in I.S.T.	1730				2330				0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	4·0	3·6	139	31	2·1	1·8	154	31	2·4	1·6	304	31	2·9	2·6	183	31	2·6	1·7	240	31	2·6	2·3	244
0·15 a.g. .	31	4·5	4·3	146	31	5.5	5·3	162	31	5·0	3·7	306	31	4·5	3·9	194	31	4·3	2·9	252	31	5·0	4·6	237
0·3 a.m.s.l. .	31	4·7	4·4	151	31	5·7	5·5	162	31	4·7	3·5	274	31	4.6	3·7	198	31	5·0	3·6	232	31	5·2	4·8	227
0·6 ,, .	31	4·4	4·0	156	31	5·2	4·9	162	31	5·1	4·2	227	31	3·8	3·0	224	31	6·2	4·9	211	31	6·1	5·7	224
0·9 ,, .	31	3·8	3·2	154	30	4·7	3·7	154	31	5·1	3·5	215	30	3·5	2·1	212	31	6·0	3·8	208	28	5·5	4·7	210
1·5 ,, .	31	4·5	2·2	141	30	4·7	2·1	128	31	4·5	1·6	226	30	3·8	1·0	186	31	4·6	0·6	245	25	3·1	1·7	200
2·1 ,, .	31	6·0	1·6	073	30	5·2	1·4	056	31	7·1	1·8	327	29	5·1	1·5	013	31	5·0	2·0	355	23	4·3	0·6	062
3·0 ,, .	30	6·9	4·3	358	29	5·5	2·7	354	31	7·2	4·3	336	27	6·5	4·5	339	31	7·8	5·8	335	22	4·9	3·7	354
3·6 ,, .	30	6·5	4·0	338	27	5·3	3·5	315	31	7·6	6.3	321	26	6·9	5·2	318	31	9·5	7·1	335	11	6·6	6·0	347
4·5 ,, .	8	7·6	6·5	281	25	7·2	6·1	281	31	9·3	8·1	284	23	8·0	6·6	280	31	9·7	8·7	286	3	6·7	5·3	271
5·4 ,, .	28	9·8	8·7	279	12	9·0	8·2	266	31	12·9	11·6	277	23	10·9	9·7	277	30	11·9	11·8	274	1	5·0	5·0	255
6·0 ,, .	27	10·1	9·0	275	8	9·5	8·3	262	31	14·9	13·6	270	23	12·3	11·4	275	30	13·9	12·5	271				
7·2 ,, .	24	13·1	11·3	266					31	17·3	15·5	270	17	14·5	14·0	269	29	18·4	16·4	268				
9·0 ,, .	17	17·9	16 4	260					28	25·8	24·3	268	11	21·4	20·5	255	29	26·0	23·7	265				

Table V—Monthly Mean Directions and Velocities of Upper Winds

Winds above 9·0 Km. above mean sea level

March, 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

AHMADABAD

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	12	39·8	38·2	280
12·0	10	42·8	39·1	280
14·1	4	38·5	37·3	269
16·2	1	50·0	50·0	270

1130 hr.

Ht. in Km.	n	V	v	D
10·5	3	33·0	31·2	257
12·0	1	46·0	46·0	246

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	21	37·2	35·2	284
12·0	10	33·1	31·5	287
14·1	2	44·5	38·7	245

ALLAHABAD/BAMHRAULI

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	21	44·4	42·7	257
12·0	15	41·9	39·7	261
14·1	9	34·4	33·3	265
16·2	3	29·3	28·5	249

1130 hr.

Ht. in Km.	n	V	v	D
10·5	2	29·5	28·9	282

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	21	46·4	43·3	257
12·0	15	41·1	39·3	256
14·1	6	33.7	32·6	260
16·2	2	33·5	33·5	253
18·0	1	20·0	20·0	271
21·0	1	6·0	6·0	267

ANANTAPUR

0530 hr.

Ht. in Km.	n	V	v	D
10·5	2	5·5	5·4	282
12·0	2	9·0	9·0	277

1730 hr.

Ht. in Km.	n	V	v	D
10·5	1	14·0	14·0	279

ASANSOL

0530 hr.

Ht. in Km.	n	V	v	D
10·5	1	36·0	36·0	266

BANGALORE

0530 hr.@

Ht. in Km.	n	V	v	D
10·5	28	12·0	8·2	230
12·0	25	12·2	9·4	284
14·1	22	10·0	8·2	268
16·2	15	7·6	5·5	276
18·0	13	5·0	2·2	238
21·0	9	5·7	3·8	286
24·0	3	9·0	4·7	241

1130 hr.

Ht. in Km.	n	V	v	D
10·5	15	12·9	10·5	243
12·0	13	14·2	11·4	248
14·1	10	15·8	11·5	253
16·2	7	8·4	7·2	269
18·0	5	8·4	7·4	255
21·0	1	7·0	7·0	315
24·0	1	8·0	8·0	280
27·0	1	4·0	4·0	160

1730 hr @

Ht. in Km.	n	V	v	D
10·5	24	14·7	10·8	234
12·0	24	12·6	10·9	246
14·1	22	10·8	7·9	264
16·2	18	5·4	2·9	282
18·0	15	5.7	1.9	246
21·0	8	7·2	4·8	274
24·0	1	4·0	4·0	020

BEGAMPET

0530 hr.

Ht. in Km.	n	V	v	D
10·5	5	24.4	21.7	265
12·0	3	21·0	18·7	242
14·1	1	26·0	26·0	210
16·2	1	24·0	24·0	200

1730 hr.

Ht. in Km.	n	V	v	D
10.5	7	26·6	25·9	244
12·0	3	26·0	25·3	237

BHOPAL/BAIRAGARH

0530 hr.

Ht. in Km.	n	V	v	D
10·5	1	27·0	27·0	290

BHUJ/RUDRAMATA

0530 hr.

Ht. in Km.	n	V	v	D
10·5	3	42·7	37·2	287
12·0	1	50·0	50·0	245

1730 hr.

Ht. in Km.	n	V	v	D
10·5	1	38·0	38·0	345

BOMBAY/SANTACRUZ

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	31	31·1	28·6	261
12·0	29	31·1	28·7	259
14·1	20	27·5	26·1	255
16·2	12	24·4	22·2	263
18·0	4	26·3	25·1	246
21·0	2	39·0	38·9	245

1130 hr.

Ht. in Km.	n	V	v	D
10·5	17	31·1	28·9	266
12·0	14	33·7	30·3	266
14·1	9	33·3	32·3	276
16·2	4	23·7	23·7	262
18·0	1	16·0	16·0	295

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	28	30·5	27·8	265
12·0	27	32·0	29·4	264
14·1	16	31·0	30·5	265
16·2	8	29·5	27·2	263
18·0	2	29·5	26·5	281

CALCUTTA/DUM DUM

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	26	39·5	37·7	262
12·0	24	38·9	37·1	253
14·1	21	30·2	29·3	258
16·2	16	25·4	24·4	264
18·0	7	20·0	18·8	267

1130 hr.

Ht. in Km.	n	V	v	D
10·5	1	26·0	26·0	295

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	26	38·3	35·5	257
12·0	23	40·1	38·9	257
14·1	19	36·6	35·5	260
16·2	16	31·8	30·7	265
18·0	7	20·6	19·4	261
21·0	2	9·0	8·0	232

COCHIN/WILLINGDON†

1730 hr.

Ht. in Km.	n	V	v	D
10·5	2	6·0	4·5	336

DIBRUGARH/MOHANBARI

1130 hr.

Ht. in Km.	n	V	v	D
10·5	4	43·0	42·0	268
12·0	3	61·6	59·0	265

GADAG

0530 hr.

Ht. in Km.	n	V	v	D
10·5	22	17·2	14·5	254
12·0	21	16·5	15·1	254
14·1	14	16·0	14·5	272
16·2	5	4·8	2·3	285
18·0	3	16·3	15·8	270
21.0	2	2·5	2·0	032

1730 hr.

Ht. in Km.	n	V	v	D
10·5	11	19·3	17·0	261
12·0	9	18·2	17·4	272
14·1	5	18·2	16·8	274
16·2	1	24·0	24·0	280
18·0	1	20·0	20·0	265
21·0	1	6·0	6 0	295

GANGTOK

1730 hr.

Ht. in Km.	n	V	v	D
10·5	1	47·0	47·0	286

GAUHATI

0530 hr. *

Ht. in Km.	n	V	v	D
10·5	18	45·6	43·3	261
12·0	9	34·3	32·5	258
14·1	4	34·0	33·3	259
16·2	1	21·0	21·0	249

1730 hr. *

Ht. in Km.	n	V	v	D
10·5	20	44·7	42·3	263
12·0	16	45·0	43·5	264
14·1	9	36·0	34·9	259
16·2	4	32.7	26·7	294
18·0	2	39·0	38·7	285

JAGDALPUR

0530 hr.

Ht. in Km.	n	V	v	D
10.5	1	23·0	23·0	270

1730 hr.

Ht. in Km.	n	V	v	D
10·5	2	28·5	27·2	290
12·0	1	35·0	35·0	295

JHARSUGUDA

1730 hr.

Ht. in Km.	n	V	v	D
10·5	1	45·0	45·0	305
12·0	1	42·0	42·0	294

JODHPUR

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	21	42·6	39·5	270
12·0	17	40·2	38·4	268
14·1	5	37·2	36·5	278
16·2	2	24·5	22·5	252

1130 hr.

Ht. in Km.	n	V	v	D
10·5	7	43·9	42·0	273
12·0	3	43·3	42·4	273

1730 hr. *

Ht. in Km.	n	V	v	D
10·5	23	40·6	39·1	271
12·0	18	44.9	43.7	265
14·1	4	46·3	38·5	271
16·2	2	31·0	30·9	267
18·0	1	9·0	9·0	095

LUCKNOW/AMAUSI

1730 hr.

Ht. in Km.	n	V	v	D
10·5	3	28·3	26·0	279
12·0	1	27·0	27·0	290

MADRAS/MINAMBAKKAM

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	31	12·1	9·8	243
12·0	31	11·5	9·5	245
14·1	29	10·1	8·2	258
16·2	23	6.5	4·2	265
18·0	19	5·4	3·0	282
21·0	9	7·0	6·7	266
24·0	4	6·3	4·8	325

1130 hr.

Ht. in Km.	n	V	v	D
10·5	15	13·4	11·1	212
12·0	12	12·6	9·4	239
14·1	4	10·0	7·3	236
16·2	2	4·5	2·5	187
18·0	1	5·0	5·0	170
21·0	1	7·0	7·0	330
24·0	1	23·0	23·0	265

TABLE V—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds above 9·0 Km. above mean sea level

March, 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

MADRAS/MINAMBAKKAM

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	31	13·2	10·0	245
12·0	31	11·2	9·4	248
14·1	30	10·8	8·9	260
16·2	25	7·2	5·6	257
18·0	20	6·1	2·0	272
21·0	11	5·6	3·8	273

MANGALORE/BAJPE

0530 hr.

Ht. in Km.	n	V	v	D
10·5	4	13·3	12·5	227
12.0	4	16·0	15·6	216
14·1	1	18·0	18·0	295

1730 hr.

Ht. in Km.	n	V	v	D
10·5	7	10·4	7·6	240
12·0	6	13·2	11·9	237
14.1	2	12·5	11·3	279

MINICOY

0530 hr.

Ht. in Km.	n	V	v	D
10·5	2	11·0	7·3	258

1130 hr.

Ht. in Km.	n	V	v	D
10·5	1	11·0	11·0	255

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	30	8·6	3·3	161
12·0	30	7·7	3·9	171
14·1	26	7·0	3·0	264
16·2	22	6·8	0·2	113
18·0	18	7·3	0·9	160
21·0	9	7·9	7·5	278
24·0	2	6·5	2·9	301

NAGPUR/SONEGAON

0530 hr. *

Ht. in Km.	n	V	v	D
10·5	27	25·8	23·7	268
12·0	27	23·7	22·5	266
14·1	4	26·3	26·0	267
16·2	1	12·0	12·0	265
18·0	1	5·0	5·0	290
21·0	1	4·0	4·0	300
24·0	1	3·0	3·0	340

1130 hr.

Ht. in Km.	n	V	v	D
10·5	9	35·9	33·9	266
12·0	5	38·6	37·0	266
14·1	1	26·0	26·0	289

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	27	27·8	25·9	264
12·0	27	27·8	26·1	265
14·1	5	28·6	28·4	271
16·2	2	21·5	21·3	195
18·0	1	18·0	18·0	130

NEW DELHI/SAFDARJUNG

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	30	43·8	41·5	272
12·0	30	43·3	41·3	272
14·1	29	31·9	31·1	269
16·2	25	20·0	19·4	268
18·0	20	11·0	8·3	265
21·0	17	5·9	3·5	053
24·0	5	3·8	2·5	045
27·0	2	10·0	9·9	283

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	31	39·0	36·0	276
12·0	31	43·2	41·6	271
14·1	29	34·6	34·0	270
16·2	23	22·7	21·4	270
18·0	19	11·8	6·1	286
21.0	10	6·4	5·1	075
24·0	4	7·5	3·9	233

POONA

1730 hr.

Ht. in Km.	n	V	v	D
10·5	6	24·7	23·1	277
12·0	2	30·0	29·1	310

PORTBLAIR

0530 hr*

Ht. in Km.	n	V	v	D
10.5	30	7·8	4·8	222
12.0	29	9·8	6·9	189
14·1	26	14·3	12·1	169
16·2	20	7·3	3·5	151
18·0	9	5·8	1·3	273
21·0	3	8·0	7·0	261
24·0	1	2·0	2·0	360

1130 hr.

Ht. in Km.	n	V	v	D
10·5	2	7·0	5·7	075
12·0	2	4·5	2·7	136
14·1	2	7·5	1·6	343
16·2	1	1·0	1·0	210
18·0	1	2·0	2·0	355

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	27	8.6	5·6	221
12·0	27	10·5	8·1	204
14·1	19	12·2	9·6	171
16·2	8	6·7	2·8	109
18·0	4	7·3	0·5	236
21·0	1	4·0	4·0	265

SRINAGAR

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	21	23·6	19·6	265
12·0	16	25·3	24·4	274
14·1	11	24·9	23·6	274
16·2	2	23·0	22·7	275

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	25	25·5	21·2	267
12.0	22	28·8	26·3	269
14·1	4	24·7	22·6	264
16·2	1	20·0	20·0	260

TIRUCHCHIRAPPALLI

0530 hr.

Ht. in Km.	n	V	v	D
10·5	2	8·5	7·6	185
12·0	1	21·0	21·0	160

1730 hr.

Ht. in Km.	n	V	v	D
10·5	4	10·3	7·9	196
12·0	1	15·0	15·0	145

TRIVANDRUM

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	31	9.6	4·5	161
12·0	31	7.2	3·6	171
14·1	30	8·8	1·3	280
16·2	28	5·4	2·1	030
18·0	14	6·3	2·4	042
21·0	6	8·5	8·1	254

1130 hr.

Ht. in Km.	n	V	v	D
10·5	6	15·3	12·5	205
12·0	5	12·8	6·9	168
14·1	5	13·2	3·0	246
16·2	5	5·4	1·6	090
18·0	5	8·4	7·8	099
21·0	3	9·3	7·1	109
24·0	1	17·0	17·0	270

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	30	9·8	5·9	172
12·0	30	7·7	4·6	164
14·1	27	7·6	1·6	232
16·2	19	6·4	2·0	189
18·0	11	7·7	1·6	048
21.0	6	12·0	8·9	250
24·0	2	10·0	9·5	260

UDAIPUR

0530 hr.

Ht. in Km.	n	V	v	D
10·5	6	25·3	22·3	280
12·0	1	22·0	22·0	285
14·1	1	47·0	47·0	255

1730 hr.

Ht. in Km.	n	V	v	D
10·5	2	31·0	30·0	281

VERAVAL

1730 hr.

Ht. in Km.	n	V	v	D
10·5	9	33·6	29·9	266
12·0	2	23·5	22·7	305

VIJAYAWADA/GANNAVARAM

0530 hr.

Ht. in Km.	n	V	v	D
10·5	8	23·6	21·0	253
12·0	4	19·3	19·1	271
14·1	1	15·0	15·0	260

1730 hr.

Ht. in Km.	n	V	v	D
10·5	7	22·1	20·3	260
12·0	4	21·0	19·5	250

VISHAKHAPATNAM

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	25	27·7	25·5	259
12·0	25	30·7	27·4	262
14·1	10	36·8	33·5	262
16·2	4	24·2	13·0	302
18·0	2	33·0	24·8	270
21·0	1	12·0	12·0	315

1130 hr.

Ht. in Km.	n	V	v	D
10·5	5	23·4	21·8	245
12·0	4	17·3	16·7	234
14·1	2	16·5	16·0	250
16·2	2	13·5	10·7	275
18·0	2	4·5	4·2	337
21·0	1	2·0	2·0	250
24·0	1	10·0	10·0	085

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	27	32·5	28·9	263
12·0	25	30·0	28·0	260
14·1	12	33·5	31·5	250
16·2	2	17·5	14·5	256
18·0	1	21·0	21·0	235

RADIOSONDE DATA

During the month, observations of upper air temperature, pressure and humidity were made at 15 stations in India as given in the list below. For detailed description of the instruments used, a reference may be made to the I. M. D. Scientific Notes Nos. 112 and 113 (Volume IX).

List of Radiosonde Stations in India

Serial No.	Name of Station	Type of instrument used	Date of starting	Hours of routine observations in GMT during the month	Remarks
1	Ahmadabad	Fan type	20th July 1961	00 and 12	
2	Allahabad/Bamhrauli	Clock type	1st October 1944	00 and 12	
3	Bangalore	Fan type	10th March 1961	00 and 12	
4	Bombay/Santa Cruz	Clock type	7th September 1954	00 and 12	
5	Calcutta/Dum Dum	Clock type	13th December 1946	00 and 12	Fan type used from 13-12-46 to 30-11-47.
6	Gauhati	Clock type	22nd July 1955	00 and 12	
7	Jodhpur	Clock type	17th April 1946	00 and 12	
8	Madras/Minambakkam	Fan type	29th June 1946	00 and 12	
9	Minicoy	Fan type	12th May 1963	12	
10	Nagpur/Sonegaon	Fan type	1st October 1946	00 and 12	
11	New Delhi/Safdarjung	Clock type	3rd December 1943	00 and 12	
12	Port Blair	Fan type	4th December 1949	00 and 12	
13	Srinagar	Clock type	1st August 1962	00 and 12	
14	Trivandrum	Fan type	1st July 1947	00 and 12	
15	Vishakhapatnam	Fan type	8th December 1946	00 and 12	

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(A) From Ascents at 00 Hours G.M.T.

March, 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

Standard Pressure Surface mb.	AHMEDABAD Surf. Pr. (1004 mb.)						ALLAHABAD/BAMHRAULI (999 mb.)						BANGALORE (911 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	31	055	293·0	300	286	282·8	31	098	289·6	298	285	282·7	31	921	292·0	295	289	287.9
1000	31	091	293.5	300	288	282.6	31	092	287.9	291	285	280·7	31	0114	..	..	..	..
900	31	1010	294·3	300	288	275·0	31	999	292·2	297	287	275·6	31	1023	292·5	295	291	286·7
850	31	1502	291·1	295	285	271·8	31	1487	288·9	294	283	272·2	31	1517	292·1	295	287	282·8
800	31	2018	287·6	294	284	269·4	31	1998	284·9	290	279	271·1	31	2035	289·3	293	285	279·3
700	31	3130	279.5	284	276	262·4	31	3102	277·0	281	272	263.6	31	3155	281·5	284	277	273·8
600	31	4374	271·1	275	268	..	31	4336	267·8	273	262	..	31	4415	275·2	279	272	264·9
500	31	5799	261·6	265	257	..	31	5742	258·5	262	254	..	31	5866	267·2	271	261	..
400	31	7475	250·4	255	244	..	31	7395	247·0	251	242	..	31	7581	256·1	261	251	..
300	31	9530	237·0	242	232	..	31	9428	234·7	241	227	..	31	9681	241·1	245	234	..
250	31	10775	229·5	233	225	..	31	10665	228·3	235	221	..	31	10977	231·8	237	227	..
200	31	12252	221·5	229	217	..	30	12135	221·8	228	214	..	31	12427	220·3	228	213	..
175	28	13096	216·6	227	211	..	27	12993	218·1	224	211	..	28	13287	215·0	223	208	..
150	27	14061	211·5	225	204	..	26	13979	214·1	219	208	..	28	14239	209·1	219	203	..
125	27	15180	206·4	217	200	..	25	15107	209·2	217	201	..	21	15349	204·3	209	196	..
100	25	16520	200·8	209	193	..	20	16458	204·8	212	197	..	21	16665	199·7	206	195	..
80	20	17839	200·5	209	195	..	10	17771	202·9	211	198	..	17	18012	200·9	209	193	..
70	18	18625	203·1	209	196	..	7	18605	206·4	213	201	..	17	18737	203·0	210	195	..
60	15	19584	206·3	214	197	..	..	..	..	..	..	..	15	19722	205·1	211	200	..
50	10	20698	211.5	219	207	..	..	..	..	..	..		14	20799	207·3	213	203	..
40	7	22064	214.9	219	211	..	..	..	..	..	..		7	22222	213·3	218	210	..
30	5	23870	217.8	221	216	..	..											
20																		
10																		

	BOMBAY/SANTACRUZ (1009 mb.)						CALCUTTA/DUM DUM (1010 mb.)						GAUHATI (1006 mb.)					
Surface	31	013	293·6	296	291	290·4	31	006	292·4	297	287	290·9	31	049	289·3	293	286	286·7
1000	31	091	295.5	299	293	290.4	31	095	293.0	297	289	290.0	31	100	290.3	295	286	285.7
900	31	1009	295·4	300	293	281·6	31	1008	293·3	299	289	279·4	31	1005	291·7	297	287	278·3
850	31	1508	292·8	297	287	277·3	31	1500	289·9	296	286	275·8	31	1490	288·3	294	284	275·5
800	31	2028	289·5	293	286	276·8	31	2014	285·9	294	282	273·4	31	2001	284·5	290	281	273·5
700	31	3150	281·4	284	277	272·1	31	3122	278·0	284	272	266·6	31	3101	276·5	280	270	265·5
600	31	4408	273·3	279	268	265·3	31	4363	270·7	275	263	..	30	4334	269·5	273	262	..
500	31	5857	265·5	270	258	..	31	5789	262·4	270	255	..	30	5752	261·1	265	255	..
400	31	7556	254·2	259	248	..	31	7475	252·3	257	246	..	30	7425	250·3	256	244	..
300	31	9642	240·4	246	234	..	31	9549	238·9	245	230	..	30	9481	238·2	244	225	.
250	31	10903	231·5	236	227	..	30	10806	231·6	238	225	..	30	10735	231·7	239	225	..
200	31	12380	220·8	225	214	..	30	12295	223·4	232	214	..	30	12229	224·8	235	217	.
175	28	13252	215·4	220	208	..	30	13163	218·7	228	210	..	27	13096	220·3	230	211	.
150	27	14200	210·1	215	203	..	29	14137	212·9	224	205	..	23	14098	216·3	225	206	.
125	27	15323	204·2	209	197	..	29	15262	207·5	217	199	..	19	15246	212·0	219	201	..
100	24	16625	200·6	209	193	..	29	16610	203·1	220	195	..	12	16635	208.3	214	203	..
80	16	17898	200·0	212	192	..	14	17908	201·8	210	196	..	7	17994	206.3	213	203	..
70	11	18734	201.7	209	194	..	9	18680	203.7	209	199	..						
60	9	19724	206·7	215	201	..	7	19634	206·7	217	201	..						
50	8	20853	211.5	219	202	..	7	20749	212·0	221	203	..						
40	6	22241	213·3	221	204	..	5	22155	215.4	224	211	..						
30																		
20																		
10																		

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(A) From Ascents at 00 Hours G.M.T.

March, 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

Standard Pressure Surface mb.	JODHPUR Surf. Pr. (985 mb.)						MADRAS/MINAMBAKKAM (1009 mb.)						NAGPUR/SONEGAON (975 mb.)					
	No of Obs.	Ht. 9pm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	30	218	291·2	298	287	279·1	31	015	296·9	300	294	295·2	31	311	292·8	298	286	282·3
1000	30	091	..	..	..	..	31	098	297·0	300	294	295·0	31	091	..	..	..	..
900	30	1000	292·9	301	285	275·6	31	1016	294·3	299	290	286·5	31	1006	295·6	301	291	281·5
850	30	1488	289·7	298	280	273·0	31	1511	292·4	296	288	279·9	31	1502	292·7	297	291	279·3
800	30	2000	285·6	292	277	268·4	31	2031	289·5	293	287	277·0	31	2021	288·5	295	286	277·6
700	30	3101	277·5	282	271	262·7	31	3153	282.5	292	279	271·6	31	3140	279·7	285	275	272·8
600	30	4339	268·5	273	264	..	31	4415	275·2	279	273	263·3	31	4389	271·0	275	269	..
500	30	5744	258·4	264	251	..	31	5869	267·6	272	263	..	31	5820	262·9	268	258	..
400	30	7402	247·3	254	241	..	31	7584	256·0	261	252	..	31	7505	252·7	266	247	..
300	29	9426	233·7	240	227	..	31	9686	241·1	249	235	..	31	9578	238·8	245	233	..
250	29	10657	227·9	232	221	..	31	10951	231·6	238	224	..	31	10833	230·3	237	221	..
200	29	12128	221·8	227	214	..	31	12434	220·7	225	201	..	31	12311	220·6	225	215	..
175	29	12987	218·2	225	209	..	29	13276	215·3	222	209	..	30	13169	215·3	219	211	..
150	29	13977	213·6	219	205	..	29	14251	208·8	214	203	..	29	14122	210·3	215	205	..
125	26	15092	209·2	220	199	..	28	15347	203·3	209	197	..	29	15228	205·3	209	198	..
100	23	16454	206·2	211	199	..	26	16675	198·5	206	191	..	26	16558	200·7	208	197	..
80	17	17781	204·1	209	197	..	22	17967	199·4	207	193	..	23	17882	200·8	207	195	..
70	15	18580	206·6	213	199	..	20	18764	202·3	212	196	..	20	18666	202·3	209	196	..
60	10	19583	210·7	216	202	..	17	19705	205·5	214	201	..	17	19584	206·3	214	201	..
50	8	20785	215·1	222	208	..	15	20808	210·5	223	202	..	13	20679	210·6	219	204	..
40							9	22232	213.3	226	205	..	5	22085	216·6	223	212	..
30							8	24023	217.3	226	209	..						
20																		
10																		

	NEW DELHI/SAFDARJUNG (986 mb.)						PORT BLAIR (1002 mb.)						SRINAGAR (843 mb.)					
Surface	31	209	288·6	297	282	281·6	31	079	296·3	299	293	294·8	27	1588	276·6	281	272	275·1
1000	31	091	..	..	..	..	30	093	296·4	299	294	294·8	27	177	..	..	..	..
900	31	994	291·4	298	284	273·2	30	1010	293·6	297	291	287·1	26	1049	..	..	..	..
850	31	1480	287·8	294	281	268·8	30	1502	291·0	293	288	283·0	27	1517	..	..	..	..
800	31	1990	284·2	291	278	266·0	30	2018	287·8	291	284	280·0	27	2009	275·0	280	271	272·8
700	31	3087	276·0	282	270	259·4	30	3137	282·3	286	279	273·0	27	3077	269·4	275	265	..
600	31	4315	267·1	275	262	..	30	4400	275·6	280	270	266·1	27	4284	262·3	268	256	..
500	31	5715	257·0	263	252	..	30	5855	267·6	272	263	..	26	5665	252·3	259	247	..
400	31	7355	244·3	251	238	..	30	7570	256·7	263	251	..	25	7268	241·1	248	233	..
300	31	9357	230·5	238	226	..	30	9673	241·4	247	234	..	22	9239	227·0	232	221	..
250	31	10573	225·3	234	219	..	29	10937	231·6	239	226	..	21	10435	220·6	227	215	..
200	31	12036	222·0	229	217	..	27	12412	219·9	227	215	..	19	11871	218.9	226	214	..
175	31	12900	219·5	228	214	..	25	13260	214·6	220	209	..	19	12732	220.6	226	215	..
150	31	13882	215·6	221	209	..	23	14223	208·7	214	205	..	18	13719	219.9	226	215	..
125	31	15021	211·3	217	205	..	19	15315	202·1	208	195	..	16	14882	218.4	225	213	..
100	31	16389	207·6	214	201	..	17	16625	197·1	205	189	..	13	16328	217.2	226	209	..
80	28	17754	206·7	213	199	..	8	17991	198·3	203	195	..	8	17726	216.6	222	208	..
70	24	18585	207·4	213	202	..	7	18710	198·7	203	195	..	6	18592	217.0	222	210	..
60	21	19520	210·2	217	205	..							5	19628	218.6	226	212	..
50	20	20645	214·2	221	209	..												
40	13	22081	218·3	225	213	..												
30	7	23991	222·6	229	217	..												
20																		
10																		

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(A) From Ascents at 00 Hours G.M.T.

March, 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

Standard Pressure Surface mb.	TRIVANDRUM Surf. Pr. (1003 mb.)						VISHAKHAPATNAM Surf. Pr. (1007 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	31	064	298·2	300	296	294·8	31	041	297·1	299	294	295·0
1000	31	091	298·0	300	297	294·6	31	101	297·3	299	295	293·2
900	31	1013	293·4	296	291	287·0	31	1023	295·0	298	289	281·1
850	31	1506	291·2	295	289	282·7	31	1517	292·2	295	287	279·5
800	31	2024	288·5	292	286	278·5	31	2035	288·6	292	285	277·2
700	31	3145	282·5	287	280	270·4	31	3153	280·1	283	276	272·4
600	31	4408	275·9	282	273	265·3	31	4405	273·0	277	269	262·5
500	31	5863	267·7	273	263	..	31	5848	265·6	268	262	..
400	31	7579	256·4	261	254	..	31	7551	254·3	259	249	..
300	31	9682	241.5	245	237	..	31	9638	240·3	244	237	..
250	31	10946	231·6	236	227	..	31	10899	231·5	236	228	..
200	31	12425	220·3	225	216	..	31	12383	221·0	227	217	..
175	30	13270	214·3	221	205	..	28	13231	216·0	223	210	..
150	30	14240	208·9	216	199	..	27	14201	210·4	217	206	..
125	29	15320	202·5	207	197	..	26	15293	204·6	211	201	..
100	25	16653	197·7	207	186	..	21	16616	199·0	204	195	..
80	18	17942	198·3	208	189	..	16	17929	199·4	206	194	..
70	18	18701	200·9	211	191	..	15	18722	201·2	205	197	..
60	12	19612	203·2	212	195	..	13	19655	205·0	211	201	..
50	11	20734	207·7	216	201	..	10	20747	209·1	216	204	..
40							5	22101	213.8	216	212	..
30												
20												
10												

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 hrs. G.M.T.

March, 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

Standard Pressure Surface mb.	Ahmadabad Surf. Pr. (1003 mb.) No. of Obs.	Ht. gpm.	Temperature °A Mean	Max.	Min.	Dew point	Allahabad/Bamhrauli (998 mb.) No. of Obs	Ht. gpm.	Temperature °A Mean	Max.	Min.	Dew point	Bangalore (909 mb.) No. of Obs.	Ht. gpm.	Temperature °A Mean	Max.	Min.	Dew point
Surface	31	055	307·7	311	304	283·0	31	098	303·8	309	295	284·3	31	921	303·6	306	299	285.0
1000	31	079	307.0	311	304	282·9	31	078	303.3	306	300	281·3	31	062	..	..	..	..
900	31	1018	298·5	308	292	275·6	31	1006	296·5	302	288	271·6	31	1007	302·4	305	298	284·1
850	31	1516	293·5	301	287	272·5	31	1501	292·1	298	286	268·5	31	1512	297·8	301	291	282·4
800	31	2035	289·0	295	283	270·2	31	2017	287·7	293	281	267·0	31	2039	292·8	297	291	280·8
700	31	3151	280·1	283	279	264·3	31	3127	279·2	283	275	258·8	31	3167	282·8	289	279	275·7
600	31	4399	271·5	275	265	256.2	31	4370	270·5	275	265	253·0	31	4426	275·7	283	271	266·6
500	31	5825	261·8	267	255	..	31	5790	260·2	266	255	..	31	5880	267·7	271	263	..
400	31	7507	251·0	257	246	..	31	7457	249·1	256	241	..	31	7598	256·9	261	253	..
300	30	9563	237·6	242	231	..	31	9503	236.5	245	228	..	31	9707	242·4	247	237	..
250	30	10815	230·2	237	223	..	30	10754	229·4	236	220	..	30	10978	233·0	240	228	..
200	30	12292	222·2	231	216	..	30	12236	223·5	228	218	..	30	12466	221·2	227	217	..
175	30	13153	217·6	224	211	..	27	13120	219·9	226	213	..	27	13329	216·1	221	212	..
150	29	14124	212·6	218	203	..	26	14105	216·0	224	209	..	27	14285	209·9	215	205	..
125	27	15250	207·6	214	198	..	19	15254	210·9	215	207	..	25	15401	204·9	211	199	..
100	24	16606	203·4	209	193	..	15	16644	207·3	213	202	..	25	16728	199·6	205	193	..
80	23	17928	201·8	209	194	..	12	17994	206·7	211	203	..	22	18085	201·0	207	197	..
70	17	18724	204·0	211	199	..	11	18795	206.7	210	203	..	21	18893	202·6	208	197	..
60	16	19681	208·1	213	199	..	9	19780	208·3	211	204	..	16	19836	206·5	213	199	..
50	12	20785	212·8	218	207	..	8	21004	213·0	218	205	..	14	20878	210·1	218	200	..
40	7	22181	217·1	227	211	..	6	22300	218·7	221	215	..	9	22333	215·1	223	211	..
30	6	23986	220·8	228	216	..												
20																		
10																		

Standard Pressure Surface mb.	Bombay/Santacruz Surf. Pr. (1008 mb). No. of Obs.	Ht. gpm.	Temperature °A Mean	Max.	Min.	Dew point	Calcutta/Dum Dum (1009 mb.) No. of Obs	Ht. gpm.	Temperature °A Mean	Max.	Min.	Dew point	Gauhati (1003 mb.) No. of Obs.	Ht. gpm.	Temperature °A Mean	Max.	Min.	Dew point
Surface	31	013	302·5	307	299	290·9	31	06	302·7	307	298	290·9	31	049	298·9	304	294	287·4
1000	31	085	301·8	306	298	290·4	31	081	302·7	307	295	289·9	31	076	298·9	304	295	287·4
900	31	1014	297·5	302	293	280·1	31	1013	296·4	301	291	282·4	31	995	293·3	298	289	279·6
850	31	1513	294·5	299	291	277·8	31	1509	292·2	297	287	279·0	31	1485	289·5	295	284	276·2
800	31	2035	290·7	295	288	276·2	31	2026	288·0	293	282	275·8	31	1998	285·5	293	280	271·6
700	31	3159	282·1	285	279	273·2	31	3142	280·5	285	276	265·0	31	3100	276·9	281	271	262·1
600	30	4417	274·3	277	271	264·1	31	4384	272·3	277	266	255·4	31	4338	270·0	275	264	252·1
500	30	5865	266·5	271	261	..	31	5830	264·3	271	258	..	31	5755	260·5	266	255	..
400	29	7574	254·7	259	249	..	30	7529	253·9	261	248	..	31	7424	249·3	255	242	..
300	29	9664	240·2	247	235	..	29	9615	240·4	248	235	..	31	9475	237·3	243	229	..
250	29	10929	231·1	238	223	..	29	10881	232·9	240	227	..	31	10725	230·7	237	218	..
200	29	12403	221·0	226	216	..	29	12377	224·1	234	217	..	31	12190	223·6	233	211	..
175	25	13268	215·3	221	209	..	29	13245	219·0	229	210	..	27	13097	219·4	228	207	..
150	22	14219	209·6	216	204	..	29	14225	214·0	222	207	..	27	14073	215·3	225	205	..
125	21	15323	204·6	211	198	..	29	15359	208·4	215	201	..	21	15207	209·3	214	200	..
100	17	16640	202·8	212	194	..	28	16697	204·4	212	197	..	16	16574	205·0	211	196	..
80	12	17909	203·2	215	197	..	22	18090	202·1	209	195	..	11	17926	203·8	207	199	..
70	8	18755	205·9	215	198	..	18	18824	203·7	209	197	..	7	18713	205·6	209	202	..
60	6	19733	211.3	218	207	..	15	19760	206·4	213	199	..						
50	5	20931	216·8	225	211	..	13	20849	212·1	219	201	..						
40	5	22363	221.8	231	217	..												
30																		
20																		
10																		

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 Hours G.M.T.

March, 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

Standard pressure surface mb.	JODHPUR Surf. Pr. (984 mb.)						MADRAS/MINAMBAKKAM (1008 mb.)						MINICOY (1010 mb.)					
	No of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	31	218	304.0	309	297	281.9	31	015	301.4	304	291	294.9	31	002	301.3	302	300	295.3
1000	31	075	..	..	..	..	31	085	301.3	303	291	293.7	30	093	300.5	301	299	294.6
900	31	1007	297.1	302	291	275.7	31	1013	296.9	300	293	281.4	30	1017	293.4	297	291	287.1
850	31	1501	292.3	297	286	271.9	31	1511	294.3	297	289	277.8	30	1509	291.4	294	288	281.4
800	31	2017	287.8	293	281	271.1	31	2033	290.9	294	288	275.8	30	2026	288.8	293	287	276.6
700	31	3130	278.6	284	271	263.7	31	3160	282.1	287	279	270.8	30	3146	282.0	285	279	269.7
600	30	4368	269.8	274	263	..	31	4428	276.3	280	267	263.2	30	4405	275.0	277	271	261.7
500	30	5784	260.4	266	254	..	31	5886	268.8	272	264	..	30	5851	266.3	269	261	..
400	30	7443	249.1	256	241	..	31	7608	257.4	261	253	..	30	7555	255.3	258	251	..
300	29	9484	235.5	245	229	..	31	9720	243.0	247	237	..	30	9642	240.0	243	231	..
250	29	10727	229.6	238	223	..	31	10995	233.7	240	228	..	30	10898	230.5	234	226	..
200	29	12217	224.0	231	214	..	31	12489	222.4	228	217	..	30	12368	219.3	223	214	..
175	28	13091	220.8	228	211	..	30	13364	215.9	220	199	..	28	13205	213.8	221	209	..
150	28	14075	217.4	224	207	..	30	14309	209.9	214	203	..	27	14163	207.9	219	202	..
125	25	15234	213.2	220	203	..	28	15407	204.5	209	197	..	25	15233	201.3	207	195	..
100	22	16615	208·9	217	198	..	24	16736	199.1	212	194	..	22	16563	196.7	202	193	..
80	19	17983	208.8	221	198	..	20	18055	198.6	205	194	..	20	17853	197.1	203	190	..
70	16	18732	211.4	218	204	..	18	18859	202.2	212	196	..	18	18647	199.9	208	191	..
60	12	19715	214.9	224	208	..	14	19749	203.8	208	201	..	12	19544	201.5	208	195	..
50	9	20917	217.8	222	212	..	12	20845	208.0	214	201	..	12	20625	203.6	210	196	..
40	..	..	..	..	..	..	7	22222	211.8	216	205	..	6	21973	207.2	212	199	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

	NAGPUR/SONEGAON Surf. Pr. (973 mb.)						NEW DELHI/SAFDARJUNG (985 mb.)						PORT BLAIR (1001 mb.)					
Surface	31	311	306.7	311	300	282.0	31	209	300.0	305	295	282·2	31	079	300.9	303	299	295.5
1000	31	063	..	..	..	..	31	077	..	..	..	..	31	087	300·8	303	299	295·1
900	31	1006	299.9	304	295	282.9	31	997	294.2	301	290	274.5	31	1010	294.1	297	291	288.8
850	31	1507	295.3	298	292	280.6	31	1488	290.2	298	285	270.4	31	1502	291.3	295	288	283.5
800	31	2030	290.5	295	287	278.3	31	2000	285.9	293	281	268.2	31	2020	288.3	291	284	280.7
700	31	3152	280.7	285	277	273.9	31	3102	276.9	282	272	261.0	31	3140	282.6	287	279	272.7
600	31	4404	271.6	278	269	264.8	31	4333	267.7	272	263	..	30	4403	275.6	280	271	266·7
500	31	5838	263.9	271	260	..	31	5737	257.8	264	252	..	30	5858	267.4	273	261	..
400	31	7530	252.8	257	249	..	31	7384	245.5	253	240	..	29	7576	256.5	261	251	..
300	31	9606	239.0	247	231	..	31	9403	232.2	239	224	..	28	9682	241.7	245	235	..
250	31	10864	231.1	237	225	..	31	10626	226.0	235	218	..	28	10949	231.7	236	227	..
200	31	12341	221.6	228	217	..	31	12092	222.5	230	215	..	28	12427	220.0	223	216	..
175	27	13216	216.9	225	211	..	31	12958	220.0	227	213	..	23	13268	213.7	220	209	..
150	27	14179	211.6	219	205	..	28	13942	216.6	224	208	..	17	14226	207.1	213	204	..
125	24	15283	206.0	213	199	..	26	15085	212.8	219	203	..	12	15335	201.3	205	194	..
100	23	16622	201.7	207	196	..	23	16475	210.0	219	203	..	11	16641	195.2	202	190	..
80	22	17953	201.4	209	197	..	20	17832	208.3	213	203	..	8	17929	195.7	200	190	..
70	20	18750	202.3	210	197	..	19	18657	209.1	217	205	..	..	..	..	..	..	..
60	15	19693	204.7	210	199	..	16	19616	210.8	215	207	..	..	..	..	..	..	..
50	12	20778	207.7	212	201	..	13	20783	214.4	220	209	..	..	..	..	..	..	..
40	9	22203	211.3	215	207	..	6	22238	219.0	221	212	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(B) From Ascents at 12 Hours G.M.T.

March, 1965 (Phalguna 10, 1886 Saka—Chaitra 10, 1887 Saka)

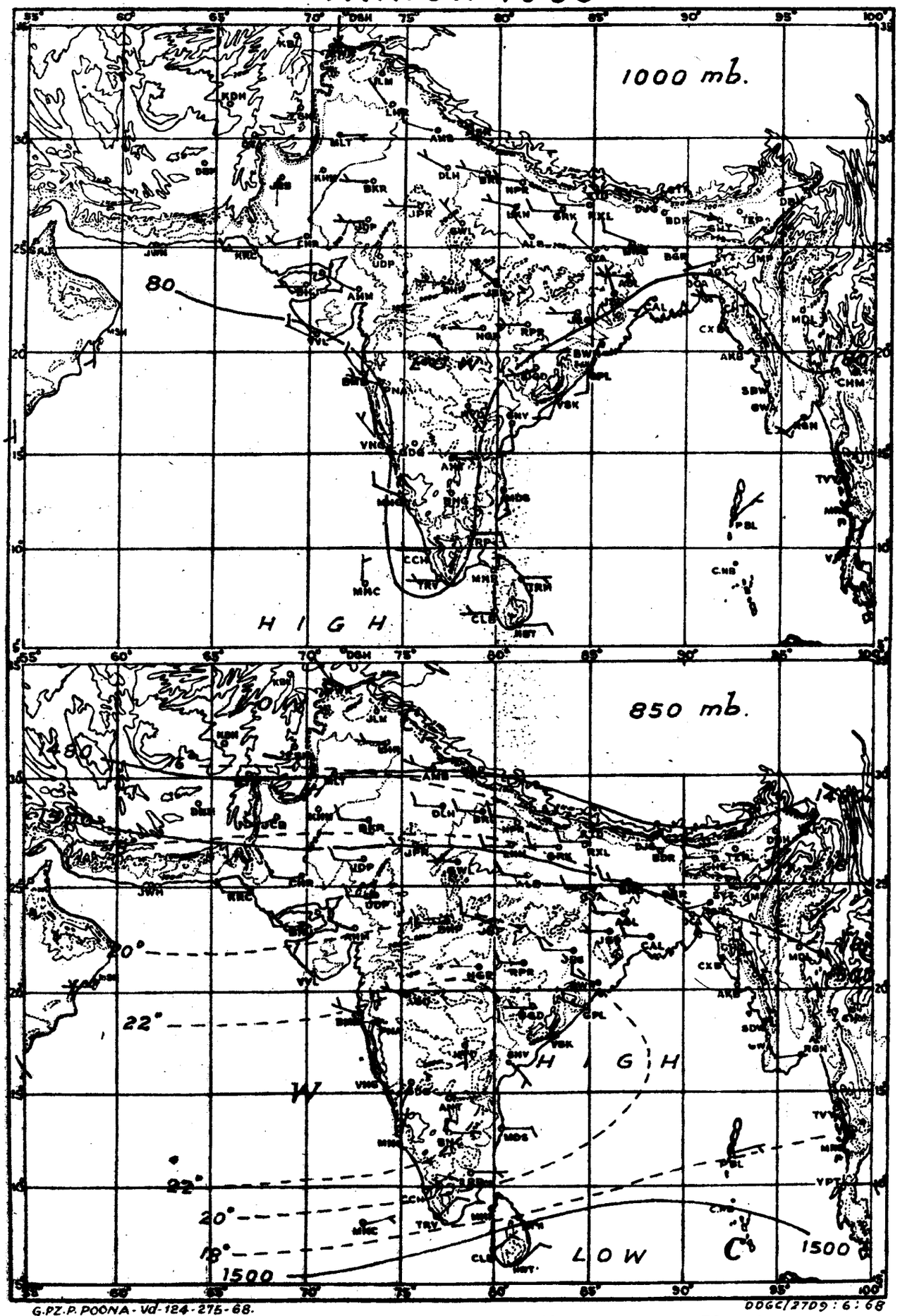
Standard Pressure Surface mb.	SRINAGAR Surf. Pr. (841 mb.)						TRIVANDRUM (1002 mb.)						VISHAKHAPATNAM (1005 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	27	1588	284·4	289	279	277·7	31	064	303.1	304	301	295.9	31	041	301·5	303	299	295.0
1000	27	110	..	..	..	..	31	078	302.8	304	301	295.8	31	088	300.8	302	299	293.9
900	27	1016	..	..	..	..	31	1008	295.1	297	291	289.5	31	1015	296.4	299	292	282.0
850	27	1499	..	..	..	..	31	1503	291.9	295	289	286.6	31	1511	293.6	297	290	279.9
800	27	2003	279·4	285	274	272·9	31	2023	288.9	294	287	282.7	31	2032	289.9	293	287	278.9
700	27	3083	271·8	277	268	263·7	31	3147	283.3	287	279	273.2	31	3152	281.1	283	278	274.6
600	27	4295	263·3	269	260	..	31	4414	276.5	281	273	265.1	31	4409	274.3	277	271	265.6
500	27	5677	254·0	258	250	..	31	5872	268.9	273	265	..	31	5859	266.5	271	263	..
400	26	7302	242·1	246	236	..	31	7596	257.6	263	253	..	30	7569	255.4	260	251	..
300	26	9283	227·5	233	220	..	31	9708	242.2	248	239	..	30	9667	241.6	245	238	..
250	25	10473	220·5	229	211	..	31	10977	233.1	240	227	..	28	10934	233.2	237	230	..
200	25	11908	219·8	230	210	..	31	12466	221.5	228	217	..	28	12425	222.2	227	218	..
175	22	12781	221·3	229	215	..	30	13316	215.3	222	210	..	27	13281	216.9	221	214	..
150	20	13777	220·3	230	213	..	29	14290	208.8	215	204	..	27	14250	210.6	215	206	..
125	17	14963	218·8	227	211	..	27	15374	203.5	211	198	..	24	15347	204.9	208	199	..
100	14	16317	216·7	225	207	..	20	16704	198.7	205	192	..	22	16682	199.3	205	194	..
80	11	17778	216·5	226	210	..	13	17986	200.0	205	195	..	21	17988	198.3	207	191	..
70	9	18620	216·5	228	210	..	11	18732	203.5	210	197	..	17	18759	199.6	209	192	..
60	8	19568	216·5	222	208	..	10	19704	206.3	212	200	..	14	19674	203.6	213	197	..
50	8	20731	218.6	224	209	..	9	20807	208.6	215	202	..	10	20761	207.6	214	204	..
40	5	22357	219.2	225	216	..	6	22199	212.5	217	206							
30																		
20																		
10																		

Note: Number of observations refer to those of dynamic height. Means are not worked out for temperature and dew point for the 1,000 mb. surface and for dew point for standard pressure surfaces with temperature less than 273°A. Means are not worked out for less than five observations at standard pressure surfaces.

[PN—S1—6 D.D.G. Obs. P/68– 20-3-69—260

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I.Met.D. **MARCH 1965** Plate I



G.P.Z.P. POONA - Vd-124-275-68. DDGC/2709 : 6 : 68

RESULTANT WIND — 5 Knots, — 10 Knots, — 50 Knots.

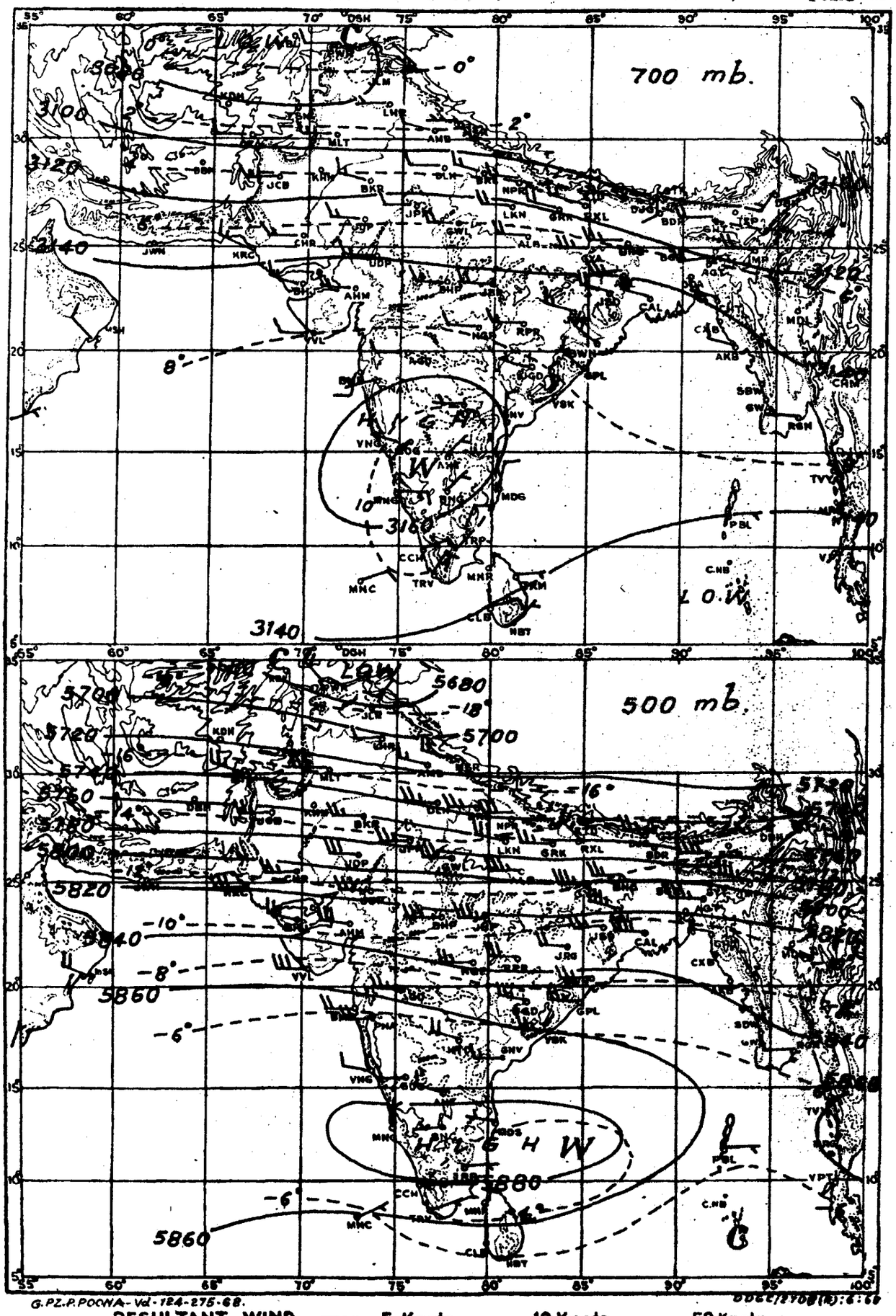
--------- Isotherms in degrees centigrade ——— Contours in geopotential metres.

G.P.Z.P. POONA, 1968.

MONTHLY MEAN CONSTANT PRESSURE CHARTS

MARCH 1965

I. Met. D. *Plate II*



G.PZ.P.POONA-Vol-124-275-68.

RESULTANT WIND —— 5 Knots, —— 10 Knots, —— 50 Knots.

---------- Isotherms in degrees centigrade ———— Contours in geopotential metres.

G.P.Z.P. POONA, 1968.

Errata to Monthly Weather Report for the quarter April to June 1965.

Page	Item/Station	Hour	Column	For	Read
APRIL 1965 - Surface data					
Table I - Division					
186	7. Jammu and Kashmir	-	2	50.7	-50.7
186	7. Jammu and Kashmir	-	3	Blank	48
Sub-division					
186	2. North Assam (including NEFA)	-	2	613.3	163.3
Table II					
187	Golaghat	-	11	186.4 (i)	(b) 186.4 (c)
187	Kailashahar	-	18	3.7	3.7
187	Burdwan	-	10	..	0
187	Barrackpore (Aerodrome)	-	13	0.0	30.0
187	Foot note	-	-	(d) Mean of 27 days	(d) Mean or total for 27 days
187	-do-	-	-	(i) Mean of 19 days	(l) Mean of 19 days.
188	Hazaribagh	-	10	Not clear	11.4 (b)
188	Motihari	-	11	4.1 (b)	4.1
188	Forbesganj	-	11	14.4	14.4
188	Jamui	-	13	2.2	2.0
189	Mansiary	-	22 to 29	Zeros	Dashes
190	Dras	-	16	+8.0	-8.0
190	Bhilwara	-	16	-0.5	-
190	Kota	-	1	Kota Aerodrome	Kota
190	Kota	-	16	--	-0.5
190	Kota Aerodrome	-	1	Kota	Kota Aerodrome
190	Banswara	-	25	0	1
190	Sheopur	-	12	+2.6	+0.6
190	Nowgong	-	12	-16.3	+16.3
191	Jabalpur	-	12	-7.9	+7.9
191	Baroda	-	12	-4.6	-4.4
191	Porbander Aerodrome	-	22	Blank	0
191	Veraval	-	4	7.8	37.8
191	Veraval	-	5	8	18
192	Dahanu	-	7	-0.2	+0.2
192	Bombay	-	20(a)	1	0
192	Alibag	-	10	0	-
192	Vengurla	-	10	0	1.0
192	Panjim	-	10	1.0	0
192	Sholapur	-	10	0	-
192	Sholapur	-	17	..	9.8
192	Miraj	-	15	1	4
192	Miraj	-	17	9.8	..
192	Kolhapur	-	3	-0.6	+0.6
192	Ongole	-	1	Ongole (R)	Ongole
192	Foot note	-	-	(c) Mean of 28 days	(c) Mean or total for 28 days

...2

Page	Item/Station	Hour	Column	For	Read
Table II (Contd.)					
193	Hakimpet (Aerodrome)	-	16	--	0
193	Gulbarga	-	18	19.2	10.2
193	Raichur	-	12	+40.1	+49.1
193	Agumbe	-	11,13,15	2.0,1.6,0	20.0,16.0,30
194	Dharampur	-	16	+4.4	+4.3
194	Lokpal	-	4	2.4	-2.4
194	Tilaiya	-	9	Blank	4
194	Foot note	-	-	(c) Mean of 28 days.	(c) Mean or tot for 28 day
194	Foot note	-	-	(b) Mean of 29 days.	(b) Mean or tot for 29 day
195	Bhimkund	-	9	4	14
195	Bagra Tawa	-	22	2	0
195	Bagra Tawa	-	23	0	2
195	Nuwakot	-	5	12	22
195	Chautara	-	5	28,3	28,30
195	Foot note	-	-	Blank	(b) Mean of 29 days.
Table III					
196	Kondul	1730	8	5.6	25.6
196	Pasighat	0830	11	71	74
196	Dibrugarh (Mohanbari)	0230	11	89	88
196	Digboi	0830	1	Digbol	Digboi
196	Gohpur	0830	3	,,	83
196	Gohpur	0830	8	20.8	20.9
196	Majbat	0830	3	,,	--
196	Majbat	1730	3	,,	--
196	Jorhat (Aerodrome)	0530	1	Jorat (Aerodrome)	Jorhat (Aerodr
196	-do-	0830	5	999.9	999.7
196	-do-	1730	12	Blank	--
196	Tangla	0830	4	1000.5	1009.5
196	Tezpur	0830	1	Tazpur	Tezpur
196	Golaghat	0830	13	4.3 (b)	4.3 (d)
196	Golaghat	1730	13	3.5 (a)	3.5 (a)
196	Rangia	1730	13	2.9	2.6 (b)
196	Chaparmukh	0830	13	4.0	4.0 (b)
196	Chaparmukh	0830	15	3.9	3.9
197	Gauhati (Bhorjor)	1430	17	1	0
197	Dhubri (Rupsi)	0830	17	0	1
198	Cooch Behar	1130	15	0.3	10.3
198	Balurghat	0830	1	aurghat	Balurghat
198	Shanti Niketan	1130	13	1.7	1.6
198	Calcutta (Dum Dum)	1130	11	5.1	54
198	Calcutta (Dum Dum)	2030	10	11.1	31.1
198	Calcutta (Dum Dum)	2330	10	0.5	30.5
198	Calcutta	0830	10	7.9	27.9
199	Phulbani	1730	14	-1.0	..

age	Item/Station	Hour	Column	For	Read
able II (Contd.)					
99	Cuttack	0830	14	--	-1.0
99	Bhubaneswar	0830	10	23.9	28.9
99	Daltonganj	0830	6	-1.9	+1.9
99	Dhanbad	1730	15	1.1	1.0
99	Ranchi	0830	18	15	16
01	Heading	-	1	Division and station	Sub-division and station
01	Heading	-	16	62 to more	62 or more
01	Allahabad (Bamhrauli)	1130	5	997.3	997.8
01	Allahabad (Bamhrauli)	1430	10	10.8	11.1
01	Allahabad (Bamhrauli)	2330	28	1	0
01	Varanasi (Babatpur)	0530	28	0	1
01	Mukhim	0830	3	76	..
01	Mukhim	1730	3	,,	..
01	Tehri	1130	9	8.7	8.6
01	Dehra Dun	0830	27	13	15
02	Bareilly (P.B.O)	0530	10	3.7	13.7
02	Mainpuri	1730	5	987.1	987.9
02	Pathankot	1130	27	9	3
02	Bhuntar	0830	5	893.2	893.3
02	Ludhiana	0830	10	6.9	16.9
02	Ludhiana	1730	10	8.7	18.7
02	Ferozepur	0830	9	4.6	14.6
03	Ambala (Aerodrome)	1730	9	12.8	11.8
03	Palam (Aerodrome)	1130	27	6	0
03	Palam (Aerodrome)	1430 and 2030	3 to 28	Dashes	Blank
03	Foot note	-	-	Blank	+ Data not available.
05	Sikar	0830	22	0	5
05	Alwar	0830	13	5.8	3.8
05	Jaipur (Sanganer)	1730	5	992.8	962.8
05	Udaipur	2330	10	10.1	14.1
05	Banswara	0830	15	0.8	3.8
05	Gwalior	0830	4	2009.5	1009.5
05	Gwalior	1730	19	0	5
05	Shivpuri	1730	27	0	9
06	Ratlam	0830	21	1	8
06	Jabalpur	0830	24	Blank	1
06	Jabalpur	1430	2	1330	1430
07	Sub-division and Station	-	1	Gujarat Region	Gujarat Region (including Daman, Dadra and Nagar Haveli)
07	Broach	1730	28	Blank	0
08	Sub-Division and station	-	-	Gujarat Region (Contd.)	Gujarat Region (including Daman, Dadra and Nagar Haveli) (Contd.)
08	Bhuj (Rudramata	1130	4	1010.8	1010.9
08	Bhuj (Rudramata)	1130	22	0	1
08	Keshod	0830	4	1010.1	1010.9
08	Mahuva	0830	4	1007.2	1010.1
08	Mahuva	1730	4	1010.1	1007.2
09	Sub-division and station	-	1	Konkan	Konkan (including Goa)
09	Bombay (Santacruz)	0230	3	15	14
09	Vengurla	0230	3	39	9

Page	Item/Station	Hour	Column	For	Read
Table III (Contd.)					
209	Vengurla	2330	4	1000.7	1009.7
209	Panjim	0530	4	1003.5	1008.5
209	Panjim	2330	17	0	1
209	Ozar*	0830	13	2.1	(h) 2.1
209	Ozar*	0830	15	12.4	(h) 12.4
209	Ozar*	1130	2	1130	‡1130
209	Ozar*	1730	2	1730	‡1730
209	Foot note	-	-	(h) Observations for 23 days.	(h) Mean of 23
211	Akola (Aerodrome)	0530	10	15.4	13.4
211	Akola (Aerodrome)	1730	2	2030	1730
211	Vishakhapatnam	0230	2	2030	0230
211	Vishakhapatnam	0530	2	2330	0530
211	Gannavaram	1130	24	0	7
212	Hyderabad (Begampet)	2330	15	6.6	6.9
212	Vellore	0830	23	7	5
213	Sub-division and station	-	1	Madras State (Contd.)	Madras State (including Pondcherry) (Contd.
213	Coimbatore	0830	15	15.8	14.8
213	Tiruchirapalli	0230	15	6.2	6.7
213	Atirampattinam	0830	7	28.4	28.9
213	Karwar	0830	12	-4	+4
213	Karwar	0830	14	+0.7	-0.7
214	Bangalore	0830	6	-0.4	+0.4
215	Trivandrum	2330	25	0	1
215	Amini	0530	1	Amini ‡	Amini
215	Minicoy	0530	1	Minicoy ‡	Minicoy
215	Minicoy	0830	20	Blank	1
215	Dharmsala	0830	14	+1.9	+1.8
215	Lokpal	0830	8	-11.	-11.6
215	Mukteswar (Kumaon)	0830	6	-0.2	+0.1
215	Kalimpong	0830	4	1484.4	1481.4
215	Shillong	1730	24	1	7
215	Foote note	-	-	‡ Data given as addenda in December 1965 issue	Delete
216	Kodaikanal	0830	21	0	3
216	Katmandu	1130	21	3	1
216	Konar	1730	23	1	0
216	Hirakud	1130	7	23.8	33.8
217	Dadeldhura	0830	18	Not clear	30
217	Walung Chung Gola	0830	1	Walungchang Gola	Walung Chung Go
217	Taplejung	0830	25,28	Blank	0,0
217	Barahakshetra	0830	1	Barahakshetrat	Barahakshetra
217	Barahakshetra	0830	4	1008.0	1008.6
217	Gezing	1730	9	1 4	13.4

TABLES IV TO VI UPPER AIR DATA

Page	Station	Hour	Item	Level	Wrong print	Correct print
221	Ambala	0530	V	4.5	13.0	13.6
222	Bahraich	1130	V	2.1	2.4	12.4
223	Bhagalpur	1730	D	4.5	30	301
224	Bhuj/Rudramata	1730	V	6.0	16.5	16.6
224	Calcutta/Dum Dum	1730	v	5.4	3.1	13.1
226	Gaya	1730	Time	-	2330	1730
226	Gaya	2330	Time	-	0530	2330
228	Jagdalpur	2330	v	0.9	3.2	3.6
229	Lucknow/Amausi	0530	v	3.6	12.2	15.2
229	Madras	1130	D	7.2	292	068
230	Madras	1730	V	5.4	6.4	7.4
230	Bangalore	2330	v	3.0	3.5	8.5
230	Minicoy	0530	v	2.1	0.0	5.0
230	Minicoy	0530	D	5.4	094	098
231	Poona	1730	V	0.15 a.g	1.5	4.5
232	Raipur	0530	n	0.15 a.g	0	30
232	Raipur	0530	n	9.0	2	12
232	Raipur	2330	D	2.1	27	247
232	Tiruchirapalli	0530	D	4.5	09	079
232	Trivandrum	0530	D	4.5	07	077
235	Ahmadabad	0530	n	18.0	11	1
235	Dibrugarh	1130	v	10.5	0.0	30.0
235	Gadag	0530	v	12.0	9.5	9.4
235	Jodhpur	0530	v	12.0	38.0	38.6
236	Madras	0530	V	10.5	11.0	11.3
236	Madras	0530	v	12.0	11.9	11.0
236	Port Blair	0530	D	18.0	254	096
236	Port Blair	1130	D	12.0	171	271
236	Srinagar	0530	D	14.1	289	259
236	Trivandrum	1730	v	21.0	9.1	9.7
236	Trivandrum	1130	Rawin mark	-	1130* hrs.	1130 hrs.
236	Vishakhapatnam	1130	Rawin mark	-	1130*	1130
238	Ahmadabad	0530	Std.Press.	400 mb.	40	400
239	Srinagar	0530	Mean Temp.	800 mb.	78.8	278.8
241	Gauhati	1730	-do-	700 mb.	4	274
242	Madras	1730	-do-	900 mb.	299	293
243	Vishakhapatnam	1730	Ht. gpm	100 mb.	16	16667
242	Minicoy	1730	Max. Temp.	Surface	301	305
				1000 mb.	299	304
				900 mb.	291	297
				850 mb.	289	295
				800 mb.	285	291
				700 mb.	281	285
				600 mb.	273	280
				500 mb.	264	271
				400 mb.	246	261
				300 mb.	237	246
				250 mb.	225	237
				200 mb.	219	225
				175 mb.	213	219

Page	Station/Item	Hour	Column	For	Read
MAY 1965 - Surface Data					
Table I - Division					
248	1 Assam (including NEFA, Nagaland, Manipur and Tripura)	-	4	+1.4	+0.4
Sub-Division					
248	22 Marathwada	-	1	20 Marathawada	22 Marathwada
Table II					
Heading					
249		-	-	Jaistha	Jyaistha
249		-	20(a)	Precipitation 0.1	20(a) Precipitati (0.1 and 0.2 mm.)
249	Nancowry	-	2	39.4	30.4
249	Sub-Division and Station	-	1	Assam(including North NEFA)	North Assam (incl NEFA)
249	Sibsagar	-	7	-0.8	+0.8
249	Majbat	-	11	350.7	250.7
249	Lumding	-	16	-4.1	-4.7
249	Haflong	-	12	+29.6	+26.9
249	Baghdogra	-	4	34.	34.7
249	Berhampore	-	13	21.	21.0
249	Footnote	-	-	(b) Mean of 8 days	(c) Mean of 28 da
250	Balasore	-	3	-0.6	+0.6
250	Hazaribagh	-	23	0	5
250	Ranchi Aerodrome	-	28	0	1
250	Jamshedpur	-	28	1	0
250	Muzaffarpur	-	20(b)	-	0
250	Bahraich	-	22	Blank	0
250	Nautanwa	-	21,24,26 to 29	..,..,...	Read zeros
250	Lucknow	-	8	21.8	21.6
250	Lucknow (Amausi)	-	28	5	0
251	Mainpuri	-	18	4.8	4.0
251	Adampur (Aerodrome)	-	28	Blank	0
251	Chandigarh	-	9	Not clear	23
251	Hissar	-	3	1.3	-1.3
251	New Delhi/Safdarjung	-	7,28	2.6, 0	-2.6, 8
251	Srinagar	-	12	+88.0	+88.4
251	Bikaner	-	12,18	-13.0.10.0	-13.6, 10.9
251	Barmer	-	13	1.0	7.0
252	Chambal (Rawat Bhatta Dam)	-	24	3	0
252	Sub-division and station	-	1	Madhya Pradesh	Madhya Pradesh(We
252	Nowgong	-	12	9.2	-9.2
252	Rajgarh	-	11	2.0	0
252	Sagar	-	11	0	2.0
252	Ratlam	-	11	1.0	0
252	Bhopal(Bairagarh)	-	11	6.6	1.0

Page	Item/Station	Hour	Column	For	Read
Table II (contd.)					
252	Ujjain	-	11	0	6.6
252	Narsinghpur	-	11	8.2	0
252	Hoshangabad	-	11	0.5	8.2
252	Indore	-	11,17	0,22.0	0.5,22.5
252	Rajpur (Jhabua)	-	11,15	11.6,Blank	0,0
252	Chhindwara	-	11	10.6	11.6
252	Seoni	-	11	1.2	10.6
252	Betul	-	11	0	1.2
252	Jabalpur	-	12	-13.3	-3.3
252	Jagdalpur	-	6	not clear	23.8
252	Vallabha Vidyanagar	-	4	15.0	45.5
252	Baroda	-	5,16	6,-0.	16, -0.1
253	Dwarka	-	11	-	0
253	Alibag	-	10	0	-
253	Jalgaon	-	19	-	+0.5
253	Malegaon	-	19	+0.5	-1.1
253	Ozar	-	19	-1.1	-
253	Ahmadnagar	-	19	-	-1.9
253	Poona (Aerodrome)	-	19	-1.9	-
253	Baramati	-	7	+1.2	-1.2
253	Aurangabad	-	5	15	17
253	Akola	-	3	+0.7	-0.7
253	Yeotmal	-	3	-0.4	-0.8
253	Chanda	-	4	45.	45.0
253	Sironcha	-	8	not clear	22.9
254	Kalingapatam	-	3	+0.2	-0.2
254	Kakinada	-	19	-1.9	-1.3
254	Kurnool	-	10	-	3.4
254	Arogyavaram	-	9	26	21
254	Madras	-	11	2.0	0
254	Madras (Minambakkam)	-	11	2.0	0
254	Trmbaram (Aerodrome)	-	15	8	0
254	Footnote	-	-	Blank	(e) Mean of 26 days
255	Belgaum (Samre)	-	20(a),20(b)	5, 0	0, 4
255	Gadag	-	10,16	34.4,1.1	24.4, -1.1
255	Shimoga	-	14,15	VBlank	21, 1
255	Agumbe	-	11,13,14	4.0,..,Blank	70.0,56.0,21
255	Agumbe	-	15	Blank	2
255	Agumbe	-	20(a),20(b)	2,2	0,4
255	Agumbe	-	24	5	0
255	Balehonnur	-	16, 24	-0., 5	0, 0
255	Bangalore (Aerodrome)	-	28	0	2
255	Mysore	-	12	+33.4	-33.4
255	Cochin (Naval Air Station)	-	13,28	109.1,0	209.1, 3
255	Punalur	-	14	55	25
255	Trivandrum	-	4,17	33.2, 15.4	32.2, 15.1
255	Amini	-	2	-	32.3
			3	-	-0.6
			4	-	33.9
			5	-	5
			6	-	26.4
			7	-	-0.9
			8	-	23.2
			9	-	30
			10	-	70.4
			11	-	91.8
			12	-	-21.2
			13	-	22.9
			14	-	30

Page	Item/Station	Hour	Column	For	Read
Table II (contd.)					
255	Amini (contd.)	-	15	-	6
			16	-	+1.2
			17	-	18.4
			18	-	19.0
			19	-	+6.8
			20(a)	-	1
			20(b)	-	7
			21	-	0
			22	-	0
			23	-	5
			24	-	0
			25	-	0
			26	-	0
			27	-	0
			28	-	0
			29	-	0
255	Minicoy	-	2	-	31.1
			3	-	-0.2
			4	-	32.8
			5	-	17
			6	-	25.1
			7	-	-1.1
			8	-	22.7
			9	-	26
			10	-	142.7
			11	-	270.4
			12	-	+92.6
			13	-	80.2
			14	-	21
			15	-	9
			16	-	+0.3
			17	-	12.3
			18	-	10.1
			19	-	-2.0
			20(a)	-	1
			20(b)	-	17
			21	-	0
			22	-	0
			23	-	10
			24	-	0
			25	-	0
			26	-	0
			27	-	0
			28	-	0
			29	-	0
255	Lokpal	-	11	54.4	53.4
255	Darjeeling	-	11	154.6	154.0
255	Shillong	-	10	101.8	106.8
255	Mahabaleshwar	-	9	25	24
255	Lachen	-	21 to 29	.....	zeros
255	Bokaro	-	11,17,20(a)	36,6, 9.8,Blank	36.0,9.5, 1
256	Durgapur	-	24,25	8, 0	0, 3
256	Thikri	-	21,22,24 to 29	*	read zeros
			29		

Page	Item/Station	Hour	Column	For	Read
Table III					
257	Majbat	1730	28	1	0
257	Jorhat (Aerodrome)	0830	4	006.8	1006.8
257	Jorhat (Aerodrome)	1130	28	0	1
257	Rangia	1730	19	0	1
257	Chaparmukh	0830	19,28	-,-	0,0
257	Chaparmukh	1730	18,28	2,-	24,0
258	Agartala	0830	28	Blank	0
259	Shanti Niketan	0830	21	2	1
259	Sandheads	2330	15,17	Not clear	23.5,17
260	Bhubaneswar	1130	10	24.	24.7
260	Gopalpur	2330	28	Blank	0
260	Koraput	0830	12	-	0
261	Motihari	0830	10	26.0	26.9
261	Lucknow	0830	12	-3	+3
262	Gorakhpur	0830	2	1830	0830
262	Gorakhpur (P.B.O.)	0230	2	2030	0230
263	Ferozepur	1730	28	Blank	0
265	Srinagar (Aerodrome)	1130	13	3.6	5.6
265	Barmer	0530	28	1	0
265	Munabao	0830	5	966.2(m)	996.2(m)
266	Heading	-	5	At station	At station level
267	Ratlam	0830	23	0	1
267	Indore	0530	19	not clear	1
267	Seoni	0830	12	1	-1
267	Jabalpur	2330	15	1.	1.6
267	Ambikapur	1730	18	8	28
269	Bhaunagar Aerodrome	0830	6	Blank	0
269	Mahuva	0830	1	Mahuvea	Mahuva
269	Dahanu	0830	7	26.8	28.6
269	Dahanu	1730	20	1	0
272	Akola (Aerodrome)	1730	5	966.5	966.0
272	Yeotmal	1730	7	39.5	39.0
272	Sironcha	1730	4	998.6	999.6
272	Nellore	0830	6	-.2	-0.2
272	Nellore	1730	5	995.5	999.5
273	Anantapur	1730	5	962.7	962.8
274	Salem	1130	15	7.0	7.6
274	Coimbatore (Pilamedu)	0830	2	8330	0830
275	Belgaum (Samra)	1730	4	100.3	1003.0
275	Belgaum (Samra)	2030	9,23	18.4,5	18.9, 0
275	Gadag	0530	15	11.2	12.2
275	Gadag	1430	4	1005.3	1001.9
275	Gadag	1730	4	1005.8	1000.9
275	Gadag	2030	17	1	11
275	Bellary	0830	4,17,21	1006.8,11,1	1006.9,2,3
275	Bellary	1730	4,13,15, 17,21	1004.6,5.6, 6.8, 2, 3	1000.1, 5.7, 6.7, 1, 0
275	Chitradurga	0830	4,17	1007.8, 1	1007.4, 0
275	Chitradurga	1730	4,5,21	1008.8,223.8,0	1001.0, 923.8, 5
275	Shimoga	0830	4	1009.9	1008.3
275	Shimoga	1730	4	1006.6	1002.4
275	Bangalore	0830	14	-	+0.4
275	Bangalore	1130	14	+0.4	..
275	Bangalore	1430	22,23,26, 28	1,0,10,0	2,2,8,1
275	Bangalore	1730	18	29	27

Page	Item/Station	Hour	Column	For	Read
Table III (contd.)					
275	Bangalore (Aerodrome)	0830	4,8	1493.3,21.4	1493.8,21.2
275	Bangalore (Aerodrome)	1130	8	21.7	21.4
275	Bangalore (Aerodrome)	1730	4	1481.9	1471.9
275	Bangalore (Aerodrome)	2330	4,8,26	1479.4,25.9,6	1489.4,20.7,
275	Mysore	0830	7,8	24.5,21.2	24.0,20.9
275	Mysore	1730	8	24.3	21.2
275	Calicut	0530	6,7,8,14,22	-0.1,25.2,25.5, -0.3,3	..,25.6,24.3, 0
275	Calicut	0830	6,8,12,14	.., 25.4, ..,..,	-0.1,25.5,0,
275	Fort Cochin	1730	5	1006.0	1006.1
276	Trivandrum	1730	15	11.4	11.7
276	Trivandrum	2330	13	2.8	5.8
276	Amini	1130	5	009.3	1009.3
276	Minicoy	1730	4	1008.5	1007.5
277	Mahabaleshwar	1730	5	860.8	860.3
277	Ootacamund (R)	0830	3	2239	2249
277	Tilaiya	0830	9	13.5	13.0
277	Hirakud	1130	20	9	3
277	Thikri	0830	7 to 11 and 13	.....	32.1,19.4,8. 26, 1.2
278	Barahakshetra	0830	5	988.3	998.3

TABLES IV TO VI UPPER AIR DATA

Page	Station	Hour	Item	Level	Wrong print	Correct p
281	Agartala	D	3.0	2330		
281	Agartala	2330	D	3.0	186	286
282	Ambala	1730	V	Surface	2.0	2.7
		1730	v	Surface	1.3	1.5
		1730	V	0.15 a.g.	6.9	5.6
		1730	V	0.3 msl	3.3	3.8
		1730	v	0.3 msl	1.7	2.0
		1730	V	0.6	7.3	5.5
		1730	v	0.6	2.9	3.8
		1730	V	0.9	7.3	5.8
		1730	v	0.9	2.5	4.3
		1730	V	1.5	7.1	6.6
		1730	v	1.5	1.4	4.5
		1730	V	2.1	6.8	6.7
		1730	v	2.1	1.4	4.5
		1730	V	3.0	6.0	7.4
		1730	v	3.0	3.3	6.0
		1730	V	3.6	3.3	8.0
		1730	v	3.6	0.3	6.4
282	Amini	0530	v	2.1	3.8	3.3
282	Anantapur	0530	V	3.0	4.9	6.9
282	Asansol	0530	V	0.3	5.4	5.3
283	Bahraich	1130	v	5.4	11.0	11.5
283	Bahraich	1130	v	6.0	10.9	11.0
283	Bahraich	1130	v	7.2	6.0	10.9
284	Begumpet	0530	v	7.2	3.0	3.3
285	Bhuj	2330	V	0.9	9.2	9.3
286	Calcutta	1730	v	0.9	8.6	3.6

ge	Station	Hour	Item	Level	Wrong print	Correct print
bles IV to VI Upper Air Data (contd.)						
8	Gopalpur	1730	V	0.9	5.1	4.1
8	Gopalpur	1730	v	1.5	2.9	0.9
8	Gopalpur	1730	n	2.1	29	28
8	Gopalpur	1730	v	3.6	1.7	7.7
8	Gwalior	1130	v	Surface	4.1	2.1
9	Jabalpur	0530	D	3.6	374	274
9	Jabalpur	1730	V	0.6	5.3	5.5
1	Madras	2330	D	Surface	161	171
1	Madras	2330	D	1.5	287	317
3	Raxaul	0530	V	6.0	13.3	13.0
3	Tiruchirapalli	1730	v	3.0	5.6	5.2
4	Trivandrum	1130	D	7.2	109	190
4	Vengurla	2330	v	0.15 ag	8.4	3.4
5	Vishakhapatnam	2330	v	4.5	0.2	3.2
6	Agartala	1730	n	12.0	5	4
7	Jodhpur	0530	Time of ascent (Rawin mark * mark)	-	0530	0530*
7	Lucknow	0530	V	14.1	15.5	18.5
7	Mangalore	1730	Height	10.5	11.5	10.5
7	Minicoy	1130	V	14.1	7.0	17.0
7	Minicoy	1130	v	14.1	7.0	17.0
7	New Delhi	0530	D	27.0	355	335
7	Port Blair	0530	D	14.1	262	096
9	Ahmadabad	00 GMT	Mean	125 mb	205.4	205.3
2	Ahmadabad	12 "	Td	900 "	295.6	279.6
2	Ahmadabad	12 "	Td	850 "	276.7	276.6
2	Allahabad	12 "	Td	600 "	264.4	264.8
2	Bangalore	12 "	Mean Temp.	50 "	213	203
3	Madras	12 "	Ht. gpm	150 "	11313	14313
3	Nagpur	12 "	Ht. gpm	125 "	13439	15429
3	New Delhi	12 "	Ht. gpm	125 "	1538	15378
4	Srinagar	12 "	n	150 "	19	16
4	Srinagar	12 "	n	125 "	1	13
4	Srinagar	12 "	n	100 "	91	11
4	Srinagar	12 "	n	80 "	0	10

Page	Item/Station	Hour	Column	For	Read
JUNE 1965 - Surface data					
Table I					
Division					
307	8 Rajasthan	-	4	40.8	40.4
Sub-division					
307	3 South Assam (including Nagaland, Manipur and Tripura)	-	2	-165.7	-165.7
307	7 Bihar Plateau	-	8	0.1	-0.1
307	8 Bihar Plains	-	5	-0.1	+0.1
307	10 Uttar Pradesh, West	-	5	-0.5	+0.5
307	20 Konkan (including Goa)	-	2	607.7	607.0
307	24 Coastal Andhra Pradesh	-	2	+51.4	-51.4
307	27 Madras State (including Pondicherry)	-	1	Madras State	Madras State (including Pondic
307	31 Kerala	-	6	81	89
Table II					
308	Port Blair	-	24	5	0
308	North Lakhimpur	-	24	9	0
308	Gohpur	-	18	-(f)	4.2(f)
308	Tura	-	14	7	2
308	Haflong	-	17	7.9	8.9
308	Kailashahar	-	11	69.1	769.1
309	Sambalpur	-	12	-43.3	-143.3
309	Chandbali	-	20(a)	1	0
309	Daltonganj	-	19	+4.0	+1.0
309	Dhanbad	-	18	7.6	7.6(i)
310	Lucknow	-	4	53.0	43.8
310	Lucknow	-	19	+0.4	-0.4
310	Kanpur (Aerodrome)	-	27,28	8, 0	0, 8
310	Najibabad	-	1	Najibabad	Najibabad (F
310	Agra	-	18	5.9	4.9
311	Dras	-	20(a) to 29	-	Read zeros
311	Sonamarg	-	11	0.2	0
311	Leh	-	2,17,18	22.2,not clear, not clear	22.2(p),5.0,
311	Gulmarg	-	19	+8.2	+0.8
311	Ganganagar	-	6	37.9	27.9
311	Mahajan	-	17,18	16.2,17.2	16.2(k),17.2
311	Mahajan	-	20(a), 26 to 29	0	-
311	Churu	-	17,18	25.4(k),19.8(m)	25.4, 19.8
311	Jodhpur	-	5	25,17,21	15,17,21
311	Jaipur(Sanganer)	-	11	19.2	19.7
311	Kota	-	1	Kota(Aerodrome)	Kota
311	Kota	-	7,16,19	-,-,-	+0.8,-2.1,+4
311	Kota (Aerodrome)	-	1	Kota	Kota (Aerodr
311	Kota (Aerodrome)	-	5,7,16,19	2,+0.8,-2.1,+4.3	2,3;-;-;-
311	Chambal (Rawat Bhatta Dam)	-	11	65.1	65.2

ge	Item/Station	Hour	Column	For	Read
1	Sheopur	-	6	28.2	28.9
1	Shivpuri	-	6	26.2	26.6
1	Rajgarh	-	17	22.1	19.0
1	Sagar	-	17	19.0	19.4
1	Ratlam	-	7,17	-,19.4	0, 21.7
1	Bhopal (Bairagarh)	-	17	21.7	24.2
1	Ujjain	-	17	24.2	26.4
1	Narsinghpur	-	17	26.4	13.0
2	Rajpur (Jhabua)	-	9	23	2,3
2	Khandwa	-	2	85.5	38.5
2	Jabalpur	-	5,12	1,5; +16.4	15; -16.4
2	Pendra	-	5,28	15,0	1,5 ; 2
2	Mandla	-	19	+0.3	-0.3
2	Raigarh	-	19	-0.5	+0.5
2	Idar	-	19	-1.6	..
2	Ahmadabad	-	13,19	16.0; +3.6	16.9; -1.6
2	Dohad	-	19	..	+3.6
2	Vallabh Vidyanagar	-	19	-4.1	..
2	Baroda Aerodrome	-	19	-4.1	..
2	Baroda	-	19	-8.1	-4.1
2	Broach	-	19	..	-8.1
2	Mandvi	-	9	12	1,2
2	Surendranagar	-	18	20.1	20.7
2	Bombay	-	17,18	13.0.,12.2	13.0(b), 12.2(b)
2	Alibag	-	11,12	32.1; +167.1	432.1; -167.1
2	Bhira	-	5	23	2,3
3	Ahmadnagar	-	12	-11.2	-110.2
3	Miraj	-	4	77.6	37.6
3	Akola (Aerodrome)	-	5	3	2,3
3	Yeotmal	-	26,27	1,0	0,1
3	Kalingapattam	-	27	1	0
3	Rentachintala	-	5	3	1,3
3	Ongole	-	9	24	14
3	Bhadrachalam	-	23	0	5
	Footnote	-	-	(d) Mean of 27 days	(d) Mean or total for 27 days
3	Footnote	-	-	(e) Mean of 26 days	(e) Mean or total for 26 days
3	Footnote	-	-	-	(b) Mean of 29 days
4	Hyderabad (Begampet)	-	28	2	12
4	Anantapur	-	19 20(a)	-1.3	+1.3
4	Vellore	-	16	+0.9	-0.9
4	Vellore	-	18	2.8	12.8
4	Agumbe	-	11	327.6	1896.0
4	Agumbe	-	13	52.2	254.0
4	Agumbe	-	14	25	17
4	Agumbe	-	15	18	26
4	Agumbe	-	20(b)	20	29
4	Balehonnur	-	4	32.6	32.0
5	Dharmpur	-	20(a),20(b)	0,0	-,-
5	Mussoorie	-	19	+0.0	0
5	Shillong	-	17	4.5(a)	4.5(b)
5	Cherrapunji	-	1	Cherrapunji	Cherrapunji (R)
5	Tilaiya	-	20(a)	1	0
5	Hazaribagh	-	20(a)	0	1
5	Bokaro	-	4	34.1	44.1

Page	Item/Station	Hour	Column	For	Read
Table II (contd.)					
316	Ramgarh	-	17	7.1	9.1
316	Durgapur	-	11	157.2	147.2
316	Ginabahar	-	15	1	10
316	Hirakud	-	10	24.7	27.4
316	Khijrawan	-	18	2.5	12.5
316	Punasa *	-	20(a)to 29	0,4,all zeros	-
316	Thikri	-	20(b)to 29	0 and all dashes	4, all ze
316	Butwal	-	14	68	28
316	Taplejung	-	16	-4.6	-
316	Okhaldhunga	-	14	29	19
316	Chainpur	-	11	442.3	442.8
316	Footnote	-	-	(b) Mean of 21 days (g) Total for 23 days	(i) Mean days (h)Total days
Table III					
317	Car Nicobar	0830	5	1000.8	1008.6
317	Nancowry	1730	19	1	0
317	Dibrugarh(Mohanbari)	2030	10	31.5	30.5
317	Chaparmukh	1730	13,15	5.1(c),4.1	5.1(b),4.
317	Footnote	-	-	(e) Mean of 19 days	(i) Mean days
318	Gauhati (Bhorjor)	0230	8	4.8	24.8
318	Dhubri (Rupsi)	0530	3	46	45
319	Suri	0830	18	3	30
319	Barrackpore (Aerodrome)	1130	5	998.0	998.8
319	Calcutta (Dum Dum)	1430	4	898.9	996.9
320	Jharsuguda	0530	7	29.3	28.3
320	Jharsuguda	0830	7	31.3	31.1
320	Angul	1730	5	991.4	981.4
320	Chandbali	0830	11	not clear	74
322	Lucknow (Amausi)	0230	9	16.5	16.6
322	Gorakhpur P.B.O.	2330	9	2.3	22.3
323	Footnote	-	-	Blank	(R) - not recei
324	Patiala	1730	7	4.0	40.0
324	Karnal	0830	19	Blank	0
325	Srinagar	2330	2	2030	2330
325	Qazigund	1730	15	1.6	2.6
325	Banihal	1730	15	6.6	6.5
325	Jammu (Aerodrome)	0830	26	0	1
325	Ganganagar	0830	5	968.3	978.3
325	Phalodi	0830	22	8	0
325	Jodhpur	1730	15	19.9	18.9
326	Munabao	0830	13	1.2	1.2(b)
326	Munabao	1730	16	6	0
326	Pilani	0830	23	1	0
326	Pilani	1730	22	0	1
326	Kota (Aerodrome)	1730	3	257	"
326	Gwalior	0230	19	1	0
327	Sheopur	1730	4,5	995.5,970.9	995.8,970
327	Guna	0830	15	19.3	19.6
327	Guna	1130	2,15	not clear,19.7	1130, 19.
327	Guna	1730	15	14.1	19.7

ge	Item/Station	Hour	Column	For	Read
ble III (contd.)					
27	Sagar	0830	9,27	18.4,0	17.4,1
27	Bhopal(Bairagarh)	0830	14	..	0
27	Ujjain	1730	15	24.4	24.0
27	Indore	2330	7	20.5	29.5
27	Rajpur (Jhabua)	0830	5	972.2	972.4
27	Chhindwara	1730	21	0	6
27	Betul	0830	4	1002.2	1003.2
28	Sidhi	0830	3	272	272*
28	Jashpurnagar	0830	3	779	779*
28	Pendra	0530	3	..	625
28	Raipur	0830	12	-	-2
28	Vallabh Vidyanagar	0830	5	1004.6	999.7
28	Vallabh Vidyanagar	1730	5	999.9	995.1
28	Footnote	-	-	Blank	Height calculated provisionally
29	Baroda (Aerodrome)	1130	2	not clear	1130
29	Baroda	0530	1	Blank	Baroda
29	Baroda	0830	14	-	-0.4
29	Baroda	1730	14	-0.4	-
29	Broach	0830	10	13.3	31.3
29	Broach	1730	5	990.0	999.0
29	Surat	0530	17	1	0
29	Surat	0830	13	4.5	5.4
29	Surat	0830	17	1	0
29	Surat	1130	17	2	0
29	Surat	2330	24	39	30
29	Nalia	0830	13	1.9	3.9
29	Bhuj (Rudramata)	0230	3	20	80
29	Bhuj (Rudramata)	0530	4	100.9	1001.9
29	Bhuj (Rudramata)	0830	8	26.6	26.5
29	Bhuj (Rudramata)	2030	25	1	13
29	Kandla Aerodrome	1730	5	999.8	996.8
29	New Kandla	0830	28	1	0
29	Mandvi	0830	6	+0.8	+1.8
29	Surendranagar	0830	6	+2	+2.0
29	Surendranagar	0830	12	-	0
29	Surendranagar	1730	20	5	0
29	Jamnagar (Aerodrome)	1730	7	32.1	32.7
29	Jamnagar (Aerodrome)	1730	12	+5	-
29	Dwarka	0830	4	1002.1	1004.1
29	Dwarka	0830	8	29.9	26.9
29	Dwarka	1730	5	1001.1	1001.0
29	Dwarka	1730	13	4.5	4.1
29	Dwarka	1730	15	24.1	26.4
29	Dwarka	1730	17	11	29
29	Dwarka	1730	18	11	1
29	Rajkot	0830	12	+2	-2
29	Rajkot	1730	3	11	..
29	Bhaunagar Aerodrome	0830	3	"	11
29	Bhaunagar Aerodrome	1730	16	0	2
29	Porbander Aerodrome	0830	6	+	+2.3
29	Porbander Aerodrome	0830	14	-1.1	-1.7
29	Keshod	1730	5	996.1	996.9
30	Mahuva	1730	27	3	0
30	Veraval	0530	19	8	0
30	Veraval	0830	14	+1.0	-1.0
30	Bombay (Santacruz)	2330	16	3	0

Page	Item/Station	Hour	Column	For	Read
Table III (Contd.)					
330	Bombay	1730	27	1	0
330	Bhira	0830	21	1	0
330	Vengurla	1730	27	11	4
330	Dabolim (Naval Air Stn.)	0530	1	Dabolim	Dabolim (Na Air Statio
330	Dabolim (Naval Air Stn.)	0830	15	17.7	17.8
330	Nandurbar	0830	26	8	0
330	Ozar	0830	2	8030	0830
331	Ozar	..	13	4.1	4.9
331	Ozar	..	15	24.9	24.9 (c)
331	Poona	1430	25	24	28
331	Baramati	0830	27	6	0
331	Sholapur	1730	17	1	7
331	Aurangabad (Chikalthan)	1430	24	0	3
331	Aurangabad (Chikalthan)	1430	25	3	24
331	Aurangabad (Chikalthan)	1430	26	24	1
331	Aurangabad (Chikalthan)	2330	25	23	27
331	Foot note	2330	-	Blank	(c) Mean o
332	Pusad	0830	15	19.6	15.6
332	Gannavaram	0830	19	6	0
332	Gannavaram	1430	28	0	3
333	Heading	-	3	Height of barometer cistern above mean sea level in metres	Station el in metres.
333	Ongole	0830	21	Blank	0
333	Nellore	0830	12	Not clear	+6
333	Ramagundam	1730	28	0	3
333	Hakimpet Aerodrome	0530	17	2	21
333	Hyderabad (Begampet)	0330	27	Blank	0
333	Madras	1730	5	10 2.3	1002.3
334	Tambaram (Aerodrome)	1730	14	1	..
334	Cuddalore	1130	13	4.3	4.7
334	Coimbatore (Pilamedu)	2330	13	Not clear	4.5
334	Nagapattinam	0830	6	+1.6	+1.7
334	Tiruchchirapalli	2030	9	18	18.8
334	Madurai (Aerodrome)	1130	24	Blank	2
334	Madurai (Aerodrome)	1730	22	Blank	1
334	Pamban	0830	9	24.2	24.7
334	Karwar	1730	5	660.8	1006.8
334	Karwar	1730	7	27.7	27.6
334	Karwar	1730	15	11	11.7
334	Karwar	1730	16	Blank	0
334	Karwar	1730	17	10	6
334	Karwar	1730	26	Blank	4
335	Gulbarga	0830	24	8	0
335	Gulbarga	1730	24	4	8
335	Chitradurga	0830	3	773	733
335	Shimoga	0830	7	22.9	23.9
335	Bangalore Aerodrome	0530	10	2 .6	21.6
335	Bangalore Aerodrome	1730	15	Not clear	20.7
336	Sub-division and Station	-	1	Not clear	Mysore
336	Sub-division and Station	-	1	Not clear	Kerala
336	Calicut	2330	27	1	9
336	Alleppey	0830	6	+0.2	+2.0
336	Punalur	0830	3	64	34

Page	Item/Station	Hour	Column	For	Read
Table III (Contd.)					
336	Punalur	0830	6	-1	-
336	Trivandrum	0230	2	2030	0230
336	Trivandrum	0230	3	2030	64
336	Trivandrum	0830	15	61	6.1
336	Trivandrum Aerodrome	0830	1	Trivandrum	Trivandrum Aerodrome.
336	Sub-division and Station	-	1	Blank	Arabian Sea Islands.
336	Amini	0530	1	Aminit	Amini
336	Amini	1130	5	1009.1	1009.6
336	Amini	1730	5	2007.6	1007.6
336	Amini	2330	26	Blank	1
336	Agathi	0830	15	27.2	26.2
336	Agathi	1730	26	Blank	0
336	Minicoy	0530	24	1	0
336	Minicoy	0530	27	0	1
336	Minicoy	1730	5	1010.8	1009.3
336	Minicoy	2330	10	28.5	28.8
336	Minicoy	2330	28	Blank	0
336	Sub-division and station	-	2	Hill stations excluding Kashmir 2330	Hill stations excluding Kashmir.
336	Simla	1730	20	Blank	2
336	Sub-division and station	0830	1	Not clear	Lokpal
337	Mukteswar (Kumaon)	0830	1	Mukteswar	Mukteswar (Kumaon)
337	Nainital	1730	9	10.7	10.2
337	Panchet Hills	0830	1	Panchet Hills*	Panchet Hills
337	Foot note	-	-	† Wind direction for 23 days.	† Wind direction for 24 days.
338	Hirakud	0830	1	Hirakund	Hirakud
338	Hirakud	0830	4	1010.5	1000.5
338	Punasa	0830	1	Punasa (R)	Punasa ††
338	Punasa	1730	1	(R) 1730	1730
338	Jomosom	0830	8,9,10,11	15.8(c),13.6(c),15.6(c), 73(c)	15.8,13.6,15,6,73
338	Timure	0830	1	Timure**	Timure
338	Timure	1730	2	1730	**1730
338	Salyana	0830	7	-	26.6
338	Salyana	0830	8	-	19.6
338	Salyana	0830	9	-	14.9
338	Salyana	0830	10	-	17.7
338	Salyana	0830	11	-	55
338	Salyana	1730	7	-	27.1
338	Salyana	1730	8	-	19.2
338	Salyana	1730	9	-	13.7
338	Salyana	1730	10	-	16.8
338	Salyana	1730	11	-	49
338	Butwal	0830	7	26.6	31.3
338	Butwal	0830	8	19.6	24.6
338	Butwal	0830	9	14.9	21.1
338	Butwal	0830	10	17.7	25.5
338	Butwal	0830	11	55	58

Page	Item/Station	Hour	Column	For	Read
Table III (Contd.)					
338	Butwal	1730	7	27.1	35.1
338	Butwal	1730	8	19.2	25.7
338	Butwal	1730	9	13.7	20.8
338	Butwal	1730	10	16.8	25.3
338	Butwal	1730	11	49	48
338	Katmandu	0830	2,3	Blank	0830,1324
338	Katmandu	1130	2	Blank	1130
338	Katmandu	1730	2	Blank	1730
338	Chautara	0830	7	31.3	21.8
338	Chautara	0830	8	24.6	13.0
338	Chautara	0830	9	21.1	17.4
338	Chautara	0830	10	25.5	20.1
338	Chautara	0830	11	58	78
338	Chautara	1730	7	35.1	24.8
338	Chautara	1730	8	25.7	19.6
338	Chautara	1730	9	20.8	16.7
338	Chautara	1730	10	25.3	19.4
338	Chautara	1730	11	48	65
338	Foot note	-	-	Blank	†† Data not available.

Tables IV to VI - Upper Air Data

Page No.	Station	Item	Level	Hour	Wrong entry	Correct en
342	Ahmadabad	V	5.4	2330	3.0	3.5
345	Begumpet	n	2.1	1730	25	29
346	Bhuj	v	0.6	2330	10.4	10.1
347	Dibrugarh	v	0.9	0530	9	0.9
347	Dibrugarh	Time	-	2330	1730	2330
348	Gadag	n	3.6	1730	26	20
348	Gadag	v	0.15 a.g.	2330	11.5	11.3
348	Gangtok	V	5.4	0830	4.2	9.2
348	Gaya	n	2.1	0530	24	25
350	Imphal	D	3.0	2330	662	262
350	Jamshedpur	v	0.6	0530	7.2	7.7
351	Jharsuguda	v	0.6	0530	7.2	7.6
351	Jharsuguda	V	0.6	2330	8.7	8.8
351	Jodhpur	V	3.6	1130	4.3	4.7
351	Lucknow	v	1.5	0530	10.3	10.7
351	Lucknow	n	0.9	1730	25	29
352	Madras	D	Surface	1730	292	192
352	Madras	D	0.15 a.g.	1730	296	196
352	Madras	D	Surface	2330	108	208
352	Madras	D	0.15 a.g.	2330	119	219
353	Nagpur	n	3.6	1730	35	30

Page No.	Station	Item	Level	Hour	Wrong entry	Correct entry
Tables IV to VI - Upper Air Data (Contd.)						
353	Port Blair	n	0.9	0530	29	28
354	Srinagar	D	Surface	1730	49	149
354	Tiruchchirapalli	V	0.15 a.g.	0530	10.4	10.5
		v	0.15 a.g.	0530	10.5	10.4
356	Vijayawada	D	0.6	0530	286	283
357	Bhopal	D	12.0	1730	100	110
357	Bombay	D	21.0	1730	088	080
357	Gangtok	D	16.2	0830	305	035
357	Jodhpur	D	10.5	1130	262	266
357	Madras	V	10.5	0530	18.8	11.8
358	Srinagar	Ht.in. Km.	16.2	1730	10.5	16.2
358	Trivandrum	D	24.0	0530	10	105
360	Allahabad	Ht.gpm	1000 mb.	00 GMT	030	-030
360	Allahabad	Means	80 mb.	00 GMT	199.6	1999.8
360	Bangalore	Maximum	100 mb.	00 GMT	205	206
360	Calcutta	Minimum	175 mb.	00 GMT	206	214
360	Calcutta	Mean	Ht.75	00 GMT	220.0	220.4
360	Gauhati	Ht. gpm	850 mb.	00 GMT	1425	1421
360	Gauhati	Ht. gpm	600 mb.	00 GMT	4849	4349
360	Gauhati	Ht. gpm	400 mb.	00 GMT	8568	7568
361	Jodhpur	Ht. gpm	850 mb.	00 GMT	1487	1437
361	Madras	Ht. gpm	400 mb.	00 GMT	7589	7579
361	Nagpur	Ht. gpm	150 mb.	00 GMT	14355	14345
362	Vishakhapatnam	Td	600 mb.	00 GMT	275.9	273.9
363	Bombay	Mean	200 mb.	12 GMT	24.7	224.7
365	Srinagar	Ht. gpm	500 mb.	12 GMT	5884	5834
365	Trivandrum	Ht. gpm.	50 mb.	12 GMT	218.0	216.0

Registered No. MH-75

INDIA WEATHER REVIEW, 1965

Monthly Weather Report

APRIL

Published by authority of the Government of India

Chief features :—

(i) Movement of five western disturbances across north India, causing good precipitation in north west India;

(ii) Fairly good thundershower activity over northeast India and the central parts of the country;

(iii) A spell of unusually heavy thunderstorm activity in the Peninsula leading to a few deaths due to lightning in Madhya Maharashtra during the third week; and

(iv) Mild summer conditions over most parts of the country.

Six western disturbances moving across north India caused good precipitation over northwest India during the month. The first disturbance which was lying over north Rajasthan and adjoining West Pakistan and the Punjab on the last day of March moved away eastwards across Assam by 5th April. Dalhousie recorded 10 cm of rain on 1st. The next two western disturbances were somewhat feeble. The fourth disturbance appearing over West Pakistan on 9th persisted there till 12th. Later, it moved away across Assam by 16th. The last two disturbances moving eastwards across the Western Himalayas caused fairly well distributed rainfall in northwest India. Dalhousie recorded 8 cm of rain on 24th. The details of the movement and activity of these western disturbances are given in the accompaying statement.

In association with the above western disturbances moving across north India, there were spells of thundershowers in the central parts of the country. The seasonal thundershower activity over northeast India was also fairly well maintained during the month with spells of heavy rains. Some of the note-worthy amounts of rainfall recorded were : Angul 7 cm and Chaibasa 6 cm on 2nd, Cooch Behar 6 cm on 13th and Pasighat 10 cm on 27th.

An upper air trough persisting over the Peninsula during the first four days moved westwards into the Arabian Sea and later became unimportant. In association with it, the seasonal thundershower activity over the Peninsula was well marked during the first week. Trivandrum recorded 5 cm of rain on 2nd and Kodikanal 7 cm on 6th. The activity decreased considerably during the second week over the south Peninsula. A trough of low pressure developed in the east central Arabian Sea of Maharashtra coast on 14th. It shifted eastwards after two days and lay over the Peninsula as a well marked low till 22nd. It caused a spell of good thundershowers over the Peninsula and unusually heavy thunderstorm activity particularly in Madhya Maharashtra where according to press reports, a few deaths occurred due to lightning. Some of the note-worthy amounts of rainfall recorded were : Fort Cochin 11 cm and Tuticorin 5 cm on 17th and Raichur 5 cm on 19th. Another spell of good thundershowers occurred over the Peninsula in association with the development of a trough of low pressure over the east central Arabian Sea off the south Maharashtra and Mysore coasts on 28th. Punalur recorded 5 cm of rain on 27th and Palghat 5 cm on 29th.

Day temperatures remained below normal over most parts of the country leading to mild summer conditions during the month. They were appreciably to markedly below normal during the first week over the entire country outside the extreme south Peninsula with the maximum temperatures about 15°c below normal over east Uttar Pradesh. Although the temperatures generally rose, they continued to be below normal over northwest India during the rest of the month and in Gujarat State, Uttar Pradesh and central parts of the country during the third week. Parts of the Peninsula also had day temperatures below normal during the second fortnight. Day temperatures were above normal over the central parts of the country during the second week and over northeast India during the last week.

The total rainfall for the month was in large excess in Bihar Plateau, Uttar Pradesh, the Punjab and Vidarbha, and in moderate excess in Orissa, Madhya Pradesh, coastal Andhra Pradesh, Rayalaseema and Madras State. It was normal in the Bay Islands, north Assam, Gangetic West Bengal, West Rajasthan, Madhya Maharashtra and in Marathwada and in slight defect in north Interior Mysore,Kerala and the Arabian

© 1965 *by Manager of Publications, Government of India, Delhi*-8.

1—7 D.D.G. Obs. P/68

Sea Islands. It was in moderate defect in Sub-Himalayan West Bengal, Gujarat State, the Konkan, Telangana and south Interior Mysore and in large defect over the rest of the country.

The mean maximum temperature was above normal in the Bay Islands and below normal in Sub-Himalayan West Bengal, Orissa, Bihar Plateau, Uttar Pradesh, Punjab, Jammu and Kashmir, Rajasthan, east Madhya Pradesh, Telangana, Rayalaseema and Madras State. It was normal over the rest of the country. The mean minimum temperature was below normal in Orissa, West Uttar Pradesh, Punjab, Jammu and Kashmir, west Rajasthan and Telangana and normal over the rest of the country.

The mean relative humidity in the morning was above normal in Uttar Pradesh, Punjab, Jammu and Kashmir. west Rajasthan and Madhya Pradesh and was below normal in the Bay Islands, Gujarat region and in Marathwada. It was normal over the rest of the country.

The mean cloud amount in the morning was above normal in Bihar Plains, Uttar Pradesh, the Punjab, Jammu and Kashmir, Rajasthan, Madhya Pradesh, Gujarat State, Madhya Maharashtra, Marathwada, the Madras State, and north Interior Mysore and below normal in Gangetic West Bengal and coastal Mysore. It was normal over the rest of the country.

Table I contains the divisional and sub-divisional means of rainfall, temperature, humidity and cloud amount for the 15 chief political divisions and the 32 sub-divisions. The stations whose observations are used for preparing these means are given in the subsequent tables.

The highest maximum temperature given for any station in the accompanying tables is that recorded within the 24 hours ending at 0830 hrs. I.S.T. of the date noted in the succeeding column; similarly the heaviest rainfall in 24 hours for any station denotes the amount recorded during the 24 hours ending at 0830 hrs. I.S.T. of the date given in the succeeding column.

Poona 5;
The 24th November, 1965.

R. Ananthakrishnan,
for DIRECTOR GENERAL OF OBSERVATORIES

NOTE : Description in respect of Himachal Pradesh is not included for want of normals.

STATEMENT SHOWING THE MOVEMENT AND ACTIVITY OF WESTERN DISTURBANCES DURING APRIL 1965

No.	Period	Course	Region affected	Nature of precipitation	Period	Remarks
1.	5th April	West Pakistan—Rajasthan —Uttar Pradesh—Bihar —Plains—Assam.	Rajasthan Jammu and Kashmir. Himachal Pradesh. The Punjab. East Uttar Pradesh. West Uttar Pradesh.	Scatter rain. Local rain Widespread/local/scattered rain Widespread/local/scattered rain Widespread/local/scattered rain Fairly Widespread /scattered rain or snow	1st and 2nd 1st and 2nd 1st, 2nd and 3rd. 1st, 2nd and 3rd. 1st, 2nd and 3rd. 1st, 2nd and 3rd.	Active in the early stage till 1st and later feeble Dalhousie 10 cm on 1st.
2.	3rd—11th	Afghanistan and adjoining Baluchistan-West Pakistan —Rajasthan—Uttar Pradesh—Bihar Plains-West Bengal—Assam.	Jammu and Kashmir West Uttar Pradesh.	Local/scattered rain Scattered rain	4th and 5th. 5th	Feeble.
3.	5th—10th	Afghanistan—West Pakistan-The Punjab—Western Himalays.	Jammu and Kashmir. The Punjab. Himachal Pradesh. West Uttar Pradesh.	Scattered/local rain Scattered rain Local raiin Scattered rain	6th, 7th and 8th. 7th, 8th and 9th. 8th and 9th 9th	
4.	9th—16th	West Pakistan—The Punjab — Uttar Pradesh —Assam.	Jammu and Kashmir. Himachal Pradesh The Punjab. West Uttar Pradesh East Uttar Pradesh.	Scattered/local rain Local rain Local/scattered rain Scattered rain Scattered rain	12th, 13th and 14th 13th and 14th 13th and 14th 13th, 14th and 15th 14th	Persisted over West Pakistan till 12th.
5.	16th—20th	Baluchistan—West Pakistan—Rajasthan-Western Himalayas.	Jammu and Kashmir. Rajasthan. Himachal Pradesh. Punjab and West Uttar Pradesh.	Local rain Scattered rain Fairly Widespread/local rain Local/scattered rain	18th, 19th and 20th. 19th, 19th, 20th and 21 t 19th, 20th, and 21st and 22nd	
6.	21st—26th	West Pakistan—Rajasthan —The Punjab—Western Himalayas.	Jammu and Kashmir. The Punjab. Himachal Pradesh. West Rajasthan.	Local/scattered rain Scattered/local rain Local rain Scattered rain.	23rd, 24th and 25th 23rd, 24th and 25th 25th and 26th 24th	Dalhousie 8 cm.

	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative humidity% 0830	Relative humidity% 1730	Cloud 0830 hrs. IST	Cloud 1730 hrs. IST
1	2	3	4	5	6	7	8	9
Division								
1. Assam (Including NEFA, Nagaland Manipur and Tripura)	136·0 —48·9	74	29·9 —0·4	18·7 —0·7	74 +1	64	4·4 0	4·2
2. West Bengal	41·1 —7·9	84	34·9 —1·0	22·9 —0·6	65 +2	49	2·1 —0·6	2·5
3. Orissa	32·2 +9·5	142	35·3 —1.1	23·6 —1·3	69 +4	56	2·3 —0·2	3·4
4. Bihar	24·0 +8·4	154	35·9 —1·4	21·3 —1·0	48 +5	32	1·8 +0·2	2·1
5. Uttar Pradesh	30·3 +23·1	421	35·4 —2·1	19·7 —1·0	46 +10	27	2·2 +0·9	2·8
6. Punjab (Including Himachal Pradesh and Delhi)*	39·6 +28·6	360	31·4 —3·8	17·2 —1·7	57 +17	41	3·2 +1·4	3·7
7. Jammu and Kashmir	46·7 50·7		19·1 —2·4	6·9 —2·0	67 +8	58	4·6 +1·0	4·1
Sub Division								
1. Bay Islands	54·1 —5·8	90	33·0 +1·3	23·3 —0·4	63 —10	74	4·2 +0·5	4·6
2. North Assam (Including NEFA)	613·3 —7·5	96	29·5 —0·2	18·6 —0·6	76 +1	66	4·4 —0·3	4·4
3. South Assam (including Nagaland, Manipur &Tripura)	81.5 —131.6	38	31.1 —0.8	18.8 —0.8	70 +1	59	4·3 +0.5	3.8
4. Sub-Himalayan, West Bengal.	56·0 —25·8	68	32·5 —1·4	20·6 +0·1	63 +3	48	2·6 +0·2	2·4
5. Gangetic, West-Bengal.	35·7 —1·4	96	35·7 —0·9	23·5 —0.8	65 +1	49	2.0 —0·8	2·6
6. Orissa	32·2 +9·5	142	35·3 —1.1	23·6 —1·3	69 +4	56	2·3 —0·2	3·4
7. Bihar Plateau	52·7 +33·0	268	35·5 —2·1	21·5 —1·0	47 +5	29	1·8 +0·1	2·2
8. Bihar Plains	4·8 —8·1	37	36·3 —0·7	21·0 —1·0	49 +4	34	1·8 +0·3	1·9
9. Uttar Pradesh, East	28·3 +22·4	480	36·2 —1·9	20·3 —0·9	45 +9	26	2·0 +0·9	2·4
10. Uttar Pradesh, West.	33·0 +24·1	371	33·9 —2·4	18·8 —1·1	48 +11	29	2·4 +0.9	3·5
11. Punjab (Including Delhi).	39·6 +28·6	360	31·4 —3·8	17·2 —1·7	57 +17	41	3·2 +1·4	3·7
12. Himachal Pradesh	91·1 ..	..	27·5 ..	14·1 ..	71 ..	45	3·7 ..	5·0
13. Jammu and Kashmir	46·7 —50·7	48	19·1 —2·4	69 —2·0	67 +8	58	4·6 +1·0	4·1
14. Rajasthan, West	3·8 —0·2	95	35·0 —2.4	20·2 —1.3	48 +10	24	2·7 +1·3	3·9
15. Rajasthan, East	2.0 —2·6	43	35·6 —1·7	21·7 —0·2	35 +4	21	2·5 +1·5	3·5
16. Madhya Pradesh (West).	7·6 +2·0	136	37·3 —0·8	21·4 —0·4	36 +6	23	2·4 +1·0	3·8

	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity% 0830 hrs.	Relative Humidity% 1730 hrs.	Cloud 0830 hrs. IST.	Cloud 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
Division—*Contd.*								
8. Rajasthan	2·9 —1·4	67	35·3 —2·0	21·0 —0·7	41 +7	22	2·6 +1·4	3·7
9. Madhya Pradesh	14·2 +3·8	137	37·1 —0·9	21·6 —0·4	39 +6	24	2·5 +0·9	3·7
10. Gujarat State (Including Diu, Daman, Dadra & Nagar Haveli)	1·0 —0·5	67	36·2 —0.7	22·5 —0·3	59 —2	38	2·4 +1·0	2·3
11. Maharashtra State (Including Goa)	13·2 +1·9	117	36·7 —0·4	23·4 —0·3	50 0	33	2·4 +0·4	3·5
12. Andhra Pradesh	20·7 +2·0	111	36·7 —1·0	24·6 —1·1	67 +4	48	3·2 +0·2	3·2
13. Madras State (Including Pondicherry)	59·4 +17·7	142	34·2 —1·1	24·7 —0·7	74 +1	63	4·2 +0·9	4·5
14. Mysore	19·6 —16·7	54	35·2 —0·4	22·8 —0·2	66 +1	41	2·5 0	4·5
15. Kerala	99·6 —24·1	81	32·5 +0·2	25·3 —0.4	77 —1	71	4·6 +0.3	5·4
Sub Division—*contd.*								
17. Madhya Pradesh (East).	22·6 +6·0	136	36·8 —1·1	21·8 —0·3	44 +7	26	2·6 —0·7	3·5
18. Gujarat Region	1·2 —0·7	63	38·9 —0·4	23·2 +0·2	44 —9	20	2·0 +0·8	1·9
19. Saurashtra and Kutch. (including Diu)	0·8 —0·4	67	34·5 —0·9	22·1 —0·6	68 +1	49	2·5 +1·2	2·5
20. Konkan (including Goa)	2·6 —2·2	54	31·6 0	24·5 0	72 —1	67	2·6 0	2·2
21. Madhya Maharashtra.	14·6 —1·5	91	38·4 —0·2	22·0 0	45 0	25	2·5 +0·9	4·0
22. Marathwada	8·5 +0·3	104	38·6 —0·5	23 9 +0.3	30 —6	16	2·2 +0·7	3·8
23. Vidarbha	23·3 +10·4	181	38·8 —0·9	23·9 —0·9	39 +3	20	2·3 +0·3	3·8
24. Coastal Andhra Pradesh.	23·8 +5·5	130	35·4 —0·8	24·8 —0·8	74 +3	64	3·8 +0·2	3·4
25. Telangana	14·5 —6·9	68	37·6 —1·1	23·7 —1·6	63 +5	31	2·8 0	2·7
26. Rayalaseema	21·7 +5·8	136	38·4 —1·2	25·3 —1·0	58 +5	32	2·3 +0·2	3·4
27. Madras State (including Pondicherry)	59·4 +17·7	142	34·2 —1·1	24·7 —0·7	74 +1	63	4·2 +0·9	4·5
28. Coastal Mysore	1·4 —22·4	6	32·3 —0·1	25·2 —0·2	76 +1	73	2·7 —1·0	3·8
29. Interior Mysore, North.	22·5 —5·1	82	37·3 —0·7	23·4 0	55 0	32	2·3 +0·6	4·6
30. Interior Mysore, South.	24·9 —24·2	51	34·6 —0·3	21·1 —0·4	71 +2	33	2·5 —0.2	4·8
31. Kerala	99·6 —24·1	81	32·5 +0·2	25·3 —0·4	77 —1	71	4·6 +0.3	5·4
32. Arabian Sea Islands.	34·0 —9·8	78	32·1 +0·1	25·9 —0·7	73 +1	67	3.6 +0·2	3.3

NOTE.—The entries in the second line for each division and sub-division indicate departures from normal.

*Data for Himachal Pradesh not included.

Sub-Division and Station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2 mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Bay Islands																													
Maya Baadar	32·0	..	33·2	25	24·5	..	22·2	6	171·4	205·0	..	120·4	22	7	..	9·5	6·2	..	0	10	0	0	8	0	0	0	0	0	0
Long Island	32·1	..	32·9	24,26	22·3	..	19·2	6,7	34.2	38·0	..	24·4	3	4	..	6·8	4·2	..	0	4	0	0	0	0	0	0	0	0	0
Port Blair	33·0	+1·3	33·9	29 24,27	23·3	−0·4	19·9	3	51·7	54·1	−5·8	40·2	3	3	−2·1	7·3	5·1	−4·4	3	6	0	0	15	1	0	0	0	0	0
Car Nicobar	31·6	..	33·3	29 29,30	23·3	..	20·7	7	58.9	74·9	..	26·3	2	6	..	7·1	3·5	..	0	7	0	0	3	0	0	0	0	0	0
Nancowry	32·7	..	35·0	29	25·5	..	23·3	14	59·4	79·8	..	17·4	16	9	..	..	..	..	1	11	0	0	11	0	0	0	0	0	0
Kondul	..	..	..	..	24·9	..	22·0	1	26·0	51·7	..	22·3	1	4	..	..	..	..	0	8	0	0	4	0	0	0	0	0	0
North Assam (including NEFA)																													
Pasighat	27·4	..	32·5	12	17·5	..	12·5	4	65·3	254·4	..	95·8	27	13	..	7·6	11·3	..	0	14	0	0	13	0	0	0	0	0	0
Dibrugarh (Mohanbari)	28·3	+1·4	33·4	13,28	17·5	−0·8	10·8	5	57·9	213·5	−27.6	38.6	20	13	−0·6	7·5	5·1	−0·2	1	14	0	1	18	1	0	0	0	2	0
Digboi	30.9	..	35.1	30	15.8	..	13.6	1	8.2	76·3	..	19.6	26	11	..	..	..	..	0	15	0	0	0	0	0	0	0	0	0
North Lakhimpur	28·7	−0·1	34·0	13	17·8	−1·6	11·6	6	40·6	184·0	+40·5	38·2	14	11	+0·6	7·1	5.0	..	0	17	0	0	7	0	0	0	0	0	0
Sibsagar	29·0	+1·4	34·4	13	19·3	+0·4	13·3	5	29·9	234·2	−22·9	35·4	26	15	+0·9	4·4	3·6	−0.7	0	19	0	0	16	1	0	0	0	0	0
Golpur	28·8	..	34·6	13	18·2	..	11·5	6	34.8	271·0	..	108·1	15	9	..	6 0	5.0	..	0	10	0	0	0	0	0	0	0	0	0
Majbat	29.9	..	34.5	13	..	..	..	..	3·4	131·2	..	36 0	20	11	..	8·0	5·6	..	0	11	0	0	0	0	0	0	0	0	0
Jorhat (Aerodrome)	29.3	..	35·0	28	19·0	..	13·5	6	28.1	201·2	..	41·1	16	11	..	..	..	..	0	14	0	0	13	0	0	0	0	0	0
Tangla	30·4	..	34·2	29,30	..	..	..	..	0	157·4	..	30·4	3	10	..	5 6	3.7	..	0	10	0	0	0	0	0	0	0	0	0
Tezpur	30·0	+0·5	35·4	13	20·0	+0·1	13·4	4	14·4	73·6	−79.1	18·4	18	7	−3·7	(j) 7·5	(k) 5·7	−1·1	1	10	0	0	0	0	0	0	0	0	0
Golaghat	29·5	..	36.6	28	18·6	..	12.4	6	(d) 17·0	(e) 186·4	..	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	0	0
Rangia	30·4	..	35·6	30	19·2	..	12·3	4	0	107·4	..	..	..	..	..	(c) 8·8	(c) 6·9	..	..	..	0	0	3	0	0	0	0	1	0
Chaparmukh	30·9	..	37·0	28	20·3	..	14.8	6	(b) 7·0	(b) 153·4	..	..	..	..	..	(b) 8·7	(c) 7·4	..	..	..	0	0	0	0	0	0	0	0	0
Gopalpara	29.7	..	35·3	28	16·9	..	10·6	6	3·6	170·6	..	45·8	15	12	..	(b) 7·6	(b) 5·4	..	0	11	0	0	0	0	0	0	0	0	0
Gauhati	27.6	−3.3	30.4	13	17.2	−2.7	10.4	4days	..	176·5	+31·5	75·0	13	11	+1.0	..	..	..	0	15	0	0	0	0	0	0	0	0	0
Gauhati (Bhojor)	30·0	−0·9	36·2	28	19·5	+0·4	..	..	19·8	196·0	−1·2	35·8	18	11	+1.0	8·1	5·5	..	0	17	0	3	15	0	0	0	2	4	1
Dhubri (Rupsi)	31·0	..	36·7	28	20·0	..	14·3	4	0·3	203·3	..	75·0	13	8	..	10·5	10 3	..	0	12	0	1	8	0	0	0	0	0	0
Dhubri	30·5	−0·7	37·4	28	..	..	..	..	0	149·4	+11·7	48·2	13	8	−0.1	14·1	13·7	+3·6	0	11	0	0	5	0	0	0	0	0	0
Lumding	32·1	0	37·2	30	19·1	0	10·9	4	36·5	79·8	−11·9	21·2	10	7	−0·2	8·0	5 3	..	0	8	0	0	0	0	0	0	0	0	0
South Assam (including Nagaland Manipur and Tripura																													
Tura	30·5	..	35·5	28	21·7	..	15·6	3,4	1·5	172·0	..	49·4	13	6	..	8·3	8·2	..	2	8	0	0	0	0	0	0	0	0	0
Haflong	26·8	..	29·2	19	18·1	..	12·1	5	5·7	88·4	−166·4	35·8	28	6	−6·4	..	..	..	0	8	0	0	7	0	0	0	0	0	0
Silchar (Kumbhirgram)	31·3	..	33·7	28	20·0	..	14·5	4	13·2	245.4	..	50·0	28	16	..	6·4	7·5	..	0	17	0	0	17	0	0	0	0	4	0
Silchar	29·5	−1·6	32·3	30	21·1	+0·7	15·5	4	30·0	178·6	−206·7	43·0	10	11	−3·3	4·1	2·7	−0·8	0	17	0	0	16	0	0	0	0	0	0
Imphal (Tulihal)	29·0	−0·4	32·4	20,27	13·5	−2·0	6·8	5	11·8	35·0	−56·3	8·5	10	5	−3·0	12·6 (j)	7·8 (l)	−1·2	0	11	0	0	12	0	0	0	0	0	0
Kailashahar	33·0	..	36·7	30	21·2	..	15.4	4	20·0	190·0	..	37·6	1	10	..	4·9	3·7	..	0	15	0	0	17	0	0	0	0	1	0
Agartala	34·7	−0.4	39·3	29	21·8	−1.1	15·1	4	12·2	24·2	−97·1	7·6	2	3	−2·9	13·3	11·2	+0·3	0	8	0	0	14	0	0	0	0	1	0
Sub-Himalayan West Bengal																													
Baghdogra	30·9	−2·3	37·2	27	19·1	−0·5	9·6	4	3·1	52·9	−7·1	37·1	13	4	+0·2	16·6	12·8	+3·8	0	8	0	0	8	0	0	0	0	0	0
Jalpaiguri	30·7	−1·2	36·8	28	20·4	+0·3	13·4	4	0	45·8	−47·9	35·2	13	5	−2·5	..	..	..	1	5	0	0	6	0	0	0	0	0	0
Cooch Bihar	30·3	..	35·6	28	19·7	..	12·5	4	0·2	100·0	−43·5	60·6	13	5	−2·3	8·1	6·5	..	0	7	0	0	10	0	0	0	0	0	0
Balurghat	35·9	..	40·5	28	21·4	..	14·0	4	0	13·0	.	9·8	20	1	..	8·3	6·4	..	0	3	0	0	3	0	1	0	0	0	0
Malda	35·8	−0.6	40·5	29,30	22.3	+0.5	16 5	4	24·8	25·4	−4·6	22.0	20	2	0	4·7	3·3	−4·7	0	3	0	0	3	0	2	0	0	0	0
Gangetic West Bengal																													
Berhampore	37·0	−0·2	45·1	26	22·3	−1·0	16.8	4	6·1	47.4	+9·8	30·2	14	3	+0·3	5·9	4·1	−1·5	0	4	0	0	4	0	0	0	0	0	0
Suri	37·5	..	42·7	26	22·4	..	16·0	2	..	16·2	..	11.2	2	1	..	..	8·1	..	0	4	0	0	2	0	0	0	0	0	0
Asansol	37·4	−1·4	42·2	29	21·7	−1·7	16·3	5	4.7	19·5	−1·6	13·3	2	3	+1.2	12·0	7·3	−0·6	0	3	0	0	3	0	0	0	0	0	0
Shanti Niketan	37·0	..	42·2	30	22·3	..	17·2	5	8·2	29·9	..	20·2	2	3	..	8·1	7·5	..	0	4	0	0	2	0	0	0	0	0	0
Krishnanagar	37·6	+0·4	42·8	29,30	23·0	−0·4	17·5	6	0	16·5	−41·4	11·5	2	2	−1·7	5·0	6·6	−1·6	0	2	0	0	1	0	0	0	0	0	0
Purulia	36·4	−2.6	41·4	29	23·0	−1·7	13·5	2	26·6	65·7	+42·3	33·6	2	3	+0·5	8·6	5·8	+0·4	1	3	0	2	3	1	0	0	0	0	0
Bankura	37·8	..	42·6	30	23.7	..	16.4	3	5·0	29·6	−2·1	24·8	2	2	−0·7	5·0	3·4	..	0	1	0	0	0	0	0	0	0	0	0
Burdwan	37·2	−0·4	46·0	25	22·7	−1.2	..	..	..	45·7	−3·6	36·0	1	2	−1·2	10·6	8.1	+3·3	0	3	0	0	0	0	0	0	0	0	0
Barrackpore (Aerodrome)	35·9	..	40·8	27	23.7	..	17.0	6	5·0	37·0	..	0·0	2	2	..	..	..	..	0	2	0	0	6	0	0	0	0	0	0

(j) Mean of 21 days. (b) Mean or total for 29 days. (c) Mean of 28 days. (d) Mean of 27 days. (e) Mean of 26 days. (l) Mean of 19 days. (k) Mean of 20 days.

Sub-Division and Station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2 mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Gangetic West Bengal—*Contd.*																													
Calcutta (Dum-Dum)	35·6	—0·3	41·3	26	24·0	—0·3	17·8	2,3	2·5	45·7	+1·6	30 0	2	3	+0·2	12·5	11 2	—2·0	1	4	0	0	6	1	0	0	0	2	0
Calcutta	35·5	—0·5	41·3	30	24·5	+0·3	18·3	2	0	55·4	+10·9	24·6	2	3	0	14·9	8·7	+0·8	1	3	0	1	6	0	0	0	0	6	0
Midnapore	37·5	—0·8	43·0	26	23·9	—0·7	17·1	2	0	46·8	+3·6	28·4	2	2	—1·1	8·1	7·5	+1·5	0	2	0	0	3	0	0	0	0	0	0
Contai	32·6	—1·2	38·1	27	24·4	—1·3	17.9	2	0	9·0	—16·7	9·0	2	1	—0·9	16·6	13·1	—3·2	0	1	0	0	0	0	0	0	0	0	0
Sagar Island	29·9	—2·2	31·4	30	25·9	—0·4	19·2	2	1·4	11·2	—18·5	9·8	2	1	—1·1	27·2	28·0	+6·0	0	2	0	0	2	0	0	0	0	1	0
Sandheads	30·4	..	35·1	15	25·5	..	21·6	2	0	3·6	—11·1	3·6	2	1	—0·1	..	..	..	0	1	0	0	0	0	0	0	0	0	0
Orissa																													
Baripada	38·0	..	43·3	26	23·3	..	17·3	2	23·9	45·3	..	19·8	2	3	..	5·3	4·2	..	0	4	0	0	8	1	0	0	0	0	0
Jharsuguda	37·9	—2·2	43·0	30	23·4	—0·8	17·5	2	1·8	9·2	—0·6	8·8	2	1	—0·2	9·6	7·0	—0·8	0	2	0	0	4	0	1	0	0	1	0
Keonjhargarh	35·6	..	39·9	30	..	..	..	..	7·2	27·4	..	22·0	2	2	..	8·8	(e) 6·3	..	1	2	0	0	0	0	0	0	0	0	0
Balasore	35·4	—0·7	40·2	25	22·7	—1·7	16·6	2	11·1	53·2	+8·7	22·1	2	4	+0·5	13·4	11·5	+2·8	0	8	0	0	12	0	0	0	0	0	0
Sambalpur	37·3	—2·1	41·6	30	21·8	—2·0	18·3	6	0	2·0	—13·0	2·0	2	0	—1·6	6·7	4·8	+0·1	0	1	0	0	0	0	0	0	0	0	0
Angul	38·2	—0·7	42·9	15,30	22·7	—1.4	17·0	2	54·0	87·0	+60·8	67·2	2	2	—0·2	8·2	6·6	—1·0	0	3	0	0	5	0	0	0	0	0	0
Chandbali	37·0	0	42·3	30	21·3	—0·5	18·5	2	3·6	15·0	—21·6	11·4	2	2	—0·9	13·5	10·7	—3·3	0	2	0	0	0	0	0	0	0	0	0
Bolangir	38·7	..	45·7	28	25·5	..	18·6	4,5	11·0	28·4	..	23·2	3	2	..	5·6	7·7	..	0	2	0	0	3	0	0	0	0	0	0
Phulbani	36·1	..	40·0	30	20·0	..	13·9	6	0	21·9	..	18·0	2	2	..	6·0	2·7	..	0	2	0	0	3	0	0	0	0	0	0
Cuttack	37·7	—0·7	43·5	30	24·2	—1·1	19·2	2	2·8	36·7	+9·5	27·5	2	3	+1·3	7·3	8·5	+2·7	0	5	0	0	2	0	0	0	0	0	0
Titlagarh	38·1	..	42·9	26	24·8	..	26·0	4,5	0	31·6	..	20·1	15	2	..	4·9	4·2	..	0	2	0	0	0	0	0	0	0	0	0
Bhubaneswar	36·2	—1·8	40·5	30	24·5	—1·2	18·9	2	1·0	36·7	+24·3	30·8	2	2	+0·9	20·4	18·6	—6·1	0	4	0	0	5	0	0	0	0	1	0
Puri	30·2	—0·7	32·2	1	24·4	—1·8	18·3	2	19·6	39·6	+24·9	23·6	3	2	+1·0	27·3	24·1	+4·0	0	2	0	0	1	0	0	0	0	0	0
Gopalpur	30·1	—1·1	31·3	21	24·1	—1·0	21·0	3	2·0	10·4	—7·4	7·4	2	1	—0·4	21·0	18·7	—1·3	0	4	0	0	5	0	0	0	0	0	0
Koraput	(g) 33·1	—0·5	..	..	..	..	..	..	(g) 49·9	(h) 76·2	..	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	0	0
Bihar Plateau																													
Dumka	37·5	—0·2	41·7	25,26, 29	22·5	—0·7	15·9	4	3·0	19·3	—2·0	10·8	3	2	+0·1	13·2	6·8	+2·6	0	2	0	0	0	0	0	0	0	0	0
Daltonganj	35·0	—3·6	39·0	16	19·9	—1·2	14·2	4	22·0	36·2	+25·8	23·0	2	3	+2·2	7·1	4·4	—1·2	0	3	0	0	0	0	0	0	0	0	0
Hazaribagh	33·4	—2·8	38·3	30	20·4	—1·7	12·5	4	11·4	10·3	+26·3	21·2	1	3	+1·5	15·0	10·4	—0·1	0	3	0	0	2	1	0	0	0	0	0
Dhanbad	36·5	..	41·5	26,29, 30	23·1	..	16·5	2,3	13·4	37·4	..	17·8	2	3	..	8·4	8·4	..	0	3	0	0	2	1	0	0	0	0	0
Ranchi	32·7	—2·7	36·4	19	20·1	—1·7	15·4	4	29·8	72·8	+50·2	33·5	2	3	+0·6	6·1	4·5	—3·4	0	3	0	1	2	0	0	0	0	0	0
Ranchi Aerodrome	33·4	..	38·3	29	20·9	..	13·7	1	12·0	55·6	..	35·6	1	2	..	13·8	9·9	..	0	3	0	0	3	0	0	0	0	1	0
Jamshedpur	37·4	—1·5	42·2	30	24·0	+0·8	16·2	2	0·9	68·1	+45·2	27·4	1	3	+0·9	8·9	5·7	+0·4	0	4	0	0	3	0	0	0	0	0	0
Jamshedpur (F.B.O.)	36·9	..	41·9	30	22·5	..	16·4	2	0	62·8	..	28·8	1	3	..	10·0	6·0	..	0	3	0	0	5	0	0	0	0	0	0
Chaibasa	37·1	—1·8	42·0	30	22·3	—1·4	15·5	1	0	79·6	+52·7	59·0	2	3	+0·8	5·1	3·9	—0·1	0	3	0	0	2	0	0	0	0	0	0
Bihar Plains																													
Motihari	34·3	—1·8	39·9	26	..	..	..	..	0	4·1	..	..	..	..	..	(c) 8·0	(b) 6·0	—0·3	..	..	0	0	1	0	0	0	0	0	0
Forbesganj	34·0	..	40·0	27	19·2	..	11·8	4	0	(b) 14·4	..	8·6	1	2	..	13·5	8·4	..	0	3	0	0	2	1	0	0	0	0	0
Darbhanga	35·5	—0·6	39·4	18,29	20.5	—0·5	13·4	3,4	0	0	—17·3	0	..	0	—1·3	6·7	5·5	—0·6	0	0	0	0	0	0	0	0	0	0	0
Muzaffarpur	..	..	..	..	..	..	..	..	..	0	—12·2	0	..	0	—0·9	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Chapra	36·6	..	41·6	19	22·1	..	15·2	2	3·5	3·5	—4·6	3·5	2	1	+0.3	3·6	4·8	..	0	1	0	0	0	0	0	0	0	0	0
Purnea	35·9	—0·2	40·4	29	18·9	—1·8	10·4	4	1·4	1·4	—31·4	1·4	4	0	—1·8	10·3	6·9	+1·4	0	1	0	0	2	0	0	0	0	0	0
Patna	36·8	—0·1	41·9	19	22·3	—0·8	15·4	2,4	1·1	1·4	—5·5	1·4	2	0	—0·6	11·2	9·0	+2·1	0	1	0	0	0	0	0	0	0	0	0
Patna Aerodrome	36·4	..	41·3	19,25	20·7	..	13·3	2	2·6	2.6	..	2·6	2	1	..	15·0	8·6	..	0	1	0	0	0	1	0	0	0	0	0
Arrah (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bhagalpur	37·2	—0·7	41·4	25	22·9	0·7	16·0	5	0	0·8	—7·9	0·8	3	0	—1·2	13·7	9·7	—0·7	0	1	0	0	1	0	1	0	0	0	0
Sabour	37·0	—0·3	41·0	25,30	20·0	—0·9	12·2	4	0	0·8	—17·5	0·8	3	0	—1·3	13·4	7·9	—1·8	0	1	0	0	2	0	0	0	0	2	0
Jamui	37·3	..	42·4	25	22·7	..	15·8	4	2·0	2·0	..	2·2	2	0	..	11·0	7·5	..	0	1	0	0	0	0	0	0	0	0	0
Dehri	36·8	..	41·7	25,30	24·0	..	16·6	2	14·0	22·0	+16·2	14·0	2	2	+1·4	12·4	8·3	..	0	2	0	0	1	0	0	0	0	0	0
Gaya	37·3	—1·5	42·3	30	21·5	—1·1	14.4	4	8·2	13·5	+7·4	8·3	2	2	+1·4	15·0	9·4	+0·1	0	2	0	0	4	1	0	0	0	1	0
Uttar Pradesh (East)																													
Kheri (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Baharaich	36·6	—0·6	41·6	25	19·8	—0·9	11·8	5	0	6·2	—1·9	6·2	1	1	+0·4	14·2	9·1	+3·6	0	1	0	0	0	0	0	0	0	0	0
Nautanwa (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hardoi	35·5	—2·4	40·4	19,30	19·1	—1·5	12·0	3	2·8	34·8	+33·8	21·2	1	3	+2·8	15·6	9·8	+2·5	0	3	0	0	1	0	0	0	0	0	0
Gonda	36·3	—1·1	41·5	30	19·5	—0·8	11·8	3	0	21·2	+12·3	18·6	1	2	+1·9	11·0	8·4	+0·7	0	2	0	0	0	0	0	0	0	0	0

(g) Mean or Total for 24 days. (e) Mean of 26 days. (b) Mean or total for 29 days. (c) Mean of 28 days. (R) Register not received. (h) Total for 23 days.

Sub-Division and Station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 mm. 0.2 mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Uttar Pradesh (East) —*Contd.*																													
Lucknow	35.1	−3·5	39.6	18	20·0	−1·6	11.4	3	0	33.8	+27.5	17.0	2	2	+1.4	7.8	5·3	+1·4	0	2	0	0	1	0	0	0	0	0	0
Lucknow Amausi	35.8	−2·5	41·6	30	19·7	−0·6	12·2	3	0.6	36.2	+29.9	19.6	1	2	+1·4	16·3	10·9	..	0	3	0	0	4	0	2	0	0	1	0
Faizabad	36.2	..	41·0	25,30	18·8	..	11·4	3	0	11.4	..	11.4	1	1	..	8·4	4·5	..	0	1	0	0	1	0	0	0	0	0	0
Gorakhpur	35.8	−1·6	41·6	30	21·0	−0·8	11·3	3	1.3	26.3	+16·9	25.0	1	1	+0·3	11.1	6·7	+2.2	0	2	0	0	0	0	0	0	0	0	0
Kanpur	36.1	−1·3	40·6	30	21·3	−0.1	13·1	3	0	30.8	+25.2	15.8	1	2	+1·4	18·2	12·7	+1.0	0	2	0	0	0	0	1	0	0	0	0
Kanpur (Aerodrome)	36.6	..	41·2	25,30	20·7	..	13·2	3	0	28.9	..	24.8	1	2	..	..	..	..	0	2	0	0	3	1	2	0	0	3	0
Sultanpur	36.3	..	42·0	30	20·6	..	13·3	3	0	10.2	..	10.2	1	1	..	9·4	6·3	..	0	1	0	0	1	0	0	0	0	0	0
Azamgarh	37.0	..	42·3	25	20·9	..	13·1	3	3·4	15·4	..	12.0	1	2	..	..	..	..	0	2	0	0	0	0	0	0	0	0	0
Fatehpur	37·0	−1·3	41·6	30	20·3	−0·8	13·3	3	0	26.0	+17·6	21.6	1	2	+1·4	12·4	7·9	+2·3	0	3	0	0	3	0	2	0	0	0	0
Ballia	35·6	..	41·5	25	19·2	..	11·7	3	0	13·6	..	10.4	1	2	..	10·0	6·0	..	0	2	0	0	0	0	0	0	0	0	0
Banda	37·6	..	42·7	25,30	21·1	..	14·0	3	0	5.6	..	4.8	1	1	..	6·7	5·5	..	0	2	0	0	1	0	1	0	0	0	0
Allahabad (Bamhrauli)	37·2	−2·0	42·0	30	21·2	−0·7	12·7	1	2.2	29.0	+24·7	26.8	1	1	+0·6	8·4	5·2	−1·4	0	3	0	1	4	0	0	0	0	1	0
Varanasi (Babatpur)	36·5	−2.5	41·8	30	20·7	−1.5	13·5	1	11·8	38·5	+37.4	26·7	1	2	+1·8	17·9	11·3	−1.2	0	2	0	1	1	0	2	0	0	0	0
Varanasi	36·7	−2·1	41·6	30	21·2	−0·8	13·9	1	10.0	28.6	+23·5	18.6	1	2	+1·6	9·1	6·8	+1·5	0	2	0	0	0	0	0	0	0	0	0
Uttar Pradesh West																													
Mukhim	19·5	..	25·7	30	10·6	..	1.7	2	20·4	73.4	..	23·8	1	5	..	..	..	..	0	8	1	2	4	3	0	0	0	0	0
Tehri	29·3	..	36·6	30	13·6	..	7·4	3	8·7	65·7	..	30·5	1	4	..	4.7	3·0	..	0	6	0	1	3	0	0	0	0	0	0
Dehra Dun	29·3	−2·9	35·6	30	14·7	−2·2	7·4	3	29·1	78·5	+62·0	43·5	2	3	+1·3	4·6	3·9	0	0	4	0	1	5	0	0	0	0	0	0
Mussoorie	17·7	..	23·1	12	(h) 11·5	..	..	..	..	93·1	..	47·0	2	6	..	..	..	..	2	10	3	0	0	0	0	0	0	0	0
Roorkee	32·8	−2·6	38·5	30	16·9	−1·4	11·0	3	12.2	41·9	+30·5	25.4	1	2	+0·9	12·2	6·5	+2·0	0	3	0	1	2	0	0	0	0	0	0
Najibabad	34·0	..	38·9	30	16.7	..	9·1	3	30.6	50·0	..	36·6	2	2	..	6·6	7·0	..	0	2	0	1	2	0	3	0	0	0	0
Meerut	33·6	−2·9	38·5	30	17·8	−1·8	8.3	3	..	29.9	+20·5	21.8	2	2	+1·2	..	7·0	..	1	2	0	0	1	0	0	0	0	0	0
Bareilly	34·9	−1.7	40·0	30	20·1	−0·3	12·3	3	0	47.6	+40·7	25.2	1	2	1·4	15·0	10·3	+6·1	0	2	0	0	2	0	1	0	0	0	0
Aligarh	..	..	..	..	18·9	−1·2	11·5	2	0	16.4	+3·9	8.2	2	2	−1·0	13·7	..	..	0	3	0	0	1	0	2	0	0	0	0
Mainpuri	..	..	..	..	(g) 19·1	−1·6	..	..	0	19.4	13.6	12.2	2	2	+1·3	8·7	5·9	+2·2	0	2	0	0	2	0	1	0	0	0	0
Agra	35·7	−2·1	40·5	30	20·9	0	12·0	2	0	12.6	+7.3	10.1	2	2	+1·4	6·5	4·4	−1·9	0	2	0	0	0	0	0	0	0	0	0
Agra (Aerodrome)	36·2	..	41·3	30	19·1	..	10·6	2	1.3	41.2	..	33.0	1	2	..	18·3	15·0	..	0	2	0	0	2	0	0	0	0	0	0
Orai	36·6	..	42·2	25	21·0	..	14·4	2	0	14·0	..	12·0	1	1	..	..	..	..	0	2	0	0	0	0	0	0	0	0	0
Jhansi	37·2	−2·0	41·2	30	21.8	−0·5	14·0	1	0	17.5	+13·9	17.5	1	1	+0·5	8·1	6·3	+0·5	0	1	0	0	0	0	0	0	0	0	0
Punjab (including Delhi)																													
Pathankot	29·1	−4·4	35·9	30	14·7	−3·2	7·8	3	13·1	79.5	+60·5	36·3	1	5	3·2	..	..	..	0	11	0	1	11	0	1	0	0	0	0
Bhuntar	22·8	..	29·8	30	9.2	..	6·3	21	35·5	134·1	..	25·7	19	11	..	8·3	6·8	..	0	11	0	2	10	0	0	0	0	0	0
Amritsar (Rajasansi)	29·7	−4·6	36·4	30	16·1	−0·1	10·3	3	0·1	36·3	+28·6	24·5	1	3	+2·0	12·0	10·1	+0·5	0	8	0	0	1	0	0	0	0	2	0
Adampur (Aerodrome)	30·6	..	39·4	28	15·1	..	8·3	3	1·6	44.9	..	27·4	1	4	..	..	..	..	0	7	0	0	7	0	1	0	0	0	0
Ludhiana	31·5	−3·9	38·2	30	17·0	−2·2	10·0	3	12·1	46·4	+29·9	25·3	1	4	+2·7	7·2	6·0	+2·8	0	5	0	0	4	0	0	0	0	0	0
Ferozepore	30·6	..	37·0	30	16.2	..	9·1	3	6·0	21.8	..	12·0	1	3	..	7·0	5·6	..	0	3	0	0	0	0	3	0	0	0	0
Halwara Aerodrome	30·2	..	36·8	30	15·6	..	7·7	2	9·7	33·5	..	19·2	1	3	..	..	..	..	0	4	0	0	5	0	0	0	0	0	0
Chandigarh	31·3	−3·1	37·5	30	17.0	−2·3	7·8	2	2.4	56·1	+45·7	19·8	19	1	0·3	..	..	..	0	4	0	0	0	0	0	0	0	0	0
Ambala	31·8	−4·0	36·8	30	17·8	−1·3	10·2	3	19·9	30·9	+11·6	8·6	2	5	+3·4	10·0	5·4	−0·4	0	7	0	0	1	0	0	0	0	0	0
Ambala (Aerodrome)	31·6	..	37·7	30	16·8	..	10·0	2	21.3	31·3	..	10·5	2	3	..	..	..	..	1	7	0	0	7	0	1	0	0	0	0
Patiala	32·1	..	38·3	30	18·4	..	10·3	2	2.0	45.0	41·9	25·0	13	2	+1.7	9·8	9·9	..	0	3	0	0	1	0	0	0	0	0	0
Bhatinda	32·5	..	37·9	19,30	16·7	..	8·9	2,3	5·0	14.0	..	11.0	24	2	..	8·6	7·4	..	0	2	0	0	2	0	0	0	0	0	0
Karnal	32·8	..	37·2	30	..	..	..	..	37·0	52·0	..	23·0	20	3	..	..	..	..	0	4	0	0	0	0	0	0	0	0	0
Hissar	33·6	−3·0	39·1	18,30	18·8	−0·5	10·3	3	1·2	8.4	+1·8	5·0	2	1	+0·1	9·6	8·5	+1·6	0	3	0	1	1	0	0	0	0	0	0
New Delhi (Safdarjung)	33·3	−3·8	38·2	30	19·3	−2·1	10·7	2	10.4	13·9	+5·5	5·9	2	3	+2·1	16·7	13·3	2·7	0	4	0	1	3	0	0	0	0	1	0
Palam (Aerodrome)	34·0	..	39·2	30	18·1	..	10·6	2	10.6	15·2	..	7.5	2	3	..	..	..	..	0	1	0	1	3	0	1	0	0	0	0
Himachal Pradesh																													
Mandi	26·7	−3·7	32·7	17	..	..	..	..	46·4	115·2	+77·7	27·1	25	11	+7·0	3·0	2·1	−1·4	0	14	0	0	7	[illegible]	0	0	0	0	[illegible]
Bilaspur	28.2	..	34.4	30	14·1	..	6.8	2	36·0	67·0	..	30·0	2	5	..	6·5	4·9	..	0	5	0	1	1	[illegible]	2	0	0	0	[illegible]

(h) Mean of 23 days.

Sub-Division and station	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2·5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Weather phenomena—No. of days with: Precipitation (0·1 mm. and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Jammu and Kashmir																													
Misgar (R)																													
Gilgit (R)																													
Skardu (R)																													
Deas	..	..	..	..	..	..	..	..	..	1·8	−102·1	0·9	9	0	+8·0	..	..	..	5	2	..	..	..	..	..	..	..	..	..
Sonemarg	..	.	..	..	..	..	..	..	..	29·3	−222·9	15 0	8	3	−9·5	..	..	..	0	8	4	..	..	..	..	..	..	..	..
Leh	12 2	−0 8	15·6	17	(f) −2 2	−1 3	..	..	0	0	−5·8	0	..	0	−0 8	6·8	4·9	+0·6	0	0	0	0	0	0	0	0	0	0	0
Srinagar	15·4	−3 9	23 3	30	6 9	−0 1	2·8	9	29 6	113 5	+20 8	19·6	7	11	−3 2	8·3	7·2	+2·1	0	18	0	0	1	0	0	0	0	0	0
Srinagar (Aerodrome)	14·6	..	22 5	30	6·6	..	2·8	9	26·2	119·9	..	22·3	23	11	..	..	..	..	0	14	0	0	7	0	0	0	0	0	0
Gulmarg										Closed	During	Winter	Mon	ths															
Qazigund	14·6	..	22 4	30	5 8		0	9	104·8	265 2	..	43 3	9	16	..	3 6	3 0	.	0	23	1	2	12	0	0	0	0	0	0
Banihal	16 6	..	24·2	16	6 5	..	0	1	113·8	333·4	..	51·1	1	17	..	..	..	..	0	21	0	0	9	0	0	0	0	0	0
Jammu	29·8	−2 4	36·2	30	16·0	−4 5	10 5	2	38 6	88 8	+56·5	39·8	1	5	+2·5	6.4	6·2	..	0	5	0	0	0	0	0	0	0	0	0
Jammu (Aerodrome)	28·5	..	35·6	30	16·9	..	11 7	3	14 3	126·8	..	48·5	1	8	..	..	..	..	0	10	0	0	10	0	1	0	0	0	0
Rajasthan (West)																													
Ganganagar	32 7	−3·7	39·4	30	17·5	−2·1	9 1	2	4·2	14 8	+11·1	10·1	2	2	+1·6	7·4	4·9	−0·2	1	2	0	0	3	0	0	0	0	0	0
Anupgarh (R)																													
Mahajan	34 9	..	43·5	29	..	..	..	..	9·0	..	..	..	..	..	..	..	..	..	.	..	0	1	0	0	0	0	0	0	0
Churu	33 8	.	39 4	30	18 2	..	10 3	2	3·6	5·2	..	3.6	19	1	..	12·3	9·0	..	0	2	0	0	1	0	0	0	0	0	0
Bikaner	34 7	−3 2	41 0	30	19 1	−2 2	11 5	2	0	1 2	−3·6	1 2	24	0	−0·5	12·0	9·6	+2·0	0	1	0	0	0	0	0	0	0	0	0
Nagaur	35 0		40·3	30	19 3	..	11 5	2	0	23·2	..	23·0	1	1	..	10·7	9·0	..	1	1	0	1	0	0	0	0	0	0	0
Phalodi	35·3	..	42·0	30	19·3	..	11 4	2	1·0	3 0	−0 6	2 0	22	0	−0·3	16·2	12·0	..	0	2	0	0	0	0	2	0	0	0	0
Jaisalmer	35·0	..	42·0	30	20·2	..	13 4	1	0	0	..	0	..	0	..	14·7	13·3	..	0	0	0	0	0	0	1	0	0	0	0
Jodhpur	36·1	−1·3	42·6	30	21·9	+0·3	14 6	1	0	0	−3·3	0	..	0	−0·5	10·1	9·7	−1·2	0	0	0	0	0	0	1	0	0	0	0
Barmer	36 6	−1·3	43·5	30	22·4	−1·1	16·1	2	0	0	−4·8	0	..	0	−0 4	9 5	8·9	−0·4	0	0	0	0	0	0	0	0	0	0	0
Munabao	36 7	..	48·0	28	..	..	..	..	0	0	..	0	..	0	..	12·8	8·3	..	0	0	0	0	0	0	0	0	0	0	0
Rajasthan (East)																													
Pilani	33·3	..	39·0	30	16·4	..	9·0	2	2 8	8·2	..	4·0	2	2	..	14 0	10·0	..	0	3	0	0	0	0	0	0	0	0	0
Sikar	33·2	..	39·1	30	16·8	..	8·0	2	6·7	2·7	..	2·0	1	0	..	7·9	5·0	..	0	2	0	0	0	0	0	0	0	0	0
Alwar	34 7	..	39·6	30	21·8	..	11·2	2	0	3·8	..	3·8	19	1	..	5·4	3·7	..	0	1	0	0	3	0	0	0	0	0	0
Jaipur (Sanganer)	34·1	−2·5	38 9	30	20·1	−0·3	11 4	2	2·6	5·9	+1·6	3·0	19	1	+0·5	..	..	..	0	3	0	0	3	0	0	0	0	0	0
Dholpur	36 6	..	40 8	30	20·0	..	11 7	3	0	0	..	0	..	0	..	10·0	6·0	..	0	0	0	0	0	0	0	0	0	0	0
Ajmer	34·3	−2·0	40 9	30	20 3	−1 6	11 7	2	1·4	2·2	−1·6	2·0	19	0	−0·4	11·2	8·0	+0·8	1	1	0	0	1	0	0	0	0	0	0
Tonk	36·1	.	40·7	30	24·2	..	15 4	2	0 8	2·2	..	0·8	12, 19	0	..	10·6	8·6	..	0	3	0	0	0	0	0	0	0	0	0
Bhilwara	35 4	..	41 0	30	19·6	..	11·8	2	0	2·0	..	1·2	1	0	−0·5	9·7	7·3	..	0	2	0	0	0	0	0	0	0	0	0
Kota (Aerodrome)	36·9	−1·8	41 8	30	25·5	+1 2	17 0	2	1·4	1 4	−3·9	1·4	13	0	..	6·5	3·9	−0·4	0	1	0	0	1	0	0	0	0	0	0
Kota	36·6	..	41·2	30	22·5	.	15 4	2	0·2	0·2	..	0·2	13	0	..	12·6	10·4	..	1	0	0	0	2	0	0	0	0	0	0
Erinpura (Jawai Dam).	36 4	..	41·6	30	20·8	.	12·8	2	0	2·7	..	1·9	1	0	..	4·4	3·4	..	0	2	0	0	0	0	0	0	0	0	0
Chambal (Rawat Bhata Dam).	36·5	..	41·5	30	22·5	..	16·2	3	0	0·9	..	0·7	1	0	..	11·0	7·4	..	1	1	0	0	1	0	0	0	0	0	0
Udaipur	34 9	−1·6	39·6	30	19·7	−2·1	12 8	2	0	0·6	−2·2	0.4	12	0	−0·2	5·9	3·6	..	1	1	0	0	3	0	0	0	0	0	0
Jhalawar	37 7	+0·4	43·0	30	22 8	+1·6	15 2	3	0	0	−6 0	0	..	0	−0·5	9·0	6·9	+1 3	0	0	0	0	0	0	0	0	0	0	0
Banswara	38·6	..	42·8	29	14·0	..	8 8	3	0	1·1	..	1·1	1	0	..	10·7	7·5	..	0	1	0	0	1	0	0	0	0	0	0
Madhya Pradesh (West)																													
Gwalior	36 4	−2·7	41·7	30	20 8	−2·5	13 8	3	0·1	2·6	−2·5	1·7	2	0	−0·6	14·4	8·9	..	0	3	0	1	2	0	0	0	0	0	0
Sheopur	37·0	−1 8	41·0	30	20 7	−0 6	13 0	3	1·0	2·2	+2·6	1·2	1	0	−0·2	11·7	8·0	+0 8	0	2	0	0	2	0	1	0	0	0	0
Shivpuri	35·5	..	40 3	30	17 9	..	9 5	3	0 6	3·6	..	2·0	1	0	..	8·2	6·7	..	0	2	0	0	0	0	0	0	0	0	0
Nowgong	37 3	−1 5	41·1	25	19 3	−1·9	12 7	3	6 0	21·2	−16·3	12·2	20	2	+1·7	9·4	5·6	−1·9	0	3	0	0	5	0	3	0	0	0	0
Guna	36·8	−0·8	41 6	30	20 0	+0·6	13 3	3	0	0·6	−6·8	0·6	13	0	−0 5	14·3	9·4	..	0	1	0	0	4	0	0	0	0	0	0
Nimach	35 8	−1 5	41 0	30	21 8	+0·2	14 1	2	0	2 0	−1 1	1 4	1	0	−0·3	11·6	9·0	+0·5	0	2	0	0	2	0	0	0	0	0	0
Rajgarh	38·3	..	42·2	30	20 6	..	12·3	3	0	1·4	..	1·4	13	0	..	11·3	8·1	..	0	1	0	0	0	0	0	0	0	0	0
Sagar	36·4	−1·3	40·5	30	22·2	−0·6	12 9	4	0 8	5·6	+0·3	2·0	19, 20	0	−0·5	9·8	9·0	..	0	4	0	0	2	0	0	0	0	0	0
Ratlam	37·5	−0·3	41·6	30	21·3	−1·4	14·7	2	0	0·3	−1·9	0·3	1	0	−0·2	11·3	8·8	+0·3	0	1	0	0	1	0	0	0	0	1	0
Bhopal (Bairagarh)	37·4	+0·1	40 8	30	21·4	−0·2	14·3	3	0	0	−3·6	0	..	0	−0·7	14·1	11·8	+0·9	0	0	0	0	1	0	0	0	0	1	0

(f) Departure indicated relates to 1940 normals adopted provisionally. (R)—Register not received. (f) Mean of 25 days.

Sub-Division and Station	Air Temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation 0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Madhya Pradesh (West)— *Contd.*																													
Ujjain . .	37·4	..	41·5	30	19·1	..	13·9	2	0	0	..	0	..	0	..	11·4	8·4	..	0	0	0	0	0	0	0	0	0	0	0
Narsinghpur .	38·6	..	42·4	30	19·3	..	10·8	4	0	6·0	..	5.0	19	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0	0
Hoshangabad	39 3	+0·5	42·9	30	24·2	+1·1	15·8	3	0	1.8	—1·5	1.8	2	0	—0·3	7·6	6·0	+2·0	0	1	0	0	0	0	0	0	0	0	0
Indore . .	37·0	—1·3	41·0	30	20·8	+0·8	13·1	3	0	0·1	—3·2	0.1	30	0	—0·3	13·6	12·2	..	1	0	0	0	1	0	0	0	0	0	0
Rajpur (Jhabua)	38·0	..	41·5	30	22·0	..	16.0	4	0	10.2	..	10.2	1	1	..	7·9	6·6	..	0	1	0	0	0	0	0	0	0	0	0
Chhindwara .	36·7	+0·2	40·0	11	21·4	—0·4	13·0	3	0	24.2	+13·2	16.4	30	3	+1·8	8·0	5·5	—1·1	1	4	0	0	6	0	0	0	0	0	0
Seoni . .	37·3	—0·2	40·6	30	21·7	+0·3	14·6	5	2.6	14·5	—0·7	4.4	20	4	+2·3	9·7	6·9	+1·4	0	5	0	0	5	0	0	0	0	0	0
Betul . .	37·1	0	40·0	29	20·5	—0·4	11.7	3	2·2	31.7	+22·9	24.6	30	2	+1·1	8·0	5·4	—0·3	0	4	0	0	4	0	1	0	0	0	0
Khandwa .	39·9	—0·3	43·6	30	23·4	—0.4	13·6	3	0	0	—2·8	0	..	0	—0·3	11·2	8.3	—0·1	0	0	0	0	0	0	0	0	0	0	0
Madhya Pradesh (East)																													
Satna . .	36.6	—1.5	42.5	30	20.4	—1.5	13.6	3	12.0	39.6	+32.5	22.6	14	4	+3.3	8.0	6.2	+0.2	1	4	0	0	5	0	0	0	0	0	0
Rewa . .	36·4	..	41·2	25	20·6	..	14·0	2	6.1	14·6	..	6·1	2	3	..	7·3	4·8	..	1	4	0	1	1	0	0	0	0	0	0
Sidhi . .	36·4	..	41·4	30	20·1	..	14·0	3,4	0	12·2	..	12.2	1	1	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Umaria. .	37·1	—0·1	41·4	30	20·2	—0·2	11·8	4	0	8·4	—3·3	4.4	14	2	+1·1	8·9	5·6	0·0	0	3	0	0	3	0	2	0	0	0	0
Jabalpur .	37·8	—0·3	42·0	30	20·8	+0·6	13·5	4	0	16.0	—7·9	10·4	1	3	+2·2	7·4	4 7	+0·8	0	3	0	0	5	0	0	0	0	0	0
Ambikapur .	34·6	—2·0	38·7	30	19·2	—1·1	12·2	4	11.4	43·0	+34·5	16.8	1	4	+3·0	..	..	..	0	4	0	0	4	1	0	0	0	0	0
Jasepur Nagar	32.5	..	37·7	29	17·8	..	11·1	1	8.5	41.8	..	20.4	1	3	..	10.1	6·0	..	0	3	0	1	0	0	0	0	0	0	0
Pendra . .	34 5	—0·7	39·5	30	21·6	—0·1	13·9	4	13·3	23·1	—1·5	14.0	2	2	—0·1	10·6	7·7	..	0	2	0	1	9	0	0	0	0	0	0
Mandla .	37 0	—0.9	41·2	30	19·4	+0·3	13·4	5	6·4	39.2	+25·3	29.0	1	2	+0·2	6·0	3·4	—0·4	0	4	0	0	6	1	0	0	0	0	0
Champa .	38 0	—1.8	42·9	30	22·6	—2·1	16·1	2	21·6	25.8	+16·0	22.2	2	2	+0·6	6·9	5·6	—1·0	0	2	0	1	1	0	0	0	0	0	0
Raigarh. .	38·1	—2·2	43·6	30	24·1	—1·3	17·4	2	16.4	30.2	+22·7	25.8	2	2	+1·3	6·3	4·8	—0·5	0	3	0	0	3	0	0	0	0	0	0
Raipur . .	38·1	—1·2	42·0	29,30	24·6	0	17·4	2	0	0·9	—15·4	0.9	19	0	—1·7	8·4	7.5	—0·7	0	1	0	0	3	1	0	0	0	0	0
Kanker .	36 8	—0·8	40·0	29	24·3	+1·4	16·8	4	3·7	4.1	—25·6	4.1	19	1	—1·3	9·2	6·8	+1.2	0	1	0	0	8	0	0	0	0	0	0
Jagdalpur .	36·5	—0·6	39.4	13	22.5	+0.4	18.3	4	4.0	18.3	—26.9	8.2	18	3	—0.5	6.7	5.2	..	0	5	0	0	11	0	0	0	0	4	0
Gujarat Region (Including Daman, Dadra and Nagar Haveli) . .																													
Deesa . .	37·2	..	41·4	29,30	..	..	..	..	0	0	..	0	..	0	..	11·4	8·0	..	0	0	0	0	0	0	0	0	0	0	0
Radhanpur .	37·6	..	40·9	29,30	21.7	..	16.5	2	0	0	..	0	..	0	..	10·3	7·1	..	0	0	0	0	0	0	0	0	0	0	0
Idar . .	37·7	..	42·0	29	23·2	..	16·5	3	0	1.0	..	1.0	12	0	..	10·4	9·1	..	0	1	0	0	1	0	0	0	0	0	0
Ahmedabad .	38·7	—2·1	42·3	29	23·0	+0·3	17·0	2	0	0.2	—1·1	0·2	18	0	—0.1	7·9	5.5	—2·4	1	0	0	0	2	0	0	0	0	0	0
Dohad . .	38·4	—0·1	43.0	21	23·2	—0.6	15·9	3	0	1.0	—0·5	1.0	1	0	—0·1	11·7	12·9	—5·1	0	1	0	0	1	0	0	0	0	0	0
Vallabh Vidyanagar .	38·7	..	42·9	11	22·0	..	16.2	2	0	0	..	0	..	0	..	9·4	7·2	..	0	0	0	0	0	0	0	0	0	0	0
Baroda Aerodrome .	38·9	..	42·0	11	22·1	..	15.7	3	0	0	..	0	..	0	..	7·1	6·1	..	0	0	0	0	0	0	0	0	0	0	0
Baroda . .	39·8	0	43·6	11	23·3	+1·6	18·1	3	0	0	—4·6	0	..	0	—0·1	1·7	0·8	—4·3	0	0	0	0	1	0	0	0	0	0	0
Broach . .	39·9	—0·1	43·0	28	23·3	—0·4	19·8	3,20	0	3.0	+1·2	3·0	18	1	+0.9	5·0	3·1	—5·0	0	1	0	0	1	0	0	0	0	0	0
Surat .	37·8	+0·5	41·0	11,29, 30	23·2	0	..	..	0	2.0	+1·2	2.0	18	0	—0·1	10·9	8·1	+1·3	0	1	0	0	1	0	0	0	0	0	0
Saurashtra and Kutch (Including Div) Naliya	33.4	..	39·6	30	18·8	..	14·4	3	0	0	..	0	..	0	..	18·0	12·8	..	0	0	0	0	0	2	0	0	0	0	0
Bhuj (Rudramata) .	36·4	—1·3	40·7	29	22 0	—0·2	16·8	2	0	6.2	+4.4	5·6	1	1	+0·9	13·2	11·5	—1·1	0	2	0	0	1	0	0	0	0	0	0
Kandla Aerodrome .	36·9	..	39·8	29	22·0	..	16.3	2	0	0	..	0	..	0	..	21·9	21·8	..	0	0	0	0	1	0	0	0	0	0	0
New Kandla .	33·9	..	38·8	30	22·6	..	18.6	2	0	0	..	0	..	0	..	17·5	17·2	..	0	0	0	0	0	0	0	0	0	0	
Mandvi .	31·5	—0·8	37·4	30	21·0	—1·3	18·3	12	0	0	0	0	..	0	0	30·8	24·1	+0·3	0	0	0	0	0	2	0	0	0	0	0
Surendranagar	37.9	—1·8	41·2	29	23·4	—0·1	18.8	2	0	0	—3·8	0	..	0	—0·3	12·3	12·6	—2·0	0	0	0	0	2	0	0	0	0		
Okha . .	28·5	..	30·1	27	23·7	..	21·5	3	0	0	..	0	..	0	..	24·2	24·8	..	0	0	0	0	2	0	0	0	0	0	0
Jamnagar Aerodrome .	33·8	—1·5	36·5	30	20·7	0	16.2	19	0	0	—0·5	0	..	0	0	..	..	..	0	0	0	0	0	1	0	0	0	0	0
Dwarka .	28·7	—0·8	30 7	15	24 1	—0·6	22·0	2	0	0.7	—0·1	0·7	11	0	0	17·3	17·5	+2·1	0	1	0	0	0	0	0	0	0	0	0
Rajkot . .	36·9	—2·0	40·6	29	20 7	—0·3	15·9	19	0	0.2	—0 8	0·2	18	0	—0·1	19·5	18·1	—1·6	1	0	0	0	1	1	0	0	0	0	0
Bhaunagar Aerodrome .	37·3	—0 2	41 8	30	23·7	—0·2	19·4	2	0	0	—2·5	0	..	0	—0·3	21.5	18·3	+2·7	0	0	0	0	2	0	0	0	0	0	0
Porbander Aerodrome .	33·4	+1·1	39·2	30	21.5	—1·8	16·8	19	0.4	0.4	0	0·4	17	0	0	21·7	15·7	..	0	1	0		0	0	0	0	0	0	0
Keshod . .	37·3	..	40·5	30	20·3	..	16·0	19	0	0	..	0	..	0	..	21·4	17·9	..	0	0	0	0	0	1	0	0	0	0	0
Mahuva .	36·6	..	42·5	30	21·8	..	16·6	24	0	0	..	0	..	0	..	15·1	10·8	..	0	0	0	0	1	0	0	0	0	0	0
Veraval .	32·3	..	37·8	8	20·9	..	16·3	19	0	0	0	0	..	0	0	26·0	21·1	..	0	0	0	0	0	1	0	0	0	0	0

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (25 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2 mm)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20-b	21	22	23	24	25	26	27	28	29
Konkan																													
(Including Goa)																													
Dahanu	31.7	−0.2	36.1	30	24.0	−0.2	20.8	4	0	0	−7.2	0	..	0	−0.3	(c) 22.4	(c) 15.7	+1.1	0	0	0	0	0	0	0	0	0	0	0
Bombay (Santacruz)	33.6	+1.5	37.4	29	23.6	+1.2	20.7	3	0	0·2	−1.1	0.2	29	0	0	16.1	9.7	..	1	0	0	0	1	0	0	0	0	0	0
Bombay	31.7	0	33.9	11	24.8	+0.3	23.1	3,5	0	2·6	+1·8	2.6	29	1	+1·0	15.8	11.7	+0.3	1	1	0	0	1	0	0	0	0	0	0
Alibag	31.2	+0.3	34.8	14	23.8	−0.3	21.2	1	0	7·2	+6·9	6.1	17	1	+1.0	..	11.7	+0.8	0	2	0	0	4	0	0	0	0	0	0
Bhira	40.2	..	43.0	15	21.8	..	18.3	4	0	1·2	..	1.2	10	0	..	6.6	3·7	..	0	1	0	0	1	0	0	0	0	0	0
Harnai	29.5	−0.3	31.8	17	25.6	−0.1	23.1	3	0	0	−10.2	0	..	0	−0.6	21.9	17.7	+1.1	0	0	0	0	2	0	0	0	0	0	0
Ratnagiri	31.8	..	34.4	16	23.9	..	20.8	1	0	1.6	−0·9	1.4	16	0	−0.3	15.4	9.0	..	1	1	0	0	1	0	0	0	0	0	0
Devgarh	31.4	−0.5	32.6	17	25.7	−0.6	22.9	1	0	6·6	−1·0	3.8	16	2	+1.2	20.5	15.9	−0.4	0	2	0	0	2	0	0	0	0	0	0
Vengurla	32.1	−0.5	33.6	23	23.9	−0.8	20.4	3	0	2·7	−6.0	1.7	15	0	−0.8	..	..	..	0	2	0	0	4	0	0	0	0	0	0
Panjim	32.2	..	33.7	29	24.9	..	21.7	1	1·0	26.4	..	26.4	17	1	..	(c) 15.4	(c) 10.1	..	0	1	0	0	4	0	0	0	0	0	0
Mormagao	30.9	..	32.5	18,30	25.7	..	23.0	1	0	0	..	0	..	0	..	17.3	14.5	..	0	0	0	0	5	0	0	0	0	0	0
Dabolin (Naval Air Station)	31·5	..	32.8	24	25.9	..	22.7	1,3	0	1.0	..	1.0	15	0	..	13.6	9.8	..	0	1	0	0	4	0	0	0	0	0	0
Madhya Maharashtra																													
Nandurbar	39.7	..	43.6	30	24.7	..	18.6	3	0	0	..	0	..	0	..	6.8	6.8	..	0	0	0	0	0	0	0	0	0	0	0
Jalgaon	41.2	+0.1	45.7	11	24.3	0	15.4	3,4	0	0	−2.1	0	..	0	−0.2	12.9	12.2	−0.9	0	0	0	0	3	0	0	0	0	0	0
Malegaon	39.2	−0.4	42.0	30	21.9	+0.3	14.6	3	0	0	−3.1	0	..	0	−0.3	10.4	9.6	−0.5	0	0	0	0	0	0	0	0	0	0	0
Ozar	38.2	..	..	..	..	..	..	..	0(i)	2.2(i)	..	..	..	..	..	(h) 12.9	(i) 14.6	..	..	..	0	0	4	0	0	0	0	0	0
Deolali (Aerodrome)	37.8	..	41.3	30	20.7	..	14.2	3	4.6	0	..	0	..	0	..	9.7	8.9	..	0	0	0	0	6	0	0	0	0	0	0
Ahmednagar	38.4	+0·5	41.4	29	21.4	+0.4	15.5	1	0	15.6	+5.4	7.1	19	3	+1.9	11.2	8.7	−1.1	0	4	0	0	0	0	0	0	0	0	0
Khandala	..	..	..	..	..	..	..	..	..	2.0	−5.9	2.0	13	0	−0.7	..	..	..	0	1	..	..	..	..	..	..	..	..	..
Poona (Aerodrome)	37.2	..	40.3	29	21.2	..	15.8	2	13.2	7.2	..	2.8	10	1	..	..	..	..	0	4	0	0	8	0	0	0	0	1	0
Poona	37.3	+0.4	41.2	29	20.1	+0.4	15.4	3	0.6	32.8	+17.8	17.8	11	3	+1.7	8.2	6.4	..	0	5	0	0	7	0	0	0	0	3	0
Jeur	38.7	−0.2	40.8	25	22.2	−0.6	14.5	1	0	9.2	−6.3	5.4	29	2	+0.5	9.9	8.9	−0.7	0	2	0	0	8	0	0	0	0	0	0
Baramati	37.9	−0.9	41.5	29	21·8	−0.5	15.6	1	0	0	−7.2		..	0	−0.6	0.6	9.6	−0.8	0	0	0	0	2	0	1	0	0	0	0
Sholapur	38.0	−1.7	40.4	12,27	24·4	+0.3	19.4	1	0	..	..	..	..	..	..	..	8.6	−1.7	..	..	0	0	7	0	0	0	0	0	0
Miraj	37.3	0	39.4	28	21·2	+0.1	15·7	1	0	32.2	−20.3	12.0	19	4	+0.9	9.8	..	..	0	5	0	0	8	0	0	0	0	0	0
Kolhapur	37.4	−0.6	40.3	28	21.1	−0 2	16.0	1	3.0	41.2	+7.9	17.6	9	3	+0.2	12.9	11.7	−1.4	0	3	0	0	5	0	0	0	0	0	0
Marathwada																													
Aurangabad	38.2	−0.3	41.2	29	24.0	+0.8	17.8	2	0	1.2	−4.9	0.8	18	0	−0 6	9.4	10·5	−1.6	0	2	0	0	4	0	0	0	0	0	0
Aurangabad (Chikalthan)	37.9	..	40.6	29	22·4	..	14·4	3	0	0.8	..	0.4	29, 30	0	..	10.1	9.6	..	0	2	0	0	6	0	0	0	0	0	0
Parbhani	39.0	−0.8	42.4	28	23.7	−0·3	18·0	3	0	15.8	+5.5	9.8	16	2	+0.7	8.9	7.3	−1.6	0	4	0	0	3	0	0	0	0	0	0
Nander	39.7	..	43.2	27	23.5	..	16.0	3	0	11.2	..	6.9	19	2	..	8.2	5.9	..	0	3	0	0	0	0	0	0	0	0	0
Bir	38.6	..	41·4	29	21.8	..	14.5	1	19.5	41.4	..	11.4	14	4	..	7.7	5.2	..	0	6	0	0	2	0	0	0	0	0	0
Vidharbha																													
Gondia	38·5	−0.7	42·3	2	24.2	−0.3	17.2	4	10.0	22.7	+10.2	10.0	28	3	+1.6	6.6	4.6	−0.2	0	3	0	0	2	0	0	0	0	0	0
Nagpur (Sonegaon)	39.0	−1.2	42.3	26	22.7	−0.4	15.7	3	0.6	15.8	+0.6	6.8	18	3	+1.7	10.6	9.8	.	1	5	0	1	8	0	0	0	0	4	0
Amraoti	39.5	−0.7	42.8	12	23.6	−1.1	16.6	2	0	14.8	+6.2	4.4	14	4	+3.2	12.4	10.8	+3.4	0	4	0	0	3	0	0	0	0	0	0
Akola Aerodrome	40.3	..	42.9	12	22.5	..	14.8	3	0	3.3	..	2.2	29	0	..	10.1	8.6	..	0	2	0	0	8	0	0	0	0	0	0
Akola	40.3	−0.5	43.4	29	23.2	−0.6	15.8	3	0.7	7.9	+2.8	5.5	19	1	+0.5	8.5	6·8	−0.4	0	2	0	0	4	0	0	0	0	0	0
Bramhapuri	39.2	..	42.8	26	..	..	..	..	0	13.6	..	12.8	18	1	..	8.9	7.2	..	0	2	0	0	1	0	0	0	0	0	0
Buldana	37.0	−0.1	39.8	29	3.8	−1.3	18.9	1	0	1·2	−7.7	1.2	19	0	−0.9	9.2	9.3	−1.5	0	1	0	0	3	0	0	0	0	0	0
Yeotmal	38.4	−1.0	41.8	12	23·3	−1.9	18.2	16	0	57.3	+41.1	25.5	16	4	+2.6	11.9	11.3	−0.3	0	6	0	4	3	0	0	0	0	0	0
Chanda	39·4	−1.4	42.9	12	25·0	+0.6	16.9	3	0	44.6	+24.8	29.8	18	2	+0.2	9.2	6.8	+2.1	0	3	0	0	8	0	0	0	0	0	0
Pusad	39.6	..	43.0	12	23.0	..	16.6	4	0	14.9	..	8.7	14	2	..	8.7	6.8	..	0	3	0	0	0	0	0	0	0	0	0
Sironcha	38.2	−1.7	41.6	26	25.5	−1.2	20.2	30	16.0	22.0	+5.2	14.8	2	2	+0.7	10.3	6.8	+0.4	0	4	0	0	4	0	0	0	0	0	0
Coastal Andhra Pradesh																													
Kalingapatam	32.7	−0.9	34.4	21,22, 24	24.9	−0.8	21.7	3	4.0	18.8	−0.5	9.4	1	3	+1.5	20.6	14.9	+1.5	0	3	0	0	0	0	0	0	0	0	0
Vishakhapatnam	35.3	−0.6	38.9	23	25.2	−0.1	20.7	21	27·3	32·2	+14.2	19.9	21	3	+1.7	..	..	..	0	6	0	0	5	0	0	0	0	2	0
Kakinada	35.9	+0.3	37.5	30	24.8	−1.0	21.4	21	15.4	34.6	+18.3	23.0	21	4	+3.0	8.9	6.1	−2.1	0	4	0	0	2	0	1	0	0	0	0
Nidadavole	34.9	..	38.8	15	24.6	..	22.6	21	6.7	12.9	..	6.9	21	2	..	7.1	5 0	..	0	3	0	0	4	0	0	0	0	0	0
Rentachintala	38.8	+0.2	41.4	26	25.8	−0.4	23.2	1	0	6.0	−24.2	6.0	1	1	−1.7	8.0	8.0	−2.6	0	1	0	0	0	0	0	0	0	0	0
Gannavaram	35.7	−2.1	37.6	29,30	24.8	−0.8	23.0	21	12.4	41·8	+27.0	20.6	3	3	+2 3	16.1	11.4	−1.6	0	4	0	0	4	0	0	0	0	0	0
Nagarunkond (R)																													
Masulipatam	33.1	−1.5	36.0	30	23.0	−2.4	20.3	21	4.0	11.4	−6.1	7.4	21	2	+1.1	4.9	2.9	−6.4	0	2	0	0	4	0	0	0	0	0	0
Ongole (R)	35.7	..	37.6	12,21	25.5	..	23.4	10,12	0	36.6	..	36.6	21	1	..	15.8	10.8	..	0	1	0	0	0	0	0	0	0	0	0
Nellore	36.1	−1.3	37.8	8,20	25.1	−0.1	22.0	21	0.4	21.9	+9.7	21.5	21	1	+0.4	12.7	10.6	+1.6	0	2	0	0	1	0	0	0	0	0	0

(R) Register not received. (i) Total or Mean of 22 days. (c) Mean of 28 days. (c) Mean of 26 days. (h) Mean of 23 days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed Km. per hour			Weather phenomena—No. of days with										
	Mean Maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Telangana																													
Ramgundam	38·6	—1·7	42·2	23	23·7	—3·0	19·3	21	6·8	6·8	—3·1	4·8	21	1	+0·3	6·1	5·2	—2·7	0	2	0	0	1	0	0	0	0	0	0
Nizamabad (R)																													
Hanamkonda	37.3	—0·9	41.1	26	23.7	—1.4	20·4	21	5·0	5·8	—17·3	5·0	21	1	—0·6	11.2	9·9	+0·4	0	2	0	0	4	0	0	0	0	0	0
Hakimpet (Aerodrome)	35.9	..	39.6	26	23.1	..	20.3	1	1·3	2·6	..	2·6	21	1	..	..	..	..	0	1	0	0	6	0	0	0	0	2	0
Bhadrachalam	37.8	—1.5	40.6	23	25.3	—0·4	22.4	2	27·0	43·2	+20·3	22·0	5	3	+1.4	7.3	7·3	—2·3	0	4	0	0	1	0	0	0	0	0	0
Hyderabad (Begampet)	36·7	—0·4	39·7	26	22·2	—1·5	17·8	3	1·2	2·2	—27·5	1·0	21	0	—1·9	13·8	10·0	—0·5	0	4	0	0	6	0	0	0	0	0	0
Khammam	37·1	..	40·3	23	25·2	..	23·5	2	0	51·0	..	28·0	1	2	..	6·5	7·0	..	0	2	0	0	1	0	2	0	0	0	0
Mahbubnagar	36·9	..	39·6	27	23·8	..	20·9	1	2·6	7·6	..	5·0	21	2	...	8·7	7·4	..	0	2	0	0	4	0	0	0	0	0	0
Rayalaseema																													
Kurnool	38·4	—1·4	41·2	26	24·8	—1·3	21·0	3	6·2	14·2	—2·8	6·0	5	2	+0·5	7·9	7·1	—0·5	0	4	0	0	0	0	0	0	0	0	0
Nandyal (R)																													
Anantapur	37·9	—0·6	40·6	13	24·9	—0·7	21·7	21	0	17·7	+1·6	15·9	21	1	—0·2	10·3	10·5	+0·2	0	3	0	0	5	0	0	0	0	0	0
Cuddapah	38·9	—1·5	41·1	13	26·1	—1·1	21·1	21	0	33·2	+18·7	33·2	21	1	—0·1	3·3	2·9	—8·4	0	1	0	0	0	0	0	0	0	0	0
Arogyavaram	33·9	..	36·6	12	19·8	..	17·6	1	12·0	38·4	..	17·0	21	3	..	10·1	8·3	..	0	4	0	0	0	0	0	0	0	0	0
Madras State (including pondicherry)																													
Madras	32·7	..	34·0	23	25·1	..	22·4	21	3·8	32·2	..	23·6	16	3	..	10·5	8·1	..	1	5	0	0	1	0	0	0	0	0	0
Madras (Minambakkam)	33·7	—1·6	35·5	25,30	25·2	—0·4	22·2	21	3·5	44·3	+28·8	25·6	1	4	+3·1	16·1	11·2	—0·2	0	6	0	0	2	0	0	0	0	2	0
Vellore	35·4	—1·7	37·4	3, 4	23·3	—1·3	20·7	9,10	35·9	73·0	+47·6	36·7	22	5	+3·5	9·3	9·1	+3·1	0	6	0	0	2	0	0	0	0	0	0
Tambaram (Aerodrome)	34·7	..	37·0	30	24·7	..	21·9	11	44.0	125·1	..	78·6	1	3	..	..	..	..	0	5	0	0	5	0	0	0	0	0	0
Tiruppattur	35·7	..	37·5	15	22·0	..	18·1	12	0	22·5	..	22·5	20	1	..	5·7	4·6	..	0	1	0	0	0	0	0	0	0	0	0
Mettur Dam R.S.	36·3	..	37·8	5,23,28	24·0	..	21·1	6	44·4	73·6	..	40·6	4	4	..	10·5	8·6	..	0	4	0	0	2	0	0	0	0	0	0
Cuddalore	32·6	—0·8	34·8	4	24·9	—0·5	21·1	11	8·2	20·5	—4·4	8·2	22	3	+1·9	14·9	11·1	+2·9	0	4	0	0	1	0	0	0	0	0	0
Kallakkurichchi	36·3	..	38·7	28	24·1	..	20·5	1	2·2	39·0	+4·5	34·2	1	2	+0·3	8·0	6·4	..	0	4	0	0	8	0	0	0	0	0	0
Salem	35·5	—2·4	37·8	12	24·3	—0·4	21·9	6	21·8	62·7	+13·7	21·3	20	5	+1·4	8·4	8·6	+2·3	0	7	0	0	11	0	0	0	0	0	0
Coimbatore (Pilamedu)	34·8	..	37·6	13	21·9	..	20·0	6,12	82·6	103·4	..	37·8	19	5	..	12·7	12·2	..	0	6	0	0	13	1	0	0	0	4	0
Coimbatore	34·9	—0·9	37·1	13	22·0	—1·1	19·5	6	..	44·1	+4·0	16·2	5	6	+2·8	..	6·4	+2·2	0	7	0	0	6	0	0	0	0	0	0
Nagappatinam	31·6	—1·7	34·8	4	25·9	—0·6	23·1	16	86·4	92·2	+64·0	35·0	16	5	+3·7	15·4	13·1	+3·0	0	6	0	0	6	0	0	0	0	0	0
Tiruchchirappalli	35·7	—2·1	37·3	12	25·1	—0·5	22·8	8	29·3	61·6	+15·9	29·0	16	3	+1·0	10·7	10·5	+1·6	0	5	0	0	8		0	0	0	0	0
Vedaranniyam	34·1	..	35·4	4	26·0	..	22·7	16	40·3	99 0	..	54·5	20	4	..	6·4	4·4	..	0	4	0	0	0	0	0	0	0	0	0
Atirampattinam	33·1	..	35·4	15	25·8	..	22·6	12	23·6	27·4	..	16·2	17	3	..	16·0	12·3	..	0	3	0	0	0	0	0	0	0	0	0
Madurai	36·0	—0·6	37·0	1	24·4	—0·4	22·6	16,17	..	30·6	—24·3	16·8	16	3	—0·1	..	(b) 4·8	+0·1	0	3	0	0	4	0	0	0	0	0	0
Madurai (Aerodrome)	35·5	..	37·4	15	24·4	..	22·5	15	18·4	61·5	..	41·6	19	4	..	9·9	8·3	..	0	4	0	0	8	0	0	0	0	0	0
Tondi	31·6	..	32·8	27	26·5	..	23·8	17	17·4	58·9	..	19·6	16	5	..	17·1	16·3	..	0	6	0	0	12	0	0	0	0	0	0
Pamban	32·6	—0·2	34·4	15	26·2	—0·3	21·7	1	39·6	61·8	+15·1	23·2	16	5	+1·8	14·1	10·8	+1·0	0	5	0	0	1	0	0	0	0	0	0
Tuticorin	31·2	—0·7	33·2	21	25·3	—1·2	22·9	17	30·6	105·0	+39·6	45·6	17	3	—0·8	19·4	14·2	+0·6	0	3	0	0	2	0	0	0	0	0	0
Palayankottai	36·5	+1·1	38·6	1	24·8	—1·1	22·1	17	45·0	78·1	+7·3	33·1	17	3	—0·9	8·3	6·1	—1·0	0	4	0	0	4	0	0	0	0	0	0
Kanniyakumari	32·2	..	33·1	24	25·5	..	24·5	10	0	30·3	..	7·2	24	5	..	15·9	12·1	..	0	6	0	0	0	0	0	0	0	0	0
Coastal Mysore																													
Karwar	31·9	+0·3	33·6	17	25·2	—0·1	20·6	3	0	0	—16·8	0	..	0	—1·0	17·0	12·2	..	0	0	0	0	0	0	0	0	0	0	0
Honavar	32·2	—0·5	33·6	30	24·2	—1.1	20·9	3,12	0	0·5	—15·2	0·5	30	0	—1·2	..	..	..	0	1	0	0	3	0	0	0	0	0	0
Mangalore (Bajpe)	33·5	..	35·1	16	24·8	..	22·2	4	0	4·3	..	4·0	18	1	..	12·5	8·0	..	0	2	0	0	5	0	0	0	0	0	0
Mangalore	32·9	0	34·2	20.21, 22	26·3	+0·5	23·0	4	0	3·8	—35·1	3·8	29	1	—1·3	13·0	9·7	+1·7	0	1	0	0	2	0	0	0	0	0	0
Interior Mysore North																													
Bidar	36·3	—0·8	39·0	27	23·9	—0·5	20·4	4	7·0	9·3	—16·1	7·0	21	1	—1·1	13·5	12·4	+2·1	0	4	0	0	0	0	0	0	0	0	0
Gulbarga	38·6	—1·1	41·2	27	24·7	+0·1	18·2	3	0	3·8	—17·3	3·8	18	1	—1·1	13·4	19·2	—0·1	0	1	0	0	3	0	1	0	0	0	0
Bijapur	38·3	+0·1	41·0	26,27	24·1	+0·5	19·0	1	5·2	9.4	—12·2	6·2	18	1	—0·8	6·0	5·8	—1·6	0	3	0	0	0	0	0	0	0	0	0
Raichur	38·1	—1·1	40·5	27	25·7	—0·3	20·8	19	8·0	65·4	+40·1	52·0	19	2	+0·6	9·9	10·5	+0·8	0	3	0	0	3	0	0	0	0	0	0
Belgaum	35·3	—1·0	37·4	14	19·9	+0·3	14·6	3	44·8	36·2	—8·3	20·6	16	2	—1·3	6·1	3·5	—4·3	0	4	0	0	5	0	0	0	0	0	0
Belgaum (Samra)	35·1	..	37·2	28	20·1	..	14·7	3	35·8	28·2	..	20·4	16	2	..	9·9	7·9	..	0	3	0	0	8	1	0	0	0	0	0
Gadag	37·1	0	39·2	27	22·2	—0·2	17·9	2	11·2	11·2	—25·9	10·0	21	1	—1·8	8.4	8·8	—1·0	0	2	0	0	6	1	0	0	0	0	0

(R) Register not received.

(b) Mean of 29 days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed kms. per hour			Weather phenomena No.—of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0.2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Interior Mysore Sough																														
Bellary	39·1	—0·2	42·3	13	25·1	—0·1	22·1	10	0	0	—21·3	0	..	0	—1·9	8·1	6·6	+0·3	0	0	0	0	0	0	0	0	0	0	0
Chitradurga	35·6	—0·7	37·6	4 days	22·9	+0·2	19·3	2	4·2	10·4	—14·2	10·4	20	1	—1·0	7·2	6.1	—0·8	0	1	0	0	2	0	0	0	0	0	0
Shimoga	35·0	—0·7	37·6	11	20·3	—1·9	16·9	4	5·9	0	—53·0	0	..	0	—3·9	7·2	4·1	—1·2	0	0	0	0	0	4	0	0	0	0	0
Agumbe	30·5	..	32·4	25	18·5	..	14·4	1	..	2·0	..	1·6	30	0	..	..	2·9	..	0	2	0	0	0	0	0	0	0	0	0
Baichonnur	32·7	+2·0	36·0	12	18·5	—0·4	15·0	11	..	42·6	—47·6	16·8	9	4	—2·5	..	..	..	0	5	0	0	2	0	0	0	0	0	0
Hassan	33·4	—0·2	35·5	27	19·3	—0·3	16·1	2	11·0	58·4	+2·5	25·0	6	3	—1·2	6·5	5·8	—0·5	0	4	0	0	7	0	0	0	0	0	0
Bangalore	32·6	—1·0	35·0	26	20·6	0	18·4	10,11	8·1	31·2	—9·7	20·3	20	2	—0·6	10·2	8·4	+1·5	1	4	0	0	4	0	0	0	0	0	0
Bangalore (Aerodrome)	32·6	..	35·6	26	19·9	..	17·3	16	30·6	56·5	..	30·8	6	3	..	..	..	..	1	3	0	0	4	0	0	0	0	0	0
Mysore	33·5	—1·3	36·0	27	21·2	—0·1	19·1	11	4·0	32·0	—26·4	27·0	6	2	—2·6	10·8	8·7	+1·0	0	3	0	0	0	0	0	0	0	0	0
Kerala																														
Calicut	32·8	0	34·4	29	25·6	—0·2	23·6	30	0	20·8	—70·1	8·5	30	3	—1·2	14·4	12·2	+1·4	0	5	0	0	5	0	0	0	0	0	0
Palghat	36·6	..	40·2	13	24·6	..	21·8	6	33·2	83·3	..	51·4	29	4	..	10·4	8·4	..	0	7	0	0	11	0	0	0	0	0	0
Fort Cochin	31·8	+0·4	33·0	9	25·3	—0·6	21·4	17	6·7	201·2	+75·7	107·3	17	6	—0·7	14·6	10·6	+2·1	0	7	0	0	10	0	0	0	0	0	0
Cochin (Naval Air Station)	32·5	..	33·9	15	24·9	..	21·7	17	4·3	174·1	..	70·9	18	8	..	11·9	8·6	..	0	11	0	0	16	0	0	0	0	2	0
Alleppey	33·1	+0·5	34·1	14	25·6	—0·1	22·5	16	0	42·6	—120·1	14·2	24	4	—4·5	17·1	12·4	+0·3	0	8	0	0	10	0	0	0	0	0	0
Punalur	35·3	..	38·5	12,13, 15	23·3	..	21.4	6	126·0	277.2	..	51·2	27	12	..	5·0	(b) 3·3	..	0	13	0	0	0	0	0	0	0	0	0
Trivandrum	32·3	0	34·3	12	24·5	—0·6	22·3	15,27	27·5	133·8	+18·2	47·4	2	7	+0·1	10·1	6·8	—0·1	0	14	0	0	19	0	0	0	0	1	0
Trivandrum (Aerodrome)	32·1	..	33·6	14,25	24·8	..	20·7	15	..	172·6	..	45·4	15	8	..	..	3·3	..	0	12	0	0	16	0	0	0	0	0	0
Arabian Sea Islands																														
Amini	32.7	—0·4	33·6	21	26·3	—0·4	24·2	29	0	4·2	—25·0	4·2	29	1	—0·6	13·1	13·7	+4·5	0	1	0	0	0	0	0	0	0	0	0
Minicoy	31·5	+0·7	32·1	5 days	25·5	—0·9	22·8	15	15·7	63·8	+5·4	27·2	29	4	+0·5	9·3	6·7	—2·6	0	6	0	0	6	0	0	0	0	0	0
Hill Stations excluding Kashmir																														
Dalhousie	18·5	—4·3	25·0	17,30	7·0	—4·9	1·0	1,2,3,	72·0	392·0	+313·2	97·0	1	13	+8·1	3·6	5·9	—0·4	0	13	0	6	4	0	0	0	0	0	0
Dharamsala	22·8	—3·3	27·9	30	13·0	—3·8	7·8	2,3	51·6	149·2	+102·2	33·4	25	9	+5·7	8·0	3·0	—3·3	1	13	0	0	8	0	0	0	0	0	0
Simla	13·3	—5·5	20·0	30	..	..	..	..	38·8	87·0	+41·0	18·0	13	9	+4·9	2·8	2·7	—0·1	0	13	1	0	7	0	0	0	0	0	0
Dharampur	..	..	..	..	..	..	..	..	..	53·6	+18·5	15·0	2	7	+4·4	..	..	..	0	11	..	..	..	..	..	..	..	..	..
Lokpal	—3·6	..	2·4	25	—10·1	..	—10·9	14	..	196·6	..	60·2	2	9	..	..	..	..	0	9	8	0	4	0	0	0	0	0	0
Badrinath	Closed during Winter Months																													
Joshimath	20·5	..	26·9	30	10·2	..	2·6	2	31·1	88·2	..	28·0	1	6	..	8·1	9·0	..	0	10	0	0	0	0	0	0	0	0	0
Mussoorie	19·0	—1·7	26·0	12	9·1	—2·5	—1·5	2	19·0	106·3	+72·5	47·0	1	6	+2·2	11·1	10·1	+1·7	0	6	2	1	5	0	0	0	0	0	0
Mukteswar (Kumaun)	19·0	—0·9	25·1	30	8·5	—1·7	—1·1	1,2	23·0	46·2	+10·4	15·8	1	7	+3·7	14·7	13·5	+2·7	0	9	2	0	4	1	0	0	0	0	0
Nainital	18·9	—2·3	25·0	17,19, 30	10·4	—1·7	0	3	8·5	72·0	+47·3	38·0	1	4	+2·0	10·4	8·6	+0·5	0	4	2	0	0	0	0	0	0	0	0
Kalimpong	23·6	+0·2	26·3	30	15·3	0	7·9	4	3·0	4·6	—64·7	2·5	3	1	—4·8	15·5	12·5	—0·2	0	3	0	0	0	0	0	0	0	0	0
Darjeeling	17·1	—0·2	22·7	30	..	..	..	..	30·4	63·4	—41·8	14·0	2	9	+1·5	3·7	3·2	—0·3	0	10	0	0	4	9	0	0	0	0	0
Kohima	23·1	..	28·1	27	14·9	..	8·9	3,4	(b) 23·4	(b) 112·9	..	..	..	..	..	..	(c) 5·7	..	..	..	0	0	0	1	0	0	0	0	0
Shillong	22·5	—0·9	27·4	29	13·4	—0·5	6·8	5,6	23·2	56·2	—73·3	14·6	14	8	—1·2	(b) 8·2	(b) 6·7	—1·7	0	9	0	0	1	0	0	0	0	0	0
Cherrapunji(R)																														
Abu	28.0	—1·1	32·9	30	16·1	—4·1	12·0	19	0·6	3·0	+0·2	2·4	18	0	—0·3	7·7	6·0	—3·5	0	2	0	0	2	0	0	0	0	0	0
Aijal	27·9	..	31·1	17	18·2	..	13·3	3	(b) 21·2	(c) 40·2	..	..	..	..	..	(d) 9·1	(g) 9·6	..	..	..	0	0	0	0	0	0	0	0	0
Pachmarhi	32·5	—0·8	35·3	29	18·9	—1·5	10·1	3	4·0	24·4	+15·0	11·0	20	3	+2·1	6·4	5·1	—1·7	0	4	0	0	5	0	0	0	0	0	0
Mahabaleshwar	30·2	+0·5	33·2	29	17·8	—1·1	12·7	2	60·6	81·2	+51·2	58·8	19	4	+2·5	11·5	12·3	+1·0	0	8	0	0	6	7	0	0	0	0	0
Mercara	29·5	+0·8	32·2	13	17·0	—0·7	14·0	2	31·0	31·8	—33·2	16·2	30	2	—3·1	9·9	7·9	+2·8	0	3	0	1	8	0	0	0	0	0	0
Ootacamund(R)																														
Coonoor (R)																														
Kodaikanal	19·4	—0·7	21·9	27	10·7	—1·0	8·7	15	140·5	205·4	+83·0	68·4	6	9	+1·3	10·6	10·3	—1·8	1	12	0	2	16	2	0	0	0	0	0
Nepal																														
Katmandu	26·8	..	32·4	30	10·5	..	2·6	3	5·1	37·5	..	12·2	13	4	..	1·8	1·4	..	0	8	0	0	6	1	0	0	0	0	0
Sikkim																														
Lachen	14·8	..	20·0	17	4·8	..	—0·3	3,4	..	111·1	..	18·0	2	13	..	..	..	..	0	18	0	0	0	0	0	0	0	0	0
Hydrometeorological Observatories Damodar Catchment																														
Tilaiya	35·3	..	39·8	16	22·1	..	15·1		7·2	17·8	..	7·8	2	3	..	17·2	10·1	..	0	3	0	0	0	0	0	0	0	0	0
Hazaribagh	32·9	..	37·9	25	19·3	..	11·4	4	13·8	39·8	..	17·0	1	3	..	13·3	7·8	..	0	3	0	0	2	1	0	0	0	0	0

(c) Mean of 28 days. (R) Register not received. (d) Mean of 27 days. (b) Mean of 29 days. (g) Mean of 24 days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed, kms. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2 mm.)	Precipitation (0.3) mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Hydrometeorological Observatories—Damodar Catchment—*contd.*																													
Konar	35·7	..	39·5	25	20·3	..	14·6	1	18·0	41·2	..	20·0	2	3	..	15·9	9·8	..	0	3	0	0	0	0	0	0	0	0	0
Bokaro	37·1	..	41·9	25,30	17·9	..	11·9	5	4·3	29·8	..	15·5	1	3	..	9·0	5·0	..	0	3	0	0	0	0	0	0	0	0	0
Maithon	37·2		41·9	25	19·5	..	15·0	5	2·3	20·1	..	10·5	2	3	..	..	..	..	0	3	0	0	2	0	0	0	0	0	0
Ramgarh	36·7		41·1	25,30	..	..	..	..	16·8	35·3	..	17·8	2	2	..	5·1	2·9	..	1	2	0	0	0	0	0	0	0	0	0
Panchet Hills	36·6	..	41·8	25	22·7	..	16·8	4	4·8	14·3	..	9·0	2	2	..	6·7	4·5	..	0	3	0	0	0	0	0	0	0	0	0
Durgapur	37·1	..	41·8	30	23·0	..	15·8	2	0	18·3	..	17·1	2	1	..	10·7	9·1	..	0	3	0	0	0	0	0	0	0	0	0
Mahanadi Catchment																													
Ginabahar	35·9	..	40·5	30	19·1	..	13·5	5	..	35·4	..	18·4	1	2	..	..	..	..	1	4	0	0	4	0	0	0	0	0	0
Hirakud	37·0	..	41·0	30	24·2	..	18·9	2	0	35·2	..	17·5	2	3	..	4·4	2·7	..	1	5	0	0	5	0	0	0	0	1	0
Bhimkund	36·2	..	40·6	30	21·7	..	24·6	4	55·2	111·5	..	61·4	3	5	..	6·6	3·0	..	0	7	0	0	13	1	0	0	0	0	0
Sonepur	36·8	..	42·0	30	25·8	..	19·6	4	..	31·9	..	17·7	3	3	..	..	6·3	..	0	3	..	..	..	..	..	..	..	..	..
Khijrawan	36·9	..	41·1	13	22.4	..	12.3	5	0	0	..	0	..	0	..	11·5	7·3	..	0	0	0	0	0	0	0	0	0	0	0
Narmada Catchment																													
Bagra Tawa	39·5	..	43·4	30	22·1	..	13·4	3	0·4	2·3	..	2·0	20	0	..	7·6	5·0	..	0	2	0	2	0	0	0	0	0	0	0
Punasa (R)		..																											
Thikri	41·5	..	46·0	30	25·2	..	14·1	3	..	2·8	..	2·8	30	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0	0
Sabarmati Catchment																													
Daroi	37·8	..	42·2	29	22·6	..	17·8	1	0	0	..	0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..	..
Gandak Catchment																													
Jomosom	18·7	..	25·1	12	4·6	..	4·1	3	6·0	22·3	..	8·8	5	4	..	..	..	..	0	4	..	..	..	..	..	..	..	..	..
Khudi Bazar	28.1	..	33.1	27	(b) 17·1	..	11·1	4	35·8	160·6	..	35·8	14	10	..	..	..	..	0	11	..	..	..	..	..	..	..	..	..
Timure	24·0	..	29·4	30	..	..	..	..	12·8	42·4	..	12·0	3	5	..	..	..	..	0	9	..	..	..	..	..	..	..	..	..
Pokhara	29·0	..	34·2	30	16·6	..	7·3	3	14·2	34.4	..	11·9	1	5	..	7·1	6·7	..	1	7	0	0	12	0	2	0	0	0	0
Gorkha	27·1	..	31·6	27,29	17·6	..	8·4	3	42·9	108·6	..	33·8	14	7	..	..	..	..	0	10	0	1	9	2	0	0	1	0	0
Nuwakot	30.4	..	36.0	12	(c) 17.6	..	8.0	4	29·8	78·4	..	27·0	11	7	..	..	..	..	0	8	..	..	..	..	..	..	..	..	..
Ghaghara Catchment (Trans Himalayan Region)																													
Dailekh	25·5	..	30·5	19	11·3	..	4·2	4	20·0	45·2	..	17·4	3	4	..	..	..	..	0	4	..	..	..	..	..	..	..	..	..
Ghaghara Catchment																													
Dadeldhura	20·7	..	26·2	30	11·7	..	0·1	3	23·6	50·1	..	20·5	2	4	..	7·7	6·1	..	0	8	1	1	5	1	0	1	0	0	0
Sallyana	26·9	..	32·8	30	(d) 15·9	..	4·5	3	1·3	17·6	..	12·8	1	2	..	..	..	..	0	3	..	..	..	..	..	..	..	..	..
Butwal	35·3	..	41·4	26,29	22·0	..	14·4	4	0	22·6	..	17·0	1	2	..	..	..	..	0	2	..	..	..	..	..	..	..	..	..
Bagmati Catchment																													
Katmandu†																													
Kosi Catchment																													
Chautara	26·8	..	31·9	28,3	14.4	..	5.1	3	10·0	32·9	..	8·1	2	5	..	..	..	..	0	6	..	..	..	..	..	..	..	..	..
Walung Chung Gola	10.7	..	15.3	17	2·1	..	—5·3	4	0	50·0	..	16·0	2	6	..	..	..	..	0	10	..	..	..	..	..	..	..	..	..
Taplethok	25·9	..	30·7	27	13·8	..	7·3	4	9.0	88·8	..	40·6	13	6	..	..	..	..	0	11	..	..	..	..	..	..	..	..	..
Bhojpur	21·9	..	28·7	27	14·3	..	7·6	4	14·1	36·0	..	12·1	19	6	..	..	..	..	0	7	..	..	..	..	..	..	..	..	..
Taplejung	21·3	..	26·4	27	11·7	..	4·6	3	34·0	54·6	..	19·8	26	4	..	8·2	5·6	..	0	11	0	0	8	0	0	0	0	0	0
Okhaldhunga	21·5	..	26·0	20	12·4	..	6·0	4	11·6	67·2	..	46·5	19	5	..	7·8	6·1	..	0	8	0	3	6	0	2	0	0	0	0
Chainpur	..	..	..	..	..	..	..	..	5·0	28·3	..	9·0	7	5	..	..	..	..	0	7	..	..	..	..	..	..	..	..	..
Angbung	..	..	..	..	..	..	..	..	11·0	110·6	..	27·3	18	7	..	..	..	..	0	12	..	..	..	..	..	..	..	..	..
Barahakeshetra	33.0	..	39·4	27	20.5	..	14.9	5	2·8	50·4	..	44·8	13	2	..	8.5	5.2	..	0	4	0	1	8	0	0	0	0	0	0
Tista Catchment																													
Gangtok	20.9	..	24.2	17,28	11.2	..	3.2	4	63.9	217.8	..	50.5	17	11	..	4.2	4.3	..	1	19	0	1	10	3	0	0	0	0	0
Gezing	23.5	..	27.5	28	13.1	..	5.0	4	60·9	89·4	..	28·0	26	7	..	..	..	..	0	10	..	..	..	..	..	..	..	..	..

(b) Mean of 29 days. (c) Mean of 28 days. †Data included under Nepal. (d) Mean of 27 days. (R) Register not received.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (km. p.h.): 62 or more	Wind speed (km. p.h.): 20 to 61	Wind speed (km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bay Islands																											
Maya Bandar	0830	28	1011.4	1008.2	..	29.1	25.7	24.2	30.2	75	..	3.0	..	4.1	0	1	23	1	11	2	1	0	1	4	4	6	0
	1730	,,	1008.3	1005.2	..	28.3	25.4	24.1	30.0	78	..	3.9	..	6.3	0	0	26	0	6	6	1	1	1	4	7	4	0
Long Island	0830	25	1011.3	1008.5	..	29.6	25.6	23.8	29.5	71	..	4.6	..	2.4	0	0	20	0	1	5	3	0	2	6	3	10	0
	1730	,,	1008.3	1005.5	..	28.7	25.0	23.3	28.6	72	..	4.5	..	0.7	0	0	5	0	0	0	0	0	0	2	3	25	0
Port Blair	0530	79	1009.7	1000.7	..	24.7	23.7	23.2	28.4	91	..	3.0	..	3.5	0	0	20	1	0	5	0	0	5	4	5	10	0
	0830	,,	1011.4	1002.6	+0.7	31.1	25.6	23.1	28.3	63	−10	4.2	+0.5	9.1	0	0	28	5	9	7	2	0	0	1	4	2	0
	1130	,,	1010.1	1001.4	..	32.1	25.8	22.9	27.9	59	..	4.6	..	12.3	0	3	27	0	7	16	4	1	1	0	1	0	0
	1730	,,	1008.5	999.6	..	28.3	24.8	23.1	28.3	74	..	4.6	..	5.7	0	0	19	1	5	6	0	0	1	1	5	11	0
	2330	,,	1009.8	1000.8	..	25.8	24.2	23.5	28.9	88	..	2.7	..	4.1	0	2	13	1	1	6	0	0	0	2	5	15	0
Car Nicobar	0830	10	1011.0	1009.8	..	30.1	25.7	23.8	29.5	68	..	3.3	..	2.5	0	0	25	1	18	1	3	0	1	0	1	5	0
	1730	,,	1008.0	1006.9	..	29.1	25.5	23.9	29.7	74	..	3.3	..	1.4	0	0	15	0	13	0	1	0	1	0	0	15	0
Nancowry	0830	26	1010.9	1008.0	..	29.4	26.0	24.5	30.7	75	..	4.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1008.1	1005.2	..	28.6	25.7	24.5	30.7	79	..	4.3	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..
Kondul	0830	8	..	..	..	29.0	25.9	24.5	30.7	76	..	4.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	.	28 0	25.6	24.6	30·9	81	..	5.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Assam (Including NEFA)																											
Pasighat	0830	157	1010·6	992·7	..	22·2	19·1	17·2	19·6	71	..	5·6	..	13·7	0	9	19	3	3	1	0	0	2	0	19	2	0
	1730	,,	1006·8	989·1	..	24·1	21·0	19·3	22·4	75	..	6·0	..	5·1	0	2	18	2	1	0	2	0	5	1	9	10	0
Dibrugarh (Mohanbari)	0230	111	1007·9	995.1	..	19.8	18.5	17.7	20.4	89	..	6.0	..	4.1	0	0	14	0	8	5	0	0	0	1	0	16	0
	0530	,,	1008·5	995.7	..	19.1	18.2	17·6	20.4	91	..	5.8	..	4.4	0	0	18	1	10	5	1	0	0	0	1	12	0
	0830	,,	1010·2	997.5	−0.7	23.1	19.9	17.9	20.7	73	−5	5.2	+0·1	8.0	0	1	28	1	13	10	3	0	1	1	0	1	0
	1130	,,	1009·0	996.5	..	26.1	20.9	17·7	20.6	82	..	4·9	..	7.7	0	0	28	1	15	8	1	2	0	0	1	2	0
	1430	,,	1006·3	993.8	..	27.1	21.0	17·3	20.1	57	..	5.2	..	8·7	0	1	26	0	16	5	2	0	2	0	2	3	0
	1730	,,	1006·1	993.5	..	24.7	20.6	18·1	21.0	68	..	5.9	..	4.5	0	0	20	2	14	3	0	0	0	0	1	10	0
	2030	,,	1008·0	995.2	..	21.9	20.1	19·1	22.3	85	..	5·8	..	4·4	0	0	14	0	11	2	0	1	0	0	0	16	0
	2330	,,	1008·1	995.3	..	20.7	19.3	18·4	21.1	86	..	5·8	..	4 9	0	0	15	0	11	1	1	0	2	0	0	15	0
Digbal	0830	152	1011.3	993.7	..	21.8	18.5	16.4	18.6	72	..	2.4	..	3.6	0	0	29	4	5	9	0	4	3	3	1	1	0
	1730	,,	1008.1	990.8	..	26.1	20.4	16.9	19.3	57	..	3.5	..	3.9	0	0	27	3	4	7	1	3	3	5	1	3	0
North Lakhimpur	0830	102	1010·6	999.0	+0.2	24.0	20.5	18·5	21·3	72	−4	4.8	−0.5	5·7	0	0	26	4	13	3	3	1	1	1	0	4	0
	1130	,,	1009·5	997.9	..	26.5	21.5	18.7	21 6	63	..	4·9	..	7·6	0	0	29	2	6	9	10	2	0	0	0	1	0
	1430	,,	1006·7	995·2	..	27.6	21.5	18.0	20.6	57	..	5.0	..	6.5	0	0	28	2	9	10	0	3	3	1	0	2	0
	1730	,,	1006·6	995.0	..	24.9	21.6	19.9	23.2	75	..	6.0	..	3.6	0	1	15	7	8	1	0	0	0	0	0	14	0
Sibsagar	0830	97	1010·7	999.7	+0.3	24.1	21.3	19.7	22.9	77	−4	5.3	−0.7	4·0	0	0	26	11	10	1	0	1	3	0	0	4	0
	1730	,,	1006·0	995·2	..	26.9	22.2	19.7	22.9	64	..	5.9	..	3.1	0	0	23	12	9	1	0	0	0	0	1	7	0
Gohpur	0830	,,	..	..	..	23.3	20.8	19.6	22.8	80	..	4.7	..	6·3	0	1	28	0	5	0	2	0	0	1	1	1	20
	1730	,,	..	..	..	25.6	22·2	20·4	24·0	74	..	5.0	..	5.2	0	0	25	1	1	1	1	1	0	0	1	5	9
Majbat	0830	,,	..	..	..	24.2	20·9	19·1	22·1	74	..	4.6	..	4.1	0	0	27	2	19	3	2	0	1	0	0	3	0
	1730	,,	..	..	..	26.7	22.2	19 8	23.1	66	..	5.7	..	2.3	0	0	19	1	8	1	1	1	7	0	0	11	0
Jorat (Aerodrome)	0530	90	1008·3	997·9	..	19.6	19.0	18.6	21.4	94	..	5.0	..	0.8	0	0	14	1	8	2	0	0	0	1	2	16	0
	0830	,,	1009.9	999·9	..	23.8	21.2	19 8	23.1	79	..	5.0	..	1.2	0	0	22	2	14	3	0	0	0	1	2	8	0
	1130	,,	1008.8	998·7	..	26·9	22.3	19.9	23.2	68	..	5.1	..	1.3	0	0	22	4	8	7	0	0	0	2	1	8	0
	1730	,,	1005.6	995·4	..	25.5	22.1	20.3	23.8	73	..	5.3	..	1.3	0	0	23	1	17	3	0	0	1	1	0	7	0
	2330	,,	1007.6	997.4	..	21.0	20.0	19.4	22.5	98	..	5.0	..	0.7	0	0	14	0	9	3	0	0	2	0	0	16	0
Tangla	0830	78	1009.5	1000·5	..	24.0	21.3	19.9	23.2	80	..	2.3	..	1.4	0	0	18	0	4	0	15	0	3	0	0	12	0
	1730	,,	1004.8	996·0	..	28.3	23.9	21.6	25.8	68	..	2.2	..	1.0	0	0	13	0	0	0	7	0	6	0	0	17	0
Tazpur	0830	79	1010.5	1001·5	−0·2	23.0	20.3	18.7	21.6	76	+2	4.6	+0.5	(j) 6.3	0	0	21	1	16	1	0	2	1	0	0	0	0
	1730	,,	1006.2	997.2	..	28.1	21.7	18.1	20.8	57	..	3.8	..	(k) 9·1	0	0	19	1	8	2	0	0	8	0	0	1	0
Golaghat	0830	95	1009.7	998.8	..	23·0	20.7	19.4	22.5	79	..	4.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1005·6	994·8	..	27.8	23.2	20·9	24·7	67	..	(b) 3.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rangia	0830	60	1010.8	1004.0	..	24.7	21.5	19.7	22.9	76	..	(d) 2.9	..	(d) 7.3	0	0	27	0	9	12	1	0	0	4	1	0	0
	1730	,,	1006.5	999.6	..	27.4	23.0	20.8	24.6	65	..	(d) 2.6	..	(e) 3.5	0	0	23	2	2	9	2	2	1	1	4	3	0
Chaparmukh	0830	66	1012.0	1004·6	..	24.3	21.3	19·7	22.9	76	..	4.0	..	(b) 3.9	0	0	29	0	8	4	12	1	3	0	1	0	0
	1730	,,	1007·2	999.9	..	26.2	22.7	20.9	24.7	68	..	(b) 3.3	..	(b) 2.6	0	0	19	2	5	0	6	0	2	1	3	10	0
Goalpara	0830	38	1009.7	1005.3	..	21.4	19.2	17.9	20.5	82	..	3.7	..	2.9	0	0	24	0	15	3	5	0	1	0	0	6	0
	1730	,,	1004.8	1000.6	..	28.1	23.9	21.8	26.3	70	..	3.1	..	2.4	0	0	27	0	18	0	2	1	1	2	3	3	0
Gauhati	0830	..	..	..	..	24.0	20.3	18·1	20·8	72	−1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

(k) Mean of 20 days. (d) Mean of 27 days. (b) Mean of 29 days. (j) Mean of 21 days. (c) Mean of 20 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed in km. per hour	Wind speed (Km. p.h.): 62 or more	20 to 61	1 to 19	No. of observation, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Assam (Including North NEFA) —(*Contd.*)																											
Gauhati (Bhorjor)	0230	54	1006.7	1000.4	..	21.1	19.7	19.1	22.5	89	..	3.9	..	4.7	0	0	18	2	8	2	1	1	3	0	1	12	0
	0530	,,	1007.7	1001.4	..	20.4	19.4	18.9	22.1	91	..	4.5	..	3.5	0	0	15	0	7	2	2	0	1	1	2	15	0
	0830	,,	1009.7	1003.5	—0.1	24.1	21.3	19.5	23.1	75	+2	4.2	+0.4	5.9	0	0	24	4	9	4	1	2	0	2	2	6	0
	1130	,,	1008.4	1002.3	..	27.6	22.6	19.9	23.4	64	..	3.3	..	8.1	0	0	30	12	11	0	0	0	2	1	4	0	0
	1430	,,	1005.4	999.4	..	29.5	22.8	19.3	22.4	55	..	3.7	..	9.3	0	1	30	6	11	1	0	0	2	4	6	0	0
	1730	,,	1005.2	998.9	..	27.5	22.5	19.8	23.4	65	..	4.0	..	6.0	0	0	27	10	5	1	1	1	1	3	5	3	0
	2030	,,	1006.8	1000.8	..	24.8	22.0	20.8	24.9	81	..	3.0	..	3.1	0	0	12	0	6	2	3	0	0	0	1	18	0
	2330	,,	1007.1	1000.6	..	22.2	20.7	19.9	23.2	86	..	3.5	..	5.1	0	0	16	0	8	1	2	2	3	0	0	14	0
Dhubri (Rupsi)	0530	45	1007.4	1002.2	..	20.8	19.5	18.7	21.6	89	..	3.7	..	6.1	0	0	28	1	14	5	1	2	2	2	1	2	0
	0830	,,	1009.1	1004.0	..	25.1	21.3	19.2	22.2	69	..	3.3	..	9.3	0	0	28	0	9	15	0	2	1	2	0	1	0
	1130	,,	1008.1	1003.0		28.8	22.6	19.3	22.4	57	..	2.9	..	9.8	0	0	30	0	3	13	3	2	6	3	0	0	0
	1730	,,	1004.3	999.3	..	28.7	22.9	19.9	23.2	59	..	2.9	..	6.6	0	0	27	0	7	8	3	1	2	6	0	3	0
Dhubri	0830	35	1010.0	1006.0	+0.6	25.3	22.2	20.5	24.1	77	+6	2.2	—1.6	10.3	0	7	22	0	20	4	3	1	1	0	0	1	0
	1730	,,	1005.3	1001.4	..	27.9	23.2	20.9	24.7	66	..	0.9	..	1.3	0	0	13	0	10	2	0	0	1	0	0	17	0
Lumding	0830	149	1009.9	992.9	..	23.0	21.0	19.9	23.2	84	+13	3.1	..	2.1	0	0	18	0	1	12	4	1	0	0	0	12	0
	1730	,,	1005.7	989.0	..	27.9	23.0	20.5	24.1	66	..	4.9	..	2.7	0	0	23	1	2	4	1	5	3	5	2	7	0
South Assam (Including Nagaland Manipur & Tripura)																											
Tura	0830	370	1010.0	968.5	..	24.6	20.2	17.9	20.5	66	..	5.5	..	5.5	0	0	28	0	0	7	8	4	2	5	2	2	0
	1730	,,	1004.9	964.1	..	29.2	21.2	16.9	19.3	47	..	5.9	..	6.7	0	0	30	1	1	5	5	9	4	5	0	0	0
Haflong	0830	682	1009.9	934.2	..	22.0	18.9	16.5	18.8	73	..	3.7	..	8.9	0	1	29	0	0	0	0	0	5	0	25	0	0
	1730	,,	1004.7	930.2	..	24.8	19.7	16.5	18.8	61	..	3.1	..	7.3	0	0	30	1	0	0	0	1	5	0	23	0	0
Silchar (Kumbhirgram)	0530	97	1007.8	996.7	..	20.6	19.4	18.5	21.6	88	..	4.8	..	7.9	0	0	29	0	0	26	0	1	0	2	0	1	0
	0830	,,	1009.4	998.4	..	24.7	21.2	19.3	22.4	73	..	4.6	..	7.1	0	0	28	0	1	24	2	0	0	1	0	2	0
	1130	,,	1007.9	997.1	..	28.7	22.4	18.9	21.8	57	..	4.6	..	8.8	0	1	28	0	1	7	1	5	5	8	2	1	0
	1730	,,	1004.5	993.7	..	28.1	22.6	19.7	22.9	61	..	3.7	..	3.3	0	1	11	1	2	5	0	0	1	3	0	18	0
Silchar	0830	29	1010.7	1007.3	—0.2	25.6	22.1	20.3	23.8	73	—2	4.3	+0.1	1.8	0	0	25	1	9	5	5	1	3	1	0	5	0
	1730	,,	1005.5	1002.2	..	29.0	23.7	21.0	24.9	63	..	3.2	..	1.3	0	0	19	3	6	2	3	1	0	0	4	11	0
Imphal (Tulihal)	0530	781	1011.0	923.4	..	16.7	15.3	14.4	16.4	87	..	4.9	..	2.1	0	0	6	0	2	0	0	0	0	3	1	24	0
	0830	,,	1010.7	924.9	—0.3	22.6	17.9	14.9	16.9	63	0	4.7	+1.4	5.1	0	1	11	0	2	1	0	1	1	2	5	18	0
	1130	,,	1008.1	923.5	..	26.4	18.9	14.3	16.3	48	..	5.2	..	13.1	0	5	24	1	2	1	0	4	1	8	12	1	0
	1430	,,	1004.9	921.1	..	28.1	18.7	12.7	14.7	40	..	4.9	..	15.4	0	8	22	0	2	2	0	1	2	10	13	0	0
	1730	,,	1005.8	921.0	..	24.9	18.0	13.7	15.7	51	..	4.5	..	11.2	0	1	28	0	2	0	1	0	0	11	15	1	0
	2030	,,	1008.6	922.6	..	21.3	17.4	14.7	17.4	69	..	3.7	..	7.2	0	0	23	2	0	1	1	2	1	6	10	7	0
	2330	,,	1009.4	922.7	..	19.3	16.7	15.1	17.1	77	..	4.4	..	2.7	0	0	10	1	2	0	0	2	1	0	4	20	0
Kailashahar	0530	30	1009.0	1005.7	..	22.0	21.2	20.8	24.6	93	..	4.6	..	2.1	0	0	16	0	2	2	0	8	3	0	1	14	0
	0830	,,	1010.8	1007.5	..	26.3	22.8	21.0	25.0	74	..	3.8	..	4.5	0	0	24	1	0	2	5	4	10	1	1	6	0
	1130	,,	1009.3	1006.1	..	30.7	24.6	21.0	24.9	56	..	3.3	..	5.0	0	0	28	3	3	2	3	6	8	2	1	2	0
	1730	,,	1005.5	1002.3	..	29.9	24.2	21.5	25.6	61	..	3.2	..	5.1	0	0	16	3	2	2	0	2	7	0	0	14	0
Agartala	0230	16	1006.5	1004.7	..	23.9	22.4	22.0	26.4	89	..	3.9	..	11.9	0	6	18	2	1	0	6	11	1	2	1	6	0
	0530	,,	1007.4	1005.6	..	23.4	22.5	22.0	26.4	92	..	4.4	..	10.6	0	3	19	0	1	2	6	12	0	1	0	8	0
	0830	,,	1009.2	1007.4	+0.2	28.3	24.5	21.6	27.6	75	+1	4.0	+0.1	13.3	0	7	19	0	0	0	9	15	2	0	0	4	0
	1130	,,	1007.9	1006.1	..	32.5	25.1	21.6	25.8	53	..	4.2	..	16.9	0	5	25	0	0	1	1	16	7	3	2	0	0
	1430	,,	1005.1	1003.3	..	33.8	25.0	20.7	24.4	48	..	4.3	..	15.6	0	10	20	0	0	0	2	12	6	9	1	0	0
	1730	,,	1004.7	1002.9	..	30.3	24.7	22.0	26.4	62	..	3.6	..	19.8	0	13	16	2	0	1	2	20	2	1	1	1	0
	2030	,,	1006.8	1005.0	..	26.8	24.0	22.7	27.6	79	..	2.7	..	14.9	0	6	22	2	0	0	5	20	1	0	0	2	0
	2330	,,	1006.9	1005.1	..	26.1	23.5	22.6	27.4	86	..	2.7	..	14.2	0	9	18	0	1	1	5	17	2	0	1	3	0
Sub-Himalayan West Bengal																											
Baghdogra	0230	131	1006.3	991.2	..	20.8	18.6	17.2	19.6	80	..	2.5	..	7.7	0	0	26	9	8	5	0	1	1	1	1	4	0
	0530	,,	1007.1	991.9	..	20.2	18.2	16.9	19.3	82	..	3.5	..	6.2	0	0	22	7	8	6	0	0	0	1	0	8	0
	0830	,,	1008.9	994.0	+0.2	25.8	20.5	17.3	19.7	60	+2	3.2	+0.4	15.8	0	8	20	1	10	13	2	1	1	0	0	2	0
	1130	,,	1007.9	993.2	..	29.1	21.7	17.5	20.0	50	..	2.9	..	16.7	0	9	21	0	2	16	7	4	1	0	0	0	0
	1730	,,	1004.3	989.6	..	28.7	21.4	17.1	19.5	52	..	3.1	..	16.7	0	4	25	2	8	8	4	3	0	2	2	1	0
	2330	,,	1006.6	991.6	..	22.5	19.8	18.2	20.9	77	..	2.5	..	9.2	0	1	26	10	9	6	0	1	0	1	0	3	0
Jalpaiguri	0830	83	1008.9	999.5	—0.1	23.9	20.5	18.5	21.3	72	+2	2.5 (b)	—0.1	7.5 (b)	0	1	26	3	5	15	3	0	0	1	0	3	0
	1730	,,	1004.2	995.0	..	29.0	22.9	19.7	22.9	58	..	1.6	..	4.6	0	0	20	4	3	11	0	0	0	2	0	9	0

(b) Mean of 29 days.

Sub Division and station	Hour of observation I.S.T.	Station elevation in metre	Mean pressure in millibars: At mean sea level or height in g. p. m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (km. p. h.): 62 or more	Wind speed (km. p. h.): 20 to 61	Wind speed (km. p. h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Sub-Himalayan West Bengal—(*Contd*).																											
Cooch Behar	0830	43	1009·4	1004·6	..	25·0	21·5	19·6	22·8	72	..	3·3	..	11·9	0	5	21	0	7	16	1	1	1	0	0	4	0
	1130	,,	1008·5	1003·7	..	28·3	22·9	20·1	23·5	62	..	3·2	..	10·3	0	1	26	0	5	13	2	6	0	1	0	3	0
	1730	,,	1004·8	1000·0	..	28·2	23·3	20·9	24·7	65	..	2·4	..	4·5	0	1	14	0	9	4	0	0	1	1	0	15	0
Jaigurghat	0830	26	1007·6	1004·6	..	28·8	22·0	18·2	20·9	54	..	1·9	..	4·0	0	0	27	0	1	3	12	2	4	1	4	3	0
	1730	,,	1003·2	1000·5	..	33·4	22·6	16·4	18·6	37	..	1·9	..	2·2	0	0	21	2	1	1	0	2	8	4	3	9	0
Malda	0830	31	1008·3	1004·7	+0·3	28·3	21·6	17·7	20·2	56	+6	2·1	+0·2	2·7	0	0	25	0	2	4	5	3	5	5	1	5	0
	1730	,,	1003·6	1000·1	..	33·4	21·3	13·5	15·5	33	..	2·5	..	2·5	0	0	24	1	1	5	2	0	1	3	11	6	0
Gangetic West Bengal																											
Berhampore	0830	19	1008·3	1006·2	+0·1	27·7	22·9	20·4	24·0	66	+2	2·6	−0·6	3·7	0	0	30	2	1	4	1	11	5	5	1	0	0
	1730	,,	1003·5	1001·5	..	33·6	22·4	15·8	17·9	36	..	2·5	..	2·9	0	0	23	0	2	0	1	6	4	9	1	7	0
Suri	0830	..	..	..	..	30·0	20·8	15·0	17·0	44	..	1·1	..	4·7	0	0	30	4	0	4	0	14	1	5	2	0	0
Asansol	0230	126	1006·2	991·8	..	23·6	19·2	16·4	18·6	66	..	1·9	..	2·4	0	0	14	0	0	0	0	4	0	6	4	16	0
	0530	,,	1007·0	992·6	..	22·4	18·7	16·3	18·5	70	..	2·5	..	2·5	0	0	17	0	1	0	1	1	1	9	4	13	0
	0830	,,	1008·7	994·7	+1·1	28·9	20·8	15·1	17·1	44	−6	2·1	−0·1	6·9	0	0	30	1	0	0	2	1	3	10	13	0	0
	1130	,,	1007·5	993·7	..	35·1	21·8	13·3	15·3	30	..	2·1	..	12·3	0	5	25	1	1	0	2	1	3	12	10	0	0
	1430	,,	1004·6	990·9	..	37·1	22·1	12·3	14·3	24	..	2·7	..	10·7	0	3	27	1	1	0	1	1	4	9	13	0	0
	1730	,,	1003·9	990·1	..	34·9	21·4	12·5	14·5	28	..	2·7	..	8·3	0	2	26	0	0	0	0	2	3	11	12	2	0
	2330	,,	1006·6	992·3	..	26·4	19·9	15·8	17·9	54	..	1·8	..	5·7	0	0	23	0	0	0	0	7	4	6	6	7	0
Shanti Niketan	0830	59	1008·8	1002·2	..	29·4	21·7	17·3	19·7	51	..	2·0	..	4·6	0	0	27	0	0	0	1	3	6	7	10	3	0
	1130	,,	1008·2	1001·7	..	34·4	21·2	12·4	14·4	30	..	1·7	..	4·5	0	0	29	3	0	2	1	2	7	8	6	1	0
	1730	,,	1004·0	997·5	..	34·8	21·4	12·6	14·6	28	..	2·3	..	4·6	0	0	21	0	0	0	1	2	6	7	5	9	0
Krishnanagar	0830	15	1008·7	1007·1	+0·6	29·3	24·1	21·6	25·8	64	−1	1·2	−1·6	2·6	0	0	20	0	0	0	0	16	0	3	1	10	0
	1730	,,	1004·2	1002·6	..	35·0	23·2	16·5	18·8	35	..	1·6	..	0·5	0	0	7	0	0	0	0	7	0	0	0	23	0
Purulia	0830	255	1009·1	980·9	+0·8	28·5	20·1	14·7	16·7	46	+9	2·1	+0·5	3·5	0	0	30	3	1	0	2	3	6	11	4	0	0
	1730	,,	1003·9	976·3	..	34·8	21·8	13·5	15·5	30	..	3·3	..	3·5	0	0	28	5	2	0	0	3	2	6	10	2	0
Bankura	0830	100	1008·4	997·3	..	28·8	20·9	16·1	18·3	49	..	1·4	..	1·7	0	0	21	1	0	2	0	1	4	4	8	9	1
	1730	,,	1003·8	992·9	..	35·9	21·2	11·1	13·2	24	..	1·7	..	1·3	0	0	12	2	1	1	0	1	2	2	3	18	0
Burdwan	0830	32	1008·7	1005·1	+0·7	29·2	23·3	20·3	23·8	60	−8	1·2	−1·7	2·1	0	0	16	1	0	0	0	2	10	1	2	14	0
	1730	,,	1004·2	1000·7	..	35·1	22·9	15·8	17·9	33	..	2·3	..	3·1	0	0	25	0	0	6	0	12	2	5	0	5	0
Barrackpore (Aerodrome)	0530	7	1007·3	1006·5	..	24·4	23·2	22·6	27·4	90	..	2·6	..	7·0	0	0	26	1	0	0	0	4	19	1	1	4	0
	0830	,,	1009·0	1008·3	+0·6	28·8	24·5	22·5	27·3	69	+1	1·9	−0·4	10·0	0	0	30	1	1	0	0	3	21	1	3	0	0
	1130	,,	1008·3	1007·6	..	33·7	24·5	19·9	23·2	47	..	1·9	..	11·3	0	1	29	2	1	0	0	2	17	4	1	1	2
	1730	,,	1005·1	1004·3	..	32·3	24·9	21·3	25·3	54	..	2·9	..	10·4	0	3	26	2	1	0	0	7	15	2	2	1	0
	2330	,,	1007·3	1006·5	..	25·9	24·1	23·3	28·6	85	..	1·9	..	10·2	0	0	29	0	2	0	0	5	20	2	0	1	0
Calcutta (Dum Dum)	0230	6	1006·1	1005·4	..	25·3	24·1	23·5	28·9	91	..	2·6	..	6·9	0	0	27	0	1	0	5	9	10	1	1	3	0
	0530	,,	1006·9	1006·2	..	24·5	23·6	23·1	28·3	92	..	3·2	..	4·6	0	0	23	1	0	0	0	8	13	1	0	7	0
	0830	,,	1008·7	1008·0	−0·2	28·8	25·5	24·1	30·0	75	+5	2·4	−0·7	7·3	0	1	28	0	2	0	3	5	16	3	0	1	0
	1130	,,	1008·1	1007·3	..	33·6	26·1	22·7	27·6	54	..	2·5	..	8·1	0	2	28	0	1	2	2	5	9	7	4	0	0
	1430	,,	1005·3	1004·6	..	35·2	26·0	21·8	26·1	47	..	2.5	..	7·5	0	0	30	0	0	1	2	10	8	3	6	0	0
	1730	,,	1004·7	1004·0	..	32·2	26·2	23·6	29·1	62	..	3·1	..	7·5	0	0	26	1	0	0	2	13	7	3	0	4	0
	2030	,,	1006·9	1006·2	..	27·5	25·6	24·7	31·1	85	..	1·6	..	8·0	0	0	28	0	0	1	2	18	7	0	0	2	0
	2330	,,	1006·9	1006·2	..	26·1	24·9	24·4	30·5	90	..	2·4	..	7·7	0	0	28	1	0	0	3	9	14	1	0	2	0
Calcutta	0830	6	1008·5	1007·8	+0·1	29·4	24·9	22·9	27·9	68	−5	1·8	−1·2	3·6	0	0	29	1	1	0	0	10	12	4	1	1	0
	1130	,,	1007·8	1007·1	..	33·8	24·7	20·2	23·7	46	..	1·7	..	3·1	0	0	26	1	1	0	0	3	9	7	5	4	0
	1730	,,	1004·5	1003·8	..	32·1	24·9	21·5	25·6	55	..	2·1	..	4·2	0	0	29	1	0	0	3	16	7	1	1	1	0
Midnapore	0830	45	1008·4	1003·3	+0·2	28·7	23·3	20·5	24·1	64	0	1·7	−0·4	3·7	0	0	27	2	2	0	0	7	9	6	1	3	0
	1730	,,	1004·2	999·2	..	34·0	23·0	16·8	19·1	39	..	2·6	..	5·9	0	1	26	2	4	1	0	15	4	1	0	3	0
Contai	0830	11	1009·0	1007·8	+0·7	28·9	25·6	24·1	30·0	76	+5	1·8	−1·2	12·7	0	8	22	3	0	0	0	7	19	1	0	0	0
	1730	,,	1005·3	1004·1	..	28·7	26·2	25·2	32·1	81	..	2·2	..	14·8	0	7	23	0	0	0	3	18	8	0	1	0	0
Sagar Island	0830	3	1008·9	1008·6	+0.3	28·0	26·0	25·2	32·1	84	+10	3·5	−0·9	23·1	0	20	10	1	1	0	0	4	19	4	1	0	0
	1730	,,	1005·5	1005·2	..	28·4	26·3	25·5	32·6	84	..	3·1	..	27·3	0	24	6	0	0	0	2	15	13	0	0	0	0
Sandheads	0530	10	1006·8	1005·7	..	26·7	25·5	25·0	31·7	90	..	2·8	..	22·6	0	21	9	1	0	1	0	2	23	3	0	0	0
	0830	,,	1009·6	1008·5	+0·1	28·8	26·4	25·4	32·4	82	+4	2·3	−0·8	20·0	0	15	14	0	1	0	0	1	23	3	1	1	0
	1130	,,	1009·0	1007·9	..	29·8	26·8	25·6	32·8	78	..	2·2	..	18·4	0	14	14	0	0	0	0	2	22	3	1	2	0
	1730	,,	1005·5	1004.4	..	28·3	26·2	25·3	32·2	85	..	2·3	..	23·0	0	21	9	0	0	0	2	8	20	0	0	0	0
	2330	,,	1007·4	1006.3	..	27·1	25·8	25·3	32·2	89	..	..	..	24·4	0	20	10	0	1	0	0	8	20	1	0	0	0

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Orissa—																											
Baripada	0830	54	1009·8	1003·8	..	29·3	24·3	21·9	26·3	65	..	2·0	..	3·5	0	0	23	2	1	0	0	9	8	0	1	7	2
	1730	,,	1005·5	999·5	..	32·7	25·3	21·9	26·3	55	..	3·4	..	5·5	0	0	29	0	1	1	9	10	5	1	0	1	2
Jharsuguda	0230	230	1006·2	980·3	..	25·7	19·7	15·9	18·1	57	..	2·3	..	2·5	0	0	10	1	2	2	4	1	0	0	0	20	0
	0530	,,	1007·2	981·2	..	24·0	19·3	16·3	18·5	64	..	3·0	..	2·7	0	0	10	1	3	1	3	1	0	0	1	20	0
	0830	,,	1009·0	983·4	+0·6	29·6	21·1	15·9	18·1	44	+4	2·3	+0·4	7·6	0	0	25	7	4	3	1	3	3	2	2	5	0
	1130	,,	1007·8	982·7	..	34·7	21·7	13·4	15·4	29	..	2·4	..	7·3	0	0	25	2	2	3	0	6	4	6	2	5	0
	1730	,,	1003·7	978·8	..	35·4	31·2	11·5	13·6	25	..	3·8	..	9·2	0	1	26	1	2	2	1	13	3	5	0	3	0
	2330	,,	1006·6	980·9	..	27·9	20·3	15·5	17·6	48	..	2·1	..	5·7	0	0	19	3	4	5	1	2	2	0	2	11	0
Keonjhargarh	0830	463	1009·8	959·0	..	28·0	22·3	19·5	22·7	61	..	2·1	..	3·6	0	0	23	2	6	0	1	1	2	8	3	7	0
	1730	,,	1004·1	954·4	..	33·0	24·0	19·9	23·2	48	..	2·0	..	1·5	0	0	22	1	3	0	0	3	2	10	3	8	0
Balasore	0830	20	1008·9	1006·6	+0·5	28·3	24·5	22·7	27·6	72	+3	3·4	+0·8	9·7	0	1	28	2	1	0	0	10	14	0	2	1	0
	1730	,,	1005·0	1002·8	..	30·1	25·9	24·1	30·0	71	..	4·0	..	10·8	0	0	30	1	0	0	7	20	1	0	1	0	0
Sambalpur	0830	148	1009·9	993·3	+1·5	29·9	22·5	18·5	21·3	52	+4	0·9	−1·0	1·8		0	15	4	1	4	0	4	2	0	0	15	0
	1730	,,	1005·5	989·3	..	35·2	23·6	17·2	19·6	37	..	1·7	..	2·3	0	0	11	4	2	0	0	0	1	2	2	19	0
Angul	0830	139	1009·5	993·9	+0·9	28·6	23·2	20·4	24·0	63	+2	2·6	−0·2	2·3	0	0	20	2	1	3	0	3	0	10	1	10	0
	1730	,,	1004·2	989·1	..	35·7	23·1	15·8	17·9	33	..	4·4	..	3·7	0	0	28	5	2	2	2	5	5	6	1	2	0
Chandbali	0830	6	1009·5	1008·8	+0·5	28·5	25·4	24·1	30·0	76	+4	2·0	−1·2	5·2	0	0	26	1	0	1	2	5	17	0	0	4	0
	1730	,,	1005·4	1004·7	..	31·0	25·1	22·3	26·9	61	..	3·1	..	11·9	0	4	26	0	1	8	14	4	2	1	0	0	0
Bolangir	0830	190	1009·0	987·9	..	30·7	24·0	20·7	24·4	56	..	2·0	..	6·1	0	0	30	3	1	5	3	10	7	0	1	0	0
	1730	,,	1004·1	983·3	..	36·0	24·3	18·1	20·8	36	..	2·8	..	4·7	0	0	29	6	4	5	4	4	2	0	4	1	0
Phulbani	0830	464	1007·3	956·3	..	27·4	21·3	18·1	20·8	58	..	0	..	0·3	0	0	4	3	0	0	0	1	0	0	0	26	0
	1730	,,	1002·2	952·4	..	33·3	21·3	14·5	16·5	32	..	2·1	−1·0	1·2	0	0	11	4	2	0	3	0	0	0	2	19	0
Cuttack	0830	27	1009·5	1006·5	+0·5	28·9	25·4	23·9	29·7	74	+4	2·1	..	6·1	0	0	22	0	0	1	0	4	13	3	1	8	0
	1730	,,	1005·1	1002·1	..	33·0	25·3	21·7	25·9	52	..	3·6	..	14·0	0	4	23	0	0	0	1	19	7	0	0	3	0
Titlagarh	0830	211	1009·5	986·1	..	30·0	22·6	18·6	21·4	51	..	0·3	..	2·7	0	0	29	1	3	1	3	8	10	3	0	1	0
	1730	,,	1005·0	982·1	..	35·7	24·3	18·3	21·0	35	..	1·7	..	2·2	0	0	24	4	5	5	2	3	3	0	2	6	0
Bhubaneswar	0230	[illegible]	1006·9	1001·7	..	25·6	24·0	23·3	28·6	87	..	2·8	..	12·0	0	4	25	0	1	0	1	14	12	1	0	1	0
	0530	,,	1007·5	1002·3	..	25·3	24·1	23·5	28·9	90	..	3·7	..	13·3	0	6	23	0	2	1	0	10	14	2	0	1	0
	0830	,,	1009·7	1004·5	+0·7	29·1	25·2	23·5	23·9	72	+4	2·7	−0·3	12·2	0	6	24	1	2	0	0	9	15	2	1	0	0
	1130	,,	1008.6	1003.5	..	33.9	24.7	20·1	23·5	46	..	1·5	..	13·1	0	8	21	0	2	1	0	7	15	1	1	1	2
	1430	,,	1005.8	1000.7	..	35.7	24·7	19·1	22·1	39	..	2·8	..	17·6	0	12	18	0	1	1	2	14	10	0	2	0	0
	1730	,,	1005·1	1000·6	..	30·9	24·7	21·7	25·9	59	..	3·3	..	22·7	0	20	10	0	0	1	1	16	10	1	1	0	0
	2330	,,	1008·0	1002·8	..	26·6	24·5	23·5	28·9	84	..	2·5	..	15·3	0	9	21	0	1	1	1	9	16	1	1	0	0
Puri	0830	6	1010·0	1009.3	+1·0	28·1	26·1	25·3	32·2	83	+3	3·3	+0·1	14·9	0	10	20	2	1	0	0	1	26	0	0	0	0
	1730	,,	1006.5	1005.8	..	28·0	26·2	25·4	32·4	85	..	3·3	..	19·0	0	16	14	0	0	0	0	10	20	0	0	0	0
Gopalpur	0530	17	1007·4	1005·5	..	24·9	23·9	23·4	28·8	92	..	3·3	..	9·6	0	4	21	1	0	0	0	3	20	1	0	5	0
	0830	,,	1009·5	1007·6	+0·7	27·0	24·9	23·9	29·7	83	+5	2·4	+0·8	8·9	0	2	25	1	1	0	0	6	19	0	0	3	0
	1130	,,	1009·2	1007·3	..	29·3	26·0	24·5	30·7	76	..	2·3	..	14·3	0	5	25	0	0	1	2	12	15	0	0	0	0
	1730	,,	1005·9	1004·0	..	27·2	25·6	24·9	31·5	87	..	5·1	..	16·0	0	10	20	0	0	0	2	5	23	0	0	0	0
	2330	,,	1007·9	1006·0	..	25·9	24·8	24·3	30·4	91	..	2·6	..	14·5	0	11	14	0	0	0	0	1	24	0	0	5	0
Koraput†	0830	913	1512·8	910·6	−0·1	24·1	19·9	17·6	20·1	69	+6	1·3	−0·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1491·2	907·5	..	29·1	21·0	16·7	19·0	47	..	1·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bihar Plateau																											
Dumka	0830	149	1008·5	991·9	+0·8	29·8	20·3	14·1	16·1	42	−5	1·1	−0·5	4·1	0	0	22	0	0	4	4	2	8	3	1	8	0
	1730	,,	1003·7	987·3	..	34·5	20·5	10·5	12·7	26	..	1·6	..	4·7	0	0	20	0	0	2	8	0	1	6	3	10	0
Daltonganj	0830	221	1009·5	985·1	−1·9	29·1	19·6	13·1	15·1	39	0	1·8	+0·5	2·2	0	0	21	1	6	0	2	0	3	3	6	9	0
	1730	,,	1003·5	979·4	..	34·9	20·0	8·7	11·2	23	..	1·7	..	3·6	0	0	28	2	1	0	1	0	1	13	10	2	0
Hazaribagh	0830	611	1008·2	941·4	+0·4	27·0	16·6	8·8	11·3	35	+7	2·7	+0·9	8·5	0	1	26	1	0	1	0	0	5	3	17	3	0
	1730	,,	1003·5	937·9	..	31·6	17·5	6·5	9·7	23	..	2·2	..	10·0	0	2	27	1	1	0	0	0	1	0	26	1	0
Dhanbad	0830	257	1008·4	979·7	..	27·6	19·3	13·7	15·7	46	..	1·1	..	2·4	0	0	22	0	1	0	3	1	1	9	7	8	0
	1730	,,	1003·5	975·5	..	33·9	20·1	10·1	12·3	26	..	1·7	..	1·1	0	0	7	0	0	0	1	0	0	0	6	23	0
Ranchi	0830	655	1008·2	935·2	−0·8	20·1	15·4	12·0	14·0	61	+25	1·4	−0·4	1·1	0	0	15	5	4	3	0	1	0	0	3	14	0
	1730	,,	1004·6	934·1	..	29.8	20·3	14·8	16·8	42	..	2·0	..	1·3	0	0	19	4	2	1	0	4	0	2	6	11	0
Ranchi Aerodrome	0530	652	1007·8	935·5	..	21.8	14.9	9.6	11.9	50	..	2.4	..	6.2	0	1	20	0	0	0	0	1	0	7	13	9	0
	0830	,,	1008.2	937.2	..	27·3	16.9	9.3	11.7	35	..	1.6	..	10.9	0	3	22	5	0	0	0	2	4	2	12	5	0
	1130	,,	1006·8	936·8	..	31·2	17·7	7·7	10·5	25	..	2·2	..	13·3	0	7	20	1	0	0	0	3	4	3	16	3	0
	1430	,,	1003.8	934·3	..	32·9	17·9	6·3	9·5	21	..	3·2	..	20·7	0	13	15	2	2	0	0	2	3	1	18	2	0
	1730	,,	1003.5	933.6	..	31·5	17 5	6·7	9·8	24	..	2·7	..	16·2	0	9	19	2	1	0	0	0	3	0	22	2	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p. m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C.: Dry bulb	Mean temperature in °C.: Wet bulb	Mean temperature in °C.: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bihar Plateau—(*Contd.*)																											
Jamshedpur	0830	129	1008·7	994·3	+0·5	28·4	21·3	17·1	19·5	52	+6	1·8	0	3·6	0	0	24	1	0	1	0	0	4	9	9	6	0
	1730	,,	1003·3	989·8	..	35·7	22·7	14·9	16·9	32	..	2·3	..	4·2	0	0	20	2	2	3	1	0	2	4	6	10	0
Jamshedpur (P.B.O.)	0530	142	1007·2	991·1	..	23·3	19·8	17·7	20·2	72	..	2·2	..	1·2	0	0	9	0	1	0	0	0	2	3	3	21	0
	0830	,,	1008·9	993·1	..	28·9	21·1	16·4	18·6	49	..	1·6	..	4·6	0	0	22	0	0	1	0	1	7	8	5	8	0
	1130	,,	1007·6	992·0	..	34·3	21·2	12·5	14·5	29	..	1·9	..	6·7	0	0	29	1	1	0	3	3	5	4	12	1	0
	1430	,,	1004·4	989·0	..	36·6	21·2	10·4	12·6	22	..	2·2	..	8·0	0	1	27	0	0	2	1	4	3	6	12	2	0
	1730	,,	1003·5	988·1	..	35·0	21·1	11·7	13·7	26	..	2·9	..	5·9	0	1	24	0	2	4	4	2	0	4	9	5	0
	2330	,,	1006·9	991·0	..	27·3	20·9	17·1	19·5	56	..	1·8	..	3·1	0	0	15	1	5	3	1	2	1	2	0	15	0
Chaibasa	0830	226	1008·7	983·5	+0·8	28·6	21·3	17·0	19·4	51	−2	2·1	0·3	2·7	0	0	21	0	6	0	2	0	13	0	0	9	0
	1730	,,	1003·3	978·7	..	35·1	22·2	14·3	16·3	30	..	3·4	..	2·9	0	0	20	0	2	0	3	0	5	0	10	10	0
Bihar Plains																											
Motihari	0830	66	1008·3	1000·7	+1·1	27·0	20·8	17·1	19·5	56	+12	(b) 1·7	+0·6	(b) 5·2	0	0	27	0	4	6	5	0	1	5	6	2	0
	1730	,,	1003·5	996·2	..	31·7	24·5	21·0	24·9	57	..	(c) 1·1	..	(c) 2·6	0	0	12	1	1	0	0	0	0	5	5	16	0
Forbesganj	0830	61	1008·4	1001·6	..	26·5	20·9	17·6	20·1	59	..	1·9	..	9·6	0	1	28	0	0	20	4	0	1	2	2	1	0
	1730	,,	1003·5	996·3	..	32·3	21·9	15·7	17·8	40	..	1·8	..	7·3	0	2	25	0	0	14	0	0	0	12	1	3	0
Darbhanga	0830	49	1009·3	1003·9	+1·8	28·7	21·9	18·1	20·8	55	−1	1·0	−0·4	3·9	0	0	26	0	3	12	2	1	1	5	2	4	0
	1730	,,	1005·3	999·8	..	32·2	22·5	17·0	19·4	40	..	1·2	..	2·2	0	0	18	0	3	2	1	0	1	9	2	12	0
Chapra	0830	58	1008·1	1001·6	..	29·0	20·3	14·7	16·7	45	..	1·7	..	3·1	0	0	28	1	4	2	2	1	10	2	6	2	0
	1730	,,	1004·0	997·6	..	34·0	22·4	15·5	17·6	38	..	1·2	..	3·4	0	0	27	1	0	3	0	1	3	14	5	3	0
Purnea	0830	38	1008·6	1004·3	+0·5	27·5	21·1	17·3	19·7	56	−4	1·5	−0·7	3·6	0	0	29	0	6	16	0	0	0	7	0	1	0
	1730	,,	1003·5	999·3	..	33·1	21·3	13·7	15·7	32	..	2·0	..	4·6	0	0	25	1	3	5	0	0	1	12	3	5	0
Patna	0830	53	1008·2	1002·2	+0·7	28·4	19·7	13·9	15·9	43	−1	2·0	+0·7	7·7	0	0	28	1	6	3	1	1	4	11	1	2	0
	1730	,,	1003·7	997·9	..	34·6	20·8	11·2	13·3	26	..	(b) 2·0	..	9·9	0	2	26	0	3	0	0	0	0	17	8	2	0
Patna Aerodrome	0530	60	1005·9	999·1	..	22·5	16·9	12·7	14·7	57	..	2·5	..	5·8	0	1	18	0	0	3	1	2	1	8	4	11	0
	0830	,,	1007·9	1001·1	..	23·8	19·3	12·7	14·7	39	..	2·8	..	12·7	0	7	22	1	1	5	2	0	5	10	5	1	0
	1130	,,	1007·0	1000·5	..	34·1	20·2	10·1	12·3	26	..	2·6	..	14·3	0	5	23	1	3	2	0	2	1	8	11	2	0
	1430	,,	1004·1	997·6	..	36·1	20·1	7·7	10·5	20	..	2·9	..	22·1	0	15	15	0	1	0	1	1	4	9	14	0	0
	1730	,,	1003·3	996·7	..	34·8	19·5	7·3	10·2	21	..	2·3	..	16·4	0	10	19	2	0	1	0	0	1	7	18	1	0
	2330	,,	1005·2	998·5	..	28·7	18·9	11·9	13·9	38	..	1·0	..	4·1	0	0	17	1	2	1	0	1	3	8	1	13	0
	2330	,,	1005·7	998·9	..	26·4	18·1	12·0	14·0	44	..	1·0	..	6·2	0	1	18	3	0	2	1	0	4	5	4	11	0
Bhagalpur	0530	49	1006·7	1001·1	..	23·4	19·0	16·2	18·4	67	..	2·9	..	5·7	0	1	23	0	2	9	4	1	5	2	1	6	0
	0830	,,	1008·5	1003·0	+0·6	29·4	21·2	16·3	18·5	47	0	2·3	+0·8	8·6	0	4	24	0	4	9	2	1	3	9	0	2	0
	1130	,,	1007·6	1002·2	..	34·5	21·7	13·5	15·5	30	..	3·0	..	12·2	0	6	24	0	3	4	2	1	4	14	2	0	0
	1730	,,	1004·3	998·9	..	34·0	20·7	11·5	13·6	27	..	2·9	..	11·6	0	7	20	1	0	2	1	0	2	14	7	3	0
	2330	,,	1006·4	1000·9	..	27·6	20·4	15·9	18·1	52	..	1·8	..	8·7	0	2	24	0	0	13	3	2	4	4	0	4	0
Sabaur	0830	37	1008·4	1004·2	+0·7	28·	21·5	17·2	19·6	52	+8	1·8	−0·1	7·7	0	0	30	1	2	10	2	1	3	7	4	0	0
	1730	,,	1004·5	1000·4	..	33·8	21·6	13·9	15·9	30	..	2·4	..	8·9	0	1	27	2	1	3	1	0	0	8	13	2	0
Jamui	0830	82	1007·1	997·8	..	30·0	22·3	18·0	20·6	51	..	0·2	..	1·6	0	0	29	0	1	8	2	2	4	8	4	1	0
	1730	,,	1004·5	995·3	..	34·7	23·7	17·7	20·2	39	..	0·3	..	2·1	0	0	28	0	0	1	0	0	2	17	8	2	0
Dehri	0830	107	1008·4	996·5	..	29·6	19·0	11·3	13·4	34	..	3·3	..	4·3	0	0	30	1	0	1	4	5	5	10	4	0	0
	1730	,,	1003·6	991·9	..	35·5	20·7	10·1	12·3	24	..	1·9	..	6·2	0	0	30	1	1	0	2	0	0	25	1	0	0
Gaya	0230	116	1006·3	993·0	..	23·4	16·9	11·9	13·9	51	..	1·0	..	5·7	0	0	24	1	1	1	4	8	6	2	1	6	0
	0530	,,	1006·9	993·6	..	22·0	16·4	12·1	14·1	56	..	1·5	..	8·7	0	3	24	0	0	1	3	12	7	4	0	3	0
	0830	,,	1008·6	995·6	+1·3	30·3	19·7	12·3	14·3	36	+14	2·3	+1·0	16·4	0	11	18	0	0	1	1	1	12	13	1	1	0
	1130	,,	1007·8	995·0	..	35·0	20·7	10·6	12·8	25	..	2·6	..	22·8	0	18	11	0	1	1	0	0	3	18	6	1	0
	1730	,,	1004·0	991·3	..	35·5	20·5	9·5	11·9	23	..	1·9	..	22·9	0	18	12	2	0	0	1	0	1	17	9	0	0
	2330	,,	1006·7	993·5	..	26·0	17·7	11·5	13·6	42	..	1·1	..	4·9	0	0	20	2	1	0	3	1	5	6	2	10	0
Uttar Pradesh (East)																											
Kheri (R)	0830	147																									
(R)	1730	,,																									
Bahraich	0830	124	1008·1	994·1	+1·1	26·7	19·1	14·0	16·0	48	+3	3·3	+2·3	9·4	0	2	26	0	2	10	0	0	1	13	2	2	0
	1730	,,	1004·8	991·1	..	33·0	21·0	12·8	14·8	32	..	3·3	..	12·3	0	3	25	1	0	2	0	1	1	20	3	2	0
Nautanwa (R)	0330	99																									
(R)	1730	,,																									
Hardoi	0330	142	1008·5	992·9	+1·5	26·6	18·3	12·2	14·2	43	+3	2·1	+0·7	7·0	0	1	28	6	0	1	0	0	4	10	8	1	0
	1730	,,	1004·9	989·3	..	33·9	19·8	8·9	11·4	24	..	2·6	..	7·1	0	0	30	4	0	0	1	0	2	13	10	0	0
Gonda	0830	110	1008·2	995·9	..	28·5	19·6	13·7	15·6	43	+11	1·8	+0·4	4·0	0	0	27	3	0	8	0	0	0	2	14	3	0
	1730	,,	1004·3	992·2	..	33·8	20·6	11·4	13·5	27	..	2·0	..	4·5	0	0	29	0	0	1	0	0	0	11	17	1	0
Lucknow	0530	111	1007·7	995·1	−0·5	26·1	20·1	16·2	18·4	56	+20	1·2	0	1·7	0	0	18	1	0	0	0	1	3	12	1	12	0
	1730	,,	1004·6	992·4	..	33·9	21·8	14·7	16·7	32	..	2·5	..	2·8	0	0	25	0	1	0	0	0	1	17	6	5	0

(b) Mean of 29 days. (c) Mean of 28 days. (R) Registers not received.

Division and station	Hours of observation I.S.T	Station elevation in metres	Mean pressure in millibars: At mean sea level or hight in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km.p.h.): 62 to more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Uttar Pradesh (East) —(*Contd.*)																											
Lucknow (Amausi)	0230	128	1006.2	991.3	..	22.2	16.2	11.0	12.1	53	..	2.2	..	5.3	0	0	18	1	1	1	0	0	1	7	7	12	0
	0530	,,	1006.7	991.6	..	20.4	15.5	11.3	13.4	60	..	2.6	..	3.3	0	0	15	0	1	0	0	0	0	11	3	15	0
	0830	,,	1008.2	993.8	+1.0	27.1	18.3	11.4	13.5	41	+16	2.3	+1.1	9.7	0	3	24	2	0	0	2	0	4	7	12	3	0
	1130	,,	1008.0	993.9	..	33.3	19.6	8.4	10.0	26	..	2.4	..	15.7	0	12	16	3	0	0	1	0	1	7	16	2	0
	1430	,,	1005.5	991.5	..	35.3	19.9	6.8	9.9	21	..	2.7	..	17.5	0	13	17	5	2	1	0	0	0	3	19	0	0
	1730	,,	1004.4	990.4	..	34.2	19.5	6.8	9.9	22	..	2.9	..	13.7	0	8	20	1	1	0	1	0	0	7	18	2	0
	2030	,,	1006.2	991.8	..	27.9	18.1	9.9	12.2	37	..	2.1	..	5.6	0	1	21	0	0	0	1	0	0	11	10	8	0
	2330	,,	1007.0	992.5	..	24.9	17.0	10.6	12.8	45	..	2.3	..	6.2	0	2	20	4	1	0	0	0	1	7	9	8	0
Faizabad	0830	102	1007.7	996.1	..	27.0	19.0	13.7	15.7	45	..	2.2	..	4.5	0	0	26	3	3	2	1	0	0	12	5	4	0
	1730	,,	1004.2	992.9	..	33.2	20.4	11.3	13.4	29	..	2.5	..	6.2	0	0	27	1	0	1	0	0	1	21	3	3	0
Gorakkpur	0830	77	1007.7	999.0	+0.4	27.7	19.5	14.6	16.6	47	+1	2.2	+1.1	3.2	0	0	30	2	3	5	0	2	3	10	5	0	0
	1730	,,	1003.3	995.0	..	35.0	21.6	12.7	14.7	28	..	1.7	..	4.9	0	0	30	1	0	3	0	0	2	23	1	0	0
Gorakhpur P.B.O.	0230	78	1005.2	996.3	..	25.8	18.0	12.9	14.9	50	..	1.2	..	2.1	0	0	14	1	2	0	0	0	1	8	2	16	0
	0530	,,	1005.9	996.9	..	23.6	17.0	12.6	14.6	55	..	1.7	..	1.8	0	0	14	0	2	0	0	2	0	9	1	16	0
	1130	,,	1007.6	998.9	..	31.8	20.3	13.6	15.6	36	..	2.4	..	5.5	0	0	23	0	1	3	1	4	0	12	2	7	0
	1430	,,	1004.6	996.0	..	34.7	20.5	12.2	14.2	29	..	2.3	..	6.7	0	1	24	1	1	1	1	1	2	13	5	5	0
	2030		1005.4	996.5	..	30.4	19.4	13.2	15.2	40	..	0.6	..	1.3	0	0	8	0	0	0	0	0	0	6	2	22	0
	2330	,,	1005.6	996.8	..	27.9	18.7	13.1	15.1	44	..	0.6	..	1.8	0	0	10	1	1	0	0	0	0	6	2	20	0
Kanpur	0830	126	1007.9	993.4	+0.3	24.8	18.4	13.9	15.9	54	+21	1.6	+1.0	8.0	0	0	28	0	0	1	1	3	2	15	6	2	0
	1730	,,	1004.3	990.3	..	35.3	22.0	13.7	15.7	30	..	2.1	..	11.6	0	2	28	4	0	1	0	1	0	18	6	0	0
Kanpur (Aerodrome)	0530	126	1007.0	992.7	..	21.9	15.8	10.5	12.7	52	..	3.0	..	8.7	0	1	24	2	1	1	1	1	0	9	10	5	0
	0830	,,	1008.6	994.5	..	27.6	18.0	10.1	12.3	38	..	2.5	..	13.1	0	0	30	1	1	0	2	2	2	9	10	0	0
	1130	,,	1008.0	994.3	..	33.9	19.4	7.6	10.4	23	..	2.1 (b)	..	17.7	0	9	21	4	0	2	1	1	0	9	13	0	0
	1730	,,	1004.8	991.0	..	34.9	19.3	5.3	8.9	19	..	3.2	..	16.9	0	5	25	7	2	0	0	1	0	7	13	0	0
	2330	,,	1007.1	992.9	..	26.7	17.0	8.6	11.2	36	..	2.0 (b)	..	12.4	1	2	21	6	2	1	0	1	0	7	7	6	0
Sultanpur	0830	97	1008.7	997.7	..	27.2	18.9	13.0	15.0	44	..	1.9	..	2.7	0	0	23	1	0	2	1	0	1	11	4	7	0
	1730	,,	1004.3	993.6	..	34.6	20.6	10.4	12.6	25	..	1.6	..	3.7	0	0	26	1	0	1	0	0	0	16	8	4	0
Azamgarh	0830	78	1008.3	999.6	..	28.2	23.8	21.6	25.8	69	..	1.6	..	6.4	0	0	30	0	1	4	0	0	0	25	0	0	0
	1730	,,	1003.5	995.3	..	35.1	28.2	24.8	31.3	58	..	0.9	..	8.2	0	0	28	2	0	0	0	0	2	24	0	2	0
Fatehpur	0830	114	1008.9	996.1	..	28.0	18.7	11.9	13.9	39	+2	1.3	0	6.8	0	0	28	2	0	0	4	4	3	7	8	2	0
	1730	,,	1004.7	992.2	..	35.4	20.4	9.1	11.5	22	..	2.2	..	11.0	0	2	28	6	1	1	0	1	0	6	15	0	0
Ballia	0830	64	1008.9	1001.7	..	28.6	21.5	17.1	19.5	53	..	2.6	..	2.6	0	0	25	0	1	2	1	0	1	15	2	5	0
	1730	,,	1008.4	1001.5	..	34.8	21.6	12.5	14.5	29	..	2.3	..	2.3	0	0	22	0	0	1	1	0	1	16	3	8	0
Banda	0830	121	1009.8	996.2	..	29.6	18.6	10.4	12.5	33	..	2.0	..	1.5	0	0	16	1	2	0	2	1	6	1	3	14	0
	1730	,,	1004.8	991.7	..	36.7	21.1	9.8	12.3	21	..	1.8	..	2.5	0	0	26	1	3	1	1	0	1	0	19	4	0
Allahabad (Bamhrauli)	0230	98	1006.4	995.3	..	24.3	17.1	11.3	13.7	47	..	2.0	..	2.2	0	0	14	1	1	1	0	0	1	5	5	16	0
	0530	,,	1007.1	995.9	..	22.3	16.4	11.7	13.9	53	..	2.6	..	1.8	0	0	15	1	1	1	0	2	4	4	2	15	0
	0830	,,	1008.9	997.8	+1.3	28.1	18.4	10.9	13.4	37	+5	2.3	+0.9	5.6	0	0	24	0	1	1	2	3	1	12	4	6	0
	1130	,,	1008.4	997.3	..	34.6	20.4	9.7	12.4	24	..	2.8	..	7.2	0	1	28	0	0	2	1	1	1	17	7	1	0
	1430	,,	1005.5	995.0	..	36.7	20.6	8.1	10.8	20	..	2.6	..	12.5	0	10	20	1	0	0	3	0	1	13	12	0	0
	1730	,,	1004.5	994.0	..	35.7	20.4	8.5	11.1	21	..	2.7	..	8.9	0	1	29	2	0	1	0	1	0	11	15	0	0
	2030	,,	1006.2	995.2	..	29.7	19.7	11.3	13.7	35	..	1.9	..	2.5	0	1	17	0	1	1	0	0	0	10	6	12	0
	2330	,,	1006.8	995.8	..	26.9	18.0	10.5	13.7	42	..	1.9	..	2.9	0	1	15	0	0	1	1	3	0	6	5	14	1
Varanasi (Babatpur)	0530	85	1007.6	997.7	..	23.7	16.5	10.5	12.9	46	..	3.1	..	5.7	0	1	18	0	0	1	0	2	7	7	1	11	0
	0830	,,	1009.5	999.7	+1.3	28.5	19.1	12.1	14.5	39	+8	2.7	+1.7	11.2	0	1	27	0	1	0	0	3	7	12	5	2	0
	1130	,,	1009.0	999.5	..	33.6	19.8	9.2	11.7	26	..	3.0	..	17.7	0	11	19	1	1	0	0	2	4	16	5	0	1
	1730	,,	1005.1	995.7	..	35.2	20.4	9.2	11.9	23	..	2.9	..	15.1	0	6	24	2	0	1	0	1	0	19	7	0	0
	2330	,,	1007.5	997.7	..	27.9	17.8	9.2	12.1	34	..	2.4	..	5.9	0	0	22	0	1	1	0	0	1	14	5	8	0
Varanasi	0830	76	1008.6	1000.0	+1.2	27.6	19.0	12.8	14.8	43	+4	1.7	+0.4	2.8	0	0	28	1	2	0	0	1	8	15	1	2	0
	1730	,,	1003.9	995.6	..	34.7	20.5	10.1	12.3	26	..	1.5	..	2.5	0	0	30	2	2	0	1	2	1	19	3	0	0
Uttar Pradesh (West)																											
Mukhim	0830	76	..	..	..	14.3	9.2	4.3	8.3	54	..	2.7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	16.5	9.7	2.9	7.5	44	..	3.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tehri	0830	..	..	..	..	17.8	13.9	11.0	13.1	66	..	3.7	..	0.6	0	0	6	2	3	0	0	0	0	0	1	24	0
	1130	..	..	..	..	24.4	15.6	8.7	11.2	38	..	4.2	..	3.0	0	0	24	7	10	0	1	1	0	4	1	6	0
	1730	..	..	..	..	27.9	16.3	7.3	10.1	31	..	4.1	..	4.7	0	0	24	2	1	0	3	3	7	6	2	0	0
Dehra Dun	0530	682	1009.1	932.1	..	16.8	13.3	10.7	12.9	69	..	4.0	..	1.1	0	0	6	3	2	0	0	0	0	1	0	24	0
	0830	,,	1009.1	933.2	+1.2	21.1	15.6	11.7	13.7	56	+12	3.3	+1.0	1.7	0	1	14	4	1	0	0	0	1	9	0	15	0

(b) Mean of 29 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At Station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Uttar Pradesh (West)—(*Contd.*)																											
Dehra Dun—*Contd.*	1130	682	1008.5	934.1	..	26·9	17·5	11·1	13·2	40	..	3.8	..	4.6	0	0	17	0	2	1	1	3	2	7	1	13	0
	1730	,,	1005.5	931.5	..	27.6	17.5	10·5	12·8	37	..	4.5	..	2.2	0	0	22	3	3	0	2	2	3	8	1	8	0
	2330	,,	1009.1	933.0	..	20·0	14.9	11.2	13·3	59	..	3.0	..	2·2	0	1	13	5	8	0	0	0	0	1	0	16	0
Mansiari	0830	..	..	..	..	14.5	7.6	1.1	6.6	40	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	0
	1730	..	..	..	..	14.1	8.5	3.7	8.0	50	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0
Roorkee . . .	0830	274	1009.2	978.2	+1·7	23.6	16.8	11.5	13.6	49	+8	2.9	+1.4	1.0	0	0	16	0	1	0	0	1	0	0	14	14	0
	1730	,,	1005.5	975.6	..	30.5	18.3	9.0	11.5	28	..	3·5	..	1.9	0	0	22	2	0	0	2	0	0	0	18	8	0
Najibabad . .	0830	270	1009.4	978.8	..	23.4	17.1	12.3	14.3	52	..	3.4	..	3.6	0	0	28	0	3	4	1	1	0	13	6	2	0
	1730	,,	1006.2	976.4	..	31.0	19.8	11.5	13.6	33	..	3.7	..	5.8	0	0	28	1	0	1	1	0	0	21	4	2	0
Meerut . . .	0830	222	1009.9	984.7	+2.7	25.8	18.3	12·8	14.8	47	+6	1.9	+0.4	5.9	0	0	28	1	2	1	1	0	0	12	11	2	0
Bareilly . . .	0830	173	1008.4	988.8	+1.3	26.2	20.3	16.7	19.0	57	+13	2.6	+1.0	7.5	0	2	27	0	1	1	1	1	2	14	9	1	0
	1730	,,	1005.0	985.9	..	32.4	22.5	16.3	18.5	41	..	3.3	..	6 2	0	1	24	3	0	4	0	0	0	16	2	5	0
Bareilly P.B.O. .	0230	172	1006.4	986.7	..	23.3	16.3	11.4	13.5	50	..	1.7	..	5.7	0	0	29	5	1	4	0	0	1	13	5	1	0
	0530	,,	1006.6	986.9	..	21.8	15.9	11.7	13.7	56	..	3.0	..	4.5	0	0	24	2	3	0	0	0	0	11	8	6	0
	1130	,,	1008.1	989.0	..	30.8	18.5	10.4	12.6	31	..	3.0	..	10.9	0	4	26	2	2	2	0	0	0	13	11	0	0
	1430	,,	1005.9	986.9	..	33.6	18.9	8.9	11.4	24	..	3·7	..	10.7	0	5	25	1	1	2	1	0	1	18	6	0	0
	2030	,,	1006.7	987.0	..	27.8	17.5	12.8	10.6	37	..	2·1	..	6.7	0	2	27	5	0	2	0	0	1	16	5	1	0
	2330	,,	1007.1	987·5	..	25.6	16.9	10.7	12.9	43	..	1.7	..	6.0	0	1	28	2	3	2	0	0	0	14	8	1	0
Aligarh . . .	0830	187	1009.8	988·1	..	25.1	17.6	11.9	13·9	46	+17	3.0	+2·0	4.1	0	0	30	10	0	2	1	3	2	3	9	0	0
	1730	,,	1006.3	985.2	..	32.6	19.3	8.9	11.4	25	..	4.6	..	4.1	0	0	28	9	0	1	0	0	0	11	7	2	0
Mainpuri . .	0830	157	1008.8	991.1	+1·4	26.7	18.7	13.0	15.0	46	+1·0	2.2	+0.8	6.1	0	1	20	0	0	0	2	0	3	3	13	9	0
	1730	,,	1005·2	987·1	..	34.2	20·6	10·6	12·8	26	..	3·3	..	8·3	0	1	26	0	0	0	1	0	2	14	10	3	0
Agra . . .	0830	169	1009.6	990.9	+2·2	26.3	18.5	13.0	15.0	45	+17	1.2	−0.1	1·2	0	0	4	0	0	0	1	0	0	0	3	26	0
	1730	,,	1005.7	987.1	..	33.9	20.6	11.3	13.3	26	..	2.2	..	1.6	0	0	5	0	1	0	0	0	0	0	4	25	0
Agra (Aerodrome)																											
	0530	169	1007·9	988.5	..	20.0	15·5	11.9	13.9	60	..	3·1	..	5.7	0	0	17	7	1	2	0	0	0	2	4	13	1
	0830	,,	1009.1	989.7	..	25.6	18.3	12.9	14.9	47	..	3.2	..	10.1	0	5	21	7	2	1	1	1	4	2	8	4	0
	1130	,,	1009.2	990.6	..	32·5	20.2	12.6	14.6	32	..	2.7	..	16.6	0	12	17	10	2	0	0	3	2	2	9	1	1
	1730	,,	1005.6	987.0	..	33.6	19.8	9.6	11.9	25	..	4.2	..	17.6	0	10	16	8	3	0	0	1	0	3	13	2	0
	2330	,,	1007·9	998.8	..	24.3	17.5	12.6	14.6	50	..	2.4	..	4.9	0	0	16	3	3	3	0	0	1	1	5	14	0
Orai .	0830	141	1009·7	993.8	..	28.7	20.3	15.0	17.1	45	..	1.3	..	..	0	0	29	4	2	1	3	2	3	2	12	1	0
	1730	,,	1006.3	990.9	..	35.9	24·1	17.7	20.2	40	..	0.6	..	..	0	0	30	1	2	1	2	0	1	0	23	0	0
Jhansi . . .	0830	251	1009.4	981.8	+1.6	26.2	17.3	10.1	12.3	38	+9	1.9	+0.8	1 2	0	0	14	2	1	0	0	5	0	1	5	16	0
Punjab (including Delhi)	1730	,,	1004.0	977.0	..	35.5	20.2	8.9	11.4	20	..	2.8	..	2.0	0	0	18	4	0	8	0	4	0	1	1	12	0
Pathankot	0530	312	1009.3	973.4	..	18.2	14.3	11.1	13.2	65	..	4.4	..	9.3	0	4	20	8	11	5	0	0	0	0	0	6	0
	0830	,,	1010.1	974.7	+1.7	22.0	16.0	11.1	13.2	51	+17	4.0	+1.1	9.3	0	4	21	7	8	7	1	1	0	1	0	5	0
	1130	,,	1010·1	975.3	..	27.2	17.7	10.3	12.5	36	..	4.5	..	8.4	0	2	25	4	5	1	3	3	3	5	3	9	0
	1730	,,	1007.2	972.6	..	27.8	17.8	9.5	11.9	36	..	4.8	..	12.2	0	6	23	1	1	3	1	2	1	12	8	1	0
	2330	,,	1009.9	974·3	..	20.3	16.0	12.8	14.8	64	..	4.2	..	6.5	0	1	18	3	9	3	1	1	0	1	1	11	0
Bhuntar . . .	0830	1096	1511·6	893.2	..	12·9	10 6	8·6	11.2	76	..	4.3	..	5.8	0	2	22	7	5	2	2	3	0	0	5	6	0
	1130	,,	1511.0	892.4	..	18.1	12.9	8·6	11.2	55	..	4.4	..	6.1	0	2	25	2	1	5	4	5	0	0	4	3	0
	1730	,,	1487.3	889.7	..	20.1	13.9	8.9	11 4	52	..	5.5	..	8.3	0	4	25	3	2	2	5	6	1	3	5	1	0
Amritsar (Rajasansi)	0530	234	1009.2	982.0	..	16.9	15·1	13.7	15.7	82	..	4.1	..	7.5	0	1	24	4	7	3	0	1	0	3	7	5	0
	0830	,,	1010.4	983.6	+2.2	21.2	17.1	14.2	16.2	67	+18	4.3	+2.2	8.5	0	3	20	8	2	4	1	0	0	1	7	7	0
	1130	,,	1010.5	984.2	..	26.9	19.3	13.9	15.9	48	..	4.0	..	11.5	0	2	26	4	1	5	2	0	2	4	10	2	0
	1430	,,	1008.8	982.7	..	29.0	19.7	13.1	15.1	41	..	4.4	..	11.9	0	3	26	5	1	4	2	1	2	0	13	1	0
	1730	,,	1007.7	981.5	..	27.8	19.3	13.2	15.2	45	..	4.6	..	14.7	0	6	24	5	0	3	1	1	1	4	15	0	0
	2030	,,	1009.1	962.4	..	22.4	17.9	14.7	16.2	64	..	4.1	..	9.4	0	3	22	6	3	1	1	1	0	4	9	5	0
Adampur (Aerodrome)	0830	249	1010 0	981.6	..	21.9	18.1	15.5	17.6	69	..	4.0	..	8.8	0	2	19	4	1	3	2	0	0	4	7	9	0
	1730	,,	1007·6	979.8	..	27.8	19.3	13.4	15.4	43	..	4.8	..	17.3	0	10	18	2	0	2	1	2	2	7	10	2	0
Ludhiana . .	0830	247	1009.7	981.6	+2.1	22.8	18.0	14.9	6.9	63	+17	3.7	+1.9	2.9	0	0	27	1	3	1	5	1	3	2	11	3	0
	1730	,,	1006·8	979.4	..	29.1	20.9	16.0	8.7	48	..	3.7	..	4.5	0	1	27	2	9	0	1	1	3	1	11	2	0
Ferozepur . .	0830	200	1010·5	987.6	..	21·0	17·2	14.6	16·6	68	..	2·8	..	2·4	0	0	21	9	2	2	2	1	0	0	5	9	0
	1730	,,	1007.7	985.3	..	28.9	20.0	13.8	15.8	44	..	3.7	..	4.0	0	1	24	13	2	0	1	2	0	0	7	5	0
Halwara (Aerodrome)	0830	242	1010.0	982.3	..	22.4	17.5	14.0	16.0	61	..	4.1	..	8.6	0	2	25	7	1	2	3	2	0	1	11	3	0
	1730	,,	1007.3	980.4	..	28.8	18.9	11.4	13.5	37	..	4.3	..	11.4	0	2	25	6	1	0	2	2	0	5	11	3	0
Chandigarh . .	0830	347	1008 5	969.5	+1.2	24.7	17.2	11.4	13.5	45	+7	2.1	+1.0	1.7	0	0	11	0	0	0	3	0	0	0	8	19	0
	1730	,,	1006.3	967.3	..	29.0	18.3	10·0	12.3	33	..	3·2	..	3.2	0	0	28	0	3	0	4	0	1	0	20	2	0

TABLE III—SUMMARY OF OBSERVATIONS AT FIXED HOURS—APRIL, 1965 (CHAITRA 11—VAISAKHA 10, 1887 SAKA)

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p. m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperatrue in °C: Dry bulb	Mean temperatrue in °C: Wet bulb	Mean temperatrue in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Punjab (Including Delhi—(*Contd.*)																											
Ambala	0830	272	1008.9	978.1	+1.6	23.2	16.6	11.6	13.7	49	+12	2.3	+0.5	0.2	0	0	3	0	0	0	0	0	1	1	1	27	0
	1730	,,	1006.9	976.5	..	28.7	20.2	14.5	16.5	45	..	1.3	..	2.1	0	0	20	0	2	0	11	0	2	0	5	10	0
Ambala(P.B.O.)	0230	278	1008.0	976.3	..	22.1	16.0	12.1	14.1	53	..	3.1	..	9.4	0	3	23	4	1	0	2	0	3	4	12	4	0
	0530	,,	1007.8	976.0	..	20.6	15.5	12.0	14.0	60	..	3.8	..	6.5	0	1	19	5	1	0	2	0	1	0	11	10	0
	1130	,,	1009.2	978.2	..	29.0	18.4	12.1	14.1	37	..	4.5	..	9.7	0	6	16	1	1	0	5	0	0	3	12	8	0
	1430	,,	1007.3	976.6	..	30.5	18.2	11.1	13.2	33	..	3.2	..	11.0	0	3	24	4	1	0	2	1	6	3	10	3	0
	2030	,,	1007.7	976.5	..	26.2	17.7	12.3	14.3	45	..	3.7	..	9.4	0	2	24	6	4	0	0	1	0	6	9	4	0
	2330	,,	1008.3	976.9	..	24.3	16.7	11.9	13.9	48	..	3.5	..	9.4	0	4	19	2	2	2	2	0	1	2	12	7	0
Ambala (Aerodrome)	0530	274	1008.2	976.5	..	17.5	14.7	12.4	14.4	71	..	3.4	..	7.0	0	2	14	3	0	0	2	0	1	0	9	14	1
	0830	,,	1009.0	977.9	..	23.3	17.6	13.6	15.6	56	..	3.6	..	8.7	0	1	19	1	2	2	1	0	0	1	12	10	1
	1130	,,	1009.0	978.5	..	29.2	19.2	11.8	13.8	37	..	4.1	..	15.9	0	11	13	2	2	1	3	1	0	1	14	6	0
	1730	,,	1006.2	975.8	..	28.9	19.1	12.8	13.8	38	..	4.2	..	11.7	0	11	12	3	2	0	1	0	1	4	12	7	0
	2330	,,	1008.5	977.3	..	21.7	16.7	12.7	14.6	60	..	3.4	..	11.5	0	5	13	2	1	1	2	0	0	2	10	12	0
Patiala	0830	251	1009.8	981.3	..	23.7	17.7	13.4	15.5	55	..	4.3	..	5.0	0	0	20	2	0	0	1	0	0	0	17	10	0
	1730	,,	1007.2	979.4	..	29.1	19.2	11.9	13.8	38	..	4.5	..	8.1	0	1	20	2	2	0	4	0	0	0	13	9	0
Bhatinda	0830	211	1010.3	986.5	..	25.8	20.0	16.3	18.5	58	..	(b) 1.8	..	(b) 3.9	0	0	23	0	2	0	3	0	3	0	15	6	0
	1730	,,	1006.6	983.4	..	30.7	21.7	15.2	17.3	41	..	(b) 1.7	..	(b) 2.6	0	0	20	1	1	0	3	0	0	0	15	9	0
Karnal	0830	249	1008.6	980.7	..	27.1	18.9	13.0	15.0	44	..	0.5	..	..	0	0	23	1	0	0	1	0	3	1	17	7	0
	1730	,,	1006.2	978.4	..	30.2	19.0	10.5	12.6	33	..	(b) 2.3	..	..	0	0	22	4	5	0	1	0	1	2	9	7	0
Hissar	0530	221	1008.5	983.0	..	18.9	17.0	15.9	18.1	82	..	2.6	..	3.5	0	0	23	1	3	5	0	1	1	3	6	7	0
	0830	,,	1010.3	985.1	+2.2	23.1	19.7	17.6	20.1	73	+32	2.9	+1.5	3.5	0	0	26	5	2	3	2	1	3	6	4	4	0
	1130	,,	1009.8	985.3	..	30.2	23.4	19.7	22.9	55	..	1.4	..	9.1	0	1	29	1	2	1	3	2	3	6	9	0	0
	1730	,,	1006.4	982.1	..	32.1	24.5	20.8	24.6	51	..	1.1	..	7.1	0	0	28	4	0	0	1	3	4	8	8	2	0
	2330	,,	1008.9	983.8	..	23.3	19.5	17.0	19.4	69	..	2.7	..	3.5	0	0	24	5	1	3	0	1	2	5	7	6	0
New Delhi (Safdarjung)	0230	216	1008.0	983.3	..	22.8	16.7	11.8	13.8	53	..	3.1	..	8.9	0	2	21	2	1	2	1	1	0	3	13	7	0
	0530	,,	1007.9	983.1	..	21.2	16.1	11.9	13.9	58	..	3.2	..	7.7	0	1	21	1	2	0	1	0	2	3	13	8	0
	0830	,,	1009.5	984.9	+1.7	24.2	17.5	12.6	14.6	50	+18	2.8	+1.3	8.9	0	11	16	2	2	1	0	1	1	8	12	3	0
	1130	,,	1009.5	985.4	..	30.6	19.2	10.4	12.6	31	..	3.2	..	15.1	0	10	18	2	3	0	1	2	2	7	11	2	0
	1430	,,	1007.1	983.3	..	32.7	19.6	9.5	11.9	26	..	3.7	..	17.0	0	15	13	1	1	1	1	1	2	5	16	2	0
	1730	,,	1006.0	982.1	..	31.8	19.2	9.2	11.6	28	..	4.1	..	15.6	0	3	25	2	1	2	1	1	2	7	12	2	0
	2030	,,	1007.5	983.3	..	27.5	18.4	11.4	13.5	40	..	3.3	..	6.8	0	1	21	1	2	1	1	0	0	4	10	8	0
	2330	,,	1008.4	983.9	..	25.1	17.5	11.4	13.5	46	..	3.1	..	7.8	0	7	16	2	4	1	0	0	1	3	12	7	0
Palam (Aerodrome)	0230	233	1008.2	981.6	..	22.1	16.4	11.7	13.7	56	..	3.0	..	9.2	0	1	27	5	2	5	3	0	3	1	6	2	0
	0530	,,	1008.2	981.5	..	20.5	15.5	11.3	13.4	58	..	3.0	..	9.7	0	1	28	5	2	5	3	0	3	5	6	1	0
	0830	,,	1009.7	983.3	..	23.5	17.8	13.6	15.6	56	..	3.4	..	9.3	0	2	26	1	2	3	2	0	3	6	8	2	0
	1130	,,	1009.8	983.8	..	30.2	19.9	12.5	14.5	37	..	3.3	..	16.9	0	11	19	7	1	3	1	0	1	5	12	6	0
†	1430	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1006.2	980.5	..	32.2	20.4	11.7	13.7	32	..	1.3	..	16.8	0	12	18	5	1	0	0	1	2	5	16	0	0
†	2030	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2330	,,	1008.5	982.3	..	25.0	17.5	11.7	13.7	46	..	3.6	..	9.9	0	2	28	8	4	5	3	0	1	3	6	0	0
Himachal Pradesh																											
Mandi	0830	761	1014.4	928.5	+3.4	16.2	13.4	11.2	13.3	73	+6	3.7	+1.4	0.5	0	0	3	0	0	0	0	0	2	1	0	27	0
	1730	,,	1009.6	926.2	..	24.3	16.3	10.2	12.4	45	..	5.0	..	0.3	0	0	5	0	0	0	0	0	4	0	1	25	0
Bilaspur	0830	587	1012.3	945.7	..	18.2	14.6	11.8	13.8	68	..	..	..	0.9	0	0	5	0	0	2	0	0	1	1	1	25	0
	1730	,,	1007.9	943.3	..	25.7	17.6	12.2	14.2	44	..	..	..	2.8	0	0	21	2	2	3	1	2	1	8	2	9	0
Jammu and Kashmir.																											
Misgar (R)	0830																										
(R)	1730																										
Gilgit (R)	0830																										
(R)	1730																										
Skardu (R)	0830																										
(R)	1730																										
Leh	0530	3514	..	..	..	1.4	−4.7	−11.5	2.3	48	..	4.2	..	4.4	0	0	22	9	13	0	0	0	0	0	0	8	0
	0830	,,	..	..	..	5.1	1.1	−4.9	4.1	46	−4	4.2	0	5.3	0	0	13	1	0	0	0	8	4	0	0	17	0
	1730	,,	..	..	..	9.4	5.6	2.4	7.3	63	..	5.1	..	5.0	0	0	30	0	2	0	1	17	8	2	0	0	0
Srinagar	0830	1587	1517.7	843.1	+1.0	9.2	7.9	6.7	9.8	85	0	5.8	+1.7	4.8	0	0	26	2	1	2	6	0	0	3	12	4	0
	1130	,,	1520.2	843.4	..	12.4	9.3	6.9	9.9	71	..	5.5	..	4.5	0	0	26	2	1	2	7	4	0	0	10	4	0
	1430	,,	1508.8	842.4	..	14.1	10.0	6.6	9.7	63	..	5.6	..	6.5	0	0	29	0	0	3	5	1	0	2	18	1	0
	1730	,,	1500.9	841.5	..	13.8	9.7	6.0	9.4	63	..	6.0	..	6.9	0	0	27	4	0	1	3	1	0	0	18	3	0
	2030	,,	1508.1	842.2	..	11.3	8.8	6.5	9.7	74	..	5.3	..	5.1	0	1	18	3	0	2	0	1	0	1	12	11	0

(b) Mean of 29 days. †Data not available. (R) Register not received.

TABLE III—SUMMARY OF OBSERVATIONS AT FIXED HOURS—APRIL 1965 (CHAITRA 11—VAISAKHA 10, 1887 SAKA)

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in Millibars: At mean sea level or height in g.p. m. of nearest standard isobaric level	Mean pressure in Millibars: At station level	Mean pressure in Millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Jammu and Kashmir—(*Contd.*)																											
Srinagar (Aerodrome)	0530	1666	1504·2	833·8	..	7·0	6·0	5·0	8·7	87	..	6·0	..	2·1	0	0	10	1	0	0	3	1	1	1	3	20	0
	0830	,,	1513·6	835·0	..	8·9	7·3	5·7	9·2	82	..	5·9	..	5·1	0	0	21	2	0	0	3	1	1	4	10	9	0
	1130	,,	1516·5	835·3	..	12·1	8·9	6·0	9·3	67	..	5·9	..	6·4	0	3	15	3	1	2	2	1	0	1	8	12	0
	1730	,,	1495·2	833·4	..	13·4	9·4	5·9	9·3	63	..	6·5	..	8·6	0	0	26	2	2	2	0	1	1	0	18	4	0
	2330	,,	1510·7	834·6	..	9·0	7·3	5·6	9·1	80	..	4·9	..	3·0	0	1	10	2	1	0	0	0	2	1	5	19	0
Gulmarg	0830	2655						Closed	During Winter Month																		
	1730	,,						Closed	During Winter Month																		
Qazigund	0830	1690	..	..	..	9·3	7·7	6·2	9·5	82	..	5·8	..	1·3	0	0	16	0	2	0	1	2	2	8	1	14	0
	1730	,,	..	..	..	13·3	10·1	7·5	10·4	70	..	6·4	..	3·1	0	0	24	2	0	0	4	2	5	6	5	6	0
Banihal	0830	..	..	..	..	10·6	7·8	4·9	8·7	71	..	5·6	..	3·4	0	1	7	0	0	0	0	0	0	0	8	22	0
	1730	..	..	..	..	15·2	9·9	5·1	8·8	54	..	6·1	..	5·1	0	0	14	0	0	0	0	1	0	0	13	16	0
Jammu	0830	..	..	..	..	20·6	17·1	14·5	16·5	69	+29	3·8	+1·3	5·8	0	0	26	7	8	1	2	0	0	0	1	4	7
	1730	..	..	..	..	26·9	19·3	13·9	15·9	47	..	1·1	..	6·7	0	0	29	0	0	0	0	0	0	0	0	1	29
Jammu (Aerodrome)	0530	292	1009·6	975·7	..	18·2	15·3	13·0	15.0	73	..	4·1	..	7·4	0	3	15	2	13	1	0	1	0	0	1	12	0
	0830	,,	1010·4	976·7	..	21·1	16.3	12·6	14·6	60	..	4·6	..	7·9	0	1	19	2	11	1	2	0	0	2	2	10	0
	1130	,,	1010·7	977·6	..	25·3	18·5	13·9	15·9	52	..	4·6	..	10·1	0	1	25	3	5	2	1	1	4	5	5	4	0
	1730	,,	1007·8	975·0	..	26·9	17·1	13·2	15·2	44	..	4·9	..	10·1	0	1	23	1	4	1	3	2	2	9	5	3	0
	2330	,,	1009·9	976·3	..	20·6	16·3	12·9	14·8	64	..	3·9	..	6·7	0	4	9	3	5	3	1	0	0	0	1	17	0
Rajasthan (West)																											
Ganganagar	0530	177	1008·9	988·4	..	18·8	15·5	13·0	15·0	70	..	2·0	..	1·1	0	0	9	0	1	2	1	0	0	3	2	21	0
	0830	,,	1010·2	989·8	+2·4	21·5	16·9	13·6	15·6	62	+23	2·0	+0·7	4·0	0	0	22	3	5	5	3	2	1	1	2	8	0
	1130	,,	1009·9	990·1	..	29·2	18·9	11·3	13·4	36	..	3·0	..	4·4	0	0	27	2	5	2	4	1	3	3	7	3	0
	1730	,,	1006·7	987·1	..	30·8	18·9	9·7	12·0	29	..	4·2	..	4·9	0	0	25	6	4	0	2	0	1	3	9	5	0
	2330	,,	1009·2	988·9	..	22·8	17·2	13·1	15·1	56	..	0·8	..	1·7	0	0	7	0	3	2	0	1	0	0	1	23	0
Anupgarh (R)	0830	154																									
(R)	1730	,,																									
Mahajan	0830	187	1009·3	988·4	..	24·0	18·7	15·2	17·3	60	..	..	..	(c) 6·5	0	1	27	4	0	6	6	2	4	1	5	0	0
	1730	,,	1005·1	984·1	..	31·1	23·0	18·4	21·4	48	..	..	..	(d) 5·8	0	0	27	3	1	2	1	0	5	6	9	0	0
Churu	0830	291	1010·5	977·4	..	23·8	15·8	8·5	11·1	41	..	2·4	..	6·4	0	0	27	6	0	4	4	5	4	2	2	3	0
	1730	,,	1006·0	974·7	..	32·7	17·3	1·6	6·9	16	..	4·1	..	12·9	0	7	21	7	2	1	0	1	4	6	7	2	0
Bikaner	0830	224	1009·9	984·5	+2·2	23·6	15·6	8·2	10·9	41	+13	1·5	+0·1	6·0	0	1	29	5	5	6	5	4	2	0	3	0	0
	1730	,,	1005·7	981·2	..	33·5	18·0	3·5	7·9	16	..	2·3	..	8·7	0	4	26	5	2	1	1	1	6	2	12	0	0
Bikaner P.B.O.	0530	224	1008·8	983·0	..	20·4	14·9	9·9	12·2	54	..	3·5	..	2·3	0	0	12	1	4	1	1	2	2	0	1	18	0
	1130	,,	1009·3	984·7	..	31·6	18·4	7·7	10·5	25	..	3·4	..	7·7	0	1	28	3	6	1	5	3	5	2	3	1	0
	2330	,,	1008·8	983·5	..	26·0	16·4	7·5	10·4	34	..	2·6	..	7·9	0	2	21	3	12	2	1	0	2	1	2	7	0
Nagaur	0830	298	1010·6	976·3	..	26·8	20·7	16·2	18·4	57	..	3·3	..	6·8	0	0	30	5	4	6	3	5	4	0	3	0	0
	1730	,,	1005·3	973·2	..	33·9	23·8	18·8	21·7	43	..	4·1	..	7·6	0	2	28	7	1	1	1	4	5	4	7	0	0
Phalodi	0830	234	1010·4	983·6	..	24·0	16·6	10·3	12·5	45	..	2·8	..	8·4	0	1	28	4	4	3	7	6	3	0	2	1	0
	1730	,,	1007.1	981.3	..	33.9	20.5	10.2	12.4	27	..	4.1	..	1.9	0	4	26	4	4	2	1	2	3	8	6	0	0
Jaisalmer	0830	242	1009.2	982.0	..	24.6	16.8	10.6	12.8	43	..	4.4	..	11.2	0	3	24	5	5	2	2	5	6	1	1	3	0
	1730	,,	1005.6	979.1	..	33.5	19.5	9.2	11.6	23	..	5.2	..	16.2	0	8	22	6	3	0	0	8	9	2	2	0	0
Jodhpur	0230	224	1007.9	982·6	..	25.8	15.3	4.8	8.6	26	..	2.2	..	11.4	0	3	26	7	9	0	0	1	0	8	4	1	0
	0530	,,	1008.2	982.6	..	22.9	14.8	7.2	10.1	37	..	2.8	..	9.0	0	4	20	6	13	0	1	1	1	1	1	6	0
	0830	,,	1010·0	984·7	+2·8	26.0	16.3	7.5	10.4	33	+1	3.8	+2·1	8.9	0	2	22	4	9	3	1	2	3	2	0	6	0
	1130	,,	1009·9	985·0	..	32.8	18.5	6.3	9.5	20	..	3.7	..	11.0	0	2	26	0	4	5	3	4	9	2	1	2	0
	1430	,,	1006·5	982 7	..	35.3	18.6	3.0	7.6	14	..	4.6	..	13.1	0	5	25	2	3	1	2	4	5	10	3	0	0
	1730	,,	1005.8	981.6	..	35.4	18.7	3.2	7.7	14	..	4.7	..	10.0	0	3	24	0	2	2	2	1	6	8	6	3	0
	2030	,,	1007.3	982.5	..	31.5	17.7	5.3	8.9	20	..	3.6	..	9.1	0	4	22	2	3	1	0	0	6	8	6	4	0
	2330	,,	1008.4	983.3	..	27.9	16.2	4.7	8.5	24	..	2.4	..	11.1	0	3	25	7	5	0	0	0	3	7	6	2	0
Barmer	0530	194	1007.5	985.4	..	24.0	18.4	14.3	16.3	56	..	2.2	..	7.9	0	1	28	2	0	0	0	1	3	7	16	1	0
	0830	,,	1009.3	987.3	+0·9	25.2	19.5	15.5	17.6	56	+3	3.6	+2·3	5.1	0	0	26	11	2	1	1	1	3	1	5	4	0
	1130	,,	1009.1	987.6	..	32.8	23.4	17.9	20.5	44	..	4.0	..	7·5	0	0	30	3	5	2	3	4	7	1	5	0	0
	1730	,,	1005.3	984.0	..	35.3	24.3	17·5	20.0	38	..	4.3	..	8.1	0	1	29	0	1	1	3	3	6	6	10	0	0
	2330	,,	1007.9	986.1	..	28.8	20.7	15.0	17.0	45	..	1.7	..	8.1	0	1	27	1	1	0	0	1	4	8	13	2	0
Munabao	0830	280	1010.7	1001.5	..	22.9	18.7	15.2	17.3	75	..	0	..	2 7	0	0	21	1	6	0	3	0	7	1	3	9	0
	1730	,,	1007.4	998.6	..	35.1	25.9	20.7	24.4	47	..	0	..	7.9	0	0	28	2	2	0	2	0	17	3	2	2	0

(c) Mean of 28 days. (d) Mean of 27 days. (R) Register not received.

TABLE III—SUMMARY OF OBSERVATIONS AT FIXED HOURS—APRIL, 1965 (CHAITRA 11—VAISAKHA 10, 1887 SAKA)

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p. m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Rajasthan (East)																											
Pilani	0830	301	1010·7	976.7	..	23.7	17.2	12.2	14.2	51	..	2.1	..	8.7	0	2	28	4	3	3	4	3	6	3	4	0	0
	1730	,,	1006.6	973.5	..	31.9	18.4	6.8	9.9	23	..	3.7	..	14.3	0	8	22	4	4	0	1	1	3	9	8	0	0
Sikar	0830	433	1009.5	961.3	..	25.1	17.6	11.6	14.0	45	..	2.5	..	0.8	0	0	12	0	2	0	0	0	0	2	3	18	0
	1730	,,	1005.4	958.7	..	32.8	18.8	6.6	10.3	25	..	3.2	..	2.0	0	0	29	1	1	0	3	1	3	7	13	1	0
Alwar	0830	271	1008.6	978.2	..	26.1	19.6	15.8	17.9	54	..	5.8	..	2.6	0	0	21	5	3	2	0	2	4	0	4	9	1
	1730	,,	1005.5	975.8	..	33.3	23.0	17.0	19.4	39	..	4.6	..	2.1	0	0	21	3	0	1	1	0	3	2	10	9	1
Jaipur (Sanganer)	0230	390	1007.7	964.0	..	22.7	14.7	7.1	10.1	39	..	2.4	..	4.7	0	0	22	6	6	6	0	0	0	0	4	8	0
	0530	,,	1008·0	963·9	..	21.6	14·2	7·0	10·0	42	..	2·9	..	4.5	0	0	21	4	6	8	1	0	0	0	2	9	0
	0830	,,	1009.5	965.9	+0.9	25.6	16.4	8.2	10.9	36	+6	3.0	+1.6	4.9	0	0	21	3	4	8	2	0	0	0	4	9	0
	1130	,,	1008.9	966.1	..	31·2	17.7	5.5	9.0	22	..	3.6	..	7.5	0	1	25	3	2	2	1	2	2	4	10	4	0
	1430	,,	1006.4	964.0	..	33.5	18.1	3.5	7.9	17	..	4.0	..	9.1	0	0	28	3	0	0	1	3	2	8	11	2	0
	1730	,,	1005.1	992.8	..	32.9	17.8	3.6	7.9	18	..	4.7	..	9.9	0	3	24	3	1	1	1	0	1	5	15	3	0
	2030	,,	1007.1	963.9	..	27.9	16.5	6.0	9.3	26	..	3.6	..	3.4	0	0	24	9	2	3	1	0	0	1	8	6	0
	2330	,,	1008.1	964.4	..	25.1	15.4	6.1	9.4	31	..	2.9	..	4.5	0	0	25	7	1	4	1	0	0	0	5	5	7
Dholpur	0830	176	1009.0	989.2	..	26.9	20.8	17.0	19.4	56	..	1.8	..	2.0	0	0	15	6	2	0	1	0	0	1	5	15	0
	1730	,,	1004.6	985.4	..	34.7	24.7	19.2	22.2	41	..	2.4	..	4.0	0	1	19	3	4	0	1	0	0	3	9	10	0
Ajmer	0830	486	1010.1	956.1	+1.2	25.4	15.9	8.4	11.0	36	+6	3.7	+2.3	5.4	0	0	25	0	9	0	6	4	3	2	1	5	0
	1730	,,	1005.2	952.8	..	33.0	17.9	6.1	9.4	19	..	5.1	..	9.5	0	0	29	0	1	0	2	1	7	12	6	1	0
Tonk	0830	272	1008.8	978.4	..	26.4	19.5	14.8	16.8	50	..	2.7	..	5.6	0	0	30	3	3	6	5	0	0	3	10	0	0
	1730	,,	1004.2	974.4	..	34.5	23.8	16 8	19.1	39	..	3.8	..	8.1	0	0	30	4	0	1	1	0	3	8	13	0	0
Bhilwara	0830	425	1010.0	963.1	..	26.5	16.3	6.9	9.9	32	..	4.7	..	5.8	0	0	25	4	10	0	0	0	3	1	7	5	0
	1730	,,	1005.2	959.3	..	34.1	18.1	4.1	8.2	16	..	5.7	..	8.1	0	0	28	5	1	1	2	1	6	1	11	2	0
Kota	0830	257	1009.6	980.9	+1·3	29.2	18.5	10.9	13.0	33	+8	2.4	-1.0	1.9	0	1	8	2	0	0	0	0	0	0	7	21	0
	1730	,,	1005.0	977.1	..	34.7	19.9	8.1	10.8	21	..	3.9	..	6.3	0	3	12	3	2	0	0	0	0	0	10	15	0
Kota (Aerodrome)	0530	274	1007.9	976.9	..	24.0	14.8	5.8	9.3	33	..	1.8	..	5.9	0	0	29	0	2	2	2	0	2	16	5	1	0
	0830	,,	1009.7	979.1	..	27.9	16.6	6.1	9.4	27	..	2.4	..	5.8	0	0	27	3	3	6	2	1	1	4	7	3	0
	1130	,,	1009.4	979.3	..	33·1	18.0	4.1	8.2	18	..	2.3	..	8.0	0	0	30	2	5	6	5	0	4	3	5	0	0
	1730	,,	1005.0	975.2	..	35.5	18.7	3.4	7.8	15	..	4.1	..	10.1	0	3	26	3	4	5	0	0	4	1	12	1	0
	2330	,,	1007.7	977.3	..	29.0	16.4	4.6	8.5	22	..	2.3	..	8.9	0	0	29	3	2	7	1	0	1	11	4	1	0
Erinpur (Jawai Dam)	0830	295	1010.3	976.9	..	25.3	20.1	16.8	19.1	60	..	3.2	..	2.2	0	0	12	0	1	0	0	7	4	0	0	18	0
	1730	,,	1005.7	973.4	..	34.1	26.5	22.8	27.8	53	..	4.2	..	4.6	0	0	25	2	1	0	0	1	4	12	5	5	0
Chambal (Rawat Bhatta Dam)	0830	351	1009.8	970.7	..	27.3	18.7	12.3	14.3	41	..	1.1	..	4.0	0	2	14	4	3	3	0	0	2	1	3	14	0
	1730	,,	1004.6	966.7	..	35.3	22.5	14 0	16.0	30	..	2.9	..	10.4	0	1	26	1	2	1	2	0	2	3	16	3	0
Udaipur	0230	.	1008.6	944.3	..	22.7	16.4	11.8	13.9	52	..	1.9	..	0.6	0	0	4	0	0	1	0	0	0	1	2	26	0
	0530	582	1008 8	943.8	..	21.4	15.5	11.0	13.1	54	..	2.5	..	1.7	0	1	4	0	0	0	0	0	1	1	3	25	0
	0830	,,	1009.7	945.7	+1.1	26.4	18.3	13.1	15.1	45	+5	3.4	+2.4	0.6	0	0	3	0	1	0	0	0	1	1	0	27	0
	1130	,,	1008.8	945.9	..	31.9	20.6	13.3	15.3	35	..	3.8	..	3.3	0	0	18	2	3	2	1	3	5	2	0	12	0
	1730	,,	1004.8	942.6	..	33.4	21.0	13.3	15.3	33	..	4.0	..	3.9	0	0	17	0	1	1	0	1	7	5	2	13	0
	2330	,,	1008.8	944.5	..	25.2	17.5	12.1	10.1	46	..	2.0	..	2.6	0	2	5	0	1	0	0	0	2	2	2	23	0
Jhalawar	0830	321	1009.1	973.4	+0.4	29.0	17.0	6.7	9.7	26	—3	1.4	+0.3	5.2	0	0	27	4	7	7	4	1	2	0	2	3	0
	1730	,,	1004.2	969.7	..	36.3	19.2	4.3	8.3	14	..	3.2	..	7.8	0	2	28	7	4	0	0	0	3	7	9	0	0
Banswara	0830	220	1009.2	984.7	..	29.3	17.3	7.2	10.1	26	..	0.1	..	0.8	0	0	18	1	1	6	5	0	3	1	1	12	0
	1730	,,	1004.8	981.0	..	37.3	19.7	4.3	8.3	14	..	0.3	..	7.3	0	0	28	1	1	0	2	0	4	11	9	2	0
Madhya Pradesh (West)																											
Gwalior	0230	207	1007.6	984.1	..	23.4	15.5	8.8	11.2	42	..	2.5	..	3.5	0	0	22	1	0	0	3	4	0	3	11	8	0
	0530	,,	1007.9	984.3	..	22.0	14.9	8.4	11.2	45	..	3.3	..	4.0	0	0	26	3	0	1	1	8	4	1	8	4	0
	0830	,,	2009.5	986.2	+1·7	27.5	17.5	9.2	11.9	34	+8	3.0	-1·8	7.5	0	0	30	9	1	1	4	5	0	3	7	0	0
	1130	,,	1009.2	986.2	..	33.3	18.8	6.6	9.9	21	..	2.7	..	10.6	0	1	29	4	1	1	3	3	2	0	16	0	0
	1430	,,	1006.4	983.8	..	35.7	19.2	4.7	8.8	16	..	3.5	..	10·9	0	2	28	8	1	1	0	1	2	3	14	0	0
	1730	,,	1005.1	982.6	..	34.9	18.9	4.8	8.8	16	..	4.3	..	10.5	0	1	29		1	1	1	0	0	4	18	0	0
	2030	,,	1007.0	983.9	..	29.4	17.8	7.9	10.9	28	..	2.8	..	5.7	0	0	27	5	6	2	0	2	0	2	10	3	0
	2330	,,	1007.9	984.5	..	25.3	16.2	8.1	11.0	36	..	2.2	..	4.5	0	0	22	2	1	1	2	1	4	2	9	8	0
Sheopur	0830	235	1009.6	983.2	+0·8	26.6	16·6	7.8	10.8	32	+5	2.5	+0·6	5.9	0	1	26	4	7	1	3	4	2	3	3	3	0
	1730	,,	1005.3	979.8	..	35.3	19.3	5.2	9.4	18	..	4.4	..	12.1	0	6	24	4	1	1	1	0	1	11	11	0	0
Shivpuri	0830	464	1009.3	957.9	..	27.2	16.0	6.8	10.0	30	..	2.3	..	7.7	0	0	29	2	10	3	4	2	2	2	4	1	0
	1730	,,	1004.3	954.4	..	34.0	17.6	3.8	8.2	16	..	4.1	..	5.2	0	0	21	2	3	0	0	0	0	5	11		0
Nowgong	0830	229	1009·3	983.6	+1.2	26. 8	17.2	9·1	11.9	35	+1	2.4	+0.7	3.8	0	0	22	1	2	2	1	3	9	1	3	8	0
	1730	,,	1005·1	980·1	..	35·4	19 1	5 3	8 9	17	..	2·6	..	4 9	0	0	26	2	1	1	0	0	0	2	20	4	0

Sub-Division and station	Hours of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p. m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew Point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed in km. per hour	Wind speed (Km. p.h.): 62 or more	20 to 61	1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh (West)—(*Contd.*)																											
Guna	0530	478	1008·5	954.6	..	21.1	15.0	10.2	12.7	51	..	1.9	..	4.4	0	0	20	5	2	3	6	2	0	0	2	10	0
	0830	,,	1009.4	956.6	+0·8	27.7	18.7	12.6	15.0	42	+16	2.2	+1·4	5.1	0	0	28	6	4	2	8	4	1	3	0	2	0
	1130	,,	1008.3	956 7	..	33.8	21.6	14.1	16.8	33	..	2.4	..	7.3	0	0	28	0	4	2	5	1	2	4	10	2	0
	1730	,,	1004.4	953.4	..	34.9	21.3	12.3	15.4	29	..	3.8	..	12.3	0	3	27	3	1	1	0	0	1	10	14	0	0
	2330	,,	1008.2	955·1	..	25.7	17.3	11.2	13.6	42	..	1.8	..	5.1	0	0	21	6	4	3	1	1	1	0	5	9	0
Nimach	0830	496	1010.1	955.4	+1·3	27.1	15.0	3.8	8.2	24	−10	3.2	+2·1	9.3	0	1	28	4	10	4	2	0	1	2	2	1	4
	1730	,,	1005 0	951·9	..	34 8	17·3	4.3	6·9	13	..	3·9	..	11·5	0	3	27	2	4	0	0	0	1	10	9	0	4
Rajgarh	0830	382	1009.6	967.1	..	27.2	18.4	11·3	14.0	41	..	1·5	..	6.5	0	0	29	11	4	3	6	2	0	1	2	1	0
	1730	,,	1004.0	963.1	..	37.2	23.3	14.2	17.3	29	..	3.2	..	7.5	0	0	30	10	2	0	0	2	1	9	6	0	0
Sagar	0830	551	1008 9	948 5	+1·0	27.7	16.9	7.9	11 5	34	+8	2.0	+0·6	3.5	0	0	20	0	4	2	1	0	0	7	6	10	0
	1730	,,	1003 8	944.9	..	33 9	19.3	8.1	11.6	24	..	2.7	..	3.1	0	0	27	0	9	0	0	0	0	0	18	3	0
Ratlam	0830	486	1009·4	955.8	+0·4	27 6	17.9	10.9	13.4	37	0	2.1	+0·5	10.1	0	3	26	4	12	1	2	1	0	1	1	1	0
	1730	,,	1004.3	952.2	..	36.1	21.9	13.1	15.9	27	..	4.3	..	11.1	0	0	29	1	0	1	0	2	5	9	11	1	0
Bhopal (Bairagarh)	0230	523	1006 6	949·1	..	25.1	16 1	8.9	12.0	38	..	1.7	..	8.3	0	1	23	11	3	4	3	0	0	1	2	6	0
	0530	,,	1007.9	949.5	..	23.0	15.2	8.7	11.6	41	..	2.8	..	6.8	0	0	23	8	4	3	3	1	0	1	3	7	0
	0830	,,	1008·9	951.6	+0·6	28.7	18.5	11.3	13.8	35	+11	2.7	+1·3	11.4	0	0	28	5	7	9	5	0	1	0	1	2	0
	1130	,,	1007.6	951.3	..	34.1	21 0	12 2	15.3	29	..	2.6	..	11.5	0	2	26	4	1	6	5	3	2	2	5	2	0
	1430	,,	1004.3	948.6	..	36.2	21.7	12.4	15.3	26	..	3.8	..	12.0	0	5	23	6	1	1	4	3	3	4	6	2	0
	1730	,,	1003.5	947.7	..	35.5	21.3	11.7	14.9	26	..	4.3	..	12.5	0	3	24	7	1	0	2	1	1	8	7	3	0
	2030	,,	1006.1	949.3	..	30.5	18.4	9.7	12.3	28	..	2.7	..	6.4	0	0	24	10	5	1	2	0	0	4	2	6	0
	2330	,,	1007.2	949.8	..	27 9	17.4	9.1	11·5	33	..	2.1	..	8.2	0	0	28	8	8	3	1	1	1	1	5	2	0
Ujjain	0830	489	1009.3	955 4	..	27.7	17.8	11.0	13.1	36	..	2.2	..	8.1	0	3	22	4	5	4	2	1	0	1	4	5	0
	1730	,,	1003.9	951.6	..	36.0	21.5	12.7	14.0	25	..	4.8	..	13 1	0	5	25	5	2	1	0	0	1	10	11	0	0
Narsinghpur	0830	356	1009.4	969.8	..	28.0	20.8	16 2	18.6	50	..	..	..	1.1	0	0	14	0	7	1	1	1	0	1	3	16	0
	1730	,,	1003.5	965.4	..	37.1	23.6	15·7	18 1	29	..	..	..	2.4	0	0	26	0	8	0	2	0	0	0	16	4	0
Hoshangabad	0830	302	1009.4	975.7	+0.6	28.9	21.1	16.2	18.6	49	+21	2.5	+1·2	2.7	0	0	30	1	7	1	0	9	12	0	0	0	0
	1730	,,	1003.5	971.1	..	37.1	24.7	17.8	20.9	37	..	3.8	..	3.6	0	0	30	2	9	0	0	2	12	3	2	0	0
Indore	0530	567	1008.1	944 9	..	22.4	13.4	5 2	9 5	33	..	1 9	..	7.0	0	1	19	5	3	2	1	1	2	3	3	10	0
	0830	,,	1009.1	947 0	+0·4	27.9	16.2	6.7	9.9	27	−10	1.7	+0.3	11·5	0	6	19	5	6	7	1	2	1	1	2	5	0
	1130	,,	1007.6	946.7	..	34.0	18.6	6.8	10.1	19	..	1.8	..	11.3	0	4	23	4	8	7	1	1	3	0	1	3	0
	1730	,,	1003.2	943.0	..	35.7	18.5	4.5	8.8	15	..	3.3	..	11.9	0	7	16	2	1	0	0	2	5	7	6	7	0
	2330	,,	1007·8	945.6	..	27.1	15.2	4.8	8.7	24	..	1.9	..	12.8	0	4	24	6	2	2	0	0	3	6	9	2	0
Rajpur (Jhabua)	0830	293	1010.2	977.6	..	27.5	18.0	10.3	12.9	37	..	2.3	..	4.8	0	0	19	0	0	3	0	0	2	12	2	11	0
	1730	,,	1004.6	973.1	..	37.2	19.4	3.6	8.1	13	..	2.7	..	6.7	0	0	29	0	0	0	0	0	2	24	3	1	0
Chhindwara	0830	685	1008.8	934.2	+0·2	27.1	18.4	12.5	14.7	43	+10	2.8	+0·9	6.0	0	0	24	2	7	4	1	1	1	4	4	6	0
	1730	,,	1002.6	930.2	..	34.6	20.8	12.0	14.5	27	..	5.3	..	7.4	0	2	25	9	2	3	1	4	0	6	2	3	0
Seoni	0830	619	1008.5	941.0	+0·5	27.7	18.3	11.8	14.5	40	+10	2.5	+1·0	6.3	0	0	25	3	7	3	3	2	4	2	1	5	0
	1730	,,	1002.8	937.2	..	34.7	20.5	11.2	13.7	26	..	3.5	..	7.6	0	0	30	7	6	3	3	2	5	2	2	0	0
Betul	0830	653	1008.9	937.7	+0·3	26.6	16.4	8.1	11.2	33	+2	2.8	+1.0	4.2	0	0	23	1	1	3	9	3	1	3	2	7	0
	1730	,,	1002.8	933.4	..	35.3	18.3	4.5	8.4	17	..	4.1	..	5.1	0	0	30	7	2	0	1	2	1	4	13	0	0
Khandwa	0830	318	1009.0	973.8	+0.5	29.7	19.7	13.3	14.8	36	+8	1.6	+0·4	3.5	0	0	30	3	1	1	2	3	3	6	11	0	0
	1730	,,	1003.3	969.2	..	38.4	23.2	13.7	16.0	23	..	3.1	..	3.6	0	0	30	2	2	0	2	0	4	1	19	0	0
Madhya Pradesh (East)																											0
Satna	0530	317	1007.8	971.5	..	21.3	15.5	10.7	12.7	54		2.3	..	1.5	0	0	17	2	3	2	1	3	2	4	0	13	0
	0830	,,	1009.3	973.9	+1·6	26.9	17.7	10.1	12.8	39	+10	2.5	+1·0	2.0	0	0	24	1	2	4	1	4	2	8	2	6	0
	1130	,,	1008.4	973.8	..	33.1	19.4	8.5	11.0	25	..	2.6	..	3.3	0	0	24	1	2	1	8	1	1	4	6	6	0
	1730	,,	1004·3	969.6	.	34.5	20.1	8.9	11.8	26	..	2.3	..	4.6	0	0	30	9	0	2	0	0	0	18	1	0	0
	2330	,,	1007.7	972.2	..	26.2	17.4	10.3	12.8	40	..	2.7	..	2.0	0	0	18	4	5	2	1	0	1	3	2	12	0
Rewa	0830	299	1008.9	975.6	..	27.2	18.7	12.4	14.7	44	..	2.3	..	3.1	0	0	26	1	3	1	1	0	8	6	6	4	0
	1730	,,	1004.6	972.5	..	35.4	20.5	9.1	12.0	22	..	2.1	..	4.6	0	0	27	9	2	1	0	0	0	6	9	3	..
Sidhi	0830	272*	1008.7	978.4	..	26.0	19.2	14.5	16.7	52	..	..	..	..	0	0	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1003.4	974.0	..	35.3	..	..	..	..	..	..	..	..	0	0	..	..	..	..	..	..	..	..	..	..	1
Umaria	0830	459	1009.3	958.7	..	28.1	18.6	12.3	14.5	40	+12	3.5	+1·6	4.5	0	0	25	1	2	9	4	2	3	2	1	5	6
	1730	,,	1003.7	954.5	..	35.4	20.3	10.3	12.7	23	..	4.2	..	5.6	0	0	28	9	1	2	0	0	0	3	7	2	0
Jabalpur	0530	393	1008.1	963.7	..	21.6	16.4	12.3	14.5	57	..	3.0	..	0.4	0	0	4	0	1	1	1	0	1	0	0	26	0
	0830	,,	1009.5	966.0	+1·5	28.0	18.7	11.9	13.9	39	+8	3.0	+1·7	2.9	0	0	24	2	10	2	1	5		1	2	6	0
	1130	,,	1007.5	965.3	..	34.9	20 7	10.6	12.6	25	..	3.2	..	3.7	0	0	25	5	5	1	3	2	2	3	4	5	0
	1330	,,	1004.5	962.5	..	37.2	21.1	9.0	11·9	19	..	4.1	..	5.1	0	0	29	7	4	1	0	1	3	5	8	1	0

*Height calculated provisionally.

Sub-Division and station	Hours of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g. p.m. of the nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh (East)—*Contd.* Jabalpur—*Contd.*	1730	393	1003.7	961.5	..	35.9	20.7	9.5	12·0	21	..	4.2	..	4.5	0	0	28	8	5	1	0	2	2	2	8	2	0
	2330	,,	1007.8	964.1	..	26.1	18.1	12·1	14.0	43	..	2.3	..	1.8	0	0	12	1	6	3	1	0	0	0	1	18	0
Ambikapur	0830	611	1009.4	942.4	+0·7	26·4	17.7	11.7	14·0	43	+9	1.9	+0·7	2.9	0	0	15	1	4	0	0	4	6	0	0	15	0
	1730	,,	1003.7	938.4	..	33.0	18.7	8.3	11.1	25	..	2.5	..	5.0	0	0	27	15	0	0	0	0	2	1	9	3	0
Jashpurn gar	0830	*779	1008.4	923.5	..	25.4	16.5	9.6	12.3	40	..	1.1	..	1.3	0	0	15	2	5	0	0	0	0	1	7	15	0
	1730	,,	1004.3	921.4	..	31.0	18.2	8·5	11.5	29	..	1.7	..	3.0	0	0	29	0	4	0	0	0	7	2	16	1	0
Pendra	0530	625	1008.2	939.0	..	22.6	16.1	11.2	13·6	52	..	2.6	..	4.0	0	0	24	12	0	1	0	2	3	1	5	6	0
	0830	,,	1009.0	940.9	+0·9	27.8	18.7	12.5	14.9	42	+11	2.6	+0·6	6.7	0	2	26	12	4	1	1	4	3	0	3	2	0
	1130	,,	1007.6	940.5	..	32.4	20.6	13·2	15.6	34	..	2.3	..	7.7	0	2	27	7	2	1	2	6	4	2	4	1	1
	1430	,,	1004.2	937.8	..	34.1	21.0	12.8	15.3	30	..	3.6	..	10.4	0	5	22	8	3	0	0	7	1	3	4	3	1
	1730	,,	1003.7	937.0	..	32.9	20.4	12.5	14.8	32	..	3.3	..	6.1	0	0	28	16	1	1	4	2	1	1	2	2	0
	2330	,,	1007.8	939.3	..	25.6	17.4	11.4	13.9	44	..	2.3	..	5.1	0	2	24	9	1	1	0	0	2	4	9	4	0
Mandla	0830	443	1009.4	960.2	+0·3	26.0	18.0	12.0	14.1	43	0	2.2	+0·1	0.8	0	0	6	1	0	0	0	4	1	0	0	24	0
	1730	,,	1003·2	955.8	..	35.2	19.6	6.6	10.2	19	..	3.6	..	2.3	0	0	14	6	0	0	0	3	0	0	5	16	0
Champa	0830	245	1009.1	981.7	+0.4	28.6	19.6	13.6	15.5	42	+4	2.8	+0.9	3.5	0	0	27	11	3	2	1	0	2	2	6	3	0
	1730	,,	1003.8	977.4	..	36.6	21.2	10.1	12.6	22	..	3.6	..	3.7	0	0	22	7	0	0	0	0	2	6	7	8	0
Raigarh	0830	220	1009.1	984.3	+0·4	29.9	21.5	15.7	18.8	43	+5	2.0	−0·3	3.5	0	0	29	1	12	2	6	2	2	1	3	1	0
	1730	,,	1003.7	979.8	..	35.9	21.7	12.1	13.7	27	..	2.3	..	2.3	0	0	21	3	4	0	2	0	5	2	5	9	0
Raipur	0530	298	1007.3	973.9	..	25.5	19.3	15.2	17.5	55	..	2.8	..	5.3	0	0	25	4	2	1	2	4	2	5	5	5	0
	0830	,,	1009.2	976.2	+1.0	29.8	20.9	15.2	17.5	43	+9	2.8	+1·1	7.6	0	0	29	1	4	2	2	4	7	4	5	1	0
	1130	,,	1008.0	975.6	..	35.2	22.2	13.7	16.2	30	..	2.7	..	8·7	0	0	30	2	5	1	4	3	5	3	6	0	1
	1430	,,	1004·5	972·5	..	37·7	22·2	11·4	14·1	23	..	3·5	..	7·9	0	0	29	2	4	0	1	1	6	3	6	1	6
	1730	,,	1003·4	971·3	..	36.8	21·8	11·1	13·8	23	..	3·4	..	5.9	0	0	24	3	3	3	0	2	2	4	7	6	0
	2330	,,	1006.5	973.6	..	29.7	20.1	13.5	15.7	39	..	2.0	..	7.1	0	0	27	1	1	3	7	5	7	1	2	3	0
Kanker	0830	402	1009.2	965.1	+0·9	29.8	22.2	18.2	20.5	52	+8	2.5	+0·1	0.9	0	0	8	1	0	0	0	0	6	1	0	22	0
	1730	,,	1004.4	960.4	..	35.5	23.8	17.2	20.6	35	..	3.7	..	1.9	0	0	17	1	1	0	0	0	6	2	7	3	0
Jagdalpur	0530	553	1007.8	946.5	..	23.0	19.3	17.3	19.7	69	..	2.5	..	0·9	0	0	7	1	0	1	0	1	4	0	0	23	0
	0830	,,	1009.3	948.9	+0·3	27.7	21·0	17.3	20.0	54	−2	2.3	+0·5	4.5	0	0	22	0	0	0	2	4	14	1	1	8	0
	1130	,,	1007.4	948.2	..	32.2	21.8	14.8	18.5	34	..	2.7	..	7.0	0	0	29	1	2	0	0	6	10	7	3	1	0
	1730	,,	1003.4	944.4	..	33.6	21.0	13.4	15.7	32	..	5.1	..	8.2	0	2	25	2	3	0	6	3	9	1	3	3	0
	2330	,,	1007.6	947.0	..	26.5	19.9	16.0	18.2	54	..	2.1	..	2.9	0	0	16	0	2	0	0	6	7	1	0	14	0
Gujarat Region Deesa	0830	136	1010.0	994.6	+0·7	25.9	16.7	9.4	11.5	37	..	2·5	..	5.8	0	1	28	0	11	0	3	0	1	0	14	1	0
	1730	,,	1005·9	991·0	..	36·0	19·0	3·5	8·2	13	..	1·4	..	12·1	0	1	29	0	0	0	3	0	9	0	18	0	0
Radhanpur	0830	30	1010·3	1006·9	..	25·7	21·7	19·4	22·7	69	..	0	..	4·8	0	0	30	1	2	1	0	1	5	2	18	0	0
	1730	,,	1007·3	1004.0	..	36·3	27·4	23·2	29·3	49	..	0	..	6·3	0	0	30	0	2	0	0	0	7	2	19	0	0
Idar	0830	219	1009·7	985·3	..	28·8	17·3	6·5	10·4	27	..	3·5	..	5·1	0	0	24	5	3	6	0	1	1	5	3	6	0
	1730	,,	1005·5	981·7	..	36·1	19·0	3·5	8·1	14	..	3·7	..	5·8	0	0	28	2	0	0	0	0	6	17	3	2	0
Ahmedabad	0230	55	1008·0	1001·7	..	26·7	17·2	9·4	11·9	35	..	1·6	..	8·6	0	1	24	4	0	0	0	0	0	5	16	3	0
	0530	,,	1008·1	1001·7	..	24·4	17·1	11·4	13·6	45	..	1·8	..	8·4	0	1	26	6	0	0	0	1	1	3	16	3	0
	0830	,,	1010·0	1003·7	+0·2	27·5	18·7	12·3	14·5	40	−8	2·8	+1·7	11·1	0	3	25	4	3	1	0	0	0	1	19	2	0
	1130	,,	1010.1	1003.9	..	34.6	20.5	10.5	12.7	24	..	2.7	..	12·8	0	4	26	11	1	3	4	0	1	2	8	0	0
	1430	,,	1007.5	1001.4	..	37.7	21.1	8·6	11.5	18	..	2.7	..	10.1	0	1	26	4	1	0	1	1	1	5	14	3	0
	1730	,,	1006.0	999.9	..	37.5	21.0	8.4	11.4	18	..	3.1	..	14.1	0	5	24	6	0	0	0	0	1	8	13	1	1
	2030	,,	1007·4	1001·2	..	32·6	19·5	9·5	12·0	25	..	2·3	..	6.5	0	0	20	3	1	1	0	1	0	3	11	10	0
	2330	,,	1008·6	1002·3	..	29·3	18·5	10·1	12·5	31	..	1·5	..	7·3	0	0	23	3	0	0	0	0	5	3	12	7	0
Dohad	0830	333	1009·5	972·5	+0·1	28·4	16·7	5·8	9·5	26	−14	1·9	+0·6	5·9	0	0	30	2	6	6	3	6	2	3	2	0	0
	1730	,,	1004·7	968·8	..	37·0	18·4	−1·6	6·0	10	..	1·2	..	8·0	0	1	29	0	0	1	0	0	16	5	8	0	0
Vallabh Vidyanagar	0830	44	1009·7	1004·7	..	25·0	17·9	12·5	14·8	47	..	2·4	..	5·1	0	0	28	6	3	1	0	1	3	5	9	2	0
	1730	,,	1005·9	1001·1	..	37·4	20·3	6·3	9·9	15	..	2·7	..	6·5	0	0	29	2	1	0	0	1	6	9	10	1	0
Baroda (Aerodrome)	0830	38	1010·1	1005·8	..	27·4	18·7	12·1	14·5	41	..	1·9	..	11·8	0	1	24	9	1	0	0	0	5	3	7	5	0
	1130	,,	1010·0	1005·9	..	34·5	20·5	10·2	12·7	24	..	1·3	..	10·2	0	1	27	6	3	2	0	0	4	6	7	2	0
	1730	,,	1005·8	1001·7	..	37·7	20·4	6·6	9·9	15	..	2·2	..	16·4	0	4	26	0	0	0	0	0	1	15	14	0	0
Baroda	0530	34	1008·1	1004·2	..	24·7	18.0	13·1	15·3	51	..	1·2	..	0·3	0	0	4	0	0	0	0	0	2	1	1	26	0
	0830	,,	1010·3	1006·3	+0·4	27·3	19·2	13·3	15·7	44	−10	1·7	+0·7	0·7	0	0	9	1	0	0	1	0	1	2	4	21	0
	1130	,,	1010·0	1006·2	..	35·4	21·1	11·1	13·4	23	..	1·5	..	1·2	0	0	14	2	2	0	0	0	2	3	5	16	0
	1730	,,	1006·0	1002·2	..	38·5	21·8	9·8	12·5	18	..	2·1	..	2·4	0	0	23	0	0	0	0	0	3	15	5	7	0
	2330	,,	1008·5	1004·6	..	29·0	19·5	12·8	14·9	38	..	1·6	..	0·9	0	0	11	0	0	0	1	0	4	2	4	19	0
Broach	0830	17	1009·7	1007·7	+0·1	26·1	20·0	16·0	18·4	56	−3	2·2	+0·8	4·1	0	0	30	2	3	0	1	1	10	3	10	0	0
	1730	,,	1005·5	1003·6	..	38·3	23·7	14·8	17·4	26	..	1·2	..	5·3	0	0	30	0	3	0	0	0	14	2	11	0	

Hight provisionally calculated.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, km. per hour	Wind speed (K.m. p.h.): 62 or more	Wind speed (K.m. p.h.): 20 to 61	Wind speed (K.m. p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Gujarat Region —(*contd.*)																											
Surat	0530	12	1008.4	1007.1	..	24.6	20.5	18.1	20.8	69	..	0.7	..	7.8	0	0	28	0	4	0	10	0	6	0	8	2	0
	0830	,,	1010.6	1009.3	+0.8	27.5	20.9	16.9	19.4	53	−9	1.6	+0.1	7.7	0	0	29	0	11	0	5	0	3	0	10	1	0
	1130	,,	1010.7	1009.4	..	33.3	21.5	13.8	16.1	32	..	1.5	..	9.8	0	0	30	1	9	0	1	0	3	1	15	0	0
	1730	,,	1006.5	1005.2	..	35.7	21.8	12.5	14.8	26	..	1.8	..	11.7	0	2	28	0	1	0	0	0	9	0	20	0	0
	2330	,,	1009.0	1007.7	..	27.5	22.5	19.8	23.2	64	..	1.1	..	7.2	0	1	25	0	0	0	1	0	13	0	12	4	0
Saurashtra & Kutch (Including Diu)																											
Naliya	0830	21	1010.6	1008.1	..	23.1	20.9	19.4	22.9	82	..	4.3	..	4.5	0	0	24	3	2	0	0	0	3	3	13	6	0
	1730	,,	1008.0	1005.6	..	30.6	22.4	17.4	20.4	47	..	3.1	..	15.7	0	7	23	0	0	0	0	0	17	9	4	0	0
Bhuj (Rudramata)	0230	80	1009.1	999.9	..	24.7	20.9	18.7	21.6	71	..	2.2	..	8.6	0	2	18	2	0	0	0	0	3	5	10	10	0
	0530	,,	1009.1	999.8	..	23.2	20.7	19.0	22.4	80	..	1.9	..	6.9	0	1	18	1	0	0	0	0	4	4	10	11	0
	0830	,,	1010.8	1001.7	+1.6	25.3	21.6	19.5	22.7	71	+21	3.2	+2.2	9.9	0	1	23	5	0	0	0	0	1	7	11	6	0
	1130	,,	1010.8	1002.0	..	31.5	23.0	18.3	21.0	47	..	3.1	..	15.7	0	8	21	11	1	1	0	0	0	2	13	1	0
	1430	,,	1008.4	999.5	..	35.1	23.7	16.8	20.0	36	..	3.7	..	13.7	0	8	16	8	0	0	0	1	3	0	12	6	0
	1730	,,	1007.1	998.2	..	35.3	23.7	17.5	19.7	35	..	3.1	..	15.1	0	7	20	8	1	0	0	0	3	3	12	3	0
	2030	,,	1008.7	999.7	..	30.5	22.6	18.0	21.0	49	..	2.2	..	15.8	0	7	22	3	0	0	0	0	2	8	16	1	0
	2330	,,	1009.9	1000.8	..	26.8	21.6	18.5	21.6	62	..	2.1	..	10.6	0	3	21	1	0	0	0	0	0	11	12	6	0
Kandla Aerodrome	0830	35	1010.9	1007.0	..	25.8	19.5	14.9	17.6	53	..	2.9	..	20.6	0	19	10	1	0	0	1	0	2	5	20	1	0
	1130	,,	1011.0	1007.2	..	33.0	19.9	9.9	12.3	25	..	2.6	..	17.2	0	12	16	6	1	1	1	0	2	5	12	2	0
	1730	,,	1007.2	1003.3	..	35.2	20.3	8.8	11.7	21	..	3.0	..	25.1	0	23	6	2	0	0	1	9	7	5	5	1	0
New Kandla	0830	14	1011.2	1009.5	..	25.5	19.8	16.4	18.5	59	..	3.5	..	11.3	0	1	28	5	0	0	1	1	2	9	11	1	0
	1730	,,	1007.8	1006.2	..	31.9	22.0	15.5	18.3	40	..	3.7	..	24.8	0	22	8	1	0	0	0	2	13	11	3	0	0
Mandvi	0830	9	1010.8	1009.7	+0.4	24.4	21.6	20.0	23.5	77	−2	4.0	+2.4	16.7	0	11	17	2	1	0	0	0	0	8	17	2	10
	1730	,,	1008.4	1007.3	..	28.6	24.2	22.0	26.6	69	..	3.3	..	3.7	0	29	1	0	0	0	0	0	3	25	2	0	2
Surendranagar	0830	74	1010.5	1002.0	+0.6	27.1	21.1	17.4	20.1	56	−2	2.1	+0.8	14.5	0	8	21	2	1	0	0	1	0	9	16	1	0
	1730	,,	1006.1	997.9	..	37.0	24.8	18.2	21.3	34	..	3.2	..	9.6	0	4	25	3	0	0	0	0	0	17	9	1	0
Okha	0530	7	1009.6	1008.8	..	24.7	23.1	22.3	26.9	87	..	2.2	..	24.9	0	24	6	3	0	0	0	0	0	9	18	0	0
	0830	,,	1011.5	1010.7	..	25.5	23.2	22.0	26.6	82	..	2.9	..	20.4	0	13	17	4	0	0	0	0	0	3	23	0	0
	1130	,,	1012.4	1011.6	..	27.0	24.0	22.5	27.4	77	..	3.0	..	21.7	0	20	10	2	0	1	0	0	0	6	21	0	0
	1730	,,	1009.2	1008.4	..	27.0	23.9	22.3	27.3	76	..	2.6	..	30.7	0	28	2	0	0	0	0	0	1	11	18	0	0
	2330	,,	1011.0	1010.2	..	25.2	23.5	22.7	27.6	87	..	2.4	..	27.5	0	26	4	1	0	0	0	0	1	10	18	0	0
Jamnagar (Aerodrome)	0530	23	1009.1	1006.5	..	22.1	20.8	20.0	23.5	89	..	1.8	..	9.0	0	3	18	0	0	0	1	0	2	14	4	9	0
	0830	,,	1010.9	1008.3	+0.8	25.4	22.1	20.3	23.8	74	+8	2.7	+1.4	15.5	0	10	19	2	1	1	0	0	5	8	12	1	0
	1130	,,	1011.4	1008.8	..	30.1	22.1	17.4	20.0	48	..	2.5	..	21.9	0	20	10	7	2	0	0	0	0	8	12	0	0
	1730	,,	1008.0	1005.5	..	30.1	22.5	18.2	21.0	50	..	2.7	..	29.1	0	29	1	1	0	0	0	0	0	17	12	0	0
	2330	,,	1010.1	1007.5	..	24.8	22.5	21.3	25.3	81	..	1.2	..	20.5	0	16	14	0	0	0	0	0	0	25	5	0	0
Dwarka	0830	11	1011.6	1010.3	+1.4	25.9	23.7	22.6	27.6	82	+1	2.4	+0.5	14.1	0	4	26	9	0	0	0	0	0	14	7	0	0
	1730	,,	1009.2	1007.9	..	27.3	24.3	23.0	27.9	78	..	2.0	..	19.1	0	17	13	2	0	0	0	0	0	20	8	0	0
Rajkot	0530	138	1009.1	993.3	..	22.2	19.9	18.5	21.3	80	..	1.3	..	7.9	0	3	20	0	0	0	0	0	1	7	15	7	0
	0830	,,	1010.8	995.1	+0.4	25.2	21.5	19.5	22.7	72	+6	1.7	+0.6	18.2	0	19	9	3	2	0	0	0	0	1	22	2	0
	1130	,,	1010.6	995.3	..	32.1	22.0	15.9	18.2	39	..	1.4	..	18.6	0	15	14	7	6	0	0	0	0	2	14	1	0
	1730	,,	1006.5	991.4	..	35.7	22.5	14.1	16.5	29	..	1.6	..	22.8	0	18	12	2	1	0	0	0	1	4	22	0	0
Bhavnagar (Aerodrome)	0830	11	1010.6	1009.4	+0.8	27.9	19.2	12.9	15.2	41	−4	1.9	+0.6	18.9	0	14	16	8	0	0	1	1	1	1	15	0	0
	1130	,,	1010.7	1009.5	..	34.0	20.6	10.7	13.4	26	..	1.5	..	22.3	0	20	10	8	12	5	1	0	1	1	2	0	0
	1730	,,	1006.3	1005.2	..	36.3	19.9	6.2	9.9	17	..	2.4	..	22.1	0	22	8	1	5	9	9	4	0	0	2	0	0
Porbander Aerodrome	0830	7	1011.1	1010.3	+0.8	25.8	22.2	20.2	23.8	73	−6	2.6	+1.5	14.7	0	9	21	6	1	0	2	0	1	1	19	0	0
	1130	,,	1011.5	1010.7	..	31.2	23.0	18.2	21.4	49	..	2.3	..	20.0	0	17	13	5	1	0	0	0	5	11	8	0	0
	1730	,,	1008.2	1007.4	..	29.9	22.9	18.9	22.1	54	..	2.3	..	29.3	0	27	3	1	0	0	0	0	0	26	3	0	0
Keshod	0830	51	1010.1	1005.1	..	25.2	23.3	17.1	19.7	62	..	1.5	..	14.1	0	8	22	12	8	0	1	0	0	1	8	0	0
	1130	,,	1010.8	1005.1	..	32.4	20.2	11.5	13.7	29	..	1.6	..	18.3	0	13	17	10	3	0	0	0	0	2	15	0	0
	1730	,,	1010.1	1001.4	..	34.3	20.9	11.5	13.7	26	..	1.4	..	31.7	0	27	3	1	0	0	0	0	2	22	5	0	0
Mahuva	0830	9	1007.2	1009.1	..	27.3	20.3	15.9	18.1	51	..	2.2	..	4.0	0	0	21	4	5	0	1	0	2	0	9	9	0
	1730	,,	1010.1	1006.2	..	32.6	22.7	16.9	19.5	41	..	2.0	..	5.5	0	0	29	1	1	0	2	10	15	0	0	1	0
Veraval	0230	8	1009.1	1008.1	..	23.4	20.7	19.0	22.1	77	..	1.5	..	14.3	0	3	27	13	1	0	0	0	0	2	14	0	0
	0530	,,	1008.9	1008.0	..	21.9	19.3	17.5	20.2	77	..	1.6	..	11.6	1	2	27	22	0	0	0	0	0	0	7	1	0
	0830	,,	1010.8	1009.9	+0.7	25.5	20.9	18.0	21.0	65	−9	2.2	+0.5	17.4	0	13	17	22	1	0	0	1	0	0	6	0	0
	1130	,,	1011.2	1010.3	..	30.4	23.0	18.3	22.1	54	..	2.2	..	21.1	0	18	12	8	2	0	0	0	0	11	9	0	0
	1430	,,	1009.0	1008.1	..	28.8	24.5	22.4	27.0	68	..	1.9	..	27.5	0	27	3	1	0	0	0	0	1	18	10	0	0
	1730	,,	1007.8	1006.9	..	27.5	23.9	22.3	26.7	73	..	1.7	..	30.5	0	28	2	0	0	0	0	0	0	13	17	0	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in milibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in milibars: At station level	Mean pressure in milibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Saurashtra And Kutch – *Contd.*																											
Veraval (contd.)	2030	8	1009.1	1008.2	..	26.1	22.7	20.7	24.7	74	..	1.5	..	23.1	0	17	13	2	1	0	0	0	0	7	20	0	0
	2330	,,	1010.0	1009.1	..	24.7	21.6	19.7	23.2	75	..	1.6	..	14.3	0	5	25	9	0	0	0	0	0	3	18	0	0
Konkan																											
Dahanu	0830	5	1010.4	1009.9	+0.6	27.0	23.6	21.8	26.3	74	—1	2.0	—0.4	(d) 8.0	0	1	24	7	0	8	8	0	1	0	1	2	0
	1730	,,	1007.8	1007.3	..	30.4	25.9	23.8	29.7	69	..	1.0	..	(d) 17.1	0	6	21	9	0	0	0	0	0	13	5	0	0
Bombay (Santacruz)	0230	15	1008.5	1006.8	..	25.4	22.7	21.1	25.3	79	..	1.7	..	1.9	0	0	11	4	1	0	0	0	0	2	4	19	0
	0530	,,	1008.4	1006.7	..	24.4	22.2	21.1	25.0	82	..	1.7	..	2.0	0	0	13	1	4	3	1	2	0	1	1	17	0
	0830	,,	1010.3	1008.6	—0.2	28.5	23.3	20.6	24.4	63	—7	2.1	—0.2	3.7	0	0	22	2	4	4	3	2	0	0	7	8	0
	1130	,,	1010.3	1008.7	..	32.3	24.3	19.9	23.8	50	..	1.4	..	15.5	0	2	28	2	0	0	0	0	3	13	12	0	0
	1430	.	1007.9	1006.3	..	32.0	24.7	21.2	25.0	53	..	1.4	..	19.7	1	15	15	0	0	0	0	0	1	7	22	0	0
	1730	,,	1006.8	1005.2	..	30.9	23.9	20.2	24.0	54	..	1.8	..	18.5	0	14	16	2	0	0	0	0	1	5	22	0	0
	2030	,,	1008.4	1006.7	..	28.0	23.3	20.9	24.7	66	..	1.4	..	9.2	0	0	27	4	0	0	0	0	3	2	18	3	0
	2330	,,	1009.5	1007.9	..	26.7	23.1	21.2	25.3	73	..	1.7	..	5.5	0	0	19	3	1	0	0	2	1	2	10	11	0
Bombay	0830	11	1010.3	1009.1	—0.1	28.0	24.0	22.0	26.6	71	—4	2.0	—0.3	7.3	0	1	28	7	1	6	6	2	1	0	6	1	0
	1130	,,	1010.5	1009.3	..	30.8	24.9	22.1	26.6	60	..	1.2	..	12.6	0	6	24	2	0	0	1	1	4	4	17	0	1
	1730	,,	1006.9	1005.7	..	29.9	24.5	21.8	26.3	63	..	1.4	..	17.6	0	10	20	3	0	0	0	0	3	5	19	0	0
Alibag	0830	7	1010.4	1009.6	—0.2	27.7	23.9	22.0	26.6	72	+3	1.6	—0.7	6.8	0	1	26	8	6	1	3	4	0	2	3	3	0
Bhira	0830	96	1009.8	999.0	..	26.7	21.7	18.8	21.8	63	..	1.8	..	1.3	0	0	16	2	1	0	0	3	4	2	4	14	0
	1730	,,	1005.2	994.7	..	36.0	23.8	16.8	19.5	34	..	1.5	..	3.6	0	0	28	0	0	0	1	0	14	7	6	2	0
Harnai	0830	20	1010.0	1007.7	+0.2	27.5	23.8	22.0	26.6	73	—2	3.3	+0.9	7.8	0	0	27	7	5	4	2	6	0	1	2	3	0
	1730	,,	1007.1	1004.8	..	28.4	25.6	24.5	30.5	79	..	3.1	..	27.5	0	24	6	7	0	0	0	0	1	3	19	0	0
Ratnagiri	0830	35	1010.1	1006.1	—0.1	27.7	24.2	22.4	27.3	72	..	3.7	..	5.9	0	2	27	5	5	4	9	2	0	2	2	1	0
	1730	,,	1006.9	1003.0	..	29.9	25.2	23.1	28.3	67	..	2.4	..	11.5	0	0	30	1	0	0	0	0	1	15	13	0	0
Devgarh	0830	36	1010.2	1006.2	+0.1	27.2	24.5	23.3	28.6	79	+3	3.9	+0.3	6.9	0	0	25	6	3	6	6	3	0	0	3	5	0
	1730	,,	1007.0	1003.0	..	30.2	25.9	24.4	30.0	70	..	2.4	..	26.9	0	24	6	1	0	0	0	0	2	2	25	0	0
Vengurla	0230	39	1009.2	1008.2	..	25.4	23.4	22.5	27.1	84	..	1.8	..	..	..	..	..	4	0	0	2	0	0	0	1	23	0
	0530	,,	1008.7	1007.7	..	24.7	23.2	22.4	27.3	87	..	2.3	..	..	..	..	..	6	1	0	5	0	0	0	0	18	0
	0830	,,	1010.8	1009.8	+0.4	27.6	24.3	22.8	27.6	75	+4	3.1	+0.2	..	..	..	..	2	6	1	0	2	1	0	2	16	0
	1130	,,	1010.6	1009.6	..	31.1	25.3	22.6	27.6	61	..	1.9	..	..	..	..	..	0	0	0	0	1	13	15	1	0	0
	1730	,,	1007.3	1006.3	..	29.9	25.0	22.7	27.6	66	..	3.6	..	..	..	..	..	0	1	0	0	0	3	20	6	0	0
	2330	,,	1000.7	1008.7	..	26.8	24.2	22.9	28.1	79	..	2.0	..	..	..	..	..	5	0	0	1	1	0	1	3	19	0
Panjim	0530	60	1003.5	1001.7	..	25.5	23.6	22.7	27.6	84	..	2.1	..	4.9	0	0	20	5	6	3	2	4	0	0	0	10	0
	0830	,,	1010.5	1003.7	..	27.3	24.2	22.8	27.6	76	..	3.2	..	3.6	0	0	16	3	3	3	5	1	1	0	0	14	0
	1130	,,	1010.6	1003.9	..	31.0	25.2	22.5	27.3	61	..	2.6	..	14.6	0	4	26	0	0	0	0	1	6	22	1	0	0
	1430	,,	1008.1	1001.4	..	31.3	25.5	22.8	27.9	61	..	2.3	..	21.1	0	22	8	1	0	0	0	0	3	22	4	0	0
	1730	,,	1007.1	1000.4	..	29.9	25.0	22.7	27.6	65	..	3.1	..	17.5	0	10	20	1	0	0	0	0	1	21	7	0	0
	2030	,,	1008.8	1002.1	..	27.9	24.4	22.7	27.6	74	..	2.1	..	10.4	0	1	28	4	1	0	0	0	1	4	19	1	0
	2330	,,	1009.7	1002.9	..	27.3	24.2	22.7	27.6	76	..	2.2	..	6.1	0		17	7	1	0	0	0	2	0	8	12	0
Marmugao	0530	62	1007.8	1000.9	..	26.4	24.1	23.0	28.3	82	..	3.0	..	10.3	0	2	25	6	6	0	6	3	2	1	3	3	0
	0830	,,	1009.8	1002.8	..	27.9	24.7	23.1	28.4	75	..	3.4	..	10.9	0	1	29	5	10	1	4	2	3	1	4	0	0
	1130	,,	1009.8	1002.9	..	29.7	25.1	23.0	28.1	67	..	2.2	..	16.5	0	7	23	1	0	0	1	1	7	12	8	0	0
	1730	,,	1006.3	999.4	..	29.1	25.1	23.3	28.6	71	..	3.0	..	21.3	0	14	16	0	0	0	0	0	4	15	11	0	0
Dabolim (Naval Air Station)	0530	52	1008.7	1002.9	..	26.1	24.1	23.1	28.4	83	..	3.2	..	7.7	0	1	16	3	6	0	0	5	1	1	1	13	0
	0830	,,	1010.8	1005.1	..	27.5	24.5	23.1	28.3	77	..	3.8	..	9.1	0	0	25	5	10	1	0	5	1	2	1	5	0
	1130	,,	1010.8	1005.1	..	30.0	24.9	22.4	27.3	64	..	3.0	..	18.8	0	6	24	2	0	0	0	0	3	17	8	0	0
	1730	,,	1007.2	1001.4	..	29.6	25.2	23.2	28.4	69	..	3.8	..	27.3	0	24	6	4	0	0	0	0	1	7	18	0	0
Madhya Maharastra Nandurbar	0830	206	1009.9	986.9	..	29.0	21.4	16.7	19.3	50	..	1.1	..	8.8	0	0	30	1	0	0	0	1	0	28	0	0	0
	1730	,,	1004.6	982.3	..	38.4	23.0	12.5	15.5	23	..	0.8	..	3.5	0	0	30	1	0	1	0	0	0	28	0	0	0
Jalgaon	0830	201	1009.5	987.0	+0.6	28.7	17.5	8.3	10.9	28	—11	2.9	+1.5	13.1	0	6	23	1	0	2	1	2	3	13	7	1	0
	1730	,,	1003.8	982.2	..	39.5	20.3	3.2	8.2	12	..	3.7	..	15.8	0	8	20	5	2	1	0	1	2	5	12	2	0
Malegaon	0830	437	1009.6	961.3	+0.3	27.9	18.0	10.1	12.6	34	—4	2.9	+1.8	8.9	0	0	30	4	0	0	0	0	2	8	16	0	0
	1730	,,	1003.2	956.7	..	37.6	21.3	9.4	12.0	19	..	4.4	..	8.9	0	1	28	12	2	3	1	1	2	6	2	1	0
Ozar*	0830	608	..	..	..	28.7	19.1	13.1	15.1	38	..	2.1	..	12.4	0	4	19	3	1	0	1	0	1	5	12	0	0
	1130	,,	..	..	..	34.3	20.8	12.3	14.7	27	..	1.8	..	11.9	0	2	21	3	4	2	5	1	1	1	6	0	0
	1730	,,	..	..	..	36.3	22.1	13.9	16.1	27	..	2.7	..	24.3	0	15	8	3	1	1	2	0	1	7	8	0	0
Deolali (Aerodrome)	0830	571	1010.7	948.0	..	26.6	18.0	12.2	14.4	42	..	1.9	..	5.5	0	0	26	1	1	2	2	2	10	6	2	4	0
	1730	,,	1004.9	944.0	..	34.8	20.2	10.4	12.9	24	..	3.6	..	16.0	0	6	24	2	1	1	1	1	4	9	11	0	0
Ahmadnagar	0830	657	1009.5	937.8	+0.2	26.7	17.7	11.2	13.7	40	+9	3.3	+2.1	7.8	0	1	27	6	6	2	0	3	0	1	10	2	0
	1730	,,	1002.3	933.3	..	36.2	21.1	11.2	13.9	23	..	5.3	..	9.9	0	3	27	2	11	0	1	1	5	0	10	0	0

(h) Observations for 23 days.

(d) Mean of 27 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in kms. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of Observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Maharashtra —(*Contd.*)																											
Poona (Aerodrome) •	0230	593	1008·3	942·6	..	23·5	17·1	12·4	14·9	52	..	1·6	..	9·1	0	1	24	0	0	1	1	0	1	21	1	5	0
	0530	,,	1008·7	942·5	..	21·8	16·7	13·1	15·3	60	..	2·4	..	10·9	0	2	23	0	0	0	1	0	2	20	2	5	0
	0830	,,	1009·6	944·4	..	25·6	18·0	12·7	15·1	46	..	2·7	..	10·0	0	4	19	1	0	1	2	0	4	14	1	7	0
	1130	,,	1007·9	944·3	..	33·4	19·1	8·5	11·7	23	..	1·9	..	16·6	0	7	22	2	8	9	2	1	0	3	4	1	0
	1730	,,	1003·2	940·1	..	34·9	20·0	9·4	12·4	23	..	3·8	..	22·7	0	19	11	1	3	2	1	0	6	13	4	0	0
	2330	,,	1008·8	943·5	..	25·7	18·4	13·4	15·9	48	..	2·1	..	13·2	0	7	23	0	0	0	2	0	2	24	2	0	0
Poona . . .	0530	559	1008·9	946·4	..	21·1	16·3	13·0	15·1	61	..	2·1	..	0·5	0	0	2	0	0	1	0	0	0	1	0	28	0
	0830	,,	1010·0	948·3	+0·1	26·0	18·8	14·3	16·4	49	+6	2·4	+1·0	1·4	0	0	9	0	0	0	0	0	0	8	1	21	0
	1130	,,	1007·9	947·8	..	33·4	19·7	10·2	12·9	25	..	1·5	..	5·3	0	0	20	3	0	12	1	0	0	3	1	10	0
	1430	,,	1004·3	944·9	..	36·0	20·3	9·6	12·3	21	..	3·1	..	6·5	0	1	25	3	2	5	2	0	0	10	4	4	0
	1730	,,	1003·4	943·8	..	34·7	20·5	11·1	13·7	25	..	3·5	..	9·4	0	3	22	2	1	1	0	0	0	11	10	5	0
	2030	,,	1007·5	946·5	..	28·6	20·3	15·3	17·7	46	..	1·9	..	10·6	0	3	27	0	0	0	1	0	0	27	2	0	0
	2330	,,	1008·9	947·3	..	25·9	18·7	13·9	16·3	50	..	2·2	..	4·9	0	1	19	0	0	0	1	0	0	18	1	10	0
Jeur . . .	0830	521	1008·9	951·7	—0·1	27·6	18·5	12·1	14·7	40	—5	2·9	+0·6	8·2	0	0	28	6	4	2	1	1	1	6	7	2	0
	1730	,,	1002·2	947·0	..	37·2	20·6	9·4	12·1	19	..	4·8	..	8·3	0	1	28	1	5	6	2	1	1	7	6	1	0
Baramati . .	0830	551	1009·5	949·0	+0·3	26·6	19·7	15·5	17·8	52	+7	1·7	—0·2	10·4	0	3	27	7	0	2	1	0	2	6	12	0	0
	1730	,,	1002·5	944·2	..	36·4	23·2	16·1	18·8	31	..	3·0	..	9·9	0	2	26	4	1	3	3	4	5	5	3	2	0
Sholapur . .	0530	479	1007·5	954·6	..	25·8	18·4	13·5	15·8	48	..	1·9	..	4·0	0	0	25	5	0	2	5	3	1	3	6	5	0
	0830	,,	1009·4	956·9	+0·5	29·1	19·8	13·9	16·3	41	+3	1·6	0	6·8	0	0	30	1	4	0	11	0	6	0	8	0	0
	1130	,,	1007·5	956·1	..	35·2	21·5	13·4	15·6	28	..	1·9	..	7·4	0	1	27	3	4	0	9	4	3	2	3	2	0
	1730	,,	1002·7	951·7	..	36·8	21·6	12·4	14·7	24	..	3·6	..	9·9	0	4	23	1	3	3	6	2	5	2	5	3	0
	2330	,,	1007·1	954·9	..	30·3	19·7	13·1	15·2	36	..	3·6	..	7·0	0	2	24	2	4	2	4	6	3	3	2	4	0
Miraj . . .	0830	554	1010·1	949.0	+0·2	25·3	20·4	17·7	20·4	63	+1	2·8	+1·0	..	..	..	..	1	1	2	0	0	0	8	0	18	0
	1730	,,	1003·1	944·4	..	35·9	22·1	14·2	16·5	28	..	4·9	..	..	..	..	..	2	2	6	0	0	1	7	1	11	0
Kolhapur . .	0530	570	1008·4	945·0	..	21·8	18·8	16·7	19·5	74	..	2·1	..	3·7	0	0	15	1	0	1	0	0	0	12	1	15	0
	0830	,,	1009·9	947·0	0	25·2	19·9	16·7	19·4	61	—5	1·7	—0·1	4·1	0	0	24	0	1	4	1	0	1	13	4	6	0
	1130	,,	1007·8	946·6	..	33·3	20·9	13·3	15·7	31	..	1·1	..	6·2	0	0	28	1	6	10	1	1	0	5	4	2	0
	1730	,,	1003·8	942·8	..	32·6	22·4	17·0	19·6	41	..	3·2	..	16·2	0	7	22	0	2	0	0	1	0	25	1	1	0
	2330	,,	1009·1	946·1	..	24·6	20·6	18·5	21·3	70	..	1·8	..	7·6	0	1	27	1	0	1	0	0	2	23	1	2	0
Marathwada Aurangabad . .	0830	581	1009·5	946·3	+0·4	29·3	17·4	8·0	11·2	28	—3	2·4	+1·0	7·5	0	2	23	4	2	2	1	2	3	7	4	5	0
	1730	,,	1003·0	941·6	..	36·8	19·5	6·7	10·0	16	..	4·0	..	4·5	0	0	22	6	1	1	1	1	1	7	4	8	0
Aurangabad (Chikalthana)	0230	579	1007·0	943·4	..	26.1	15·8	7·0	10·4	32	..	2·3	..	8·1	0	1	19	6	0	0	0	1	1	5	7	10	0
	0530	,,	1007·8	943·7	..	23·9	15·0	7·5	10·6	37	..	2·6	..	6·8	0	0	18	4	0	0	0	0	0	8	6	12	0
	0830	,,	1008·9	945·8	..	29·3	17·5	8 1	11·4	28	..	2·3	..	9·9	0	0	22	6	0	0	3	0	0	7	6	8	0
	1130	,,	1007·5	945·5	..	34·3	19·2	8·3	11·2	21	..	1·8	..	11·3	0	1	26	8	3	7	1	1	0	3	4	3	0
	1430	,,	1004·0	942·7	..	36·6	20·3	9·0	11·9	20	..	3·8	..	11.6	0	1	25	6	2	4	3	2	2	3	4	4	0
	1730	,,	1002.6	941.4	..	36.4	19·8	7.9	10.9	18	..	4·5	..	10·4	0	1	24	6	0	4	1	0	1	6	7	5	0
	2030	,,	1005.6	943.1	..	31.2	17.9	7.7	10.8	24	..	3·3	..	7·8	0	2	15	4	1	1	1	1	2	3	4	13	0
	2330	,,	1007·6	944·4	..	28·0	16·9	8·0	11·1	30	..	3·1	..	11·0	0	3	19	5	2	1	2	0	1	3	8	8	0
Parbhani .	0830	423	1009·7	963·0	+1·0	28·8	18·2	9·1	12·3	32	—9	2·0	+0·3	4·7	0	0	28	2	7	1	2	0	3	7	6	2	0
	1730	,,	1003·5	958·4	..	37·6	20·4	6·4	9·9	16	..	3·6	..	5·8	0	0	28	0	2	2	2	4	4	7	7	2	0
Nander . . .	0830	358	1008·9	969·6	..	31·0	22·0	16·5	19·1	44	..	1·8	..	4·3	0	0	19	1	2	0	5	0	4	4	3	11	0
	1730	,,	1003·6	965·3	..	37·7	24·3	17·1	19·4	31	..	2·8	..	4·5	0	0	18	0	2	0	2	0	7	0	7	12	0
Bir . . .	0830	519	1010·8	953·7	..	27·6	19·2	13·8	16·1	44	..	1·8	..	8·2	0	2	25	0	2	0	6	0	3	0	16	3	0
	1730	,,	1004·3	949·1	..	36·3	22·1	13·7	16·2	27	..	3·6	..	6·6	0	1	22	0	4	0	5	0	5	0	9	7	0
Vidarbha Gondia .	0830	313	1009·2	974·6	+0·6	29·6	20·6	14·7	16·9	42	+3	2·0	+0·2	2·9	0	0	25	0	2	3	6	6	3	0	3	5	2
	1730	,,	1003·2	969·6	..	37.0	21·5	10·7	12·9	21	..	3·2	..	2·9	0	0	26	7	1	2	0	3	6	5	2	4	0
Nagpur (Sonegaon) .	0230	310	1006·4	971·9	..	26·3	17·9	11·3	12·4	41	..	2·8	..	5·0	0	1	24	3	3	2	3	1	5	4	4	5	0
	0530	,,	1007·3	972·4	..	24·1	16·9	11·1	12·4	46	..	3·3	..	3·7	0	1	19	4	3	1	1	2	2	1	6	10	0
	0830	,,	1008·9	974·6	+0·6	29·8	19·1	10·7	13·4	34	+1	2·5	+0·7	6·9	0	1	26	4	3	8	3	1	4	2	2	3	0
	1130	,,	1007·5	973·9	..	35·9	20·7	9·2	11·6	21	..	2·5	..	8·9	0	3	25	3	3	6	6	3	4	1	2	2	0
	1430	,,	1004·1	970·8	..	38·3	20·9	7·1	10·2	16	..	4·0	..	5·5	0	0	27	3	1	2	5	3	3	3	7	3	0
	1730	,,	1002·9	969·6	..	37·2	20·5	6·7	10·5	17	..	4·3	..	8·7	0	3	24	5	4	3	3	4	1	2	5	3	0
	2030	,,	1005·8	971·7	..	31·2	19·0	9·1	12·0	28	..	2·8	..	5·5	0	2	17	2	1	2	4	5	1	2	2	11	0
	2330	,,	1007·0	972·7	..	28·7	18·4	10·3	12·8	33	..	3·2	..	6·3	0	3	17	3	4	2	1	1	4	1	4	10	0
Amraoti .	0830	370	1008·9	968·1	+0·7	29·7	18·2	8·4	11·5	29	+1	1·8	+0·3	3·7	0	0	27	3	5	4	3	2	3	5	2	3	
	1730	,,	1003·0	963·5	..	37·6	20·4	6·3	9·9	16	..	4·0	..	6·0	0	3	24	3	2	1	0	9	4	4	4	3	

TABLE III—SUMMARY OF OBSERVATIONS AT FIXED HOURS—APRIL, 1965 (CHAITRA 11—VAISAKHA 10, 1887 SAKA)

Sub Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g. p. m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (km. p.h.): 62 or more	Wind speed (km. p.h.): 20 to 61	Wind speed (km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Vidarbha—(*contd.*)																												
Akola Aerodrome	0530	309	1006·6	971·8	..	25·4	17·7	11·3	15·4	44	..	2·9	..	9·7	0	1	28	3	2	2	1	5	6	5	5	1	0
	0830	,,	1008·2	974·0	..	29·7	19·7	12·4	14·6	38	..	2·7	..	9·4	0	0	27	2	3	2	3	0	2	7	8	3	0
	1130	,,	1007·1	973·6	..	36·0	22·4	13·1	15·1	28	..	2·1	..	9·4	0	0	29	5	2	2	2	2	6	3	7	1	0
	2030	,,	1002·3	969·2	..	38·3	23·3	13·2	16·4	25	..	4·3	..	10·1	0	0	26	1	0	2	0	2	1	8	12	4	0
	2330	,,	1005.9	971.8	..	30.0	19.6	11.0	13.1	33	..	3.4	..	12.1	0	3	27	4	3	2	3	3	1	4	10	0	0
Akola	0830	282	1008·8	977·5	+0·3	29·0	19·5	12·2	14·9	38	+10	2·4	+0·9	1·4	0	0	19	0	0	3	2	1	0	12	1	11	0
	1730	,,	1002·6	972·5	..	38·8	22·3	10·6	13 4	20	..	4·8	..	1·6	0	0	19	0	1	1	2	0	1	11	3	11	0
Bramhapuri	0830	229	1009.1	983.8	..	29.5	20.8	15.2	17·5	44	..	2.6	..	4.7	0	0	29	1	1	2	8	12	2	2	1	1	0
	1730	,,	1003.8	979.1	..	37.8	22.2	11.0	14.0	22	..	2.8	..	3.5	0	0	27	3	8	1	3	2	6	3	1	3	0
Buldana	0830	650	1008.9	938.0	+0·5	27.5	16.9	8.6	11.5	32	—6	1.9	—0·2	12.1	0	4	24	7	0	1	1	1	4	1	13	2	0
	1730	,,	1002.6	934.0	..	35.6	19.3	7.2	10.4	18	..	4.2	..	6.1	0	0	28	3	4	0	2	1	3	1	14	2	0
Yeotmal	0830	451	1008.2	958.8	0	29.4	18.4	9.3	12.2	32	—2	2.7	0	8.3	0	0	30	3	2	1	1	12	1	8	2	0	0
	1730	,,	1002.5	954.5	..	37.0	20.2	6.2	10.0	16	..	3.7	..	5.9	0	0	30	2	4	3	3	6	2	6	4	0	0
Chanda	0830	193	1009.0	987.4	+0·3	29.4	21.9	17.3	20.1	50	+13	2.8	+1.1	7.5	0	0	29	1	1	2	11	10	1	1	2	1	0
	1730	,,	1003.3	982.5	..	37.8	23.4	14.5	17.0	26	..	3.7	..	5.9	0	0	29	6	4	5	4	3	1	3	3	1	0
Pusad	0830	334	1010.1	973.0	..	28.6	19.0	11.5	14.2	38	..	0.7	..	2.6	0	0	20	0	3	1	2	0	5	2	7	10	0
	1730	,,	1003.3	967.6	..	38.5	21.6	8.2	12·0	18	..	3.2	..	4.2	0	0	29	0	5	1	7	0	11	0	5	1	0
Sironcha	0830	123	1010.5	996.6	+0·7	28.6	22·8	19.4	22.9	59	+6	2.1	—0.5	3.5	0	0	30	1	0	1	23	1	2	0	2	0	0
	1730	,,	1004.5	991.2	..	37.3	23.0	14.3	16.4	27	..	2.6	..	5.1	0	0	29	1	1	0	9	6	6	3	3	1	0
Coastal Andhra Pradesh																												
Kalingapatam	0830	6	1010.6	1009.9	+1·1	29.2	26.1	24.6	31.1	76	+4	2.3	—0·3	16.2	0	11	17	0	0	1	0	8	13	0	1	2	5
	1730	,,	1007.6	1006.9	..	29.3	26.7	25.7	32.8	81	..	3.0	..	19.3	0	13	17	0	0	0	2	7	19	0	0	0	2
Vishakhapatnam	2030	3	1008.1	1007·7	..	26.2	24.7	24.0	30.0	88	..	1.6	..	4.7	0	1	14	0	0	1	0	0	5	8	1	15	0
	2330	,,	1008.6	1008.2	..	25.7	24.3	23.7	29.3	89	..	2.2	..	1.3	0	0	4	0	0	0	0	0	0	4	0	26	0
	0830	,,	1010.5	1010.1	+0·7	28.9	25.3	23.5	29.3	71	—1	2.5	—1·0	10.6	0	2	24	0	0	0	0	1	14	9	2	4	0
	1130	,,	1009.8	1009.4	..	33.2	26.7	23.9	29.7	59	..	2.3	..	15.9	0	9	21	0	0	0	0	5	23	2	0	0	0
	1430	,,	1007.2	1006.8	..	33.1	26.8	24.2	30.0	60	..	2.6	..	19.3	0	15	15	0	0	0	1	9	20	0	0	0	0
	1730	,,	1007.1	1006.7	..	29.7	26.0	24.4	30.7	74	..	3.8	..	13.7	0	2	27	0	0	0	1	4	21	2	1	1	0
	2030	,,	1009.1	1008.7	..	28.1	25.7	24.7	31.1	82	..	2.3	..	7.9	0	0	24	1	0	1	0	3	18	1	0	6	0
	2330	,,	1009.3	1008.9	..	27.2	25.5	24.6	31.1	86	..	2.2	..	6.9	0	0	22	1	0	0	0	1	11	8	1	8	0
Kakinada	0830	8	1010.9	1010.0	+0·8	28.7	25.5	24.1	30.0	76	+3	4.8	+0·7	9.2	0	0	30	0	0	0	15	2	13	0	0	0	0
	1730	,,	1006.9	1005.9	..	30.9	25.6	23.2	28.6	64	..	2.9	..	14.2	0	1	29	0	0	0	23	2	4	0	1	0	0
Nidadavole	0830	12	1010.5	1009.1	..	28.0	25.3	24.0	30.0	80	..	5.3	..	4.9	0	0	25	4	3	8	1	4	2	2	1	5	0
	1730	,,	1006.7	1005.3	..	31.8	25.1	22.0	26.3	57	..	4.0	..	6.9	0	0	30	1	0	2	0	15	10	2	0	0	0
Rentachintala	0830	106	1010.0	998.0	..	29.5	24.9	22.7	27.7	68	+11	3.4	—1·0	2.2	0	0	23	0	0	1	1	21	0	0	0	7	0
	1730	,,	1005.0	993·5	..	36.2	24.9	19.2	22.2	39	..	2.7	..	2.5	0	0	30	2	0	20	0	8	0	0	0	0	0
Gannavaram	0230	24	1007.9	1005·2	..	25.7	24.7	24.1	30.2	91	..	2.2	..	3.3	0	0	16	2	0	5	2	3	1	2	1	14	0
	0530	,,	1008.4	1005.7	..	25.3	24.4	24.1	29.7	93	..	3.8	..	4.3	0	0	25	0	0	10	7	3	2	3	0	5	0
	0830	,,	1010.5	1007.7	+0·8	28.7	25.7	24.4	30.5	78	+6	4.2	+0.3	10·9	0	0	29	0	0	4	8	14	3	0	0	1	0
	1130	,,	1009.8	1007.1	..	33.4	25.4	21.7	25.8	51	..	3.6	..	10.6	0	0	28	0	0	2	4	15		0	0	2	0
	1430	,,	1006.6	1004.0	..	35.3	25.2	20.3	23.8	42	..	3.5	..	12.1	0	4	26	0	0	2	9	16	3	0	0	0	0
	1730	,,	1006.5	1003.7	..	33.5	25.0	21.3	24.7	52	..	3.2	..	17.0	0	10	20	0	0	2	6	21	1	0	0	0	0
	2030	,,	1008·8	1006·1	..	28·2	24·8	23·3	28·4	75	..	1.7	..	9·7	0	1	29	0	0	3	10	17	0	0	0	0	0
	2330	,,	1009·2	1006·5	..	26·7	24·9	24·1	30·0	86	..	1·7	..	4·8	0	0	18	0	0	2	3	11	2	0	0	12	0
Nagarjunakonda (R)	0830	126																										
(R)	1730	,,																										
Masulipatam	0830	3	1010.5	1010.2	+0.3	29.0	25.6	24.1	30.0	75	—1	5.5	+2.1	3.3	0	0	28	0	0	2	2	12	6	0	0	2	6
	1730	,,	1007.2	1006.9	..	30.0	25.6	23.5	29.3	69	..	4.7		4.1	0	0	30	1	0	6	7	5	3	0	0	0	8
Ongole	0830	12	1009.9	1008.6	..	29.5	27.3	26.4	34.4	83	..	3.7	..	2.5	0	0	27	2	1	0	22	0	2	0	0	3	0
	1730	,,	1006.1	1004.8	..	31.3	28·7	27.7	37.7	81	..	1.8	..	5.9	0	0	30	0	0	0	30	0	0	0	0	0	0
Nellore	0530	20	1008·1	1005·9	..	25·4	24·5	24·1	30·0	92	..	3·4	..	2·1	0	0	21	0	0	2	18	0	0	0	1	9	0
	0830	,,	1010.1	1007.9	+0.7	29.5	25.8	24.2	30.0	73	+2	3.9	+0·9	7.3	0	0	29	0	0	2	23	3	1	0	0	1	0
	1130	,,	1009.4	1007.3	..	34.2	27.0	23.8	29.7	56	..	3.3	..	6.7	0	0	30	0	0	1	26	1	1	1	0	0	0
	1730	,,	1007.0	1004.8	..	31.4	26.8	24.7	31.5	69	..	3.8	..	8.7	0	0	30	0	0	0	30	0	0	0	0	0	0
	2330	,,	1009·3	1007.1	..	27.3	25.6	24.9	31.5	87	..	2.9	..	3.5	0	0	25	0	1	1	22	1	0	0	0	5	0
Telangana																												
Ramagundam	0830	156	1009.7	992.2	+0.6	29.9	22.9	19.3	22.1	55	+5	2.1	—0.6	4.1	0	0	30	0	3	3	18	5	1	0	0	0	0
	1730	,,	1004·1	987·2	..	37.5	23.1	14.4	16.4	27	..	2.3	..	3.2	0	0	29	1	1	5	14	4	3	0	1	1	0

(R) Register not received.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from norm	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in kms. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Telangana—(*contd.*)																											
Nizamabad (R)	0830	381																									
(R)	1730	,,																									
Hanamkonda	0830	269	1009·9	979·9	+0·5	27·3	23·2	21·1	25·0	69	+11	1·7	−0·9	2·1	0	0	30	2	0	2	1	23	1	0	1	0	0
	1730	,,	1005·9	976·7	..	35·2	22·8	15·5	17·6	32	..	0·9	..	2·0	0	0	30	1	0	0	13	14	0	2	0	0	0
Hakimpet (Aerodrome)	0530	613	1007·8	940·2	..	23·9	20·2	18·3	21·0	72	..	3·6	..	9·9	0	1	28	1	0	3	14	6	5	0	0	1	0
	0830	,,	1009·0	942·2	..	27·5	21·4	18·1	21·0	58	..	3·4	..	12·4	0	1	29	2	3	0	8	4	7	4	2	0	0
	1130	,,	1007·7	942·0	..	32·8	22·1	16·3	18·8	38	..	3·1	..	13·7	0	1	28	1	2	3	6	6	8	2	1	1	0
	1730	,,	1004·0	938·8	..	34·1	21·6	14·4	16·6	31	..	4·1	..	11·6	0	1	27	1	3	2	17	1	2	2	0	2	0
	2330	,,	1007·5	940·8	..	27·7	20·8	16·9	19·5	53	..	2·1	..	10·8	0	0	30	0	0	2	24	3	1	0	0	0	0
Bhadrachalam	0830	111	1010·0	997·6	−0·2	28·5	24·9	23·7	28·3	74	+6	4·4	+0·8	2·4	0	0	28	0	12	0	14	0	1	0	1	2	0
	1730	,,	1004·8	992·6	..	35·7	24·3	18·4	21·0	39	..	3·4	..	4·0	0	0	30	1	22	0	7	0	0	0	0	0	0
Hyderabad (Begampet)	0230	545	1006·9	947·1	..	26·2	20·1	16·5	19·0	56	..	2·2	..	6·0	0	2	24	0	1	3	18	3	1	0	0	4	0
	0530	,,	1007·6	947·5	..	24·3	19·5	16·7	19·1	65	..	3·1	..	3·9	0	0	21	0	0	3	7	6	4	0	1	9	0
	0830	,,	1009·6	949·9	+1·1	28·5	20·5	16·3	18·2	52	−3	2·9	+0·8	8·7	0	2	25	2	1	1	6	5	6	3	3	3	0
	1130	,,	1008·0	949·5	..	33·3	21·3	14·3	16·5	33	..	3·2	..	10·7	0	2	28	2	3	1	6	7	7	2	1	0	1
	1730	,,	1003·6	945·7	..	34·9	20·5	11·2	13·5	25	..	4·3	..	11·3	0	0	29	2	4	7	11	2	1	1	0	1	1
	2330	,,	1007·7	948·3	..	28·4	20·6	15·7	18·5	47	..	2·3	..	6·6	0	0	26	0	0	6	18	1	1	0	0	4	0
Khammam	0830	112	1010·1	997·5	..	28·3	24·6	22·9	27·9	73	..	5·3	..	5·0	0	0	26	0	0	2	13	9	2	0	0	4	0
	1730	,,	1005·1	992·5	..	36·2	24·1	17·7	20·1	35	..	4·6	..	4·4	0	1	22	0	0	4	10	8	0	1	0	7	0
Mahbubnagar	0830	505	1009·1	953·8	..	29·1	21·4	17·3	19·7	50	..	3·0	..	8·2	0	0	30	0	1	3	4	1	18	0	3	0	0
	1730	,,	1003·3	949·5	..	35·2	20·6	11·1	13·6	25	..	4·0	..	6·5	0	0	30	0	5	15	5	0	2	2	1	0	0
Rayalaseema																											
Kurnool	0830	281	1009·6	978·3	+0·7	28·9	23·2	20·2	23·8	60	+9	2·5	+0·6	7·1	0	1	29	0	1	0	7	0	9	0	13	0	0
	1730	,,	1003·7	974·0	..	36·9	24·1	17·1	19·5	33	..	3·8	..	6·7	0	1	26	1	2	2	9	0	4	2	3	3	4
Nandyal (R)	0830	212																									
(R)	1730	,,																									
Anantapur	0530	350	1007·4	968·5	..	25·4	21·1	18·6	21·6	67	..	2·1	..	4·3	0	0	14	0	0	4	2	3	4	1	0	16	0
	0830	,,	1009·1	970·5	+0·4	28·9	22·7	19·3	22·5	57	+4	2·5	+0·2	7·5	0	0	25	0	2	2	2	5	10	4	0	5	0
	1130	,,	1007·8	969·8	..	34·2	23·4	17·1	20·0	38	..	1·6	..	8·1	0	1	25	1	4	5	6	1	6	2	1	4	0
	1430	,,	1004·2	966·6	..	36·9	24·0	16·5	19·3	31	..	2·6	..	11·1	0	3	24	3	6	13	3	0	1	1	0	3	0
	1730	,,	1003·0	965·5	..	36·6	23·5	15·7	18·3	31	..	3·3	..	11·7	0	7	17	0	10	12	1	0	1	0	0	6	0
	2030	,,	1005·9	967·8	..	32·4	22·4	16·2	18·9	40	..	2·0	..	10·2	0	1	23	0	2	16	4	1	1	0	0	6	0
	2330	,,	1007·5	969·0	..	29·7	21·6	16·6	19·3	48	..	2·1	..	13·6	0	6	19	0	1	14	8	0	1	1	0	5	0
Cuddapah	0830	130	1009·8	995·3	+0·6	30·1	23·8	20·5	24·4	57	+2	1·9	−0·3	1·4	0	0	10	0	1	9	0	0	0	0	0	20	0
	1730	,,	1004·4	990·2	..	36·9	24·3	17·4	20·0	32	..	3·0	..	3·5	0	0	21	0	1	15	2	0	0	0	3	9	0
Arogyavaram	0830	701	1010·0	933·4	..	25·6	22·4	21·5	25·6	79	..	2·6	..	4·9	0	0	24	0	1	0	15	1	2	0	4	6	1
	1730	,,	1004·0	929·7	..	31·7	28·2	27·0	35·6	77	..	2·8	..	10·0	0	1	29	3	3	12	7	3	1	0	0	0	1
Madras State (*Including Pondicherry*)																											
Madras	0830	6	1010·7	1010·0	..	29·2	25·4	23·8	29·7	73	..	4·9	..	6·7	0	0	30	1	0	1	14	9	3	1	1	0	0
	1730	,,	1006·9	1006·3	..	29·7	25·6	23·8	29·5	71	..	3·1	..	9·2	0	0	30	0	1	5	18	5	1	0	0	0	0
Madras (Minambakkam)	0230	16	1008·2	1006·5	..	26·5	24·9	24·2	30·2	87	..	2·8	..	4·3	0	0	19	0	0	1	5	8	1	3	1	11	0
	0530	,,	1008·6	1006·8	..	25·9	24·7	24·1	30·2	89	..	3·9	..	3·5	0	1	13	0	0	0	1	6	4	3	0	16	0
	0830	,,	1010·7	1009·0	+0·9	29·0	25·4	23·8	29·7	74	+3	4·5	+1·1	9·8	0	1	29	2	0	1	2	17	4	4	0	0	0
	1130	,,	1010·1	1008·3	..	32·3	25·5	22·4	27·1	56	..	4·1	..	14·1	0	8	21	0	0	4	7	15	2	1	0	1	0
	1430	,,	1007·4	1005·7	..	32·8	26·2	23·2	28·6	58	..	3·3	..	18·5	0	17	12	0	0	6	16	7	0	0	0	1	0
	1730	,,	1006·9	1005·3	..	30·4	25·5	23·3	28·6	66	..	3·6	..	17·2	0	9	21	0	0	3	23	4	0	0	0	0	0
	2030	,,	1009·2	1007·5	..	28·2	25·5	24·3	30·4	79	..	2·2	..	14·1	0	5	25	0	0	4	12	12	1	1	0	0	0
	2330	,,	1009·7	1007·9	..	27·3	25·3	24·5	30·5	84	..	2·2	..	11·1	0	7	27	0	0	2	15	10	1	0	0	2	0
Vellore	0530	214	1008·6	984·4	..	24·5	23·1	22·3	27·1	88	..	2·6	..	0·7	0	0	5	0	0	0	3	1	1	0	0	25	0
	0830	,,	1010·5	986·4	+0·7	27·1	23·9	22·3	27·3	76	+6	3·4	+1·2	3·9	0	0	23	0	2	0	3	7	8	3	2	7	0
	1130	,,	1009·7	986·0	..	31·9	24·6	20·9	25·0	53	..	3·3	..	4·7	0	0	28	1	2	3	3	7	6	3	3	2	0
	1730	,,	1005·6	982·2	..	33·6	23·8	18·5	21·4	43	..	3·7	..	13·0	0	7	22	0	5	2	14	2	3	1	2	1	0
	2330	,,	1009·9	985·8	..	27·4	23·9	22·2	26·9	74	..	1·4	..	4·8	0	0	22	1	1	4	5	9	1	1	0	8	0
Tambaram (Aerodrome)	0830	29	1010·4	1007·1	..	29·0	25·7	24·2	30·2	75	..	4·8	..	13·2	0	5	25	0	0	1	2	16	7	2	2	0	0
	1730	,,	1006·8	1003·6	..	31·0	25·6	22·9	27·9	64	..	3·8	..	29·2	0	27	3	0	1	9	18	2	0	0	0	0	0
Tiruppattur	0830	390	1010·8	967·3	..	25·9	23·0	21·5	25·6	77	..	7·2	..	3·1	0	0	29	21	6	1	0	0	1	0	0	1	0
	1730	,,	1005·2	962·8	..	32·0	23·2	18·3	21·0	46	..	7·1	..	7·6	0	0	30	12	0	8	0	9	0	1	0	0	0
Mettur Dam R.S.	0830	..	..	..	..	28·2	25·0	23·4	29·1	75	..	1·9	..	3·8	0	0	26	0	6	0	3	0	12	0	5	4	0
	1730	..	..	..	..	30·8	26·8	24·9	31·9	71	..	5·7	..	6·4	0	0	30	0	2	0	8	0	19	0	1	0	0
Cuddalore	0530	12	1008·5	1007·2	..	25·3	24·3	23·8	29·3	91	..	3·2	..	0·3	0	0	2	0	0	0	1	1	0	0	0	28	0

(R) Register not received.

Sub Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level of height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madras State—(*contd.*) Cuddalore—(*contd.*)	0830	12	1010·9	1009·5	+0·7	28·7	25·4	24·0	29·7	76	+1	3·9	+0·5	5·1	0	0	25	1	1	0	16	2	4	0	1	5	0
	1130	,,	1010·4	1009·1	..	31·4	26·1	23·7	30·7	64	..	3·8	..	10·0	0	2	28	0	2	1	26	0	1	0	0	0	0
	1730	,,	1006·9	1005·6	..	29·6	25·9	24·3	30·0	73	..	3·7	..	17·0	0	8	22	0	0	2	28	0	0	0	0	0	0
	2330	,,	1009·8	1008·4	..	27·8	25·5	24·5	30·7	82	..	3·3	..	4·3	0	0	20	0	0	0	20	0	0	0	0	10	0
Kallakkurichchi	0830	127	1010·4	996·2	..	28·0	25·3	24·0	29·8	79	..	3·5	..	6·7	0	0	29	1	3	1	20	2	2	0	0	1	0
	1730	,,	1005·5	991·5	..	33·6	26·4	23·0	28·1	56	..	3·5	..	12·0	0	4	26	0	8	4	16	0	2	0	0	0	0
Salem	0530	278	1008·4	977·1	..	24·8	22·2	20·8	24·6	79	..	4·1	..	0·7	0	0	6	0	0	2	0	4	0	0	0	24	0
	0830	,,	1010·3	979·3	+0.4	27·7	23·1	20·7	24·1	66	−5	3·9	+1·2	1·1	0	0	10	2	2	3	0	1	1	1	0	20	0
	1130	,,	1009·2	978·6	..	32·3	23·4	18·9	21·8	47	..	3·7	..	5.7	0	0	26	1	1	2	5	4	2	6	0	4	5
	1730	,,	1004·7	974·4	..	33·1	23·1	16·8	19·7	40	..	4·9	..	7·4	0	1	22	0	2	12	2	2	2	2	0	7	1
	2330	,,	1009·2	978·3	..	27·5	23·0	20·7	24·4	67	..	3·9	..	8·6	0	0	25	0	0	22	2	1	0	0	0	5	0
Coimbatore (Pilamedu)	0530	399	1008·8	964·1	..	23·3	22·5	22·1	26·7	93	..	3·5	..	7·9	0	1	18	3	1	1	0	6	5	2	1	11	0
	0830	,,	1010·5	966·1	..	26·2	23·6	22·4	26·9	79	..	3·3	..	6·5	0	0	18	6	2	2	0	4	1	0	3	12	0
	1130	,,	1009·2	965·5	..	31·0	24·6	21·5	25·9	58	..	3.8	..	10·4	0	2	22	4	6	3	2	5	3	0	1	6	0
	1730	,,	1005·3	962·0	..	31·4	24·0	20·1	23·5	53	..	4·8	..	19·6	0	17	13	4	5	6	1	7	5	1	1	0	0
	2330	,,	1009·5	965·2	..	25·5	23·5	22·5	27·3	84	..	3·1	..	15·3	0	4	26	1	1	1	0	14	12	1	0	0	0
Coimbatore	0830	409	1010·4	965·1	+0·6	26·6	22·9	21·1	24·9	71	−6	3.9	+0.8	15·8	0	13	17	1	9	10	2	4	4	0	0	0	0
Nagapattinam	0830	9	1010·9	1009·8	+0·8	29·1	25·4	23·7	29·5	73	0	5·0	+1.2	7·5	0	0	27	1	1	3	9	2	7	3	1	3	0
	1730	,,	1007·1	1006·0	.	29·6	25·7	23·9	29·5	72	..	4·1	..	17·2	0	12	18	1	2	5	16	4	2	0	0	0	0
Tiruchirappalli	0230	88	1007.9	998·0	..	26·2	24·9	24·3	30·4	89	..	3.9	..	6.2	0	0	20	1	2	3	4	5	4	0	1	10	0
	0530	,,	1008·1	998·1	..	25·4	24·4	23·9	29·7	91	..	4.3	..	4.5	0	0	14	3	2	1	2	3	0	2	1	16	0
	0830	,,	1010·2	1000·3	−0.1	28·3	25·8	24·7	31·1	81	+8	4·5	+1.5	9·5	0	3	20	0	5	2	2	6	3	4	1	7	0
	1130	,,	1009·6	999·8	.	32·4	27·3	25·3	32·2	66	..	4·7	..	10·9	0	4	23	2	2	7	6	5	0	3	2	3	0
	1430	,,	1006·3	996·6	..	34·2	28·4	26·0	33·8	61	..	4·9	..	13·7	0	4	24	4	10	4	4	3	2	0	1	2	0
	1730	,,	1005·6	995·9	..	33·4	28·1	26·1	33·8	66	..	5·1	..	16·4	0	13	14	0	5	7	8	5	1	0	1	3	0
	2030	,,	1008·3	998·5	..	29·8	26·7	25·5	32.8	78	..	2·8	..	17·3	0	14	16	0	1	5	16	7	0	0	1	0	0
	2330	,,	1009·4	999·5	..	27·7	25·7	25·1	31·7	85	..	3·2	..	13·9	0	2	28	0	1	9	8	11	0	1	0	0	0
Vedaranniyam	0830	4	1011·0	1010·5	..	29·7	26·1	24·4	30·5	75	..	1·7	..	3·7	0	0	30	1	0	0	3	10	14	0	2	0	0
	1730	,,	1007·8	1007·3	..	30·2	26·3	24·6	30·9	73	..	1·5	..	3·4	0	0	30	0	0	0	4	12	13	0	1	0	0
Atirampattinam	0830	6	1010·3	1009·6	..	28·4	25·5	23·9	29·7	75	..	4·1	..	6·8	0	0	28	4	3	2	4	3	7	0	5	2	0
	1730	,,	1006·7	1006·0	..	30·5	25·7	24·9	31·5	67	..	4·2	..	18·6	0	19	11	0	2	1	12	9	6	0	0	0	0
Madurai	0830	133	1010·6	995·6	+0.5	28·6	24·5	22·5	27·3	70	+2	3·2	−0.9	3·3	0	0	25	3	6	5	5	1	0	1	4	5	0
Madurai Aerodrome	0530	131	1008·4	993·5	..	24·9	23·5	22·9	28·8	88	..	4·1	..	2.3	0	0	15	2	7	1	2	1	2	0	0	15	0
	0830	,,	1010·4	995·7	..	33·3	24·5	22·7	27·6	72	..	4·2	..	5·8	0	0	25	3	12	6	1	0	0	0	3	5	0
	1130	,,	1009·6	995·1	..	32·4	24·6	20·8	24·6	50	..	4·5	..	8·0	0	0	29	1	9	7	9	2	0	0	0	1	1
	1730	,,	1006·1	991·5	..	31·9	24·3	20·3	25·0	53	..	4·7	..	17.8	0	10	20	0	2	12	10	6	0	0	0	0	0
Tondi	0830	5	1010·6	1010·0	..	28·8	25·5	24·0	29·8	75	..	3·7	..	8·3	0	1	23	3	3	2	3	6	4	3	0	6	0
	1730	,,	1007·0	1006·4	..	30·0	26·3	24·7	31·1	74	..	4·2	..	18·7	0	16	14	1	2	9	3	14	1	0	0	0	0
Pamban	0830	11	1010·3	1009·0	+0.5	28 8	25·8	24·6	30 9	78	+2	5·6	+2.8	5·9	0	0	30	0	3	6	4	10	3	2	2	0	0
	1730	,,	1007·5	1006·2	..	29·8	26·3	24·8	31·3	75	..	4·3	..	5·9	0	0	30	3	5	0	4	10	6	0	2	0	0
Tuticorin	0830	4	1010 6	1010.2	+0 3	28·5	25.1	23 5	28·9	75	+1	3·6	+0.2	6.5	0	1	29	6	5	1	3	4	7	2	2	0	0
	1730	,,	1007·1	1006·7	..	29·7	26·1	24·5	30·9	74	..	5·0	..	22·3	0	24	6	0	0	6	8	14	1	0	1	0	0
Palayankottai	0830	51	1010·2	1004·5	+0·2	29·2	24·8	22·7	27·6	69	0	4·4	+0.6	1·9	0	0	19	15	0	0	0	0	0	1	3	11	0
	1730	,,	1006·5	1000·9	..	31·2	24·5	20·5	24·1	56	..	6·0	..	13·0	0	8	18	1	1	8	7	6	0	2	1	4	0
Kanniya Kumari	0830	37	1010·1	1006·0	..	29·1	24·6	22·5	27·1	68	..	4·3	..	10·1	0	3	27	6	5	0	0	1	2	10	6	0	0
	1730	,,	1007·3	1003·2	..	29·6	25·3	23·4	28·8	70	..	4·9	..	13·8	0	7	23	0	0	2	6	3	8	8	3	0	0
Coastal Mysore Karwar	0830	4	1010·7	1010·2	+0.5	27·5	25·2	24·3	30·0	80	−4	2·6	+0.7	5·1	0	0	29	0	5	7	1	0	0	0	8	1	8
	1730	,,	1007·2	1006·7	..	29·9	27·3	26·2	33·8	81	..	3·8	..	18·7	0	11	19	0	0	0	0	0	0	0	22	0	8
Honnavar	0830	26	1010·3	1007·3	−0·9	26·9	24·1	22·8	27·7	78	+2	3·3	−0 9	3·2	0	0	30	0	11	18	0	0	0	0	1	0	0
	1730	,,	1007·2	1004·2	..	30·5	25·5	23·3	28·6	65	..	4·7	..	7·3	0	0	30	0	0	0	0	0	1	16	13	0	0
Mangalore (Bajpe)	0230	102	1008·5	997·1	..	26 2	24 3	23·4	28·9	85	..	3·0	..	1·5	0	0	9	1	1	2	1	0	0	1	1	21	2
	0530	,,	1008·6	997·0	..	25·3	23·8	23·1	28·3	88	..	3·0	..	1·9	0	0	13	1	4	6	1	0	0	0	0	17	1
	0830	,,	1010·5	999·1	..	28·7	25·0	23·3	28·6	73	..	2·9	..	5·6	0	0	27	3	11	11	2	0	0	0	0	3	0
	1130	,,	1010·0	998·7	..	32·3	25 9	22·6	27·6	57	..	3.6	..	8·6	0	0	29	1	1	1	0	0	2	14	9	1	1
	1430	,,	1007·2	996·0	..	32·5	26·2	23·4	28·9	59	..	3·4	..	16·9	0	5	25	0	0	0	0	0	2	23	5	0	0
	1730	,,	1006·7	995·4	..	30·3	25 8	23·8	29·7	68	..	4·2	..	14·1	0	0	30	0	0	0	0	0	1	16	13	0	0
	2030	,,	1009·2	997·7	..	27·8	25·1	23·9	29·7	79	..	3·4	..	7·5	0	0	29	1	0	2	0	0	0	6	20	1	0
	2330	,,	1009·9	998·5	..	27·0	24·7	23·7	29·3	82	..	3·7	..	2·5	0	0	13	2	0	2	0	0	0	1	8	17	0

Sub Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed in km. per hour	Wind speed (Km. p.h.): 62 or more	20 to 61	1 to 19	No. of observations, Wind directions: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Costal Mysore— (Contd,)																											
Mangalore	0830	22	1010.9	1008.1	+0·2	29.1	25.0	22·9	27.9	69	−2	2.1	−1·4	3.5	0	0	30	1	4	22	2	1	0	0	0	0	0
	1730	,,	1007.1	1004.7	..	30.5	27.0	25.3	32.2	73	..	3.0	..	7.5	0	0	30	0	0	0	1	0	1	6	19	0	3
Interior Mysore, North																											
Bidar	0830	664	1009·3	937·1	..	27·6	20·0	15·4	17·8	48	+3	2·6	+0·8	14·1	0	6	22	2	1	3	1	2	15	1	3	2	0
	1730	,,	1002·9	932·6	..	34·3	20·3	11·2	13 6	26	..	4·7	..	12·9	0	8	19	0	7	4	5	3	4	2	2	3	0
Gulbarga	0830	458	1009 1	958·9	+0.7	29·8	20·0	13·7	16·2	39	−6	2·5	+1·1	8·3	0	1	25	1	2	5	0	10	3	2	3	4	0
	1730	,,	1002·7	953·7	..	36·7	20·6	10·1	12·4	22	..	4·9	..	12·3	0	3	27	3	2	11	6	2	2	3	1	0	0
Bijapur	0830	594	1009·0	944·1	+0·1	27·2	20·9	16·9	19·6	57	+6	1·7	+0·1	2 8	0	0	21	12	1	0	1	0	2	2	3	9	0
	1730	,,	1002·4	939·7	..	36·0	24·0	18·4	20·0	37	..	4·8	..	2·4	0	0	24	6	0	2	7	3	1	3	2	6	0
Raichur	0830	400	1009·3	965·3	+0·6	29·1	22·5	18·3	21·8	54	+3	3·6	+1·9	3·8	0	1	21	0	2	0	11	0	8	0	1	8	0
	1730	,,	1003·5	960·5	..	36·5	23·3	15·3	17·8	30	..	4·3	..	5·5	0	0	30	1	0	8	20	0	0	1	0	0	0
Gulbarga	0830	753	1009·7	927·5	−0·1	24·3	19·3	16·3	18·8	63	−4	1·6	−0·2	1·4	0	0	12	4	0	2	0	3	0	3	0	18	0
	1730	,,	1004·3	923·9	..	30·2	21·6	16·8	19·5	48	..	4·2	..	6·0	0	0	30	1	0	4	0	2	0	14	8	0	1
Belgaum (Samra)	0530	747	1009·0	926·4	..	20·7	18·3	16·7	19·3	79	..	1·8	..	2·7	0	0	14	0	2	0	0	1	6	4	1	16	0
	0830	,,	1009·9	928·3	..	24·7	19·4	16·2	18·6	61	..	2·5	..	3·6	0	0	20	3	4	1	0	2	1	8	1	10	0
	1130	,,	1007·6	928·0	..	31·8	19·3	10·9	13 2	29	..	2·2	..	7·1	0	0	30	5	7	3	3	4	1	4	3	0	0
	1430	,,	1004·1	925·2	..	34 0	19·7	9·8	12 5	24	..	4·2	..	8·4	0	2	27	0	3	4	1	2	10	5	4	1	0
	1730	,,	1004·1	924·5	..	31·0	21·0	15·0	17·5	41	..	4·6	..	14·9	0	14	16	0	2	2	2	1	6	15	2	0	0
	2030	,,	1007·6	926·4	..	25·7	21·3	19·1	22·1	67	..	3·3	..	13·8	0	7	23	1	1	0	0	0	4	22	2	0	0
Gadag	0530	650	1008·5	936·7	..	22·8	20·4	19·1	22 2	80	..	1·9	..	7·4	0	1	26	0	1	0	1	1	7	17	0	3	0
	0830	,,	1009·9	938·7	+0·1	25·5	20·9	18·4	21.3	66	−4	1·9	+0·1	5·3	0	0	28	2	0	0	3	0	9	14	0	2	0
	1130	,,	1007·6	938·2	..	33·0	21·7	15·3	17·6	35	..	2·2	..	6·3	0	0	27	2	0	2	1	1	6	10	4	3	1
	1430	,,	1003·7	935·3	..	36·1	21·8	13·3	15·7	27	..	1·0	..	6·8	0	0	27	1	6	6	7	0	1	4	2	3	0
	1730	,,	1002·7	934 1	..	35·2	21·4	13·1	15·4	28	..	4·9	..	5·5	0	0	26	1	5	10	4	0	1	3	2	4	0
	2030	,,	1006·2	936·3	..	30·3	21·3	16·1	18 8	44	..	3·4	..	8·5	0	2	25	0	3	9	1	0	1	12	1	3	0
	2330	,,	1008·5	937 5	..	26·5	20·9	17·7	20·6	61	..	2·8	..	9·9	0	2	26	3	1	1	4	0	4	15	0	2	0
Interior Mysore (South)																											
Bellary	0830	449	1009 4	959·9	+0·5	28·8	21·7	17·7	20·1	54	+4	0·9	−1·2	6·5	0	1	19	0	0	0	6	0	5	0	9	10	0
	1730	,,	1003 0	955·2	..	36·8	23·1	14·3	17·0	28	..	5·5	..	9 7	0	1	29	0	1	0	16	0	4	1	8	0	0
Chitra Durga	0830	733	1009 5	929·6	+0·1	25·4	21·1	19·0	21·8	69	+7	3·1	+0·7	3·5	0	0	26	0	0	0	0	0	11	14	1	4	0
	1730	,,	1002·6	925·3	..	34·1	21·2	13·5	15·7	30	..	4·2	..	2·8	0	0	20	0	1	12	1	0	1	2	3	10	0
Shimoga	0830	571	1010·1	946·9	−0·1	24·5	21·2	19·4	22·7	74	−1	4·6	+1·5	2·2	0	0	24	0	2	1	2	6	4	8	1	6	0
	1730	,,	1003·1	942·1	..	33·7	21·4	13·9	16·5	32	..	5·2	..	7·2	0	0	29	1	1	7	4	0	4	11	1	1	0
Agumbe	0830	..	..	..	..	24·1	21·4	20·2	23·5	79	..	..	..	4·0	0	0	23	1	8	5	0	2	2	5	0	7	0
Balehonnur	0830	,,	..	..	..	22·9	19·7	18·5	20·6	77	−9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hassan	0830	960	1512·8	906·2	..	22·1	19·7	18·4	21·1	80	+9	1·2	−1·5	2·7	0	0	30	0	0	2	0	3	12	12	1	0	0
	1730	,,	1489·7	902·3	..	30·1	20·1	13·9	15·9	40	..	5·4	..	2·9	0	0	30	0	0	6	7	1	3	11	2	0	0
Bangalore	0230	921	1496 4	908·6	..	22·1	19·4	17·9	20·5	78	..	2·0	..	4·8	0	1	23	0	0	10	6	4	3	1	0	6	0
	0830	,,	1517·1	910·4	−0·4	24·0	20·3	18·3	21·0	73	+4	2·9	+0·3	3·1	0	0	18	0	0	2	2	4	6	3	1	12	0
	1130	,,	1523·6	910·0	..	29·3	20·4	15·1	17·4	44	..	3·5	..	5·7	0	1	21	1	1	4	5	2	4	3	2	8	0
	1430	,,	1504·5	907·6	..	31·9	20·6	13·7	16·0	34	..	3·9	..	6·5	0	0	25	2	5	9	2	1	1	3	2	5	0
	1730	,,	1496·3	906·9	..	30·6	20·0	13·3	15·6	37	..	4·3	..	7·9	0	0	26	1	2	13	7	0	2	0	1	4	0
	2030	,,	1507·7	908·9	..	26·4	19·5	15·4	17.6	52	..	2·2	..	5·6	0	0	24	0	0	13	10	1	0	0	0	6	0
Bangalore Aerodrome	0530	897	1487·6	910·8	..	20·9	19·6	18·8	22·0	87	..	2·5	..	3·8	0	0	17	0	0	4	2	4	4	3	0	13	0
	0830	,,	1518·2	912·8	..	23·8	20·6	18·9	22·0	74	..	3·2	..	7·7	0	0	25	0	0	1	4	3	7	10	0	5	
	1130	,,	1521·1	912·4	..	28.8	20·5	15·5	18·1	47	..	3·5	..	7·4	0	0	26	1	1	6	3	4	3	7	1	4	
	1730	,,	1491·0	908·9	..	30·5	20·6	14·8	16·9	40	..	4·4	..	12·7	0	2	28	0	0	18	4	3	0	4	1	0	
	2330	,,	1509·4	912·1	..	24·0	20·3	18·2	21·0	71	..	2·6	..	7·2	0	0	25	0	0	10	7	3	2	2	1	5	
Mysore	0830	767	1010·4	926·5	+0·1	24·1	20·6	18·8	21·7	73	+1	2·5	−0·9	5·6	0	0	30	5	4	4	2	2	6	2	5	0	
	1730	,,	1003·9	922·5	..	31·9	19·9	12·3	14·5	32	..	4·3	..	6·7	0	0	30	2	4	3	8	4	5	2	2	0	
Kerala																											
Calicut	0530	5	1009·1	1008·5	..	25·9	24·2	23·4	28·8	86	..	3·3	..	2·9	0	0	19	2	6	9	2	0	0	0	0	11	
	0830	,,	1010·5	1009·9	+0·2	28·8	25·0	23·3	28·6	72	−5	3·1	−0·8	3·0	0	0	19	3	4	5	0	0	0	0	7	11	
	1130	,,	1010·4	1009·8	..	31·7	26·3	23·9	29·8	64	..	4·2	..	7·4	0	1	29	0	0	0	0	0	5	15	10	0	
	1730	,,	1007·3	1006·7	..	30·5	26.3	24·5	30.7	69	..	4·9	..	9·5	0	0	30	0	0	0	0	0	0	9	21	0	
	2330	,,	1010·1	1009·5	..	28·1	25·3	24·0	29·8	79	..	4·1	..	8·6	0	1	29	5	1	1	3	0	0	2	18	0	
Cochin	0830	97	1010·4	999.5	..	28·4	24·6	22·9	28.3	71	..	4·1	..	6.6	0	0	21	0	0	7	0	0	0	14	0	9	
	1730	,,	1005.9	995.1	..	32.5	24·5	20.2	23.7	52	..	4.8	..	11.6	0	1	29	0	0	9	0	0	0	20	1	0	

Division and station	Hours of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Departure from normal	Relative humidity %	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in kms. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Kerala—(*Contd.*)																											
Fort Cochin	0830	3	1010.7	1010·3	+0.2	28·3	25.3	24.0	30.0	77	+2	6.5	+2.7	8.1	0	0	30	10	13	5	0	0	0	0	2	0	0
	1730	,,	1007.1	1006.8	..	29.9	26.2	24.7	31.1	74	..	6.2	..	11.0	0	0	30	0	0	0	1	0	3	14	12	0	0
Cochin (Naval Air Station)	0230	3	1008.8	1008.5	..	26.0	24.4	23.6	29.3	87	..	4.3	..	2.0	0	0	10	0	2	5	1	0	0	0	2	20	0
	0530	,,	1008.8	1008.5	..	25.4	24.1	23.6	29.3	89	..	4.3	..	1.9	0	0	10	0	6	2	0	1	0	0	1	20	0
	0830	,,	1010·6	1010·3	..	28.7	25.1	23.5	29.0	74	..	4.0	..	5.4	0	0	21	3	8	6	2	0	0	0	1	9	1
	1130	,,	1010·4	1010.1		31·3	25·7	23·3	28·6	63	..	4.6	..	11.9	0	1	27	0	0	0	0	0	4	11	12	3	0
	1730	..	1007 1	1006 8	..	30.4	25.8	23.8	29.6	68	..	5.3	..	15.3	0	0	28	0	0	0	0	0	6	18	5	1	0
	2330	,,	1010·4	1010.1	..	27.6	25.0	23·8	29.5	80	..	5.3	..	4.7	0	0	16	2	1	2	0	1	2	2	6	14	0
Alleppey	0830	4	1010·5	1010.1	+0·2	29·0	25·8	24·3	30.5	76	−2	5.1	−0.3	5.1	0	15	30	3	15	7	3	0	0	0	2	0	0
	1730	,,	1007·1	1006.7	..	31.0	26.5	24.6	30.7	69	..	4.5	..	20.1	0	0	15	0	0	0	1	0	0	11	18	0	0
Ponalur	0830	34	1010 5	1006.7	..	26.1	24.4	23.6	29.3	87	..	4.6	..	0	0	0	0	0	0	0	0	0	0	0	0	30	0
	1730	,,	1007.2	1003.4		30.1	25.3	23.9	29.7	71	..	7.5	..	5.0	0	0	30	0	0	0	0	0	2	15	13	0	0
Trivandrum	0230	64	1008·4	1001 1	..	25.6	24.5	24·1	29.8	91	..	3.7	.	3.1	0	0	15	4	8	1	0	0	1	0	1	15	0
	0530	,,	1008.6	1001.3	..	25·1	24.1	23·5	29.1	91	..	3.8	..	4.8	0	0	27	9	8	4	1	1	1	0	3	3	0
	0830	,,	1010 5	1003.2	+0.3	27.2	24.9	23.9	29.7	82	+3	3.6	−0 3	4.6	0	0	25	7	10	0	1	1	0	0	6	5	0
	1130	,,	1010.1	1002·9	..	31.0	25.8	22.6	27.6	62	..	5.4	..	5.8	0	0	25	1	2	0	0	2	2	3	14	5	1
	1430	,,	1007·5	1000 3	..	30·9	25·7	23·3	28·8	64	..	4.9	..	10.8	0	3	27	0	0	0	1	2	10	12	5	0	0
	1730	,,	1007.4	1000 2	..	29·3	25·5	23·8	29·5	73	..	6·1	..	8·3	0	0	29	1	0	0	3	3	7	9	6	1	0
	2030	,,	1009.7	1002 4	.	27·1	24·8	23·7	29·3	82	..	5.2	..	5·8	0	1	25	3	4	0	1	0	4	4	10	4	0
	2330	,,	1010 2	1002 9	..	26·4	24·7	24·0	29·7	87	..	4·4	.	4.1	0	0	21	6	5	3	2	1	0	0	3	9	0
Trivandrum (Aerodrome)	0830	8	1010.7	1009 9	..	28·8	25·1	23·4	28.8	73	..	4·1	..	10·3	0	3	21	14	6	3	0	0	0	0	1	6	0
Arabian Sea Islands																											
Amini*	0530	4	1008.8	1008.4	..	27.3	24.5	23.2	28.6	78	..	3.0	..	12.3	0	9	17	10	1	0	2	1	0	0	12	4	0
	0830	,,	1010.8	1010.3	..	28.9	25.0	23.2	28.6	72	+1	3.2	−0.2	10.6	0	4	26	10	2	1	0	1	2	0	14	0	0
	1130	,,	1011.1	1010.7	..	31.4	25.7	23.2	28.9	62	..	3.3	..	11.3	0	1	29	12	0	1	1	0	0	2	13	0	1
	1730	,,	1007.7	1007.3	..	30.5	25.7	23.5	29.1	66	..	3.1	..	14 5	0	6	24	11	0	0	1	0	0	1	14	0	3
	2330	,,	1010.3	1009.8	..	28.2	24.9	23 4	28 8	76	..	2.1	..	13.3	0	8	19	8	0	0	0	0	0	2	14	3	3
Minicoy*	0530	2	1008.9	1008.7	..	26.5	24.3	23.2	28.6	82	..	3.4	..	2.4	0	0	9	5	0	0	0	0	0	1	3	21	0
	0830	,,	1010.7	1010.5	+0.1	28.8	25.1	23.3	28.9	73	+1	4.0	+0.6	3.8	0	0	14	8		0	0	0	0	3	2	16	0
	1130	,,	1011 0	1010.8	..	30.4	25.7	23.5	29.3	67	..	3.8	..	5.9	0	0	21	11	2	1	0	0	0	2	5	9	0
	1430	,,	1008.7	1008.5	..	30.6	25.7	23.6	28.9	66	..	3.3	..	7.3	0	0	25	9	2	0	1	0	0	3	9	5	1
	1730	,,	1007.9	1007.7	..	30.0	25.5	23.4	28.9	68	..	3.5	..	6.1	0	0	21	8	2	1	0	0	0	3	7	9	0
	2030	,,	1009.7	1009.5	..	27.9	24.8	23.4	28.6	77	..	2.3	..	5.7	0	0	19	8	2	0	0	0	0	1	7	11	1
	2330	,,	1010.5	1010·3	..	27·1	24.6	23.4	28.9	81	..	3.0	..	4.7	0	0	16	8	0	0	0	0	1	1	6	14	0
Hill Stations excluding Kashmir																											
Dalhousie	0830	1959	1436.9	799·3	−0.3	12.6	8·2	3·7	8·1	58	+3	1.9	+0·4	1.3	0	0	10	0	3	1	0	0	0	0	1	20	5
	1730	,,	1430·4	799 0	..	14·5	10·5	7·2	10·1	64	..	2.5	..	1 5	0	0	10	0	1	0	2	0	0	1	0	20	6
Dharmsala	0830	1211	1543·0	883·9	+1·2	18·7	12·4	6·8	9·9	47	+8	4.3	+1·9	1.5	0	0	17	0	11	1	0	1	0	0	4	13	0
	1730	,,	1540.4	883.4	..	20·5	14·0	8·7	11·2	50	..	5.4	..	2.7	0	0	30	2	3	2	0	3	19	0	1	0	0
Simla	0830	2202	..	781·8	+0.5	..	..	..	..	..	..	4.1	+1.4	0.6	0	0	9	1	0	2	6	0	0	0	0	21	0
	1730	,,	1484·4	781.4	..	13·1	7·5	6·0	9·3	65	..	1.0	..	5.0	0	0	16	1	3	0	2	0	9	0	1	14	0
Lokpal	0830	..	..	..	..	−9·3	−11·	−19·6	1·1	38	..	(c) 1·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	—
Badrinath	0830								Closed during winter Months																		
Joshimath	0830	..	..	..	..	13·7	7·9	2.2	7·2	47	..	4·2	..	9·7	0	0	30	0	5	13	4	0	0	0	0	0	8
	1730	..	..	..	..	17·7	10·6	3·9	8.1	43	..	5.0	..	4.1	0	0	28	1	3	3	9	1	3	1	7	2	0
Mussoorie	0830	2042	..	..	..	14·2	8.1	1.7	7·0	46	+2	4·1	+1 8	3 1	0	0	21	8	3	0	2	2	1	0	5	9	0
	1730	,,	..	..	..	15 6	9·6	3·9	8·1	51	..	5.1	..	4·9	0	1	26	8	4	0	2	6	4	0	3	3	0
Mukteswar (Kumaun)	0830	2311	3134·3	772·8	+0.1 −0·2	13·2	6.9	−0 8	5·7	42	+5	2.4	+0.2	6 0	0	0	26	0	3	5	0	2	2	8	6	4	0
	1730	,,	3128·9	771.6	..	15·5	8·8	1·9	7.0	45	..	3·4	..	10·0	0	0	30	1	2	2	0	3	4	12	6	0	0
Nainital	0830	1953	1491·1	805·5	+0·6	15·9	8·5	0·9	6·5	40	+4	3·4	+1·5	8.5	0	2	25	12	0	10	0	1	0	4	0	3	0
	1730	,,	1467·7	803·6	..	16·7	9·4	2·9	7·5	44	..	3·4	..	10·1	0	0	30	12	1	0	1	0	1	15	0	0	0
Kalimpong	0830	1209	1484.4	878.0	−0.7	18.6	16.3	14·8	16.8	79	+14	0·7	−1·8	5·3	0	0	30	0	1	0	1	0	2	0	26	0	0
	1730	,,	1479.3	877.6	.	19.5	16.3	14.2	16 2	73	..	0.9	..	5.6	0	0	30	0	0	0	28	0	0	0	2	0	0
Darjeeling	0830	2128	1509·2	790.9	+2.6	14·5	11·6	9·4	11.8	73	+8	(b) 5.0	+1.1	1.0	0	0	10	3	0	0	0	0	4	2	1	20	0
	1730	,,	1484.7	788.4	..	13·9	11·4	9·5	11·9	77	..	(b) 6.4	..	5.3	0	2	16	0	0	0	0	0	15	3	0	12	0
Kalimpong	0830	1406	1578·7	867·4	..	19·0	17.8	17·1	19.5	92	..	4·0	..	(b) 3.2	0	0	29	0	0	0	0	0	2	0	25	0	2
	1730	,,	1543 0	863·8	..	20·9	19.9	19.6	22.8	93	..	(b) 6 1	..	(b) 3.2	0	0	29	0	0	0	0	1	1	0	27	0	0
Shillong	0830	1500	1508·8	851·1	+1.6	20.0	17.1	15.3	17·4	74	+20	(b) 4 1	+0.9	(b) 6.4	0	3	12	0	0	0	0	1	9	3	2	14	0
	1730	,,	1482·7	848·5	..	19·2	16·7	15·1	17·1	79	..	4·8	.	3.5	0	3	5	0	0	0	0	0	7	1	0	22	0

(b) Mean of 29 days. (c) Mean of 28 days. *Data given as addenda in December 1965 issue.

Sub-Division and station	Hours of observation I.S.T	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, kms. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Varible
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hill Stations excluding Kashmir— (*Contd.*)																											
Cherrapunji (R)	0830	1313																									
(R)	1730	..																									
Abu	0830	1195	1521·3	882.8	+1.7	21·7	14·0	7·1	10·0	41	+13	2.4	+1.3	0.3	0	0	4	1	0	0	0	1	2	0	0	26	0
	1730	"	1499.6	880.1	..	26·3	14 0	1·7	7·0	21	..	2.3	..	1.7	0	0	13	1	0	0	0	4	7	0	1	17	0
Aijal	0830	"	..	..	..	22.9	16.4	15 7	17·8	65	..	(d) 2.7	..	(d) 4.2	0	0	27	4	0	11	0	7	0	5	0	0	0
	1730	"	..	..	..	24 8	18.8	15·2	17·3	57	..	(b) 3.2	..	(b) 4.1	0	0	29	3	0	1	0	10	1	14	0	0	0
Pachmarhi	0830	1075	1519.9	894.3	+0.5	26·1	15·1	5·3	9·1	28	−1	2.7	+0.9	3.5	0	0	29	1	3	8	5	6	2	1	3	1	0
	1730	"	1497.1	891.4	..	30.6	15 9	1.5	7·4	17	..	4 4	..	3.4	0	0	29	0	3	1	1	2	1	6	15	1	0
Mahabaleshwar	0830	1382	1514.5	863.3	−0.4	21·7	14·6	8 4	11 5	43	+7	1 2	−0.5	10·3	0	0	30	2	19	0	2	0	0	0	7	0	0
	1730	"	1496.5	861.4	..	25·4	19·2	15·2	7·7	54	..	1·9	..	10·4	0	0	30	0	4	1	0	0	4	1	20	0	0
Mercara	0830	1152	1512.3	896.3	+0.3	21·8	18.0	16·3	17.8	71	−6	2·1	−1·6	8·7	0	0	30	12	8	9	0	1	0	0	0	0	0
	1730	"	1489.3	883.4	..	25.8	20.2	16.6	19.6	62	..	4.7	..	7.8	0	1	29	4	4	5	0	0	1	10	6	0	0
Ootacamund (R)	0830	2249																									
(R)	1730	"																									
Coonoor (R)	0830	1747																									
Kodaikanal	0830	2243	3163.4	772.0	+0 3	15.5	11.3	7.0	10.7	62	+4	3.8	+1.2	8.0	0	1	25	3	12	0	6	2	0	0	0	4	0
	1130	"	3172.9	772.3	..	17.9	13.5	10.1	12.6	63	..	5.1	..	9.5	0	1	28	2	9	4	10	3	0	0	1	1	0
	1730	"	3144.2	770.4	..	15.0	13·1	11·7	13·8	82	..	5.9	..	7·7	0	1	26	4	4	0	9	5	1	1	3	3	0
Nepal																											
Katmandu	0830	1324	1490.2	866.0	..	16.6	13.4	11 0	13.3	70	..	2.9	..	0.1	0	0	1	0	0	0	0	0	0	1	0	29	0
	1130	"	1485.5	866.0	..	24.3	15.6	8.0	11.5	40	..	3.3	..	2.3	0	0	18	1	0	3	3	2	3	5	3	12	0
	1730	"	1463.8	863.9	..	22.6	15·8	10.7	13·1	49	..	4.3	..	2.8	0	0	17	3	0	0	0	2	3	6	3	13	0
Sikkim																											
Lachen	0830	"	..	..		11.7	7.7	3.7	8.0	58	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hydrometeorological Observatories—																											
Damodar Catchment:																											
Tilaiya	0830	..	..	..	..	29.7	18.6	10.2	12.4	32	..	2.0	..	8.9	0	1	27	1	0	0	1	2	5	13	6	2	0
	1730	..	..	..	..	32·4	19.6	10.1	12.3	29	..	1.4	..	9.6	0	1	28	2	0	0	0	1	0	16	10	1	0
Hazaribagh	0830	615	1007.8	940.6	..	27.4	18.3	12.4	14.4	39	..	2.1	..	8.8	0	3	22	0	0	1	0	2	2	4	16	5	0
	1730	"	1003.4	937.2	..	30.7	19.2	11.8	13.8	31	..	2.1	..	7.1	0	0	26	1	0	0	0	0	1	10	14	4	0
Konar	0830	"	..	..	..	29.6	20.9	15.5	17.6	44	..	1.0	..	4.3	0	1	27	0	0	1	0	0	1	1	25	2	0
	1730	.	..	..	..	30.4	20.2	13·4	15.4	36	..	1.9	..	6.4	0	0	29	0	0	0	1	1	0	1	27	1	0
Bokaro	0830	242	1007.3	980.4	..	28.3	19.7	14·0	16.0	44	..	6.7	..	4.7	0	0	27	0	0	1	0	1	8	10	7	3	0
	1730	"	1002.6	976.4	..	34.3	20.4	10.4	12.6	25	..	0.8	..	6.0	0	0	28	6	0	3	1	0	0	3	15	2	0
Maithon	0830	..	..	..	..	31.2	20 5	13.5	15.5	38	..	2.9	..	4.0	0	0	30	0	4	0	7	0	15	2	2	0	0
	1730	..	..	..	..	35.1	21.7	13.0	15.0	28	..	2.2	..	3.8	0	0	30	0	2	0	6	2	17	1	2	0	0
Ramgarh	0830	..	.	..	..	28.3	19 2	12.9	14.9	41	..	1.0	..	2.3	0	0	23	0	0	1	0	0	9	7	6	7	0
	1730	..	..	..	..	33.9	20 8	11.9	13.9	29	..	1·8	..	2·0	0	0	21	3	0	0	1	0	11	4	2	9	0
Panchet Hill	0830	..	..	..	..	29 0	20.2	14·5	16.5	44	..	1 8	..	6·7	0	0	27	0	1	0	3	0	12	0	11	3	0
	1730	..	.	..	..	33.8	21.2	12.9	14.9	31	..	1·8	..	3·5	0	0	13	0	0	0	0	0	2	0	11	17	0
Durgapur	0830	..	..	..	..	30.3	22.6	18.4	21.1	51	..	2.5	..	5.7	0	0	29	4	1	0	0	3	2	7	12	1	0
	1730	..	..	..	..	34.7	24.3	19.0	22.0	41	..	1.9	..	4·4	0	0	29	3	0	0	0	3	4	8	11	1	0
Mahanadi Catchment																											
Ginabahar	0830	..	..	..	..	28.0	18.6	12.3	13.7	41	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hirakud	0830	159	1008 9	991.2	..	29.9	22.6	18.7	21.6	52	..	1.6	..	1.7	0	0	13	1	1	3	1	1	3	1	2	17	0
	1130	"	1003 0	990.5	..	23.8	23.3	17.5	20.0	39	..	1.7	..	2·4	0	0	21	1	1	0	2	1	3	4	9	9	0
	1730	"	1004.1	996.7	..	35.2	22.7	15.3	17.4	32	..	2.3	..	1·4	0	0	13	2	0	0	0	4	5	1	1	17	0
Bhimkund	0830	..	..	..	.	25.9	21.7	19.4	22.5	68	..	2.6	..	0.6	0	0	4	0	0	0	0	0	1	0	3	26	0
	1730	..	..	..	..	32.5	21.3	14.2	16.2	36	..	3.6	..	1.3	0	0	11	1	2	0	2	0	1	0	5	19	0
Sonepur	0830	..	..	..	..	30.7	26.5	24.7	31.1	71	..	..	..	5.3	0	0	21	0	0	12	0	2	0	7	0	9	0
Khijrawan	0830	..	..	..	..	25.6	19.6	15 6	17.9	55	..	0	..	3.4	0	0	26	4	6	2	3	2	5	1	3	4	0
	1730	..	..	..	..	34.2	20.2	9.7	12.3	24	..	0	..	4·1	0	0	28	3	6	0	1	3	6	3	6	2	0
Narmada Catchment																											
Pagra Tawa	0830	..	..	..	..	29·1	17·5	7·3	10·6	27	..	1·7	..	11·1	0	1	27	0	8	4	1	3	8	4	0	2	0
	1730	..	..	..	..	36·9	20·0	6·7	9·6	15	..	3·2	..	8·9	0	1	24	0	6	1	0	0	8	9	1	5	0
Punasa*	0830	..	.	..	..																						
	1730	..	..	..	..																						
Thikri	0830	..	..	..	..	31·2	18·4	7·4	10·8	24	..	1·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sabarmati Catchment																											
Darol	0830	..	..	..	..	28·5	18·4	10·5	12·9	34	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	35·8	20·7	9·6	12·1	21	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

*Data not available. (R) Register not received. (b) Mean of 29 days. (d) Mean of 27 days.

TABLE III—SUMMARY OF OBSERVATIONS AT FIXED HOURS—APRIL 1965 (CHAITRA 11—VAISAKHA 10, 1867 SAKA)

Sub-Division and Station	Hour of observation I.S.T	Station elevation in metre	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature: Dry bulb	Mean temperature: Wet bulb	Mean temperature: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hydrometeorological Observatories—*Contd.*																											
Gandak Catchment																											
Tomosom	0830	..	..	..	..	12·6	8·0	4·2	8·4	57	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	12·3	8·7	6·0	9·5	67	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Khudi Bazar	0830	..	..	..	..	20·8	15·3	11·1	13·4	55	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	23·8	17·7	12·5	14·8	52	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Timure	0830	..	..	..	..	16·4	10·3	4·6	8·7	49	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	20·0	13·7	9·1	11·9	51	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pokhara	0830	..	..	..	..	22·0	16·0	11·7	14·0	54	..	2·4	..	2·1	0	0	18	0	0	2	2	4	4	2	3	12	1
	1130	..	..	..	..	26·8	17·0	9·6	12·4	37	..	2·9	..	5·4	0	0	27	0	0	0	18	8	1	0	0	3	0
	1730	..	..	..	..	25·8	17·2	10·6	13·5	43	..	4·3	..	5·2	0	1	28	3	3	5	13	2	0	0	3	1	0
Gorkha	0830	..	..	..	..	20·7	15·0	10·5	13·1	55	..	2·7	..	..	..	..	..	..	..		..	..	..	..	..	..	..
	1130	..	..	..	..	(e) 25·7	(e) 17·4	(e) 11·5	(e) 14·0	(e) 43	..	1·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	23·5	15·9	9·8	12·7	46	..	3·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nuwakot	0830	..	..	..	..	20·6	15·3	11·5	13·9	59	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..
	1730	..	..	..	..	24·6	16·8	10·9	13·7	49	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghaghara Catchment (Trans Himalayan Region).																											
Dailekh	0830	..	..	..	..	18·9	14·0	10·2	12·7	60	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	22·3	15·8	11·1	13·5	53	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghaghara Catchment																											
Dadeldhura	0830	..	..	..	..	16·1	10·7	6·2	9·6	53	..	2·9	..	5·3	0	0	30	2	4	7	5	2	3	4	3	0	0
	1130	..	..	..	..	19·2	11·9	6·0	9·5	45	..	3·7	..	7·2	0	0	30	6	2	4	0	1	1	6	10	0	0
	1730	..	..	..	..	17·9	11·6	6·5	9·8	50	..	3·6	..	8·2	0	0	30	6	0	1	0	2	4	7	10	0	0
Sallyana	0830	..	..	..	..	21·8	13·7	6·7	10·0	41	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	22·2	13·3	4·8	9·3	37	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..
Butwal	0830	..	..	..	..	28.0	18·7	11·7	14·3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	33·4	19·9	8·8	12·8	26	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
Baghmati Catchment																											
Katmandu*	0830	1324																									
	1130	,,																									
	1730	,,																									
Kosi Catchment																											
Chautara	0830	..	..	..	..	18·7	13·3	9·2	11·9	55	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	22·5	13·7	6·3	10·0	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Walungchang Gola	0830	..	..	..	..	7·8	6·0	4·4	8·5	80	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..
	1730	..	..	..	..	6·8	5·9	5·1	8·9	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taplethok	0830	..	..	..	..	18·0	13·1	9·0	11·7	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	20·3	14·0	8·7	11·6	49	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bhojpur	0830	..	..	..	..	19·0	14·5	11·4	13·9	63	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	17·8	13·5	10·2	13·0	65	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taplejung	0830	..	..	..	..	16·7	12·9	9·4	12·2	64	..	(h) 4·0	..	1·7	0	0	12	2	1	0	1	1	1	1	6	18	
	1130	..	..	..	..	19·7	13·9	9·5	11·9	53	..	(h) 4·0	..	7·3	0	0	28	0	1	2	5	14	1	2	3	2	0
	1730	..	..	..	..	17·5	13·0	9·6	12·3	63	..	(h) 6·3	..	8·2	0	1	25	0	2	1	8	11	2	1	1	4	0
Okhaldhunga	0830	..	..	..	..	17·2	12·4	8·4	11·5	59	..	1·7	..	2·3	0	1	5	0	0	0	1	1	1	2	1	24	0
	1130	..	..	..	..	19·9	13·1	6·9	10·8	48	..	2·8	..	6·2	0	2	19	0	0	0	0	1	5	13	2	9	0
	1730	..	..	..	..	17·5	12·3	7·7	11·3	58	..	4·1	..	6·2	0	2	24	1	0	0	1	0	3	20	1	4	0
Chainpur†	0830	..	..	..	..																						
	1730	..	..	..	..																						
Angbung‡	0830	..	..	..	..																						
	1730	..	..	..	..																						
Bauhakshetrat	0830	146	1008·0	992·1	..	26·1	19·4	14·6	17·4	51	..	1·9	..	2·8	0	0	24	2	1	2	1	2	9	2	5	6	0
	1130	,,	1007·0	990·8	..	30·7	21·4	15·4	18·0	41	..	3·1	..	5·6	0	0	28	0	0	0	0	0	24	3	1	2	0
	1730	,,	1003·6	987·5	..	30·5	20·8	13·7	17·0	40	..	3·2	..	3·0	0	0	20	0	1	2	0	1	5	7	1	10	3
Tista Catchment																											
Gangtok	0830	1812	1488·1	818·5	..	16·1	12·5	10·5	12·9	75	..	4·0	..	0·9	0	0	7	4	1	0	0	1	1	0	0	23	0
	1130	,,	1478·5	818·1	..	19·2	14·7	11·7	14·0	63	..	4·2	..	3.0	0	0	19	1	0	0	1	6	10	1	0	11	0
	1730	,,	1461·0	816·1	..	15·9	13·4	11·8	14·1	78	..	6·6	..	2·3	0	0	12	3	1	0	2	4	2	0	0	18	0
Gezing	0830	..	..	..	..	17·5	14·7	12·8	15·0	75	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	17·4	14·9	1 4	15·6	78	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

(e) Mean of 26 days. *Data included under Nepal. (h) Mean of 23 days. †Data not reliable. ‡Data not available.

MONTHLY MEANS OF UPPER WINDS

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

During the month, observations of velocity and direction of upper winds were made at 53 stations in India Out of these, at 39 stations all the observations were taken by means of pilot balloons and at 14 stations some observation were made by means of pilot balloons while the other observations by the radiowind method. In the case of Bangalore, the observations were taken by following radiosonde balloon by means of an optical theodolite. Particulars o these stations, their co-ordinates and the approximate times of the regular pilot balloon and rawin ascents at each station are given in the table overleaf. All radiowind ascents have been indicated by means of an asterisk(*) against the scheduled hours.

Data from ascents made at the scheduled time or within two hours on either side of the scheduled times of regular observations have been used for averaging.

Data upto 9.0 km. a.m.s.l. are given under Table IV and above 9.0 km. a.m.s.l. under Table V.

In Tables IV and V :

n—represents the number of observations;

V—represents the mean wind speed in metres per second irrespective of direction;

v—represents the resultant mean velocity in metres per second;

D—represents the direction of the resultant mean wind in degrees East of North.

Means and resultant winds are given in this publication for the following heights :

Surface, 0.15 km. a.g., 0.3, 0.6, 0.9, 1.5, 2.1, 3.0, 3.6, 4.5, 5.4, 6.0, 7.2, 9.0, 10.5, 12.0, 14.1, 16.2, 18.0, 21.0, 24.0, 27.0, 30.0, 33.0, and 36.0 km. a.m.s.l. Of these, levels 1.5, 3.0, 5.4, 7.2, 9.0, 12.0, 14.1, 16.2, 18.0, 21.0, 24.0, 27.0, and 30.0 km. a.m.s.l. are considered as the best approximations to the standard pressure levels 850, 700, 500, 400, 300, 200, 150, 100, 70, 50, 30, 20 and 10 mb. respectively.

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS IN INDIA

S. No.	Station	Lat. N	Long. E.	Height of Anemometer head a.m.s.l. in metres	Date of opening**	Approximate times of flight (I.S.T.)			
1	Agartala	23° 53′	91° 15′	17	28th November, 1951	0530	1130	1730	2330
2	Ahmadabad	23° 04′	72° 38′	61	19th May, 1928	0530*	1130	1730*	2330
3	Allahabad/Bamhrauli	25° 27′	81° 44′	103	28th February, 1930	0530*	1130	1730*	2330
4	Ambala	30° 23′	76° 46′	279	18th March, 1928	0530	1130	1730	2330
5	Anantapur	14° 41′	77° 37′	365	12th February, 1946	0530		1730	2330
6	Asansol	23° 41′	86° 59′	135	29th May, 1942	0530	1130	1730	2330
7	Aurangabad/Chikalthan	19° 51′	75° 24′	583	7th October, 1951	0530		1730	2330
8	Bahraich	27° 34′	81° 36′	134	1st October, 1961	0530	1130	1730	
9	Bangalore	12° 58′	77° 35′	936	19th May, 1915	0530@	1130	1730@	2330
10	Bareilly	28° 22′	79° 24′	181	12th January, 1943	0530		1730	
11	Begampet	17° 27′	78° 28′	543	1st September, 1929	0530		1730	2330
12	Bhagalpur	25° 14′	86° 57′	61	19th May, 1950	0530		1730	
13	Bhopal/Bairagarh	23° 17′	77° 21′	532	26th February, 1943	0530		1730	2330
14	Bhubaneshwar	20° 15′	85° 50′	54	5th December, 1942.	0530	1130	1730	2330
15	Bhuj/Rudramata	23° 15′	69° 48′	90	11th September, 1937	0530		1730	2330
16	Bikaner	28° 00′	73° 18′	229	13th October, 1946	0530		1730	2330
17	Bombay/Santa Cruz	19° 07′	72° 51′	27	14th May, 1933	0530*	1130	1730*	2330
18	Calcutta/Dum Dum	22° 39′	88° 27′	13	14th May, 1921	0530*	1130	1730*	2330
19	Cochin/Willingdon†	09° 56′	76° 14′	13	16th March, 1942	0530		1730	2330
20	Dehra Dun	30° 19′	78° 02′	692	1st October, 1958	0530		1730	
21	Dibrugarh/Mohanbari	27° 29′	95° 01′	112	1st June, 1948	0530	1130	1730	2330
22	Gadag	15° 25′	75° 38′	650	3rd May, 1943	0530		1730	2330
23	Gangtok	27° 20′	88° 37′	1764	31st May, 1963	0830		1730	
24	Gauhati	26° 05′	91° 43′	55	11th March, 1955	0530*	1130	1730*	2330
25	Gaya	24° 45′	84° 57′	119	19th March, 1937	0530	1130	1730	2330
26	Gopalpur	19° 16′	84° 53′	24	15th February, 1946	0530		1730	2330
27	Gorakhpur	26° 45′	83° 25′	83	5th January, 1943	0530		1730	
28	Gwalior	26° 14′	78° 15′	208	7th May, 1938	0530	1130	1730	2330
29	Imphal/Tulihal	24° 46′	93° 54′	782	29th March, 1943	0530	1130	1730	2330
30	Jabalpur	23° 10′	79° 57′	402	30th July, 1928	0530		1730	2330
31	Jagdalpur	19° 05′	82° 02′	562	25th March, 1948	0530		1730	2330
32	Jaipur/Sanganer	26° 49′	75° 48′	403	6th June, 1953	0530		1730	2330
33	Jamshedpur	22° 49′	86° 11′	144	23rd July, 1942	0530	1130	1730	
34	Jharsuguda	21° 55′	84° 05′	240	1st May, 1944	0530		1730	2330
35	Jodhpur	26° 18′	73° 01′	229	15th October, 1934	0530*	1130	1730*	2330
36	Lucknow/Amausi	26° 45′	80° 53′	133	20th November, 1950	0530		1730	2330
37	Madras/Minambakkam	13° 00′	80° 11′	29	8th April, 1926	0530*	1130	1730*	2330
38	Mangalore/Bajpe	12° 55′	74° 53′	104	4th June., 1928	0530		1730	2330
39	Minicoy	08° 18′	73° 00′	15	14th April, 1941	0530	1130	1730*	2330
40	Nagpur/Sonegaon	21° 06′	79° 03′	316	23rd April, 1943	0530*	1130	1730*	2330
41	New Delhi/Safdarjung	28° 35′	77° 12′	227	16th November, 1929	0530*	1130	1730*	2330
42	Poona	18° 32′	73° 51′	593	5th January, 1925	0530		1730	2330
43	Port Blair	11° 40′	92° 43′	95	13th March, 1926	0530*	1130	1730*	2330
44	Raipur	21° 14′	81° 39′	308	15th July, 1944	0530		1730	2330
45	Raxaul	26° 59′	84° 51′	83	28th October, 1957	0530		1730	
46	Srinagar	34° 48′	74° 48′	1595	1st August, 1962	0530*		1730*	
47	Tiruchchirappalli	10° 46′	78° 43′	96	22nd June, 1936	0530		1730	2330
48	Trivandrum	08° 29′	76° 57′	73	8th December, 1928	0530*	1130	1730*	2330
49	Udaipur	24° 35′	73° 42′	587	24th June, 1947	0530		1730	2330
50	Vengurla	15° 52′	73° 38′	8	20th November, 1941	0530		1730	2330
51	Veraval	20° 54′	70° 22′	17	13th October, 1941	0530		1730	2330
52	Vijaywada/Gannavaram	16° 32′	80° 48′	32	1st April, 1957	0530		1730	2330
53	Vishakhapatnam	17° 43′	83° 14′	10	24th September, 1928	0530*	1130	1730*	2330

*Radio wind ascents.

@Radiosonde ascents followed by optical the lite.

†Naval Meteorological Office.

**Refers to date from which data are available.

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

Station	AGARTALA																AHMADABAD							
Time in I. S. T.	0530				1130				1730				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	1·7	1·6	172	30	3·0	2·5	205	30	3·4	2·6	185	30	3·3	2·4	167	30	2·0	1·8	327	30	2·5	1·4	357
0·15 a.g.	27	5·5	4·6	175	30	4·0	4·2	206	30	7·0	5·8	185	30	6·9	5·2	174	30	7·8	7·2	340	30	3·5	2·4	348
0·3 a.m.s.l.	27	7·0	5·6	189	30	5·0	4·4	205	30	7·0	5·5	187	30	7·4	6·2	191	30	7·8	6·9	337	30	3·8	2·6	349
0·6 ,,	27	7·3	5·7	211	30	5·0	4·3	200	30	6·9	5·9	192	30	7·3	6·3	208	30	7·6	6·9	349	30	3·1	2·1	348
0·9 ,,	27	7·7	6·4	230	30	5·8	5·2	208	30	6·9	6·0	208	30	7·1	6·3	228	30	6·8	5·9	353	30	3·9	1·9	350
1·5 ,,	27	7·7	6·9	255	26	7·9	6·5	144	29	6·1	5·4	237	29	7·4	6·6	260	30	5·6	3·7	320	30	4·9	2·1	287
2·1 ,,	23	7·9	7·1	263	17	8·4	7·9	168	29	8·3	7·8	264	25	9·3	8·6	276	30	6.6	4.6	270	30	6·3	4·4	257
3·0 ,,	18	10·2	9·1	276	4	7·7	6·9	276	25	10·9	10·1	267	16	9·6	8·8	289	30	9.4	7.9	249	30	9·6	8·1	236
3·6 ,,	13	11·6	10·4	280					19	13·0	10·8	285	3	11·3	11·3	303	30	10.7	9.3	255	29	10·4	8·7	237
4·5 ,,	7	13·4	12·7	286					12	16.3	15.2	286					30	12.9	11.3	260	26	11·9	10·7	242
5·4 ,,	3	14·7	13·1	262					7	17.7	16.5	269					30	15.6	13.7	264	26	14·0	12·7	252
6·0 ,,	3	16.3	14.0	251					3	18.6	17.1	278					30	17.7	15.2	269	25	15·9	14·3	253
7·2 ,,									1	32.0	32.0	290					30	21.5	19.7	273	17	18·5	17·1	259
9·0 ,,									1	35.0	35.0	295					25	26.0	23.9	277	4	23·5	23·0	244

Station	AHMADABAD								ALLAHABAD/BAMHRAULI															
Time in I. S. T.	1730*				2330				0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	3·4	3·0	304	30	2·0	1·2	305	30	0·4	0·1	279	30	1·3	0·9	286	30	3·2	2·7	298	30	1·0	0·8	289
0·15 a.g.	30	5·6	5·0	309	30	7·6	5·9	309	30	6·0	4·3	327	30	4·3	2·4	293	30	7·2	6·1	303	30	9·0	6·5	319
0·3 a.m.s.l.	30	5·4	4·7	308	30	8·2	6·4	309	30	6·0	4·3	327	30	4·3	2·7	292	30	7·2	6·1	303	30	9·3	7·2	323
0·6 ,,	30	4·9	4·2	307	30	8·0	4·7	340	30	7·3	5·8	324	30	4·4	2·9	292	30	7·5	6·0	308	30	9·6	8·1	321
0·9 ,,	30	5·2	4·6	306	30	7·2	6·1	311	30	8·0	6·7	320	30	5·5	4·5	291	30	6·8	6·2	304	30	8·9	7·9	312
1·5 ,,	30	4·8	4·1	306	30	5·8	4·9	301	29	9·0	8·5	297	30	8·4	6·9	291	30	7·1	6·7	300	30	9·0	8·0	296
2·1 ,,	30	5·9	4·9	292	30	6·3	5·1	286	29	10·6	9·8	288	29	10·3	9·2	291	30	9·1	8·3	296	29	9·7	9·2	290
3.0 ,,	30	9·3	7·2	266	29	9·9	7·9	255	29	13·0	12·2	282	29	12·7	11·7	292	30	11·9	11·2	287	22	11·1	10·5	282
3·6 ,,	30	11·2	9·0	254	9	10.8	8·3	244	28	14·0	13·3	280	29	13·2	12·4	289	30	14·3	13·4	281	6	8·8	8·3	276
4·5 ,,	29	12.5	10.5	268	1	10·0	10·0	316	28	15.1	14.3	279	27	14·3	13·4	283	30	14·9	13·8	281	6	12·2	10·1	262
5·4 ,,	28	13.9	11.6	272					28	15.6	14.7	277	26	15·7	14.3	282	30	18.2	15.1	280				
6·0 ,,	28	15.4	13.4	267					28	16.9	16.3	280	24	16·5	15·3	283	29	16.7	15.7	279				
7·2 ,,	28	20.0	17.8	269					28	21.3	20.4	271	21	20·1	18·2	278	29	19.7	18.6	270				
9·0 ,,	24	26.8	23.9	283					27	25.7	23.4	270	9	27·7	25·2	273	29	26.3	23.0	267				

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

Station	AMBALA																ANANTAPUR							
Time in I. S. T.	0530				1130				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	1·7	1·2	338	30	2·5	1·7	318	30	2·8	1·4	292	30	2·6	1·6	323	30	1·1	0·8	222	30	3·4	2·5	079
0·15 a.g. .	24	7·8	5·7	355	25	4·4	2·7	322	24	6·3	4·6	294	25	9·6	7·2	342	30	4·7	3·3	200	30	4·4	3·4	078
0·3 a.m.s.l. .	24	4·1	3·1	345	25	3·1	2·2	315	24	4·1	2·5	305	25	4·6	3·6	337								
0·6 ,, .	24	9·0	6·5	345	25	5·2	3·3	325	24	6·4	4·1	309	25	9·6	7·2	343	30	4·8	3·3	209	30	4·0	3·1	084
0·9 ,, .	24	9·0	5·8	342	25	6·3	4·0	328	24	6·9	4·4	315	25	8·1	6·3	341	30	5·1	2·2	200	30	4·4	3·3	090
1·5 ,, .	24	8·1	4·2	322	25	6·8	3·4	310	24	7·4	4·3	319	25	6·3	4·2	321	30	5·0	2·2	118	30	4·3	3·3	094
2·1 ,, .	20	6·6	3·1	282	25	8·3	4·7	298	25	6·8	3·4	320	24	7·3	4·3	301	30	5·7	3·9	081	29	4·9	3·6	087
3·0 ,, .	19	8·6	3·0	280	24	9·7	5·6	291	18	7·5	4·4	291	14	6·0	4·8	281	29	7·7	5·8	065	27	6·5	4·8	085
3·6 ,, .	15	10·5	7·4	277	17	9·9	6·7	299	14	6·0	4·1	309	7	7·7	6·0	299	29	9·0	6·3	058	23	7·5	5·4	081
4·5 ,, .	9	13·0	11·8	291	10	10·3	6·6	292	12	9·1	7·9	290					28	8·3	4·9	063	16	6·9	3·2	085
5·4 ,, .	7	15·3	13·1	293	8	15·4	15·0	285	8	13.5	12·9	284					26	8·1	2·7	091	11	7·1	2·7	107
6·0 ,, .	7	18·0	16·1	287	5	14·6	13·4	279	6	19·7	18·3	279					25	8.5	1·5	109	7	10·0	1·3	034
7·2 ,, .	3	23·0	22·3	267	4	23·2	23·0	261	2	12·5	12·4	277					23	9·2	0·9	190	3	9·3	6·6	063
9·0 ,, .	1	48·0	48·0	256													19	8·6	4·2	246				

Station	ANANTAPUR				ASANSOL																AURANGABAD/ CHIKALTHAN			
Time in I. S. T.	2330				0530				1130				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	4·6	3·4	100	30	0·8	0·6	269	30	2·5	1·8	289	30	2·0	1·5	289	30	1·3	0·7	221	30	2·4	2·0	295
0·15 a.g. .	28	8·0	6·3	109	30	4·9	3·8	278	30	4·9	3·3	289	30	4·9	3·9	296	30	6·5	2·4	275	30	7·4	5·3	315
0·3 a.m.s.l. .					30	5·1	3·8	283	30	4·8	3·3	288	30	5·2	4·2	295	30	6·7	2·6	283				
0·6 ,, .	28	8·1	6·3	110	30	6·6	4·8	304	30	4·9	3·2	286	30	6·1	5·1	292	30	7·7	3·8	295				
0·9 ,, .	28	8·0	6·5	116	30	7·2	6·1	308	30	5·3	4·3	285	30	6·0	5·2	289	30	7·1	5·3	302	30	8·5	5·9	332
1·5 ,, .	27	5·6	4·5	112	29	8·4	7·7	302	29	6·9	6·5	294	30	6·5	5·9	290	30	7·5	6·6	292	30	8·7	6·1	349
2·1 ,, .	26	4·6	3·2	092	26	9·8	9·1	290	23	7·6	6·8	289	29	7·4	6·9	289	27	7·8	7·1	284	29	7·0	4·6	001
3·0 ,, .	26	6·3	5·0	067	23	11·6	10·6	287	13	12·4	11·7	297	29	10·8	10·1	296	21	10·3	9·4	285	23	6·3	2·3	038
3·6 ,, .	20	7·3	5·7	072	20	13·4	12·5	289					29	13·1	12·3	295	10	13·2	12·1	298	11	5·9	1·9	175
4·5 ,, .	3	7·0	5·2	339	10	14·4	13·3	291					24	16·6	15·5	295	1	11·0	11·0	315				
5·4 ,, .	1	6·0	6·0	350	8	14·1	12·7	296					21	17·5	16·1	290								
6·0 ,, .					6	13·8	11·8	298					14	18·8	17·7	287								
7·2 ,, .					4	19·5	17·9	300					10	22·9	21·7	284								
9·0 ,, .					2	28·5	27·9	268					5	17·4	15·2	286								

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

Station	AURANGABAD/CHIKALTHAN								BAHRAICH												BANGALORE			
Time in I. S. T.	1730				2330				0530				1130				1730				0530@			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	3·0	1·2	330	30	4·0	2·2	314	30	2·2	1·3	285	30	2·5	1·7	290	30	3·1	2·7	281	30	1·3	0·8	230
0·15 a.g.	30	4·6	1·8	308	29	9·0	4·4	326	29	8·0	5·9	312	30	5·6	3·9	300	30	7·7	7·1	293	30	4·6	2·4	191
0·3 a.m.s.l.									29	8·3	6·1	311	30	5·8	3·7	293	30	8·0	7·3	292				
0·6 ,,									29	9·6	8·2	306	30	6·7	5·1	297	30	9·6	8·8	295				
0·9 ,,	30	4.5	2·1	307	29	10·4	5·1	327	29	9·5	8·5	308	30	7·2	5·5	297	30	10·1	9·3	294				
1·5 ,,	30	3·9	2·1	320	29	9·5	6·3	345	28	11·1	10·9	302	29	10·1	8·5	298	29	10·6	10·0	294	29	5·6	1·7	107
2·1 ,,	27	3·9	2·0	323	26	7·0	5·5	352	27	12·6	12·3	300	29	12·4	10·3	299	27	11·0	10·5	293	28	6·6	4·3	076
3·0 ,,	14	5·4	4·1	291	18	7·8	1·1	355	24	14·7	13·9	292	24	11·8	10·8	286	20	12·3	11·5	294	27	8·7	7·2	065
3·6 ,,	9	5·1	4·4	292	7	6·1	1·2	328	20	15·4	15·1	289	24	12·2	11·3	293	19	12·4	11·4	297	27	9·3	7·3	062
4·5 ,,	5	8·4	6·6	267	1	1·0	1·0	110	9	13·0	12·9	286	21	15·0	14·4	291	14	13·9	12·4	291	25	8·7	6·0	063
5·4 ,,	4	11·2	11·1	287					5	13·4	13·3	280	14	15·4	14·3	281	9	17·0	16·0	285	25	7·6	4·1	077
6·0 ,,	4	15·2	14·7	288					4	14·8	14·7	278	11	15·9	12·8	276	7	18·1	17·4	287	25	7·6	3·9	088
7·2 ,,									2	18·5	18·4	279	5	17·2	16·2	275	6	21·0	19·9	291	25	8·3	2·5	067
9·0 ,,													2	36·0	30·3	250	1	26·0	26·0	290	25	9·0	1·9	229

Station	BANGALORE												BAREILLY								BEGAMPET			
Time in I.S.T.	1130				1730@				2330				0530				1730				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	1·9	0·7	124	30	2·7	2·3	094	30	3·7	2·8	137	30	1·4	1·2	292	30	2·0	1·6	288	30	1·9	1·0	170
0·15 a.g.	30	3·1	1·1	154	30	5·1	4·0	102	30	7·2	6·1	145	30	7·8	6·4	312	30	5·5	4·7	300	30	5·1	2·7	180
0·3 a.m.s.l.													30	7·0	5·9	311	30	5·2	4·4	302				
0·6 ,,													30	10·6	8·7	316	30	7·3	6·5	301	30	3·8	2·0	178
0·9 ,,													30	11·1	9·2	316	30	8·0	7·0	297	30	6·2	3·8	181
1·5 ,,	30	3·3	1·5	099	30	5·4	4·4	087	30	7·1	5·5	140	30	10·0	8·2	311	30	8·4	7·9	294	30	5·7	3·1	167
2·1 ,,	28	5·9	5·1	075	29	5·5	4·5	076	30	6·5	4·7	092	30	10·1	8·6	297	28	9·2	8·8	290	30	4·2	1·8	103
3·0 ,,	24	9·3	8·3	070	28	7·1	5·6	060	25	8·4	6·9	060	29	11·0	9·8	285	25	10·0	8·8	284	30	5·6	3·1	044
3·6 ,,	22	9·7	8·1	069	28	8·5	6·4	065	24	8·4	6·5	059	22	10·2	9·6	278	23	10·7	9.5	287	29	6·8	3·8	032
4·5 ,,	21	7·8	4·5	069	25	8·0	6·8	070	13	6·5	4·2	061	20	12·1	11·3	273	19	13·4	12·5	286	26	7·9	4·6	020
5·4 ,,	18	8·7	4·5	094	24	6·9	3·6	065	5	6·0	3·6	028	13	14·8	13·6	268	16	15·5	14·1	280	25	7·8	2·1	018
6·0 ,,	18	8·9	3·6	099	24	7·4	3·4	059	2	5·0	2·7	352	9	15·1	14·3	272	12	14·7	14·3	271	23	9·0	1·7	011
7·2 ,,	18	10·0	1·8	100	21	9·3	2·3	040	2	9·5	6·8	291	2	18·0	17·5	263	4	21·0	20·9	276	14	8·4	2·1	304
9·0 ,,	13	7·3	3·2	013	18	9·0	0·5	148	1	9·0	9·0	290									9	10·7	8·2	277

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

Station	BEGAMPET								BHAGALPUR								BHOPAL/BAIRAGARH							
Time in I. S. T.	1730				2330				0530				1730				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	2·8	1·7	108	30	2·5	2·2	125	30	2·5	0·3	060	30	3·3	2·7	291	30	2·0	1·1	048	30	3·0	2·0	302
0·15 a.g. .	30	4·7	3·1	102	30	5·9	5·3	138	30	5·5	0·4	282	29	6·9	6·1	291	30	7·2	3·8	049	30	4·6	3·1	302
0·3 a. m.s.l. .									30	6·0	1·1	259	29	7·1	6·0	293								
0·6 ,, .	30	4·3	2·7	101	30	4·7	4·3	134	30	7·6	5·2	286	29	7·7	6·8	292	30	5·8	3·2	048	30	4·1	2·6	299
0·9 ,, .	30	4·5	3·1	107	30	6·5	5·6	145	30	8·5	6·9	291	29	8·4	8·0	289	30	7·7	4·0	052	30	4·1	3·1	300
1·5 ,, .	30	4·0	2·5	110	30	5·5	4·2	131	29	10·3	9·7	292	24	8·6	8·3	284	30	5·4	1·9	013	30	4·3	3·3	298
2·1 ,, .	30	3·8	2·0	102	30	4·2	2·2	090	29	12·9	12·4	288	20	9·3	8·9	276	30	5·0	3·2	290	30	4·7	3·0	280
3·0 ,, .	30	4·7	1·5	076	30	6·0	2·8	020	17	12·3	11·1	257	12	11·2	10·6	279	29	6·6	5·6	264	30	6·3	5·1	272
3·6 ,, .	30	5·9	1·3	050	19	6·5	3·5	017	10	15·7	14·3	287	5	14·6	13·8	304	29	9·2	7·7	257	29	7·3	6·1	269
4·5 ,, .	28	6·9	2·0	360	1	2·0	2·0	092	5	13·6	12·9	286	4	14·7	13·9	30[illegible]	29	10·7	9·0	257	27	9·3	7·9	268
5·4 ,, .	28	7·5	2·7	320					2	11·5	10·0	273	1	19·0	19·0	265	27	12·6	11·4	267	21	10·7	9·2	268
6·0 ,, .	25	8·3	2·9	308									1	17·0	17·0	259	25	14·6	13·2	273	17	11·5	9·7	260
7·2 ,, .	13	8·4	2·3	255													17	18·7	17·2	277	13	14·4	13·3	269
9·0 ,, .	4	9·5	8·2	228													5	19·0	18·4	287	2	27·0	27·0	275

Station	BHOPAL/BAIRAGARH				BHUBANESHWAR																BHUJ/RUDRAMATA			
Time in I. S. T.	2330				0530				1130				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	2·7	1·8	020	30	4·3	3·6	201	30	3·4	2·8	210	30	6·7	5·9	185	30	4·3	3·6	205	30	1·5	1·4	310
0·15 a.g. . .	30	7·2	5·3	015	23	7·1	5·9	221	30	5·6	4·5	207	30	8·6	8·0	194	29	8·6	8·0	207	30	5·7	5·1	312
0·3 a. m.s.l. .					23	6·9	6·0	231	30	4·9	4·2	217	30	8·2	7·5	196	29	8·6	8·5	215	30	7·1	6·2	317
0·6 ,, .	30	6·5	4·7	016	23	7·3	6·0	240	30	4·1	3·1	232	30	6·9	6·2	199	29	10·0	9·7	219	30	8·8	7·8	320
0·9 ,, .	30	7·4	5·4	006	23	7·2	5·8	243	29	5·0	3·4	250	30	5·0	3·4	232	29	7·5	7·5	223	30	7·6	6·5	316
1·5 ,, .	30	5·7	3·3	334	23	5·0	3·5	273	28	4·7	3·3	272	29	4·5	3·2	305	28	4·8	3·7	269	30	6·6	4·0	295
2·1 ,, .	30	4·9	3·6	286	22	5·2	3·7	309	26	4·4	3·4	316	28	5·9	4·7	324	26	5·6	4·4	294	30	7·3	4·5	259
3·0 ,, .	30	6·0	5·3	254	21	7·4	4·7	321	16	5·7	5·0	001	27	7·7	6·1	325	16	7·0	5·5	324	29	9·7	7·6	249
3·6 ,, .	26	7·5	6·6	247	19	8·6	6·1	322					24	8·8	7·5	331	1	17·0	17·0	335	27	10·8	8·7	246
4·5 ,, .					11	7·9	5·4	314					21	8·1	6·6	327					24	14·1	11·5	245
5·4 ,, .					6	7·0	5·3	317					17	8·4	6·1	306					18	15·1	12·5	255
6·0 ,, .					5	8·8	8·5	317					11	9·3	7·5	284					16	17·0	15·1	257
7·2 ,, .					4	10·7	10·4	303					4	12·2	9·2	286					3	26·7	21·5	270
9·0 ,, .					2	16·0	15·9	305					2	8·0	7·3	290								

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 km. above mean sea level

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

Station	BHUJ/RUDRAMATA								BIKANER												BOMBAY/SANTA-CRUZ			
Time in I.S.T.	1730				2330				0530				1730				2330				0530*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	3·1	2·0	310	30	2·9	2·3	281	30	0·8	0·3	101	30	1·4	0·9	262	30	2·0	1·5	048	30	0·2	0·2	34
0·15 a.g. .	30	4·9	3·7	294	29	6·8	6·2	292	30	7·4	2·9	082	29	5·0	2·9	281	29	8·6	4·9	017	30	4·9	3·5	34
0·3 a.m.s.l. .	30	5·0	3·2	296	29	7·4	6·8	295	30	6·1	2·4	087	29	4·2	2·4	281	29	7·3	3·8	022	30	5·0	3·9	34
0·6 ,, .	30	4·9	3·6	289	29	7·3	6·5	299	30	7·2	2·3	045	29	5·4	3·4	280	29	8·5	3·2	013	30	5·2	4·0	34
0·9 ,, .	30	4·9	3·8	287	30	6·3	5·2	301	30	6·6	0·7	019	29	5·8	4·1	277	29	7·4	2·1	347	30	5·7	4·7	34
1·5 ,, .	30	5·2	4·3	280	30	5·2	3·5	287	30	6·3	2·8	268	26	5·0	3·1	282	28	5·7	2·6	258	30	6·1	3·9	34
2·1 ,, .	30	6·4	5·6	261	29	6·2	3·9	258	30	7·6	5·4	263	24	5·5	3·8	277	23	5·8	3·1	248	30	6·2	1·3	01
3·0 ,, .	30	9·6	8·3	253	29	8·4	6·5	246	27	10·0	7·3	259	21	7·5	5·3	265	20	8·1	5·9	247	30	7·7	4·9	14
3·6 ,, .	28	11·9	10·4	250	1	3·0	3·0	325	23	10·4	5·1	268	16	10·4	6·6	262	2	11·0	11·0	235	30	7·6	3·7	15
4·5 ,, .	27	14·7	12·6	249					14	13·8	11·6	265	10	15.4	8.9	275					30	7·5	3·0	21
5·4 ,, .	24	16·5	14·1	257					10	15·8	14·6	273	7	16.1	16.0	258					30	8·6	5·3	24
6·0 ,, .	21	16·5	14·8	256					8	15·5	15·1	266	7	19.0	18 9	263					30	9·9	6·6	25
7·2 ,, .	7	18·9	17·9	268					6	20·0	19·8	255	4	31.3	31.0	258					30	12.7	10.0	25
9·0 ,, .																					29	18.0	15.2	25

Station	BOMBAY/SANTACRUZ												CALCUTTA/DUM DUM											
Time in I.S.T.	1130				1730*				2330				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	2·6	2·2	298	30	6·2	5·9	307	30	1·9	1·1	302	30	1·5	1·3	215	30	1·8	1·5	221	30	2·2	2·0	19
0·15 a.g. .	30	3·8	2·5	298	30	7·9	7·1	306	30	5·7	3·9	322	30	6·5	5·8	231	30	4·0	2·1	223	30	6·4	5·3	20
0·3 a.m.s.l. .	30	3·8	2·0	337	30	7·6	6·8	305	30	6·4	4·4	333	30	7·1	6·0	231	30	4·0	2·7	247	30	6·1	4·7	21
0·6 ,, .	30	3·9	2·3	030	30	6·6	5·5	305	30	6·7	5·0	347	30	7·2	5·7	259	30	4·2	3·1	255	30	5·5	4.2	22
0·9 ,, .	30	4·4	3·2	041	30	5·4	4·7	307	30	6·7	5·6	351	30	6·6	5·3	274	29	4·8	3·4	267	30	4·7	3·7	24
1·5 ,, .	30	4·9	0·8	054	30	4·2	1·2	293	30	5·5	3·7	342	30	6·0	5·2	285	29	5·6	4·5	260	30	5·0	4·1	28
2·1 ,, .	30	5·2	1·8	182	30	4·9	1·2	145	30	4·3	0·8	354	30	6·9	6·2	291	29	7·7	6·5	283	30	7·3	6·7	29
3·0 ,, .	30	6·6	3·9	170	30	6·1	3·5	144	30	5·9	3·0	132	30	10·0	9·6	298	27	11·5	10·5	293	30	11·1	10·7	30
3·6 ,, .	29	6·6	3·9	187	29	5·9	3·3	154	27	7·2	4·1	135	30	12·2	10·9	305	22	13·8	12·7	293	29	12 9	12·3	31
4·5 ,, .	28	6·8	3·2	247	29	6·4	1·7	194	20	5·3	1·8	198	30	13·2	12·0	300	20	14·5	13·3	294	29	13·3	12·0	30
5·4 ,, .	27	9·5	5·8	250	29	7·7	3·7	239	14	7·8	4·6	250	29	12·5	11·4	290	13	17·5	15·8	294	28	14·3	13·1	29
6·0 ,, .	27	10·7	6·5	260	29	8·5	5·2	232	6	10·3	6·6	254	28	12·7	11·6	288	9	15·7	14·5	304	28	15·4	14·1	28
7·2 ,, .	25	13·0	9·8	267	29	11·2	7·9	248	3	13·3	12·7	290	28	15·6	13·7	282	4	14·5	13·7	282	28	17·5	16·5	281
9·0 ,, .	25	17·9	14·3	271	28	16·1	13·3	256					28	18.9	16.9	274	3	14·3	12·7	286	28	21·1	18·6	27

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 km. above mean sea level

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

Station	CALCUTTA/ DUMDUM				COCHIN/WILLINGDON†												DEHRA DUN							
Time in I.S.T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	2·1	1·7	198	30	0·8	0·7	028	30	4·7	3·8	271	30	0·9	0·2	296	30	0·5	0·4	018	30	1·1	0·6	260
0·15 a.g. . .	29	7·9	7·2	210	30	3·6	2·7	029	29	5·4	4·8	278	28	3·0	1·4	333	29	2·0	1·0	008	29	4·3	2·0	285
0·3 a. m.s.l. .	29	9·9	9·0	215	30	3.4	2.4	004	29	5.9	5.3	278	28	3·0	1·9	314								
0·6 ,, .	28	9·6	8·4	223	30	3.3	2.4	325	29	4.5	4.0	272	28	3·2	2·3	297								
0·9 ,, .	28	7·3	6·0	242	30	3·3	1·7	313	29	3.3	1·7	270	28	2·5	1·3	295	29	2·0	1·2	038	29	4·6	2·0	280
1·5 ,, .	28	6·8	6·1	292	29	3·2	0·5	081	29	4·0	2·8	081	27	2·9	0·5	112	29	3·0	1·5	042	29	4·4	2·3	282
2·1 ,, .	26	8·7	8·4	300	28	4·9	3·9	068	29	6·1	5·5	067	16	4·3	2·9	073	29	3·7	2·4	330	29	4·6	2·3	277
3·0 ,, .	17	11·2	10·6	301	25	6·8	6·2	070	25	7·8	7·4	068	9	4·8	3·9	063	20	5·5	2·8	297	23	4·3	2·5	275
3·6 ,, .	5	10·0	10.0	304	17	6·2	5·2	070	20	6·3	5·4	062	6	4·3	3·9	067	13	5·6	2·8	270	20	5·1	2·5	296
4·5 ,, .					7	4.3	2.5	075	13	5·5	2.7	055	1	2·0	2·0	190	11	8·1	6·0	273	16	6·7	4·2	300
5·4 ,, .					1	8.0	8.0	100	4	7·7	6·4	072					11	12·3	11·8	273	12	10·8	9·6	280
6·0 ,, .									3	7·3	5·4	076					11	15·5	14·7	270	12	12·4	8·7	273
7·2 ,, .																	8	17·5	16·8	263	3	15·3	10·7	247
9·0 ,, .																	3	24·3	23·7	267	3	19·0	6·3	201

Station	DIBRUGARH/MOHANBARI																GADAG							
Time in I.S.T.	0530				1130				1730				2330				0830				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	1·2	1·0	047	30	1·0	0·8	073	30	1·6	1·5	052	30	1·1	0·7	048	30	3·4	2.5	246	30	3·1	1·5	096
0·15 a.g. . .	28	4·8	3·9	054	28	2·8	2·3	061	29	4·4	3·3	049	20	3·8	2·6	039	30	5·6	3·8	264	30	4·5	1·9	097
0·3 a. m.s.l. .	28	5·1	3·9	055	28	2.8	2.1	062	29	4.0	3.4	049	20	3.7	2.6	047								
0·6 ,, .	28	4·3	2·7	065	28	2.9	2.4	065	28	4.0	2.8	062	20	3.9	2.7	058								
0·9 ,, .	28	4·0	1·4	099	27	2·4	1·1	087	29	3·2	1·4	075	20	3·2	2·2	091	30	5.9	3.0	285	29	4.4	2.3	090
1·5 ,, .	28	4·1	1·7	206	24	4·2	2·4	214	29	4·4	2·8	221	19	3·9	2·1	203	30	5.3	0.7	170	30	4.3	2.6	095
2·1 ,, .	27	6·1	4·2	229	22	6·0	4·8	221	28	7·0	6·3	232	19	4·7	3·5	240	30	5·4	2·8	099	30	5·1	2·9	094
3·0 ,, .	20	5·9	5·2	257	19	6·1	5·5	229	24	8·6	8·0	229	16	7·0	6·4	253	30	7·1	5·8	091	30	6·2	2·9	084
3·6 .	13	5·6	4·4	261	13	5·4	5·0	250	15	7·8	7·3	240	9	9·2	8·2	253	29	8·3	5·7	080	28	6·2	3·3	075
4·5 ,, .	11	5.5	3.8	269	10	6·2	5·4	252	11	5.2	4·8	243	1	14·0	14·0	255	28	7·7	3·8	070	23	5·5	2.4	063
5·4 ,, .	6	10.1	6.7	287	8	7·1	6·0	249	4	5·5	4·8	247					25	8·6	1·8	138	19	6.2	0.4	322
6·0 ,, .	5	10.2	9.7	257	7	9·1	7·7	288	2	11·5	10·4	234					24	8·5	1·5	147	16	8.1	0.5	342
7·2 ,, .	1	6.0	6.0	299	6	12·0	11·7	276									21	8·9	2·1	203	11	8.8	2.6	265
9·0 ,, .					6	20·0	19·5	274									19	9·0	5·4	237	6	10.8	6.7	285

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

Station	GADAG				GANGTOK								GAUHATI											
Time in I.S.T.	2330				0830				1730				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	4·3	2·1	236	30	0·6	0·5	006	30	1·2	0·6	142	30	0·7	0·3	089	30	2·2	1·3	032	30	1·6	0·5	01
0·15 a.g. . .	30	8·5	3·6	245	21	2·4	1·3	015	12	3·4	3·3	165	30	3·3	1·1	087	30	3·6	2.2	029	30	3·8	1·2	00
0·3 a. m.s.l. .													30	3·3	0·9	093	30	3·5	1·8	040	30	3·9	1·2	35
0·6 ,, .													30	3·7	0·3	194	30	2·9	0·6	003	30	4·3	1·5	26
0·9 ,, .	30	8·8	2·8	256									30	4·3	1·4	242	29	4·0	2·3	247	30	4·2	2·4	23
1·5 ,, .	30	6·9	2·4	110									30	6·1	5·0	252	27	6·7	6·4	252	30	6·8	6·3	24
2·1 ,, .	29	6·1	4·9	107	21	2·0	0·4	348	12	3·9	3·8	161	29	7·9	7·2	271	26	9·8	9·5	250	30	9·4	8·9	25
3·0 ,, .	29	6·5	5·8	090	18	2·1	1·1	164	11	3·5	2·7	173	28	10·0	9·6	272	22	12·0	11·6	255	30	10·9	10·6	26
3·6 ,, .	25	7·0	6·2	083	15	3·1	1·7	245	11	4·8	3·7	228	28	11·3	10·8	278	20	12·9	12·3	267	30	12·9	12·5	27
4·5 ,, .	17	7·1	3·6	078	12	7·4	5·8	265	4	4·3	4·0	264	28	13·7	13·1	278	18	16·2	15·3	273	30	15·0	14·3	27
5·4 ,, .	7	9·0	2·4	116	10	10·3	9·8	257	1	7·0	7·0	265	27	13·7	12·9	277	10	14·7	13·9	264	29	15·6	15·2	27
6·0 ,, .	2	10·5	10·5	242	9	11·1	10·7	260	1	13·0	13·0	265	27	14·5	14·0	288	9	15·2	13·9	278	29	15·3	14·8	28
7·2 ,, .					9	19·8	18·9	270	1	32·0	32·0	280	25	13·3	12·3	286	8	19·6	16·5	266	27	17·2	16·1	28
9·0 ,, .					2	24·5	19·5	271					25	21·3	18·8	285	6	24·5	21·0	273	26	21·9	19·6	28

Station	GAUHATI				GAYA																GOPALPUR			
Time in I.S.T.	2330				0530				1130				2330				0530				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	2·2	0·7	099	30	2·7	1·8	234	30	5·2	4·6	281	30	5·5	4·8	293	30	1·9	1·6	281	30	2·3	2·0	22
0·15 a.g. . .	28	4·6	0·9	134	28	5·9	4·0	270	30	6·0	5·6	289	30	7·5	7·0	298	30	7·8	6·0	303	29	8·1	7·5	21
0·3 a. m.s.l. .	28	5·0	2·3	114	28	6·0	3·9	288	30	6·4	5·6	286	30	7·7	7·2	298	30	8·2	6·5	305	29	6·6	6·0	22
0·6 ,, .	28	5·4	1·4	129	28	7·8	6·0	309	30	6·8	6·0	284	30	8·5	8·2	297	30	8·8	7·8	307	29	5·6	5·0	22
0·9 ,, .	28	4·7	1·6	216	28	8·8	7·7	309	30	6·4	5·6	284	30	9·1	8·8	297	30	8·6	8·0	304	26	6·0	5·3	22
1·5 ,, .	27	6·6	5·5	246	28	10·0	9·7	302	30	8·0	7·3	295	30	9·9	9·8	294	29	9·1	8·7	294	26	4·2	2·0	25
2·1 ,, .	25	8·8	8·5	253	26	12·0	11·6	297	25	12·0	11·7	293	30	10·5	10·2	290	21	10·1	9·5	293	25	4·7	2·7	32
3·0 ,, .	21	8·9	8·6	263	25	16·0	14·6	291	8	13·5	12·6	293	29	15·2	14·6	293	11	12·9	12·2	296	22	7·0	5·6	34
3·6 ,, .	9	9·5	9·1	269	20	15·9	15·8	291					26	15·7	15·1	291	2	17·5	17·5	280	20	7·0	5·6	34
4·5 ,, .	1	10·0	10·0	270	14	16·1	15·6	299					20	16·5	16·1	293					12	7·6	5·8	32
5·4 ,, .					7	13·3	13·2	297					14	16·5	15·5	296					10	7·0	5·7	29
6·0 ,, .					1	16.0	16·0	320					6	12·8	11·9	288					8	7·7	6·7	30
7·2 ,, .													3	15·0	14·8	281					3	14·0	10.6	28
9·0 ,, .													1	20·0	20·0	270								

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 km. above mean sea level

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

Station	GOPALPUR								GORAKHPUR								GWALIOR							
Time in I.S.T.	1730				2330				0530				1730				0530				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	4·9	4·7	207	30	4·2	4·1	220	30	1·1	0·5	280	30	2·0	1·9	270	30	1·4	0·8	306	30	2·3	1·4	315
0·15 a.g. .	29	12·7	12·4	202	30	11·3	11·1	210	30	7·7	4·5	300	30	6·9	6·4	281	30	6·3	2·5	355	30	4·3	2·4	318
0·3 a.m.s.l. .	29	11·3	10·5	203	30	10·0	9·9	213	30	9·1	6·6	305	30	7·7	7·3	281	30	4·9	1·5	330	30	3·9	2·2	219
0·6 ,, .	29	6·8	6·4	198	30	7·2	6·9	213	30	11·4	9·4	305	30	10·1	9·4	281	30	8·0	4·2	358	30	4·6	2·9	318
0·9 ,, .	29	4·6	3·5	180	29	4·6	3·9	213	30	11·6	10·4	302	30	11·1	10·5	280	30	7·5	4·1	347	30	5·2	3·4	305
1·5 ,, .	29	2·9	0·7	310	28	3·0	1·3	274	30	13·9	13·2	298	29	10·7	10·1	282	30	6·3	4·4	303	29	6·0	4·4	286
2·1 ,, .	28	4·1	3·1	330	26	4·6	2·8	335	26	15·5	15·3	293	27	12·1	11·3	285	30	8·5	7·3	285	29	7·6	6·3	273
3·0 ,, .	25	6·8	5·7	345	21	7·6	5·3	338	17	15·8	15·7	293	25	14·1	13·5	290	30	12·0	10·8	272	29	11·2	10·8	268
3·6 ,, .	22	7·9	6·6	348					13	17·9	17·2	296	16	15.6	15.1	293	29	13.2	11.9	271	29	13·3	12·1	268
4·5 ,, .	17	7·3	5·2	337					4	16·0	15·9	297	10	14.7	14.5	296	23	14.8	13.9	269	29	14·9	13·8	266
5·4 ,, .	13	8·2	6·7	304					1	11·0	11·0	300	5	17·2	16·9	294	18	17.3	16.6	273	28	17·1	16·4	268
6·0 ,, .	11	10·2	8·4	296					1	15·0	15·0	295	4	19·5	19·0	293	16	19·9	19·4	274	26	17·3	16·5	265
7·2 ,, .	3	8·0	6·6	295					1	19·0	19·0	290	1	32·0	32·0	290	9	17·5	17·1	272	18	20·0	19·1	267
9·0 ,, .	2	7·5	7·5	270																	7	21·0	19·5	265

Station	GWALIOR								IMPHAL/TULIHAL															
Time in I.S.T.	1730				2330				0530				1130				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	2·7	2·4	318	30	1·4	1·1	321	30	0·7	0·1	260	30	2·0	1·3	283	30	3·2	2·6	290	30	1·5	0·4	300
0·15 a.g. .	30	4·9	4·1	038	30	6·6	4·6	006	29	2·6	0·3	324	30	3·4	2·4	285	30	5·1	4·6	288	29	4·0	2·1	290
0·3 a.m.s.l. .	30	4·7	3·8	317	30	5·3	3·6	007																
0·6 ,, .	30	5·7	4·9	313	30	6·9	5·0	352																
0·9 ,, .	30	6·1	5·5	312	30	6·2	4·6	332	29	2·5	0·3	353	30	3·4	2·1	284	30	4·9	4·3	289	29	3·3	1·9	288
1·5 ,, .	30	6·5	5·7	301	30	6·0	5·0	295	29	5·7	4·0	273	30	4·5	4·2	263	30	6·5	6·3	267	29	6.8	6·0	264
2·1 ,, .	29	7·1	6·4	293	28	7·9	6·8	275	29	11·0	6·1	264	30	8·0	7·7	264	27	8·8	8·5	258	28	9·9	9·8	265
3·0 ,, .	27	10·0	9·3	276	26	10·4	9·6	267	28	13·0	12·2	275	21	10·5	10·5	273	27	12·4	11·8	266	17	12·0	11·0	273
3·6 ,, .	25	12·8	12·2	272	3	9·7	8·0	263	21	12·2	11·4	278	14	11·0	10·3	277	21	13·0	12·3	273	10	13·1	11·9	266
4·5 ,, .	24	15·4	14·5	271					12	12·0	10·9	274	6	13·0	12·1	273	12	14·6	13·0	270				
5·4 ,, .	19	17.2	16.3	269					3	10·6	9·3	276	4	13·0	12·7	277	5	12·6	12.4	283				
6·0 ,, .	17	18·5	17·6	270					2	15·5	14·7	283	1	18·0	18·0	275	1	19·0	19·0	280				
7·2 ,, .	10	19·5	18·4	266					2	18·0	16·1	266												
9·0 ,, .	1	29·0	29·0	280					1	12·0	12·0	300												

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 km. above mean sea level

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

Station	JABALPUR												JAGDALPUR											
Time in I.S.T.	0530				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	0·2	0·2	147	30	1·4	0·9	325	30	0·7	0·4	058	30	0·4	0·2	194	30	1·6	0·6	189	30	1·0	0·5	176
0·15 a.g. .	30	4·3	2·3	110	30	5·1	3·0	330	30	6·9	4·7	027	30	4·2	3·4	212	27	4·1	1·5	226	29	5·9	3·6	202
0·3 a.m.s.l. .																								
0·6 ,, .	30	5·0	2·8	113	30	5·2	3·3	328	30	7·2	5·1	025	30	2·2	1·8	216	27	2·9	1·0	225	29	4·4	2·8	201
0·9 ,, .	30	6·4	2·7	088	30	4·9	3·1	331	30	7·3	5·2	015	30	5·1	4·2	221	27	4·3	1·4	233	29	6·3	3·2	216
1·5 ,, .	30	5·5	1·1	303	30	4·6	3·0	324	30	8·5	3·9	338	30	4·7	2·5	274	27	3·1	1·2	277	29	4·7	2·0	263
2·1 ,, .	30	6·2	4·1	292	30	4·9	3·6	308	30	5·1	3·8	292	30	4·5	2·9	335	27	4·1	2·0	290	29	3·8	1·9	323
3·0 ,, .	29	7·5	6·8	284	30	6·3	4·8	285	30	7·0	6·0	260	30	6·4	4·6	350	22	4·1	2·1	338	28	4·7	3·3	008
3·6 ,, .	27	9·1	8·0	271	30	7·5	6·4	273	21	8·1	7·0	256	29	7·1	4·7	348	17	4.8	3·4	003	16	6·6	4·4	355
4·5 ,, .	25	9·8	8·6	278	24	10·0	9·2	273	11	10·2	9·3	253	28	7·0	3·2	332	14	6·0	4·1	322	11	7·1	4·3	349
5·4 ,, .	18	11·7	11·2	287	22	11·3	10·6	274	2	8·0	7·6	271	26	6·5	3·4	300	11	6.8	4·7	291	4	6·0	5·0	293
6·0 ,, .	17	13·5	13·1	280	19	12.3	11.6	272					25	7·8	4·6	294	11	7.3	5.6	295	3	3.3	3.0	314
7·2 ,, .	12	15.3	14.3	272	10	17.3	16.5	266					22	8·7	6·3	305	10	8.6	6.7	282	1	3.0	3.0	353
9·0 ,, .	8	21.1	19.1	265	5	19.4	19.2	275					18	11·8	8·9	276	8	10.4	9.1	275				

Station	JAIPUR/SANGANER												JAMSHEDPUR											
Time in I.S.T.	0530				1730				2330				0530				1130				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	1·1	0·7	037	30	2·5	2·1	307	30	1·4	0·7	003	30	1·1	0·9	293	30	1·9	1·0	287	30	2·2	0·7	296
0·15 a.g. .	30	6·1	3·3	037	30	5·2	3·9	285	30	7·1	4·0	349	30	3·2	2·3	275	30	3·0	1·3	275	30	3·6	1·2	306
0·3 a.m.s.l. .													30	3·3	2·5	271	30	3·0	1·3	272	30	3·8	1·3	302
0·6 ,, .	30	6·5	3·3	034	30	5·5	4·2	290	30	7·2	4·1	343	30	4·6	3·3	289	30	3·1	1·8	286	30	3·9	2·4	302
0·9 ,, .	30	7·1	2·4	350	30	5·5	4·5	290	30	7·1	4·3	338	30	5·6	4·0	297	30	4·1	2·8	294	30	4·5	2·7	293
1·5 ,, .	30	6·7	4·2	285	30	6·2	4·8	285	30	6·4	4·8	297	30	6·5	5·4	302	30	5·3	4·2	290	29	5·0	4·4	289
2·1 ,, .	30	8·3	7·0	268	29	7·4	6·0	278	28	6·9	5·8	274	30	7·2	6·7	298	27	7·1	5·6	289	29	5·9	5·5	288
3·0 ,, .	30	11·8	10·4	260	28	9·6	8·8	271	19	10·5	9·1	266	29	10·8	10·0	299	16	9·4	7·4	293	25	9·0	8·5	301
3·6 ,, .	29	13·4	11·7	262	28	12·5	11·5	267	4	12·0	11·1	256	26	14·3	13·6	303					23	11·5	10·6	300
4·5 ,, .	25	15·9	13·6	261	22	15·2	14·6	268					19	14.9	13.1	298					14	13·8	13·3	309
5·4 ,, .	17	16.5	15.1	260	18	18·2	16.9	271					8	9.1	8.0	288					8	12·0	10·4	302
6·0 ,, .	12	19.1	17.1	253	18	20.1	18.9	272					7	9.6	8.9	290					6	10·0	9·8	297
7·2 ,, .	4	18.7	18.2	260	12	23.7	22.9	269					4	12.8	12.0	280								
9·0 ,, .					1	20.0	20.0	245																

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

Station	JHARSUGUDA												JODHPUR											
Time in I. S. T.	0530				1730				2330				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	1·4	0.7	080	30	2·2	1·1	206	30	1·8	0·9	096	30	2·3	1·8	030	30	1·7	0·2	047	30	3·3	1·9	265
0.15 a. g. .	30	3·9	0·9	074	30	4·1	2·2	208	30	4·9	1·8	199	30	6·7	4·9	039	30	4·4	0·3	259	30	4·5	2·7	280
0.3 a. m. s. l. .	30	3·2	1·0	077	30	4·0	2·1	211	30	4·5	1·2	189	30	6·5	4·7	038	30	3·8	0·2	312	30	4·5	2·7	280
0.6 ,, .	30	5·2	1·1	014	30	4·0	2·1	233	30	4·8	2·0	228	30	6·0	3·2	028	30	4·3	0·9	169	30	4·8	3·2	263
0.9 ,, .	30	5·7	1·7	340	30	3·6	2·1	268	30	4·7	2·0	271	30	5·2	1·1	355	30	4·6	0·9	216	30	4·9	3·4	260
1.5 ,, .	29	5·9	3·2	300	30	4·1	3·1	299	30	4·4	2·6	295	30	6·1	2·6	273	30	5·5	2·7	243	30	5·5	3·6	248
2.1 ,, .	29	6·4	4·9	304	30	5·7	4·4	312	30	4·6	3·6	310	30	7·4	5·7	248	29	6·5	5·2	253	30	6·0	4.5	245
3.0 ,, .	28	8·4	7·7	301	29	7·9	7·0	318	29	6·3	5·4	316	30	11·4	10·5	252	29	11·0	9·5	255	30	8·9	7·5	247
3.6 ,, .	27	10·9	10·1	304	28	10·2	8·6	314	2	4.5	4·1	313	29	12·2	11·2	251	28	13·0	12·0	251	30	11·2	9·5	244
4.5 ,, .	25	11·0	10·0	311	27	9·7	7·8	310					29	14·1	12·7	250	27	16.0	14.5	250	30	15·9	13·8	246
5.4 ,, .	20	12·3	11·1	300	24	9·3	8·1	288					29	19·1	17·2	252	25	17·0	15·8	258	30	18·0	16·0	252
6.0 ,, .	17	11·7	11·0	294	23	10·8	9·6	290					27	20·6	18·5	253	23	20·0	18·5	260	29	20·8	19·0	254
7·2 ,, .	9	11·6	10·1	263	15	14·5	12·8	285					26	26.0	23.8	253	19	24.0	23.0	261	27	23·7	21·7	257
9.0 ,, .	2	17·0	13·3	277	6	17·7	15·2	300					23	32.4	28.8	260	14	32.0	30.0	260	27	30·8	27·9	255

Station	JODHPUR				LUCKNOW/AMAUSI												MADRAS/MINAMBAKKAM							
Time in I. S. T.	2330				0530				1730				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	2·6	1·2	310	30	1·1	1·0	295	30	4·5	4·2	310	30	1.8	1.5	295	30	1.7	1.4	200	30	3.5	2.4	162
0.15 a. g. .	30	8·9	3·8	320	30	7·5	6·3	318	30	7.2	6.9	301	30	9.4	7.9	313	29	4.0	3.5	198	30	4.4	3·3	163
0.3 a.m. s. l. .	30	7·6	3·6	310	30	7·9	6·6	320	30	7.5	7.2	301	30	9.5	8.2	318	29	4.7	4.3	196	30	4.5	3.7	167
0.6 ,, .	30	9·6	3·9	320	30	9·9	8·1	318	30	8.5	8.1	300	29	9.7	9.0	314	29	6.3	5.8	192	30	4.6	3.9	181
0.9 ,, .	30	8·6	3·9	300	30	10·5	8·7	317	30	9.7	9.1	301	29	9.7	9.2	306	29	6.1	5.0	192	29	4.1	3.0	185
1.5 ,, .	30	6·9	4·2	273	30	11·7	10·7	300	29	10.0	9.7	296	27	10.7	10·4	302	29	4.4	2.3	138	26	4.8	2.2	122
2.1 ,, .	28	7·1	5·2	253	27	12·1	11·5	296	28	11.6	11.2	296	19	10.6	10.2	288	29	5.8	4.3	082	21	7.1	5.2	075
3.0 ,, .	25	8·4	7·2	252	25	13·4	12.7	290	21	12.5	11.6	290	13	11.1	10.5	278	29	7.7	6.2	069	15	10.4	8.6	059
3.6 ,, .	11	9·2	8·0	245	23	12·2	14·0	288	20	14.1	13.0	286	1	15.0	15·0	300	29	7.9	6.4	068	12	10.4	8.7	070
4.5 ,, .	2	9·5	9·4	267	20	15·2	14·1	286	20	16.7	16.1	285					29	7.0	3.8	068	9	9.0	7.2	063
5.4 ,, .					17	16·8	16·3	284	16	18.3	18.0	285					29	6.8	3.0	075	9	9.0	7.1	086
6.0 ,, .					15	18·0	17·6	283	12	18.8	18.5	283					29	7.1	2.1	077	9	9.8	7.8	077
7.2 ,, .					8	20·1	17·0	279	6	19.3	18.5	282					29	7.9	1.8	004	8	10.9	7.3	292
9.0 ,, .					1	21·0	21·0	280	1	26·0	26·0	290					28	10.1	1.5	220	6	7·7	3·8	062

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 km. above mean sea level

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

Station	MADRAS/MINAMBAKKAM								MANGALORE/BAJPE												MINICOY			
Time in I.S.T.	1730*				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	29	5·1	5·1	138	30	3·7	3·3	143	30	0·8	0·6	073	30	4·3	4·1	281	30	0·9	0·7	319	30	1·7	1·1	330
0·15 a.g. .	29	6·4	6·1	140	30	6 9	6·6	153	30	2·9	1·8	018	30	6·4	6·1	287	30	3·7	3·2	315	29	3·6	2·6	339
0·3 a.m.s.l. .	29	6·0	5·7	143	30	7·5	7·1	157	30	3·0	1·8	359	30	6·3	6·1	286	30	4·0	3·7	317	29	3.9	2.9	341
0·6 ,, .	29	5·2	4·6	153	30	7·2	6·7	159	30	3·1	1·9	323	30	5·3	4·8	293	30	4·1	3·7	314	29	3·6	2·1	350
0·9 ,, .	29	3·8	2·3	153	30	5·4	4·8	159	30	3·1	1·7	324	30	4·0	3·4	305	30	3·5	2·3	309	29	3·5	1·4	027
1·5 ,, .	29	4·2	2·0	091	30	4·7	2·9	133	29	3·7	0·5	352	29	3·6	1·7	011	28	3·1	0·5	303	29	4·8	2·6	071
2·1 ,, .	29	6·1	4·6	075	29	4·9	3·5	080	27	4·9	3·4	079	27	6·1	4·9	075	26	6·7	5·1	093	27	6·3	5·0	088
3·0 ,, .	29	8·5	6·6	065	28	7·3	6·0	065	27	7·5	6·6	077	27	9·3	8·1	081	21	9·2	3·5	084	27	7·1	5·7	096
3·6 ,, .	29	8·3	5·4	060	18	6·6	4·7	054	23	8·4	6·2	075	24	9·3	7·1	077	9	10·1	8·0	076	24	6.0	4.5	100
4·5 ,, .	29	6·4	3·0	062	10	5·6	2·5	027	20	8·9	5·4	062	18	8·3	5·3	072	6	7.5	6·7	060	24	6.0	3.9	095
5·4 ,, .	29	6·4	2·8	077	3	7·3	0·7	352	18	7·7	3·7	070	16	7.1	3.0	056	1	5·0	5·0	300	21	5.7	3.2	094
6·0 ,, .	29	6·7	1·7	061	1	11·0	11·0	240	17	8·5	3·2	059	15	6.5	2.4	339					19	5.4	2.9	094
7·2 ,, .	28	7·5	0·2	089					10	9·9	2·3	078	10	7·8	4·2	323					13	6.8	2.0	123
9·0 ,, .	28	9·8	2·6	285					4	9·5	5.4	340	6	10·8	7·7	312					8	7.4	4.0	261

Station	MINICOY												NAGPUR/SONEGAON											
Time in I.S.T.	1130				1730*				2330				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	1·6	1·1	231	30	2·9	2·3	331	30	1·4	1·1	328	30	1·6	0·4	023	30	1·4	0·2	027	30	1·5	0·7	282
0·15 a.g. .	30	3·4	2·8	348	30	3·8	3·1	330	30	3·3	2·5	331	30	5·0	0·5	055	29	3·2	0·9	317	30	3·4	1·6	281
0·3 a.m.s.l. .	30	3·7	3·1	348	30	3·7	3·0	334	30	3·0	2·2	334												
0·6 ,, .	29	3·9	2·9	358	30	3·3	2·3	339	30	3·2	1·8	442	30	5·3	0·6	077	28	3·6	0·5	315	30	3·2	1·4	278
0·9 ,, .	28	3·8	2·2	015	30	2·9	1·4	011	30	3·1	1·1	032	30	5·6	1·4	134	28	3·5	0·9	200	30	2·6	1·3	273
1·5 ,, .	27	4·1	2·6	074	30	3·6	1·9	064	26	4·7	3·5	087	30	4·6	0·7	208	29	3·7	1·1	219	30	2·5	1·4	270
2·1 ,, .	26	6·0	5·0	088	30	5·8	4·3	077	21	6·2	5·2	079	30	4·2	1·6	266	29	3·7	1·7	244	30	2·6	1·5	291
3·0 ,, .	23	7·5	6·2	092	30	5·7	4·0	081	17	4·8	3·0	089	30	5·1	3·4	285	29	5·1	2·7	274	30	3·6	2·3	295
3·6 ,, .	23	7·1	5·8	089	30	5·1	3·3	087	12	4·9	3·1	090	30	5·9	3·7	290	27	6·3	3·5	278	30	4·7	2·8	294
4·5 ,, .	21	6·4	4·6	102	30	5·0	3·1	089					30	10·3	5·2	293	26	8·3	6·2	288	30	6·6	4·5	293
5.4 ,, .	19	6·6	4·6	093	30	5·4	2·8	097					30	8·0	6·7	286	24	9·5	8·5	275	30	8·1	6·1	288
6·0 ,, .	18	7·2	4·8	098	30	6·4	3·0	094					30	9·3	8·0	280	22	11·0	9·9	273	30	8·9	7·5	281
7·2 ,, .	15	9·4	6·4	080	29	6·4	2·5	060					30	11·7	10·2	273	21	14·1	12·2	272	30	10·7	8·9	273
9·0 ,, .	8	8·6	3·2	102	27	6·8	0·5	006					30	15·6	13·3	275	19	19·3	16·6	279	30	14·3	12·7	260

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

Station	NAGPUR/ SONEGAON				NEW DELHI/SAFDARJUNG																POONA			
Time in I.S.T.	2330				0530*				1130				1730*				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	2·6	0·3	154	30	2·5	2·1	330	30	4·2	3·3	310	30	3·0	2·1	312	30	2·7	2·1	316	30	Calm		
0·15 a. g.	29	6·9	1·4	142	30	7·5	5·0	331	30	5·9	4·2	306	30	6·2	4·7	313	30	9·0	6·7	340	30	3·4	2·6	291
0·3 a. m. s. l.					30	5·9	4·0	333	30	5·4	4·1	306	30	4·8	3·6	312	30	7·1	4·5	345				
0·6 ,,	29	7·2	1·1	163	30	8·0	5·5	334	30	6·6	4·3	300	30	6·6	5·1	311	30	8·7	6·4	335	30	1·8	1·3	252
0·9 ,,	29	5·8	1·1	217	30	8·4	6·3	324	30	7·4	4·3	298	30	6·7	5·4	306	30	7·8	6·2	315	30	4·4	3·1	317
1·5 ,,	29	4·4	1·0	271	30	8·8	6·5	302	30	8·4	5·8	288	30	6·9	5·6	298	29	7·7	7·1	305	30	6·7	3·9	020
2·1 ,,	28	3·6	1·8	277	30	8·6	6·6	288	29	8·7	6·7	281	30	7·9	6·9	294	26	9·2	8·1	280	30	5·8	3·1	068
3·0 ,,	28	5·6	3·5	288	30	9·8	8·7	276	27	11·1	10·1	280	30	9·0	7·9	284	21	11·3	10·0	265	29	6·1	3·2	131
3·6 ,,	21	5·9	3·5	282	30	11·4	10·3	274	26	11·3	10·0	278	30	11·7	10·4	276	2	14·5	14·5	235	27	6·1	3·2	148
4·5 ,,	9	4·6	3·1	288	30	14·3	13·1	268	23	14·2	13·4	269	30	14·5	13·2	266					11	7·3	3·9	198
5·4 ,,	2	4·5	4·1	230	30	16·1	14·8	264	20	17·1	15·1	267	30	16·7	15·2	268					6	7·8	5·2	255
6·0 ,,	2	7·5	5·7	217	30	17·7	16·1	265	20	19·4	17·9	269	30	18·3	16·3	268					3	10·0	4·0	246
7·2 ,,					30	22·6	20·3	263	16	27·0	26·4	269	30	21·9	19·3	264					3	10·0	7·7	234
9·0 ,,					30	29·2	25·9	262	6	38·7	38·3	259	30	29·7	26·5	266								

Station	POONA								PORT BLAIR															
Time in I.S.T.	1730				2330				0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	1·0	0·9	280	30	1·0	0·8	258	30	0·7	0·6	068	30	2·5	1·8	087	30	1·2	0·7	053	30	1·6	1·0	034
0·15 a.g.	30	4·5	2·8	287	29	5·9	4·2	275	30	3·2	1·6	025	30	3·9	3·3	077	30	3·2	1·5	044	30	3·3	2·1	032
0·3 a. m. s. l.									30	3·0	1·5	025	30	3·9	3.2	072	30	3·2	1·6	043	30	3·7	2·2	029
0·6 ,,	30	2·7	1·6	286	29	3·5	2·4	260	30	3·1	1·0	030	30	3·2	1·5	058	30	3·3	1·6	025	30	3·5	2·3	040
0·9 ,,	30	4·6	3·0	285	29	6·8	5·2	295	30	2·8	0·8	082	29	3·1	1·1	049	30	3·1	1·4	022	28	2·9	1·6	051
1·5 ,,	30	3·2	1·9	301	29	6·8	4·6	324	30	3·6	1·7	108	25	2·6	0·7	073	30	3·7	1·7	069	28	3·2	1·6	174
2·1 ,,	30	3·1	0·7	334	29	5·6	2·4	043	30	4·5	2·7	094	21	3·2	2·0	078	30	3·9	1·8	080	23	3·0	1·6	082
3·0 ,,	29	4·1	2·2	090	28	6·5	4·0	104	30	4·1	2·6	085	19	3·8	1·4	069	30	3·8	2·0	067	20	2·3	0·8	057
3·6 ,,	28	5·6	2·1	093	22	7·3	2·9	116	30	4·1	2·9	093	15	3·6	1·3	359	30	4·0	1·9	069	14	2·4	1·1	072
4·5 ,,	25	5·8	1·7	276	14	6·0	1·8	131	30	4·3	2·6	072	13	4·3	1·5	022	29	4·6	2·8	064	11	2·6	0·6	063
5·4 ,,	22	7·5	4·2	256	4	6·0	3·7	221	30	5·1	2·6	069	10	4·9	2·1	349	27	5·8	3·5	067	6	4·0	1·2	159
6·0 ,,	21	9·1	6·0	263	2	7·0	6·7	252	29	5·9	2·6	047	10	5·5	2·5	350	26	6·7	4·1	070	3	3·3	2·6	184
7·2 ,,	15	13·4	11·1	285					28	6·5	1·9	026	6	7·8	1·5	250	26	6·7	2·5	055				
9·0 ,,	6	19·0	16·5	283					25	9·3	1·6	265	3	11·7	10·9	282	25	9·0	2·5	264				

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

Station	RAIPUR												RAXAUL								SRINAGAR			
Time in I.S.T.	0530				1730				2330				0530				1730				0530*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	1·7	0·5	287	30	1·7	0·6	288	30	2·1	1·1	173	30	3·0	1·0	087	30	2·9	2·0	270	19	0·9	0·1	259
0·15 a. g. .	30	6·3	1·7	302	30	3·1	1·6	278	30	5·4	2·1	190	30	7·7	2·8	096	30	5·7	3·8	269	19	1·8	0·2	197
0·3 a. m. s. l. .													30	7·9	2·1	104	30	6·2	4·4	268				
0·6 ,, .	30	7·0	1·4	300	30	3·3	1·7	282	30	5·3	1·9	212	30	7·5	1·2	149	30	6·9	5·5	267				
0·9 ,, .	30	6·8	1·4	309	30	3·5	1·9	283	30	4·3	1·6	232	30	6·1	1·7	278	29	6·5	5·1	268				
1·5 ,, .	30	5·1	2·3	300	30	3·7	2·1	298	30	3·7	2·0	271	30	5·9	4·7	279	28	7·6	6·9	273				
2·1 ,, .	30	5·2	4·1	288	29	4·2	3·0	301	29	4·1	2·7	247	26	6·8	6·2	286	23	7·7	6·9	277	19	2·1	0·5	139
3·0 ,, .	30	6·6	5·2	293	29	5·7	4·7	293	28	5·6	4·4	309	22	12·5	12·3	288	17	10·2	9·9	294	19	3·8	2·8	147
3·6 ,, .	30	7·7	5·7	295	29	7·1	5·8	295	19	5·9	5·1	318	18	13·3	13·1	290	13	13·5	13·3	291	19	5·5	5·1	153
4·5 ,, .	26	8·6	6·5	310	26	8·4	6·4	293	9	6·0	5·3	310	6	14·8	14·7	299	3	8·7	8·1	293	19	7·0	5·7	180
5·4 ,, .	23	7·9	6·2	295	23	8·6	7·6	290	6	8·1	6·6	293									19	7·9	6·5	210
6·0 ,, .	23	8·3	6·6	274	23	11·1	10·2	285	3	7·3	5·8	264									19	9·7	8·1	227
7·2 ,, .	20	10.8	9.1	270	19	14.5	13.1	281	1	11·0	11·0	280									19	12·4	11·3	240
9·0 ,, .	12	14·7	12·9	267	4	15·5	14·9	260													18	19.3	16.9	250

Station	SRINAGAR				TIRUCHCHIRAPPALLI												TRIVANDRUM							
Time in I.S.T.	1730*				0530				1730				2330				0530*				1130			
H. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	23	2·3	1·8	323	30	1·7	0·3	321	30	3·9	2·3	120	30	4·2	3·4	143	30	1·1	0·9	007	30	1·3	1·0	305
0·15 a. g. .	23	3·2	2·5	321	30	3·6	0·6	211	30	5·3	3·8	120	30	6·4	5·3	150	30	4·0	3·6	342	30	2·9	1·9	299
0·3 a. m. s. l. .					30	3·7	1·1	210	30	5·2	3·9	199	30	6·5	5·2	152	30	3·7	3·3	340	30	2·6	1·7	286
0·6 ,, .					29	4·0	1·3	196	30	4·9	3·9	120	30	6·8	5·5	151	30	3·7	2·9	321	30	2·1	1·5	309
0·9 ,, .					28	3·6	1·3	175	30	4·4	3·3	113	30	5·7	4·5	140	30	3·4	2·0	325	29	2·4	1·2	331
1·5 ,, .					28	3·4	1·4	078	30	4·1	2·6	091	30	4·0	2·4	098	30	3·9	1·9	060	24	3·2	1·9	055
2.1 ,, .	23	3.0	1·8	329	26	4·9	3·9	066	29	4·5	3·3	060	30	4·8	3·4	065	30	5·5	4·5	072	18	5·8	4·5	070
3.0 ,, .	23	4·0	3·0	144	26	6·9	5·8	065	27	6·3	4·7	050	28	6·5	5·3	062	30	6·4	5·2	070	11	7·6	7·1	076
3·6 ,, .	23	5·6	4·9	159	23	6·7	5·4	064	26	6·5	4·3	047	24	6·5	4·8	060	30	5·6	3·9	080	9	7·1	6·8	069
4·5 ,, .	22	8·2	6·1	270	21	6·4	4·2	0.9	19	5·7	3·3	056	13	4·8	2·9	036	30	5·3	2·4	0·7	9	7·7	6·7	076
5·4 ,, .	21	9·0	6·2	216	16	7·6	3·8	100	13	8·2	5·4	078	8	6·5	4·9	058	30	6·0	3·4	095	9	7·0	5·7	096
6·0 ,, .	21	10·5	8·1	233	15	8·3	2·8	105	7	9·0	8·2	001	4	8·0	7·3	037	30	6·6	3·4	095	8	8·9	7·4	092
7·2 ,, .	22	13.3	10·5	241	7	9·1	5·8	094	4	11·7	10·7	077					30	6·5	2·7	075	7	8·0	3·9	102
9·0 ,, .	20	20.0	16.2	246	2	16·5	15·7	119	1	13.0	13·0	050					30	8·5	2·0	182	6	8·7	2·3	126

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

Station	TRIVANDRUM								UDAIPUR												VENGURLA			
Time in I.S.T.	1730*				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	2·3	2·0	263	30	1·2	0·6	026	30	0·1	0·1	294	30	0·9	0·6	260	30	0·3	0·3	276	30	0·6	0·3	057
0·15 a. g. .	30	4·4	3·7	266	30	2·6	1·0	337	30	3·2	1·6	337	30	4·7	2·3	260	30	4·9	3·6	302	30	3·8	1·2	008
0·3 a. m. s. l. .	30	4·2	3·3	259	30	2·8	1·1	321													30	4·0	1·3	342
0·6 ,, .	30	4·2	2·7	249	30	3·3	1·2	299													30	4·3	2·3	346
0·9 ,, .	30	3·2	0·9	258	28	3·3	0·9	284	30	4·4	2·1	333	30	5·2	2·7	265	30	5·6	3·8	298	30	5·7	4·3	347
1·5 ,, .	30	3·9	2·6	241	24	3·5	1·8	065	30	6·4	2·4	263	30	5·3	3·5	261	30	6·0	4·3	289	29	5·6	2·5	355
2·1 ,, .	30	6·1	5·2	055	22	5·5	4·6	070	30	8·2	5·2	257	30	5·9	4·1	257	30	6·0	4·7	263	27	4·9	1·8	087
3·0 ,, .	29	6·0	4·7	066	18	8·8	8·0	079	30	10·4	8·6	247	30	6·7	5·2	268	30	7·7	6·1	243	23	5·7	4·1	114
3·6 ,, .	29	5·5	3·6	080	10	8·0	7·4	074	30	12·1	10·2	243	30	7·9	5·7	268	28	8·9	7·2	247	1	7·0	7·0	360
4·5 ,, .	30	5·4	3·1	087	6	5·7	3·6	089	29	14·5	13·2	243	28	12·0	8·7	269	15	9·6	8·0	255				
5·4 ,, .	30	6·1	2·5	079	3	8·3	4·6	057	25	15·8	14·6	255	24	16·5	13·4	269	1	9·0	9·0	248				
6·0 ,, .	30	6·1	2·7	087	2	4·0	1·1	291	24	18·0	16·5	250	24	17·3	13·7	269								
7·2 ,, .	30	5·9	2·4	089	1	7·0	7·0	315	16	20·6	19·2	260	17	18·5	15·2	269								
9·0 ,, .	30	8·6	0·8	186					6	20·3	18·7	276	8	21·6	20·4	269								

Station	VENGURLA								VERAVAL												VIJAYWADA/ GANNAVARAM			
Time in I.S.T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	3·0	2·7	273	30	0·8	0·5	341	30	3·3	3·0	339	30	8·0	7·4	293	30	4·4	4·2	314	30	1·6	1·1	134
0·15 a. g. .	30	5·0	4·4	287	30	3·7	3·2	336	30	9·8	9·2	336	30	10·0	9·8	291	30	10·1	9·7	317	30	4·6	4·1	177
0·3 a. m. s. l. .	30	5·5	4·8	293	30	4·4	4·0	342	30	10·4	9·4	337	30	9·8	9·4	291	30	10·7	10·0	321	30	5·6	5·3	186
0·6 ,, .	30	4·7	3·7	301	30	5·5	4·8	348	30	9·2	8·2	336	30	7·1	6·2	303	30	9·4	8·7	325	30	6·5	6·3	189
0·9 ,, .	30	4·1	2·5	310	30	5·5	4·7	340	30	7·4	6·0	333	30	5·4	4·5	314	30	7·1	5·9	329	30	5·9	5·4	181
1·5 ,, .	30	3·7	0·6	029	29	4·5	1·9	323	30	5·5	2·5	317	30	4·5	3·0	346	30	5·2	2·9	345	29	4·3	2·9	132
2·1 ,, .	26	4·6	1·4	109	29	5·3	3·4	092	29	6·2	3·4	233	30	5·9	1·8	303	30	6·0	1·2	278	27	5·9	4·4	073
3·0 ,, .	25	7·1	4·8	102	26	8·3	7·8	100	29	7·9	5·4	217	30	8·1	4·5	231	30	8·3	5·2	215	25	8·8	6·2	044
3·6 ,, .	24	7·7	5·8	098	9	7·7	6·9	088					29	8·9	6·4	229	14	9·0	6.7	206	24	9·7	6·4	036
4·5 ,, .	23	7·1	2·8	088									28	10·2	7·7	243	8	11·5	8·1	215	23	7·4	4·3	033
5·4 ,, .	19	7·2	1·2	341									27	11·4	8·8	258	3	11·0	6·1	233	21	6·7	2·5	055
6·0 ,, .	17	7·5	3·0	299									27	13·9	10·8	258	2	10·5	7·5	257	19	6·9	2·0	038
7·2 ,, .	15	10·1	4·3	288									27	17·1	14·0	253					16	7·7	1·3	302
9·0 ,, .	4	13·3	6·3	278									18	24·2	21·0	261					15	11·7	6·8	265

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

Station	VIJAYWADA/GANNAVARAM								VISHAKHAPATNAM															
Time in I.S.T.	1730				2330				0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	4·1	3·5	162	30	1·6	1·3	162	30	2·8	2·5	275	30	4·4	4·0	198	30	3·2	2·7	262	30	3·2	2·8	227
0·15 a. g. .	30	4·9	4·4	162	30	5·9	5·6	171	30	5·5	5·1	284	30	7·5	7·3	206	30	4·7	4·1	253	30	5·8	5·2	235
0·3 a. m. s. l.	30	5·3	4·8	161	30	6·3	6·1	172	30	6·0	5·3	264	30	7·2	7·0	217	30	5·5	5·0	243	30	6·3	5·8	235
0·6 ,, .	30	4·6	4·0	157	30	5·3	5·1	169	30	6·6	6·3	240	30	6·0	5·7	240	30	6·2	5·9	232	30	6·8	6·2	236
0·9 ,, .	30	3·4	2·6	160	30	4·2	3·5	160	30	5·8	5·3	240	30	5·0	4·5	246	30	4·4	3·8	229	29	5·4	5·0	238
1·5 ,, .	30	3·7	2·0	084	30	4·0	2·5	103	30	4·2	1·8	246	29	3·8	1·3	249	30	3·7	3·7	349	24	3·7	1·4	170
2·1 ,, .	30	6·1	4·2	062	30	5·9	3·7	064	30	5·2	1·8	031	26	5·0	1·5	053	30	5·4	3·1	026	16	3·6	1·9	060
3·0 ,, .	28	8·4	5·7	058	30	7·9	4·5	050	30	8·0	4·7	025	27	7·2	4·9	037	30	7·8	4·8	007	15	6·2	5·0	018
3·6 ,, .	24	9·0	6·2	051	25	7·5	4·6	052	30	9·4	5·4	022	27	8·0	6·2	041	29	8·7	5·9	017	7	7·3	5·3	027
4·5 ,,	24	6·9	2·7	046	21	5·4	2·8	027	30	8·6	4·1	360	24	6·9	5·7	037	29	8·1	3·1	003	3	9·0	3·5	346
5·4 ,, .	23	6·0	0·3	340	11	6·1	1·3	320	30	7·6	2·7	321	22	7·1	2·5	034	29	8·6	3·2	303				
6·0 ,, .	22	7·1	0·6	311	10	7·7	3·7	300	30	7·4	3·5	297	21	6·9	1·6	026	29	9·6	3·8	292				
7·2 ,, .	17	7·2	2·6	303	1	5·0	5·0	200	30	10·2	5·5	273	15	7·7	2·5	305	29	10·9	6·0	277				
9·0 ,, .	10	11·9	7·4	317					29	14·8	10·0	272	8	12·0	7·3	287	29	15·6	11·8	275				

TABLE V—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds above 9·0 km. above mean sea level

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

Ht. in Km.	n	V	v	D
	AHMADABAD			
	0530 hr.*			
10·5	23	34·2	30.8	275
12.0	16	35·8	29·3	279
14·1	6	36·3	35·8	286
16.2	1	33.0	33.0	274
18.0	11	11.0	11.0	258
	1130 hr.			
10.5	1	21 0	21.0	263
12·0	1	38·0	38.0	263
	1730 hr.*			
10·5	20	30·3	28·3	278
12.0	17	33.8	29.2	278
14.1	6	38.3	36.7	277
16.2	2	28.5	26.6	298
18.0	1	40.0	40.0	293
	ALLAHABAD/ BAMHRAULI			
	0530 hr.*			
10·5	26	28·5	25·8	267
12·0	24	34·0	30·6	259
14·1	13	32·3	31·2	255
16.2	3	20·3	19·8	257
	1130 hr.			
10·5	2	32·5	32·4	273
	1730 hrs*			
10·5	29	32·5	29·3	270
12·0	27	35·6	31·7	263
14·1	17	34·6	32·4	263
16.2	4	19·5	18·3	271
18·0	1	14.0	14.0	260
21·0	1	55.0	35·0	273
	ANANTAPUR			
	0530 hr.			
10·5	11	7·2	3·8	282
12·0	9	9·8	8·6	289
14·1	6	8·5	7·4	264
16·2	5	6·0	5·0	155
18·0	3	3·0	2·6	176

Ht. in Km.	n	V	v	D
	ASANSOL			
	1730 hr.			
10·5	2	26·0	25·3	279
12·0	2	41·0	41·0	278
14·1	1	12·0	12·0	287
	BANGALORE			
	0530 hr.@			
10·5	23	11·2	4·8	250
12·0	21	12·2	5·0	254
14·1	18	10·8	5·5	272
16·2	13	9·0	1·4	129
18·0	11	9·5	4·2	127
21·0	7	6·9	3·7	102
24·0	3	13·0	12·9	087
	1130 hr.			
10·5	10	8·7	2·3	231
12·0	7	6·4	3·2	252
14·1	6	5·3	0·7	301
16·2	5	6·6	4·5	118
18·0	5	6·6	2·3	067
21·0	1	5.0	5·0	065
	1730 hr.@			
10·5	15	8·7	2·9	207
12·0	15	11·2	6·0	224
14·1	8	10·6	5·2	264
16.2	4	7·0	3·4	265
18·0	3	6·3	3·1	230
21·0	1	5·0	5·0	160
	2330 hr.			
10·5	1	8·0	8·0	260
	BEGAMPET			
	0530 hr.			
10·5	5	15·0	14·2	256
12·0	2	20·5	16·8	242
14·1	1	21·0	21·0	177
	BHOPAL/ BAIRAGARH			
	0530 hr.			
10·5	1	33·0	33·0	285
	BHUBANESHWAR			
	1730 hr.			
10·5	1	8·0	8·0	219

Ht. in Km.	n	V	v	D
	BOMBAY/ SANTACRUZ			
	0530 hr.*			
10.5	29	20·5	16·7	256
12·0	28	20·0	17·5	255
14·1	23	19·2	14·3	267
16·2	12	19·2	15·4	253
18·0	3	12·7	2·3	206
	1130 hr.			
10·5	20	19·9	16 2	277
12·0	17	19·0	16·8	266
14·1	8	17·5	15·4	262
16·2	4	14·0	6·5	267
18·0	1	12 0	12·0	230
	1730 hr.*			
10·5	28	19.3	15·5	260
12·0	28	19·9	17·1	257
14·1	20	20·3	18·4	254
16·2	10	19·2	17·3	245
18·0	4	15·0	11·1	232
21·0	1	4.0	4·0	270
24·0	1	8·0	8·0	305
	CALCUTTA/ DUMDUM			
	0530 hr.*			
10·5	28	24·3	21·6	271
12·0	28	28·4	25·8	269
14·1	25	20·1	19·6	264
16·2	25	15·3	13·6	268
18·0	12	9·4	7·5	261
21·0	2	4·0	3·5	037
	1730 hr.*			
10·5	28	26·1	23·2	273
12·0	27	24·7	22·6	273
14·1	25	22·5	21·1	277
16·2	24	15·0	13·5	275
18·0	13	10·1	4·6	257
	DIBRUGARH/ MOHANBARI			
	1130 hr.			
10·5	4	33·7	0·0	292
12·0	2	44·0	41·9	252

Ht. in Km.	n	V	v	D
	GADAG			
	0530 hr.			
10·5	19	9·3	6·8	248
12·0	18	11·4	9·5	240
14·1	13	11·7	7·8	223
16·2	11	11·5	7·9	166
18·0	10	8·4	5·5	108
21·0	7	10·0	3·7	107
	1730 hr.			
10·5	1	7·0	7·0	255
12·0	1	15·0	15·0	255
14·1	1	15·0	15·0	235
16·2	1	5·0	5·0	210
	GANGTOK			
	0830 hr.			
10·5	2	25·0	20·5	270
12·0	1	20·0	20·0	245
14·1	1	18·0	18·0	230
	GAUHATI			
	0530 hr.*			
10·5	25	24·3	21·8	286
12·0	24	27·6	25·4	282
14·1	20	27·7	26·0	281
16·2	11	21·3	20·7	280
18·0	4	19·3	15·9	302
	1130 hr.			
10·5	4	30·7	27·5	262
12·0	2	21·0	21·0	296
14·1	1	26·0	26·0	290
	1730 hr.*			
10·5	26	25·7	22·7	284
12·0	25	28·3	27·5	282
14·1	21	27·3	26·1	278
16·2	14	21·6	18·4	280
18·0	7	11·9	8·2	272
21.0	1	15·0	15·0	230
	GOPALPUR			
	1730 hr.			
10·5	1	9·0	9·0	270

Ht. in Km.	n	V	v	D
	GWALIOR			
	1130 hr.			
10·5	3	27·0	25·9	254
12·0	1	23·0	23·0	240
	JABALPUR			
	0530 hr.			
10·5	4	25·5	22·7	262
12·0	1	23·0	23·0	236
	1730 hr.			
10·5	3	30·0	29·0	274
12·0	1	40·0	40·0	285
	JAGDALPUR			
	0530 hr.			
10·5	13	17·3	13·4	292
12·0	8	18·3	15·1	305
14·1	7	15·9	12·2	278
16·2	2	12·0	11·7	190
18·0	1	7·0	7·0	184
	1730 hr.			
10·5	6	18·3	16·0	280
12·0	3	19·7	15·5	306
14·1	2	24·5	22·7	293
16·2	2	27·5	27·2	286
18·0	1	17·0	17·0	245
	JHARSUGUDA			
	0530 hr.			
10·5	2	17·0	16·9	248
12·0	1	27·0	27·0	234
	1730			
10·5	1	18·0	18·0	320
12·0	1	33·0	33·0	300
	JODHPUR			
	0530 hr.*			
10·5	17	38·5	36·4	269
12·0	13	42·6	38·6	268
14·1	6	38·0	35·2	250
16·2	1	15·0	15·0	224
18·0	1	32·0	32·0	278
21·0	1	9·0	9·0	231
	1130 hr.			
10·5	8	38·0	35·4	258
12·0	1	55·0	53·0	241

Table V—Monthly Mean Directions and Velocities of Upper Winds

Winds above 9.0 km. above mean sea level

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

Ht. in Km.	n	V	v	D
		1730 hr.*		
10·5	23	34·1	29·6	262
12·0	19	39·3	35·0	270
14·1	9	38·6	37·8	268
16·2	4	26·3	25·3	260
18·0	3	37·0	36·0	250
21·0	1	5·0	5·0	248
24·0	1	9·0	9·0	182
		MADRAS/ MINAMBAKKAM		
		0530 hr.*		
10·5	28	11·0	3·3	256
12·0	28	11·9	7·0	260
14·1	24	9.2	3·2	262
16·2	20	8·7	4·3	110
18·0	9	7·6	0·6	083
21·0	1	5·0	5·0	100
24·0	1	2·0	2·0	190
		1130 hr.		
10·5	5	6·6	4·0	326
12·0	5	8·0	5·9	298
14·1	3	7·0	6·6	237
16·2	2	2·5	2·3	200
18·0	1	1·0	1·0	235
21·0	1	6·0	6·0	080
		1730 hr.*		
10·5	27	11·3	5·0	255
12·0	27	12·4	8·1	245
14·1	24	10·0	4·4	263
16·2	12	10·0	2·1	251
18·0	7	7·0	3·6	290
21·0	3	5·0	2·0	266
		MANGALORE/BAJPE		
		1730 hr.		
10·5	2	9·5	8·9	247
12·0	1	10·0	10·0	265
		MINICOY		
		0530 hr.		
10·5	4	9·5	8·6	246
12·0	1	3·0	3·0	210
14·1	1	12·0	12·0	290

Ht. in Km.	n	V	v	D
		1130 hr.		
10·5	4	7·0	4·9	086
12·0	2	9·5	9·1	124
14·1	1	8·0	8·0	265
		1730 hr.*		
10·5	27	8·3	2·3	191
12·0	27	8·7	2·8	196
14·1	25	10·7	4·0	081
16·2	21	9·6	5·8	101
18·0	11	9·7	1·9	344
21·0	5	8·8	0·8	172
24 0	1	9·0	9·0	255
		NAGPUR/SONEGAON		
		0530 hr.*		
10·5	30	19·7	16·7	285
12·0	30	21·6	18·3	264
14·1	27	21·5	19·1	263
16·2	14	16·7	15·2	266
18·0	6	11·7	4·8	288
21·0	3	7·0	4·7	286
24.0	1	9·0	9·0	324
		1130 hr.		
10·5	11	25·4	20·9	280
12·0	7	23·1	20·6	264
14·1	3	14·7	13·8	228
16·2	1	11·0	11·0	265
		1730 hr.*		
10·5	30	18·9	16·5	268
12·0	30	21·4	17·2	274
14.1	23	23·5	21·3	264
16·2	14	18·6	17·0	267
18·0	7	9·8	9·1	281
21·0	4	12·5	12·1	129
		NEW DELHI/ SAFDARJUNG		
		0530 hr.*		
10·5	30	35·2	31·6	265
12·0	29	37·0	34·2	261
14·1	29	34·7	32·5	261
16·2	26	18·8	17·8	251
18·0	22	10·4	10·1	256
21·0	11	4·9	3·0	053
24·0	3	4·0	2·1	067

Ht in Km.	n	V	v	D
		1130 hr.		
10·5	1	61·0	61·0	260
		1730 hr.*		
10·5	30	36·5	33·0	265
12·0	26	40·2	37·5	270
14·1	20	34·1	31·9	267
16·2	17	19·9	18·3	267
18·0	15	8·7	4·9	262
21·0	9	7·0	1·9	195
24·0	4	5·5	2·2	061
27·0	2	7·0	1·1	082
		POONA		
		1730 hr.		
10·5	4	17·3	15.9	279
12·0	3	16·7	16·2	268
		PORTBLAIR		
		0530 hr.*		
10·5	24	8·8	5·0	243
12·0	24	7·4	4·3	246
14·1	14	9·1	4·6	249
16·2	10	9·7	4·1	143
18·0	3	12·7	9·3	254
21·0	1	9 0	9·0	360
		1130 hr.		
10·5	3	11·7	10·7	252
12·0	3	15·0	8·0	171
14·1	3	16·0	13·7	277
16·2	2	7·5	6·9	326
18·0	1	8·0	8.0	112
21·0	1	8·0	8·0	350
24·0	1	8·0	8·0	060
		1730 hr.*		
10·5	25	8·4	4·0	249
12·0	25	8·9	5·9	259
14·1	17	8·9	4·0	259
16·2	11	10·7	1·4	141
18·0	2	13·0	13·0	097
		RAIPUR		
		0530 hr.		
10·5	8	22·4	17·8	276
12·0	4	20·0	18·9	284
14·1	1	17·0	17·0	285

Ht. in Km.	n	V	v	D
		1730 hr.		
10·5	2	11·0	10·2	285
12.0	1	18·0	18.0	270
		SRINAGAR		
		0530 hr.*		
10·5	17	30·2	27·6	257
12·0	15	37 5	34·7	258
14·1	3	40·0	39·5	289
16·2	1	8·0	8·0	317
		1730 hr.*		
10·5	20	29·7	25·0	260
12·0	18	38·7	36·1	266
14·1	12	35·3	32·9	270
16·2	3	21·7	21·2	251
		TRIVANDRUM		
		0530 hr.*		
10·5	30	9·4	2·5	203
12 0	30	10·2	4·1	312
14·1	24	9·8	1·5	250
16·2	22	10.0	4.7	087
18·0	12	8·7	1·3	232
21·0	7	12·0	3·4	106
24·0	2	14·0	14·0	120
		1130 hr.*		
10·5	4	6·5	3·9	052
12·0	4	8·3	4·7	002
14·1	4	10·3	4·7	334
16·2	1	8·0	8·0	330
18·0	1	9·0	9·0	095
21·0	1	6·0	6·0	340
		1730 hr. *		
10·5	30	8·9	1·8	199
12·0	30	10·5	2·9	237
14·1	27	10·0	1·6	031
16·2	18	8·9	5·3	111
18·0	12	7·0	1·8	295
21·0	6	10·0	9·7	275
24·0	1	2·0	2·0	030
		UDAIPUR		
		0530 hr.		
10·5	2	34·0	30·0	253

Ht. in Km.	n	V	v	D
		1730 hr.		
10·5	2	31.0	28·0	260
		VERAVAL		
		1730 hr.		
10·5	14	24·2	20·7	256
12·0	2	24 0	22·5	240
14.1	1	26.0	26·0	196
		VIJAYWADA/ GANNAVARAM		
		0530 hr.		
10·5	7	16·1	10.2	305
12·0	7	14·6	11·8	282
14·1	2	12·5	11·9	331
		1730 hr.		
10·5	6	17.3	10·7	301
12·0	2	20·0	15·7	235
		VISHAKHAPATNAM		
		0530 hr.*		
10·5	29	17·8	13·4	268
12·0	26	20·0	17·2	277
14·1	8	22·4	17·3	292
16·2	2	10.5	9·3	259
18·0	2	7·0	2.8	130
		1130 hr.*		
10·5	7	14·7	11·8	284
12·0	4	13·7	13·0	274
14·1	1	6·0	6·0	285
16·2	1	7·0	7·0	230
18·0	1	9·0	9·0	220
21·0	1	14·0	14·0	230
		1730 hr.*		
10·5	27	18·3	13·1	280
12·0	24	20·0	14·9	266
14·1	7	25·1	21·4	288

RADIOSONDE DATA

During the month, observations of upper air temperature, pressure and humidity were made at 15 stations in India as given in the t below. For detailed description of the instruments used, a reference may be made to the I. M. D. Scientific Notes Nos. 112 and 113 Volume IX).

List of Radiosonde Stations in India

Serial No.	Name of Station	Type of instrument used	Date of starting	Hours of routine observations in GMT during the month	Remarks
1	Ahmadabad	Fan type	20th July, 1961	00 and 12	Fan type up to 24-2-1963
2	Allahabad/Bamhrauli	Clock type	1st October, 1944	00 and 12	
3	Bangalore	Fan type	10th March, 1961	00 and 12	
4	Bombay/Santa Cruz	Clock type	7th September, 1954	00 and 12	Clock type up to 22-2-1963.
5	Calcutta/Dum Dum	Clock type	13th December, 1946	00 and 12	Fan type used from 3-12-46 to 30-11-47.
6	Gauhati	Clock type	22nd July, 1955	00 and 12	
7	Jodhpur	Clock type	17th April, 1946	00 and 12	
8	Madras/Minambakkam	Fan type	29th June, 1946	00 and 12	
9	Minicoy	Fan type	12th May, 1963	12	
10	Nagpur/Sonegaon	Fan type	1st October, 1946	00 and 12	
11	New Delhi/Safdarjung	Clock type	3rd December, 1943	00 and 12	
12	Port Blair	Fan type	4th December, 1949	00 and 12	
13	Srinagar	Clock type	1st August, 1962	00 and 12	
14	Trivandrum	Fan type	1st July, 1947	00 and 12	
15	Vishakhapatnam	Fan type	8th December, 1946	00 and 12	

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(A) From Ascents at 00 Hours G. M. T.

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

Standard Pressure Surface mb.	AHMADABAD Surf. Pr. (1002 mb.)						ALLAHABAD/BAMHRAULI (996 mb.)						BANGALORE (909 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	30	055	297.9	304	292	284.8	30	098	295.3	300	288	285.8	30	921	294.0	297	291	291.3
1000	30	069	297.9	302	293	284.7	29	059	..	..	..	..	30	091	..	..	..	..
900	30	998	298.1	305	295	278.1	29	983	297.6	304	286	277.3	30	1006	294.1	296	291	290.7
850	30	1496	295·0	301	288	275.1	29	1481	294.4	300	283	274.8	30	1500	293.4	295	291	285.5
800	30	2020	291.3	297	286	274.2	29	2001	290.6	295	279	274.0	30	2021	290.5	293	287	281.5
700	30	3145	282.3	287	278	267.7	29	3124	282.0	288	271	268.7	30	3147	283.2	287	279	274.6
600	30	4400	272.7	277	269	257.0	29	4378	272.5	279	263	261.3	30	4411	275.7	280	271	266.8
500	30	5831	263.6	267	257	..	29	5808	263.1	267	254	..	30	5867	268.0	271	265	..
40	29	7520	252.4	258	243	..	29	7494	252.2	259	246	..	30	7587	257.2	262	253	..
300	28	9592	238.7	246	233	..	29	9565	238.4	247	232	..	30	9695	242.0	248	237	..
250	26	10858	230.9	237	224	..	29	10817	230.5	239	223	..	30	10965	232.8	238	227	..
200	26	12340	221·7	230	212	..	28	12312	222.5	230	213	..	30	12454	222.0	226	214	..
175	21	13202	217.5	226	209	..	24	13205	217.6	227	207	..	29	13317	216.8	221	208	..
150	20	14178	212.2	221	204	..	24	14174	213.4	224	206	..	29	14284	210.7	215	202	..
125	19	15355	206.7	214	197	..	21	15274	209.1	215	202	..	27	15395	205.5	212	198	..
100	17	16629	200.8	210	192	..	18	16613	203·9	210	197	..	27	16715	199.8	207	192	..
80	13	17969	198.8	205	188	..	14	17952	202.2	215	197	..	22	18054	201.9	208	196	..
70	11	18814	200.7	206	197	..	13	18779	204.5	219	197	..	20	18852	204.4	213	196	..
60	7	19645	205.7	208	197	..	10	19738	209.3	221	200	..	18	19809	206.8	215	200	..
50	6	20787	211.1	215	205	..	8	20846	213.9	221	206	..	17	20868	209.9	222	204	..
40	6	22189	218.0	225	213	..	5	22339	217.0	225	212	..	7	22286	214.5	225	208	..
30	..	..	..	..	..	..	..	..	..	..	..	..	6	24071	217.3	229	209	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Standard Pressure Surface mb.	BOMBAY/SANTACRUZ (1007 mb.)						CALCUTTA/DUM DUM (1007 mb.)						GAUHATI (1002 mb.)					
Surface	30	013	297.6	301	295	294.0	30	006	297.9	302	291	296.4	30	049	294.6	299	287	292.0
1000	30	073	298.2	302	296	293.6	30	063	297.9	302	291	295.9	28	066	294.1	298	287	291.3
900	30	1003	297.7	301	294	283.4	30	989	297.0	302	288	285.0	28	978	293.6	299	289	285.4
850	30	1502	295.1	298	290	280.4	30	1487	294.1	298	285	281·4	28	1469	290.6	296	285	283.1
800	30	2026	292.0	295	287	279.3	30	2009	290.0	295	281	278.2	28	1985	287.1	292	282	279.7
700	30	3157	283.7	289	280	274.9	30	3133	281.6	286	275	270.3	28	3097	279.7	287	273	270.9
600	30	4420	274.7	280	272	267.7	30	4390	273.3	278	266	258.7	28	4345	273.2	280	263	265·1
500	30	5867	266.2	269	263	..	29	5829	264.5	270	257	..	27	5783	265.8	272	253	..
400	30	7578	255·2	261	252	..	29	7527	253.9	262	247	..	27	7484	254.1	262	245	..
300	29	9675	240.6	247	234	..	29	9611	239.5	246	233	..	26	9571	240.1	249	231	..
250	29	10938	231.1	240	227	..	29	10868	230 6	239	223	..	26	10834	232.3	243	224	..
200	29	12416	220.2	229	216	..	29	12346	221·3	228	215	.	26	12321	223.3	235	213	..
175	25	13274	214.8	219	211	..	29	13202	215.9	223	210	.	25	13189	219.4	232	208	..
150	24	14232	209.4	216	206	..	29	14165	211.1	220	203	..	23	14178	215.5	231	208	..
125	20	15340	205.1	212	198	..	29	15266	205·0	215	197	.	18	15330	211.0	227	199	..
100	20	16670	202.0	209	194	..	28	16603	199.6	209	191	.	10	16667	204.8	211	195	..
80	13	17945	204.6	215	195	..	22	17903	196.5	210	188	.	7	18005	204·7	209	199	..
70	7	18761	207·0	220	193	..	19	18644	195·9	202	186	..	6	18823	206·0	209	203	..
60	5	19746	213 0	225	204	..	17	19528	200·3	210	192	..	..	..	.	..	..	..
50	5	20897	217 8	231	207	..	15	20626	210.0	219	205	..	..	..	..	..	..	..
40	..	..	..	..	..	..	12	22017	213·5	224	205	.	..	..	..	..	..	..
30	..	..	..	..	..	..	9	23833	219·1	228	215	..	..	..	..	..	..	..
20	..	.	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..
10		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(A) From Ascents at 00 Hours G. M. T.

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

Standard Pressure Surface mb.	JODHPUR Surf. Pr. (983 mb.)						MADRAS/MINAMBAKKAM (1007 mb.)						NAGPUR/SONEGAON (972 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	30	218	295·7	300	289	283.0	30	015	299·0	301	297	297·3	30	311	297·3	303	293	284·9
1000	30	071	..	..	..	..	29	077	299·0	301	296	296·2	30	065	..	..	..	..
900	30	992	296·9	305	292	278·7	29	1000	295·3	298	291	287·1	30	992	300·0	303	294	284·7
850	30	1436	293·4	302	289	276·6	29	1496	293·0	297	286	282·8	30	1494	296·5	301	289	282·5
800	30	2005	289·2	297	285	274·7	29	2018	290·2	293	284	279·7	30	2020	292·5	297	285	280·8
700	30	3122	280·5	286	275	267·9	29	3142	283·0	287	278	273·8	30	3151	283·2	290	276	275·8
600	30	4371	271·6	277	266	..	29	4408	276·0	279	272	263·9	30	4414	273·7	278	269	269·3
500	30	5800	262·1	269	255	..	29	5864	267·5	271	263	..	30	5858	265·9	270	259	..
400	29	7476	250·9	256	245	..	29	7579	256·4	261	253	..	30	7561	255·0	261	251	..
300	29	9532	237·2	245	230	..	29	9682	241·2	246	235	..	30	9652	240·0	245	235	..
250	29	10779	229·6	237	223	..	29	10948	231·7	237	227	..	30	10913	231·8	243	224	..
200	29	12255	222·3	229	213	..	29	12431	220·9	226	217	..	30	12397	222·0	227	215	..
175	27	13114	218·0	227	211	..	26	13270	215·5	221	211	..	30	13258	216·9	221	209	..
150	27	14084	214·1	223	208	..	26	14219	209·4	216	205	..	30	14225	211·9	216	203	..
125	27	15214	209·6	218	205	..	22	15337	204·5	212	199	..	26	15357	206·7	211	201	..
100	27	16570	205·3	213	197	..	18	16669	200·2	207	194	..	23	16681	203·7	213	199	..
80	25	17909	204.3	213	198	..	10	17445	202·8	211	199	..	19	17567	202·9	216	195	..
70	24	18724	206.4	213	199	..	8	18687	206·1	213	203	..	15	18846	206·5	218	197	..
60	22	19659	210·4	217	203	..	..	..	..	..	..	..	13	19824	211·7	223	197	..
50	18	20786	215·4	226	201	..	..	..	..	..	..	..	11	20928	215·8	232	201	..
40	12	22208	220·0	232	205	..	..	..	..	..	..	..	7	22310	217·1	223	202	..
30	10	24100	226·2	241	205	..	..	..	..	..	..	..	..	..	..	..	..	..
20	6	26780	229·2	238	220	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

	NEW DELHI/SAFDARJUNG (984 mb.)						PORTBLAIR (1000 mb.)						SRINAGAR (812 mb.)					
Surface	30	209	294·2	300	285	284·9	30	079	297·8	301	295	296·3	23	1588	280·9	283	277	279·7
1000	30	067	..	..	..	..	30	081	297·2	301	295	295·7	23	1553		..	..	..
900	30	984	296·0	301	285	276·5	30	1003	294·2	297	291	290·0	23	1043	.	..	..	..
850	30	1478	292·4	298	282	273·3	30	1496	291·9	295	289	286·6	23	1515	..	..	..	..
800	30	1995	288·3	294	279	271·6	30	2015	289·0	293	284	283·2	23	2013	78·8	283	273	276·3
700	30	3109	279·9	286	271	265·9	30	3138	283·3	289	279	276·3	23	3095	273·3	278	267	270·9
600	30	4355	271·1	276	262	..	30	4403	275·9	283	272	267·5	23	4316	266·3	270	261	..
500	30	5779	261·4	267	254	..	30	5860	267·8	273	263	..	23	5716	257·7	263	251	..
400	30	7450	249·8	250	242	..	28	7583	256·9	262	253	..	23	7358	246·2	254	239	..
300	30	9499	235·9	245	229	..	24	9683	241·8	247	237	..	23	9383	232·7	241	223	..
250	30	10738	228·1	239	221	..	24	10954	232·5	238	228	..	22	10604	225·4	232	219	..
200	30	12206	220·9	231	213	..	24	12437	220·9	226	215	.	22	12056	219·2	230	214	..
175	30	13065	217·8	226	210	..	18	13294	214·5	221	209	..	22	12911	217·8	227	213	..
150	30	14038	214·1	222	208	..	17	14219	207·9	217	201	..	20	13880	216·9	223	211	..
125	30	15170	209·9	215	202	..	14	15346	202·5	211	197	..	18	15031	215·8	223	209	..
100	28	16535	205·9	213	200	..	14	16660	197·0	205	193	..	15	16449	212·9	221	207	..
80	26	17873	204.6	210	198	..	8	17903	196·2	201	193	..	15	17832	212·7	218	204	..
70	23	18685	205·2	213	196	..	6	18679	198·2	203	195	..	14	18676	213·5	220	203	..
60	18	19607	208·7	216	202	..	..	..	..	..	..	..	11	19690	215·2	222	209	..
50	13	20648	214·9	221	207	..	..	..	..	..	..	..	..	.	..	..	.	..
40	8	22151	219·6	225	213	..	..	..	..	..	..	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(A) From Ascents at 00 Hours G.M.T.

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

Standard Pressure Surface mb.	TRIVANDRUM Surf. Pr. (1001 mb.)						VISHAKHAPATNAM (1004 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	30	064	298·8	300	298	296·4	30	041	299·5	301	296	296·7
1000	30	074	298·6	300	297	295.7	30	075	299.2	301	296	296.3
900	30	999	293·9	297	291	290·1	30	1002	296·6	303	291	286·3
850	30	1493	291·3	293	287	287·2	30	1500	294·7	298	289	283·2
800	30	2010	289·2	292	285	282·2	30	2030	291·2	295	287	280·9
700	30	3134	283.3	287	281	274·2	30	3151	283·0	287	280	275·3
600	30	4404	275·6	281	268	268·3	30	4412	274·3	279	271	266·9
500	30	5858	267·5	271	262	..	30	5859	267·4	278	263	..
400	30	7576	257·1	261	253	..	30	7571	255·9	261	252	..
300	30	9685	242·1	249	235	..	30	9671	241·0	245	236	..
250	30	10953	232·2	240	225	..	30	10935	232·2	237	225	..
200	30	12437	220·3	229	211	..	30	12422	221·9	228	217	..
175	27	13283	214·6	223	209	..	28	13262	216·0	224	206	..
150	25	14247	208·1	216	202	..	26	14232	210·5	221	205	..
125	22	15334	202·6	208	197	..	26	15327	205·3	216	199	..
100	18	16670	200·2	207	197	..	25	16671	201·2	212	193	..
80	14	17992	204·6	213	197	..	22	17971	200·0	211	192	..
70	13	18801	207·8	215	198	..	16	18789	203·1	215	193	..
60	10	19760	211·8	217	203	..	12	19692	204.7	211	197	..
50	10	20901	216.8	227	207	..	10	20772	209·7	218	204	..
40	..	..	..	..	..	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(B) From Ascents at 12 Hours G. M. T.

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

Standard Pressure Surface mb.	AHMADABAD Surf. Pr. (1000 mb.)						ALLAHABAD/BAMHRAULI (994 mb.)						BANGALORE (907 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A			Dew point	No. of obs.	Ht. gpm.	Temperature °A			Dew point	No. of obs.	Ht. gpm.	Temperature °A			Dew point
			Mean	Max.	Min.				Mean	Max.	Min.				Mean	Max.	Min.	
Surface	30	055	311.0	314	307	283.3	30	098	309.0	314	295	284.5	30	921	304.2	307	293	287.9
1000	30	056	309.9	314	306	282·7	30	042	..	..	..	..	30	042	..	..	..	..
900	30	1005	301.9	306	296	277.4	30	987	301.4	306	289	276.9	30	0987	303.1	305	295	287.2
850	30	1508	297.0	300	290	275.3	30	1489	297.0	302	285	273.7	30	1493	298.6	303	296	284.5
800	30	2033	292.4	297	287	274.0	30	2013	292.5	297	284	271.6	30	2020	293.6	297	291	282.3
700	30	3161	283.3	291	277	267.7	30	3142	283.3	290	276	265.2	30	3153	284.4	291	279	277.2
600	29	4418	273.7	277	269	261.3	30	4403	274.3	279	268	253·7	30	4421	276.1	281	271	266.3
500	28	5857	264.6	269	261	..	30	5846	265.0	270	259	..	30	5875	268.0	273	265	..
400	26	7550	252.9	258	249	..	30	7542	253.5	260	248	..	29	7594	257.5	263	254	..
300	24	9621	239.0	245	231	..	30	9621	239.1	245	235	..	29	9705	242.3	251	237	..
250	24	10876	231.0	241	222	..	30	10899	231.1	238	225	..	29	10978	233.6	241	228	..
200	23	12357	222·1	237	211	..	29	12357	222.9	230	214	..	29	12471	222.2	228	217	..
175	19	13247	218.7	228	213	..	27	13231	218.9	228	210	..	28	13329	216.7	222	212	..
150	18	14227	213.7	223	208	..	27	14204	214.7	224	207	..	28	14301	210.8	217	206	..
125	14	15375	207.2	216	203	..	23	15351	209.6	219	202	..	22	15416	205.9	210	202	..
100	13	16714	201·7	209	196	..	20	16702	205.8	213	198	..	18	16748	201.4	211	196	..
80	13	18033	201·7	207	197	..	15	18069	205.1	212	195	..	17	18114	203.6	214	197	..
70	12	18862	205·3	211	199	..	13	18889	205.9	214	195	..	17	18923	206.2	216	199	..
60	10	19801	211·1	215	203	..	9	19696	207.8	223	196	..	15	19885	209·7	221	203	..
50	6	20875	215·1	223	203	..	8	20862	209.9	221	202	..	13	20945	212·9	218	207	..
40	..	..	..	..	..	..	6	22205	210·8	220	203	..	6	22331	217·3	224	210	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..		..	..	.	..	..	..	..	..	..	..	..	..	..	..	:

	BOMBAY/SANTACRUZ (1005 mb.)						CALCUTTA/DUM DUM (1004 mb.)						GAUHATI (999 mb.)					
Surface	30	013	304.1	308	301	294.0	30	06	305.8	314	297	296.4	30	049	301.3	305	294	294.0
1000	29	62	303·6	307	301	293·4	30	041	305·0	314	297	296·2	30	045	299·1	303	293	291·9
900	29	997	300.2	305	296	284.0	30	981	299.9	308	294	288.4	30	969	295.7	301	291	286.6
850	29	1499	297.1	303	291	282.3	30	1483	296.2	307	289	284.2	30	1464	292.3	298	287	283.8
800	29	2026	293.7	300	287	280.2	30	2008	291.9	298	285	280.7	30	1982	288.6	294	283	280.5
700	29	3160	284.8	291	276	276.3	30	3137	283.0	288	277	272.8	30	3097	280.4	286	4	271.6
600	29	4430	276.3	281	271	266.8	29	4399	275.0	282	270	263·3	30	4348	273.1	278	266	261.9
500	29	5886	267.5	271	263	..	29	5847	266.5	274	262	..	29	5791	265.9	273	257	..
400	29	7599	255.6	263	252	..	29	7554	255·0	262	250	..	28	7495	254·0	263	246	..
300	29	9698	241.3	251	235	..	28	9640	240.3	245	233	..	28	9574	239.4	249	232	..
250	29	10966	232.3	241	227	..	28	10901	231.7	236	222	..	28	10829	231.0	239	220	..
200	29	12453	221.6	232	217	..	27	12382	222.8	231	216	..	27	12319	222.5	229	215	..
175	26	13312	215.8	227	208	..	26	13247	217.6	223	210	..	26	13176	218.4	227	210	..
150	25	14276	210·0	218	204	..	26	14213	211.8	219	203	..	24	14155	213.1	220	205	..
125	21	15384	204·9	214	198	..	25	15347	206.2	213	197	..	21	15296	208.8	214	202	..
100	16	16731	201·2	208	196	..	25	16666	200·3	209	192	..	15	16657	203·4	211	193	..
80	13	18058	200.6	214	188	..	19	17968	197·7	205	188	..	8	18009	201.2	206	199	..
70	10	18824	202.5	211	195	..	17	18766	199·1	210	190	..	..	..	..	..	..	..
60	7	19730	206.3	217	198	..	13	19633	204·9	215	193	..	..	..	..	..	..	..
50	5	20756	208.0	215	203	..	8	20734	212·7	219	204	..	..	..	..	..	..	..
40	..	..	..	..	..	..	6	22141	218·1	227	211	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 Hours G. M. T.

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

Standard Pressure Surface mb.	JODHPUR Surf. Pr. (982 mb.)						MADRAS/MINAMBAKKAM (1005 mb.)						MINICOY (1008 mb.)					
	No. of obs.	Ht gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	30	218	308.1	314	304	282.6	30	015	303.4	306	302	297.2	30	002	303.1	301	301	296.2
1000	30	056	..	..	..	..	29	061	302.6	305	301	296·1	30	071	302.1	299	299	295.7
909	30	1000	301.1	308	297	275.9	29	993	297.1	299	299	287.3	30	1000	294.3	291	291	289.2
850	30	1501	296.1	303	291	274.9	29	1491	294.2	297	291	283.3	30	1494	291.7	289	289	286.8
800	30	2024	291.0	298	285	271.6	29	2015	291.1	294	288	280.3	30	2013	289.2	285	285	282.9
700	30	3141	281.4	287	275	265.4	29	3143	283.9	287	281	275.1	30	3138	283.3	281	281	275.7
600	30	4392	271.6	277	267	262.1	29	4411	276.3	281	272	267.7	30	4404	276.2	273	273	269.3
500	30	5819	262.3	266	256	..	29	5867	267.8	273	265	..	30	5858	267.9	264	264	..
400	30	7502	251.7	257	247	..	28	7584	256.5	260	250	..	30	7575	257.4	246	253	..
300	30	9567	237.5	246	231	..	28	9689	241.5	248	234	..	29	9684	242.2	237	239	..
250	30	10816	229.7	239	224	..	27	10954	232.3	239	224	..	29	10987	232.6	225	229	..
200	28	12277	220.4	231	210	..	27	12439	220.9	227	211	..	29	12434	220.7	219	215	..
175	23	13124	216.1	226	205	..	25	13292	215.6	222	208	..	29	13269	213.2	213	204	..
150	21	14107	212.8	222	208	..	25	14265	209.4	217	201	..	27	14239	208.4	213	203	..
125	21	15235	209.2	215	202	..	20	15344	203.3	213	194	..	24	15310	202.0	209	197	..
100	18	16589	204.9	212	194	..	14	16727	199.4	209	195	..	21	16649	196.9	206	193	..
80	17	17945	205.1	211	199	..	8	17994	200.1	206	196	..	13	17923	197.8	208	191	..
70	16	18763	206.6	213	197	..	7	18801	203.5	210	197	..	12	18727	201.4	210	195	..
60	10	19701	209.8	215	194	..	5	19722	208·6	213	205	..	9	19635	204.0	211	201	..
50	9	20822	215.1	221	196	..	..	..	..	..	..	..	7	20727	207.3	213	204	..
40	6	22205	217.3	227	199	..	..	..	..	..		..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Standard Pressure Surface mb.	NAGPUR/SONEGAON (970 mb.)						NEW DELHI/SAFDARJUNG (983 mb.)						PORT BLAIR (999 mb.)					
Surface	30	311	310.3	315	301	285.0	30	209	304.0	310	291	284.9	30	079	300.8	304	292	296.3
1000	30	032	..	..	..	..	30	054	..	..	..	..	30	071	300.8	302	298	..
900	30	987	303.8	309	299	285.7	30	987	298.3	305	291	277.9	30	996	294.4	299	291	295.8
850	30	1495	299.1	305	294	283.8	30	1484	294.4	300	285	274.8	30	1490	291.6	296	287	292·2
800	30	2025	294.0	299	289	282.0	30	2003	289.7	295	280	273.1	30	2008	288.7	293	285	288.3
700	30	3161	283·9	289	277	276.5	30	3119	280·5	285	271	266.2	30	3130	282.9	289	279	285.2
600	30	4425	273.7	277	268	270.4	30	4367	271.9	276	264	258.7	29	4399	276.1	283	272	277.7
500	30	5867	264.7	269	255	..	30	5795	262.3	266	255	..	27	5854	268.0	272	263	270.3
400	30	7566	253.9	259	248	..	30	7475	250.9	256	243	..	25	7576	256.7	261	252	..
300	30	9645	239.2	245	234	..	30	9534	237·3	246	230	..	25	9683	242.7	249	236	..
250	30	10899	231.3	238	227	..	30	10781	229.4	240	223	..	25	10956	233.3	239	226	..
200	30	12383	220.9	229	214	..	30	12257	221.8	232	213	..	25	12443	222.0	229	213	..
175	28	13237	216.2	221	211	..	29	13126	218.8	226	211	..	20	13309	217.1	225	209	..
150	27	14200	210.9	215	205	..	26	14103	215·8	224	209	..	20	14276	211.5	220	205	..
125	23	15340	205.7	213	201	..	25	15249	211.5	221	205	..	16	15406	204.6	213	198	..
100	20	16664	202.1	209	198	..	23	16620	207.5	216	199	..	13	16757	198.6	206	191	..
80	16	17981	201.3	205	197	..	19	17998	207.2	213	203	..	7	18008	196.1	202	192	..
70	11	18807	203.7	211	198	..	19	18806	207.6	215	202	..	5	18863	198.8	202	195	..
60	10	19741	208.2	216	202	..	19	19223	209.3	214	209	..	..	..	..	..	..	..
50	9	20820	212.3	217	205	..	15	20908	213.9	221	202	..	..	..	..	..	..	..
40	5	22224	218.6	221	216	..	12	22301	218.6	225	208	..	..	..	..	..	..	..
30	..	..	..	..	..	..	7	24193	224·9	229	221	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 Hours G. M. T.

April, 1965 (Chaitra 11—Vaisakha 10, 1887 Saka)

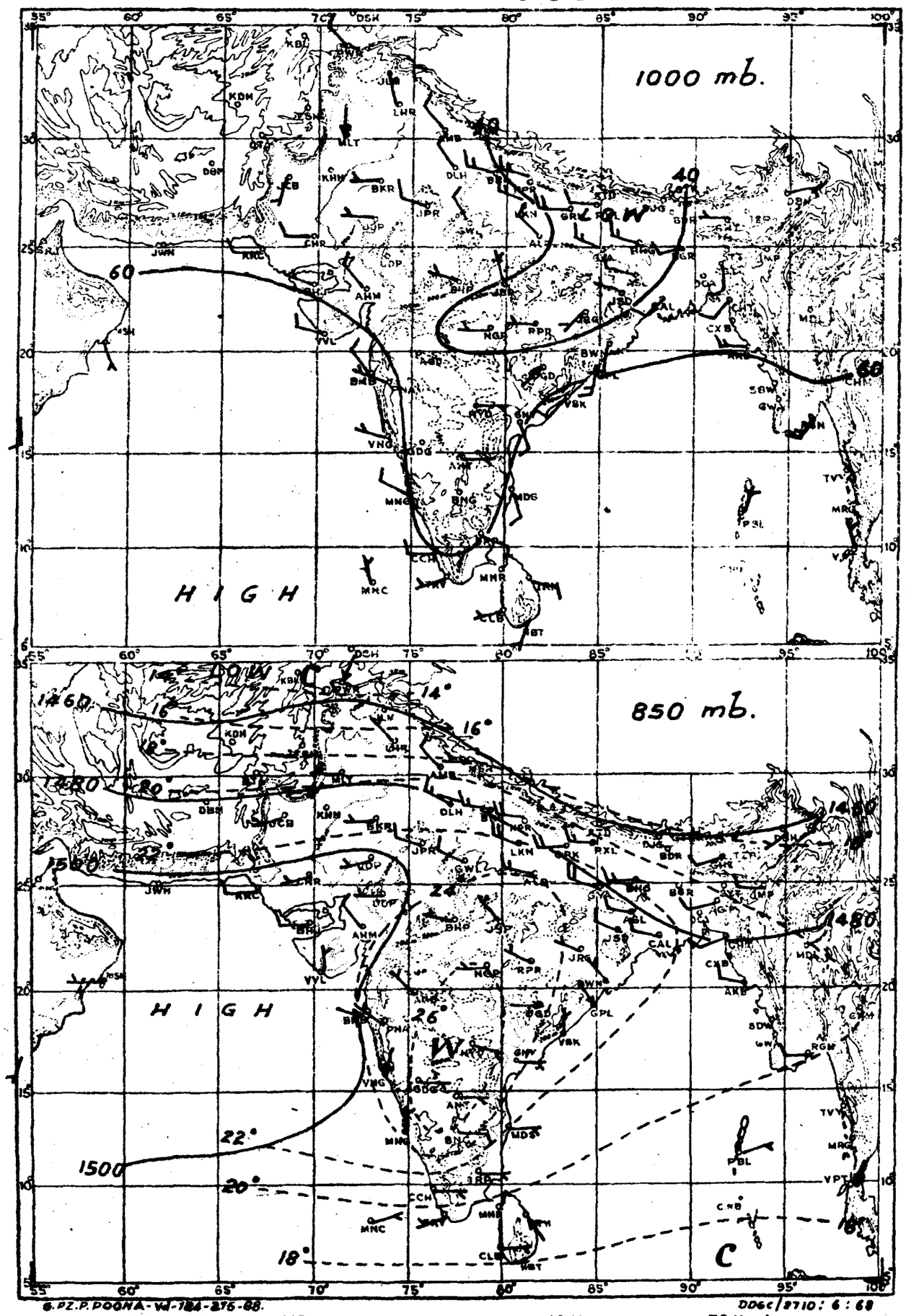
Standard Pressure Surface mbs.	SRINAGAR Surf. Pr. (841 mb.)						TRIVANDRUM (1000 mb.)						VISHAKHAPATNAM (1002 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	24	1588	287·7	295	282	280·7	30	064	302·7	305	298	297·0	30	041	302·3	304	297	297.8
1000	24	106	..	..	..	..	30	064	302·1	304	299	296·2	30	061	301·9	304	297	297·3
900	24	1015	..	..	..	..	30	994	295·1	297	291	290·6	30	992	298.2	303	292	283.7
850	24	1500	..	..	..	..	30	1489	292·1	297	288	288·4	30	1492	295·8	300	291	283.4
800	24	2009	283·7	292	275	276·7	30	2009	289·4	293	286	284·8	30	2016	292.2	297	287	282.1
700	24	3104	276·0	282	269	269.5	30	3136	283·8	287	281	275·5	30	3141	283.5	289	277	277.8
600	24	4333	267·7	273	263	..	30	4405	276·7	280	271	268·5	30	4412	275.3	280	272	267.4
500	24	5739	258·4	262	255	..	30	5865	268·5	274	265	..	30	5862	267.3	271	263	..
400	24	7393	247·0	252	242	..	30	7588	257·9	263	253	..	30	7577	256.3	260	252	..
300	23	9411	232·9	239	227	..	30	9703	242·8	249	239	..	30	9679	241.5	248	235	..
250	23	10634	225.6	233	219	..	30	10975	232·9	238	228	..	30	10946	232.4	238	227	..
200	23	12087	219.6	226	211	..	30	12460	220·6	228	213	..	30	12431	221.4	226	215	..
175	22	12948	218.6	225	204	..	27	13285	214·1	220	209	..	26	13277	216.0	220	208	..
150	20	13927	218.1	224	209	..	27	14258	207·3	214	199	..	26	14245	210.5	217	205	..
125	19	15082	217.6	226	211	..	22	15333	201·4	208	195	..	23	15339	204.9	211	198	..
100	17	16485	214.0	225	206	..	17	16661	198.5	202	195	..	21	16	199.5	206	193	..
80	12	17860	211.8	218	205	..	9	17962	201·9	205	192	..	16	17984	200.8	208	194	..
70	12	18698	213.2	223	208	..	8	18740	205·3	208	202	..	12	18791	203.0	209	196	..
60	10	19665	214.0	221	208	..	7	19734	209·6	215	207	..	8	19756	206.9	218	199	..
50	9	20823	217.2	223	209	..	7	20863	213·6	223	210	..	5	20857	212.6	218	205	..
40	5	22229	218·0	223	209	..												
30																		
20																		
10																		

Note : Number of observations refer to those of dynamic height.
Means are not worked out for temperature and dew point for the 1000 mb. Surface and for dew point for standard pressure surfaces with temperature less than 273°A.
Means are not worked out for less than five observations at standard pressure surfaces.

GIPN—S2—7 D.D.G. Obs. P/68—19-7-69—260

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I.Met.D. **APRIL 1965** Plate I



G.PZ.P. POONA-Vd-184-276-68. DDGC/2710: 6: 68

RESULTANT WIND —— 5 Knots, —— 10 Knots, —— 50 Knots.

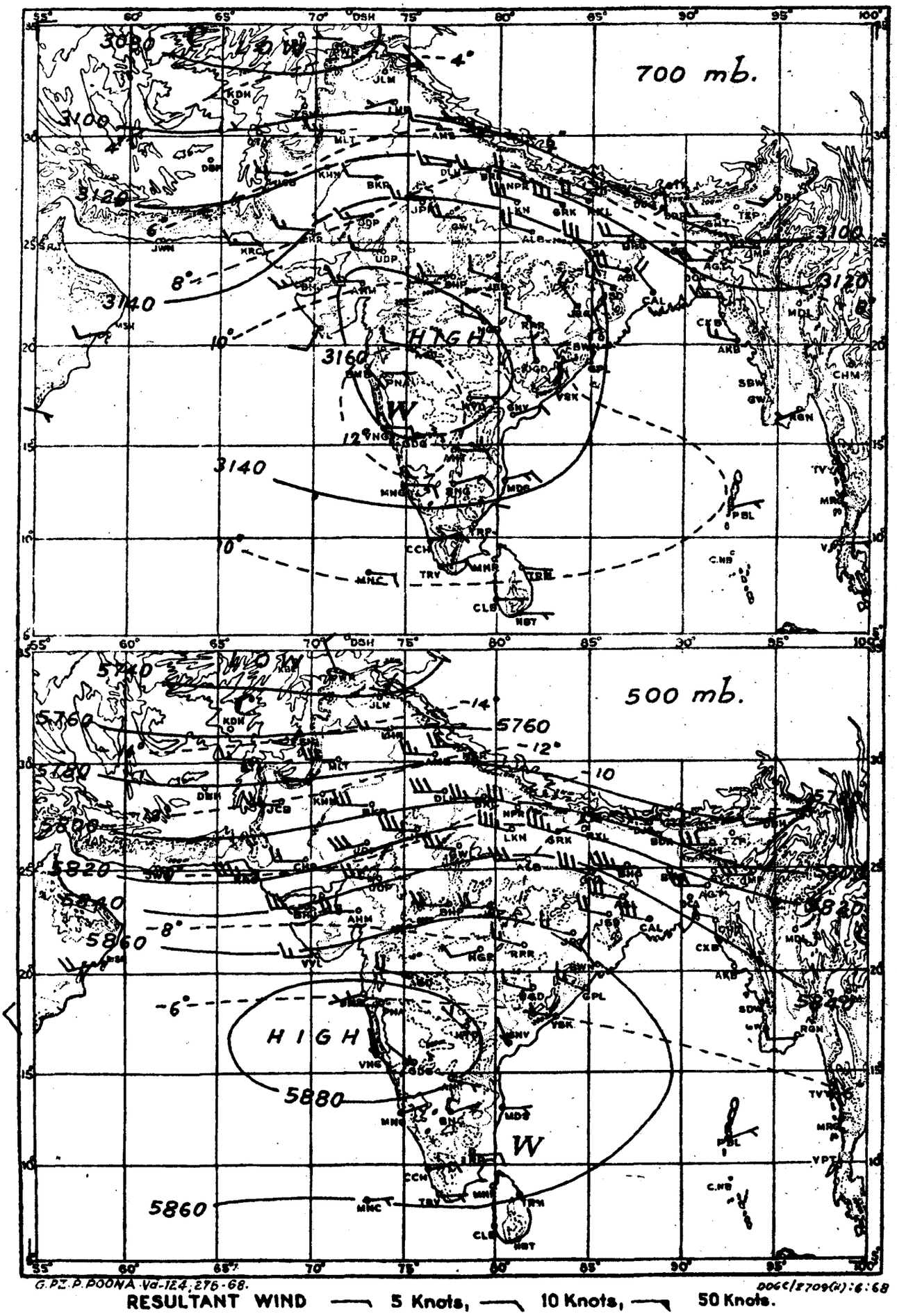
---------- Isotherms in degrees centigrade ———— Contours in geopotential metres.

G.PZ.P. POONA, 196

MONTHLY MEAN CONSTANT PRESSURE CHARTS

APRIL 1965

I.Met.D. Plate II



G.P.Z.P. POONA Vd-124, 276-68.

DOGC/2709(H):6:68

RESULTANT WIND —— 5 Knots, —— 10 Knots, —— 50 Knots.

---------- Isotherms in degrees centigrade ———— Contours in geopotential metres.

G.P.Z.P. POONA, 1965

Registered No. MH-75

INDIA WEATHER REVIEW, 1965

Monthly Weather Report

MAY

Published by authority of the Government of India

Chief features :—

(i) Movement of five western disturbances across northwest India causing spells of good precipitation there;

(ii) Formation and movement of two severe cyclonic storms in the Bay of Bengal;

(iii) Sub-normal thundershower activity in northeast India; and

(iv) Advance of the southwest monsoon into south Kerala, the south Bay of Bengal and the Andaman Sea during the last week.

Five western disturbances moving across northwest India caused spells of good precipitation there. The first two disturbances affected northwest India towards the end of the first week and early second week when the Western Himalayas received good precipitation. The third disturbance like the second one was feeble and caused only a few light showers over the extreme north of the country towards the end of the second week. The next disturbance moved very slowly from West Pakistan to the Punjab and continuing its eastwards movement became unimportant over Uttar Pradesh. The last disturbance was quite active and caused a spell of good thundershowers over northwest India with heavy rains in the Western Himalayas. Banihal recorded 10 cm. of rain, Quazigund 9 cm. and Srinagar, Dalhousie, Dharmsala and Najibabad 5 cm. each on 23rd and Simla 5 cm. on 24th. According to press reports, the water level in the Jhelum near Srinagar rose upto the danger point due to the heavy precipitation and air and road traffic were also affected. The details of the movement and activity of the various western disturbances are given in the accompanying statement.

The trough of low lying over the east central Arabian Sea off the south Maharashtra and Mysore coasts at the end of April became unimportant by 2nd May. In association with it the thundershower activity over the western parts of the Peninsula spread to the central parts of the country and adjoining areas of Rajasthan and Gujarat State at the beginning of the month. Punalur recorded 6 cm. of rain on 1st and 7 cm. on 2nd and Kolhapur 5 cm. on 1st.

A low pressure area moving from the east lay over the extreme southeast Bay of Bengal on 4th May. Moving westwards, it persisted over the southeast Bay from 6th to 8th and became well marked. Later it moved northnortheastwards and intensified into a depression by the evening of 9th with centre near Lat. 13.5°N and Long. 85·5°E. Continuing its northnortheastward movement it further intensified into a cyclonic storm by the morning of 10th with centre near Lat. 16.0°N and Long. 86.5°E. and into a severe cyclonic storm with a core of hurricane winds by the evening of 11th with centre near Lat. 21.0°N and Long 89.0°E. It crossed the East Pakistan-West Bengal coast near Long. 90°E during the night of 11th - 12th. Later it moved northeastwards and rapidly weakened. It finally broke up over the Eastern Himalayas by 13th. Under its influence, there was good thundershower activity in the Bay Islands and over the extreme south Peninsula. Some of the heavy rainfalls recorded were : Fort Cochin 9 cm. on 6th, Car Nicobar and Minicoy 7 cm. each on 7th and Nancowry 10 cm. on 12th. Northeast India also received a few heavy showers during the second week, some of the noteworthy amounts being Pasighat 17 cm. and Haflong 15 cm. on 6th and Rangiya 11 cm. on 9th.

An upper air trough developed over the Madras State and adjoining Andhra Pradesh on 13th. It moved westwards into the east central Arabian Sea off the Mysore coast by 15th. Later it shifted northwards and extended into the central parts of Madhya Pradesh. It became less marked by 19th. In association with it, a few thundershowers occurred over the Peninsula, the activity being more marked over the western parts. Alleppey recorded a heavy fall of 18 cm. of rain on 19th and Minicoy 8 cm. on 21st.

"Copyright © 1964 by Manager of Publications, Government of India, Delhi-8"

1—8 D. D.G. Obs. P./68

A well marked low pressure area developed over the central parts of the Bay of Bengal on 24th and intensified into a depression by the morning of 26th with centre near Lat. 15.0°N and Long. 89.0°E. Moving very slowly northnortheastwards, it intensified progressivly into a deep depression by 27th morning, centred near Lat. 15.5°N and Long. 89.5°E, and into a cyclonic storm by 30th morning centred near Lat. 17.5°N and Long. 90.5°E. Thereafter, it moved in a northerly direction and further intensified into a severe cyclonic storm by the evening of 31st, with centre near Lat. 20.5°N and Long. 91.0°E. Under its influence, the southwest monsoon advanced into the extreme southeast Bay of Bengal and south Andaman Sea and extended northwards into the east central Bay. The Arabian Sea branch of the monsoon also advanced into south Kerala on 26th. The northern limit of the monsoon was passing through Calicut, Nagapattinam and Akyab on the last day of the month. Fort Cochin recorded a heavy fall of 23 cm. of rain and Calicut 10 cm. and Alleppey and Punalur 9 cm. each on 25th.

Day temperatures were below normal over most parts of the country during the period 5th to 8th and continued to be so over northwest India and in parts of the Peninsula till 11th, being appreciably to markedly so in northeast India. They were again below normal over northwest India, Uttar Pradesh and the central parts of the country from 20th to 26th, the temperatures being markedly below normal over northwest India on 22nd and 23rd. They were above normal in Uttar Pradesh from 11th to 19th and over the entire country outside the extreme northern parts and the southeastern parts of the Peninsula on 15th and 16th. They were above normal over northeast India, Uttar Pradesh, central parts of the country and north Peninsula from 27th till the end of the month.

The total rainfall for the month was in large excess in the Punjab and Jammu and Kashmir in slight excess in Kerala and the Arabian Sea Islands and normal in north Assam and west Uttar Pradesh. It was in slight defect in the Bay Islands and Sub-Himalayan West Bengal, in moderate defect in south Assam, Orissa, east Madhya Pradesh, Madhya Maharashtra, Telangana, the Madras State and Interior-Mysore and in large defect over the rest of the country.

The mean maximum temperature was above normal in Bihar Plains and below normal in the Punjab, Jammu and Kashmir and east Rajasthan. It was normal over the rest of the country. The mean minimum temperature was below normal in Orissa, west Uttar Pradesh, the Punjab, Jammu and Kashmir and west Rajasthan. It was normal over the rest of the country.

The mean relative humidity in the morning was above normal in the Punjab, Jammu and Kashmir and below normal in east Uttar Pradesh, east Rajasthan, Marathwada and Vidarbha. It was normal over the rest of the country.

The mean cloud amount in the morning was above normal in the Punjab, east Rajasthan, Madhya Pradesh, Vidarbha, coastal Andhra Pradesh, Madras State and the Arabian Sea Islands and below normal in Gangetic West Bengal, Bihar Plains, West Rajasthan, Gujarat Region and the Konkan. It was normal over the rest of the country.

Table I contains the divisional and sub-divisional means of rainfall, temperature, humidity and cloud amount for the 15 chief political divisions and the 32 sub-divisions. The stations whose observations are used for preparing these means are given in the subsequent tables.

The highest maximum temperature given for any station in the accompanying tables is that recorded within the 24 hours ending at 08.30 hrs. I.S.T. of the date noted in the succeeding column; similarly the heaviest rainfall in 24 hours for any station denotes the amount recorded during the 24 hours ending at 08.30 hrs. I.S.T. of the date given in the succeeding column.

POONA 5, R. ANANTHAKRISHNAN,

Dated the 24th November, 1965. for *Director General of Observatories*.

NOTE :—Description in respect of Himachal Pradesh is not included for want of normals.

STATEMENT SHOWING THE MOVEMENT AND ACTIVITY OF WESTERN DISTURBANCES DURING MAY 1965

S. No.	Period	Course	Regions affected	Nature and precipitation	Period	Remarks
1	6th— 8th	The Punjab and adjoining West Pakistan -Western Himalayas	Jammu and Kashmir	Fairly widespread rain	6th, 7th and 8th	
			The Punjab	Scattered/local rain	6th, 7th and 8th	
			Himachal Pradesh	Fairly widespread rain	7th	
			West Rajastan	Scattered rain	7th	
			West Uttar Pradesh	Scattered rain	6th, 7th and 8th	
2	9th—11th	Northern divisions of West Pakistan-Jammu and Kashmir	Jammu and Kashmir	Local/scattered rain	9th and 10th	Feeble
			The Punjab	Scattered rain	9th, 10th and 11th	
3	13th—14th	Northwest Rajashtan and adjoining West Pakistan-Western Himalayas	Jammu and Kashmir	Local rain	13th	Feeble
			The Punjab	Scattered rain	14th	
4	15th—22nd	West Pakistan-The Punjab-Uttar Pradesh	Jammu and Kashmir	Scattered rain	18th	Slow movement till 19th
			West Rajasthan	Scattered rain	19th and 20th	
			East Rajasthan	Scattered/local rain	20th, 21st and 22nd	
			Himachal Pradesh	Local rain	19th	
			The Punjab	Scattered rain	18th	
			West Uttar Pradesh	Scattered rain	19th, 20th and 21st	
			East Uttar Pradesh	Scattered rain	22nd	
5	21st —25th	West Pakistan-The Punjab-Western Himalayas	Jammu and Kashmir	Scattered/fairly widespread rain	21st, 22nd, 23rd, 24th and 25th	Active. Banihal 10 cm. and Quazigund 9 cm. on 23rd
			Himachal Pradesh	Fairly widespread/local rain	21st, 22nd, 23rd and 24th	
			The Punjab	Fairly widespread/scattered rain	20th, 21st, 22nd, 23rd and 24th	
			West Uttar Pradesh	Local/scattered rain	22nd, 23rd, 24th and 25th	

	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative humidity % 0830 hrs. IST.	Relative humidity % 1730 hrs. IST.	Cloud 0830 hrs. IST.	Cloud 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
Division								
1. Assam (Including NEFA, Nagaland Manipur & Tripura).	260.9 −49.7	84	30.8 +0.4	22.0 −0.1	80 +1	71	5.7 +0.1	4.3
2. West Bengal	90.2 −69.8	56	36.4 +0.9	25.6 +0.3	70 −1	57	3.2 −0.7	3.4
3. Orissa	43·5 −28.4	61	37.1 +0.1	25.2 −1.1	66 −1	55	3 3 −0.1	4.7
4. Bihar	10·1 −43·5	19	39.5 +1.6	24.9 −0·1	52 −4	32	1.9 −0.5	2.6
5. Uttar Pradesh	9·1 −7·7	54	40.6 +0.4	24.2 −1.3	37 −4	22	1.2 0	1.7
6. Punjab (India) (Including Delhi.)* Himachal Pradesh	41.9 +28.7	317	37.4 −2.4	22.0 −2.0	41 +8	28	1 9 +0 5	2.5
7. Jammu and Kashmir.	57.0 +19.3	151	28.4 −2.9	10.7 −2·3	57 +7	39	2.7 0	3.1
Sub-Division								
1. Bay Islands	322.6 −61.7	84	31.3 +0.9	23.5 −0.4	76 −2	83	6.5 +0.9	6.9
2. North Assam (including NEFA)	292.0 −14 6	95	30.5 +0.3	22.3 +0.2	83 +2	73	5.9 +0.2	4.2
3. South Assam (Including Nagaland & Manipur, Tripura).	198·7 −119·8	62	31.7 +0.5	21.2 −0.9	74 −3	66	5.3 −0.1	4.3
4. Sub-Himalyan, West Bengal.	221·2 −52.9	81	33.6 +0.5	23.8 +0.6	74 −1	61	4.1 0	3.0
5. Gangetic, West Bengal.	42·6 −75·9	36	37·3 +1.0	26.3 +0.2	69 −1	57	3.0 −0 9	3.5
6. Orissa	43·5 −28.4	61	37.1 +0.1	25.2 −1.1	66 −1	55	3.3 −0.1	4.7
7. Bihar Plateau	22.5 −37 3	38	39.3 +0.7	25.5 +0.2	47 −5	29	2.2 −0.2	3.5
8. Bihar Plains	2·6 −47·2	5	39.6 +2.4	24.5 −0.4	56 −3	35	1.7 −0·8	1.8
9. Uttar Pradesh, East.	3·4 −13·8	20	41.6 +1.0	25.1 −0·8	37 −6	21	1.3 0	1.3
10. Uttar Pradesh, West.	17·0 +0·7	104	39.1 −0.6	23.0 −1.9	36 −1	22	1.2 −0.1	2.4
11. Punjab (India) Including Delhi).	41.9 +28.7	317	37.4 −2·4	22.0 −2.0	41 +8	28	1.9 +0 5	2.5
12. Himachal Pradesh.	96.3 ..	..	33.6 ..	19·0 ..	55 ..	36	1.9 ..	3.7
13. Jammu and Kashmir.	57.0 +19.3	151	28·4 −2.9	10.7 −2.3	57 +7	39	2.7 0	3.1
14. Rajasthan, West	4·2 −7.7	35	40.3 −1.0	24·7 −1.6	47 +5	24	0.7 −0.2	1.5
15. Rajasthan, East	3·2 −11·3	22	39.5 −1.1	26.2 −0.5	32 −7	17	1.3 +0.5	2.9
16. Madhya Pradesh West.	3·9 −8·1	33	40.1 −0·7	25.2 −0·8	32 −4	19	2.1 +0.7	3.4

	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative humidity % 0830 hrs. IST.	Relative humidity % 1730 hrs. IST.	Cloud 0830 hrs. IST.	Cloud 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
Division—*contd.*								
8. Rajasthan	3.7 −9.5	28	39.9 −1.1	25.5 −1.0	38 −2	20	1.1 +0.2	2.3
9. Madhya Pradesh	8.2 −7.7	52	40.2 −0·5	25.4 −0.7	34 −2	20	2·4 +0.7	3.8
10. Gujarat State. (including Diu, Daman, Dadra & Nagar Haveli)	0.9 −5·3	15	37.6 −0.1	25.2 −0.7	70 0	48	1·8 −0.2	1.0
11. Maharashtra State. (including Goa)	7.7 −19·5	28	38 0 −0 2	25.4 −0.5	50 −5	33	2.6 −0.1	3.4
12. Andhra Pradesh	14.5 −23.7	38	39.3 −0.1	26.8 −0.8	58 −1	39	4.0 +0·4	4.3
13. Madras State (including Pondicherry)	30.8 −24.6	56	36.3 −0.2	26.1 −0.2	67 0	56	5.0 +1·5	5.5
14 Mysore	42.9 −38.3	53	35.4 +0.3	23.5 +0.2	68 −1	43	3.7 0	5.1
15. Kerala	337.9 +55.6	120	31.3 −0.5	24.9 −0.7	83 +2	77	6.2 +0.7	6.5
Sub-Division—*Contd.*								
17. Madhya Pradesh East	13·7 −7.1	66	40.5 −0·2	25.5 −0 6	36 +1	23	2.8 +0 6	4.4
18. Gujarat Region (including Daman, Dadra & Nagar Haveli)	0·5 −8·9	5	39.4 −0.2	25.7 −0·5	61 −5	31	1.6 −0.4	0.7
19. Saurashtra and Kutch. (including Diu)	1·2 −3.3	27	36.5 −0·1	24.9 −0.9	75 +3	58	1.9 −0.1	1.2
20. Konkan (including Goa)	0·1 −34.1	0	32.2 0	26.0 −0.4	76 +1	69	3.1 −0.9	2.2
21. Madhya Maharashtra.	21·6 −12·9	63	39.0 0	23.1 −0.6	51 −5	27	2 2 0	3.5
20. Marathwada	3.2 −16.5	16	40.3 −0.4	25.4 −0.1	29 −15	13	1.7 −0 4	3.9
23. Vidarbha	0·9 −13·1	6	41.3 −0.5	27.4 −0.5	32 −7	17	2.9 +0.5	4.0
24. Coastal Andhra Pradesh.	14.5 −30·4	32	37.8 −0.4	26.8 −0.9	68 +1	57	4.8 +0.8	4.5
25. Telangana	16.6 −10.4	61	41.1 +0.3	26.6 −1·1	46 −4	22	3.0 −0.1	3.8
26. Rayalaseema	11.0 −30.0	27	39.9 +0·1	27.0 −0.1	56 −1	28	3.5 +0 2	4.7
27. Madras State (including Pondicherry)	30·8 −24.6	56	36.3 −0.2	26.1 −0.2	67 0	56	5.0 +1.5	5·5
28. Coastal Mysore	39.4 −83.3	32	32.4 +0.2	26.1 0	75 −2	71	4 6 −0.5	4.3
29. Interior Mysore, North.	25.1 −11.7	68	38.4 +0.1	24.4 +0.4	56 −5	31	2.8 +0.2	4.8
30. Interior Mysore, South.	59·8 −41.7	59	34.1 +0·6	21.7 +0.1	75 +1	41	4.1 −0.1	5.8
31. Kerala	337.9 +55.6	120	31.3 −0.5	24.9 −0.7	83 +2	77	6.2 +0.7	6.5
32. Arabian Sea Islands.	181.1 +35.7	125	31.7 −0.4	25.7 −1.0	76 +1	73	5.4 +0.9	5·7

NOTE.—The entries in the second line for each division and sub-division indicate departures from normal.

*Data of Himachal Pradesh not included.

Sub-Division and station	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2·5 mm. or more): Total in the month	Departure from normal	Wind speed, kms. per hour: Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1	Weather phenomena—No. of days with: Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Linesquall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28	29
Bay Islands																													
Maya Bandar	31·3	..	33·8	4	24.7	..	22.7	30	221·8	320·2	..	64.2	28	15	..	10·6	7·8	..	0	21	0	0	2	0	0	0	0	0	0
Long Island	31·7	..	37·1	2	22.9	..	20.7	29	122.2	196·6	..	31·8	29	15	..	7·7	5.8	..	0	19	0	0	0	0	0	0	0	0	0
Port Blair	31·3	+0·9	34·7	4	23.5	—0·4	21.3	29	184.2	322·6	−61·7	70·0	29	20	+3·7	16.5	13.1	−0.7	0	22	0	0	17	1	0	0	0	8	0
Car Nicobar	30·9	..	32·7	2	24.2	..	21·6	17	123.0	387·7	..	73·0	7	17	..	6.3	4.8	..	0	21	0	0	6	0	0	0	0	0	0
Nancowry	39 4	..	33·2	3	25.0	..	23·0	7	104·9	424.1	..	98·8	12	20	..	8·2	6.7	..	0	23	0	0	7	0	0	0	0	0	0
Kondul	..	..	..	..	..	..	..	..	189·2	424·5	..	49·0	5	20	..	..	..	..	0	21	0	0	3	0	0	0	0	0	0
Assam (Including North NEFA)																													
Passighat	29·6	..	35.8	29	20·3	..	17·5	5,6	117·9	306 9	..	58·2	22	14	..	6.6	7·7	..	0	18	0	0	6	0	0	0	0	0	0
Dibrugarh (Mohanbari)	29·5	+0.3	36.0	30	21·5	0	17.7	4	41·7	142·9	−164.2	25·4	21	13	—2.6	6·6	4·5	—0·5	2	17	0	0	13	0	0	0	0	0	0
Digboi	29·9	..	34·7	31	18·8	..	16·0	5	36·4	158·4	..	47·8	4	13	..	..	..	..	0	15	0	0	0	0	0	0	0	0	0
North Lakhimpur	29·7	+1.1	36·0	30	21.1	—0·6	18.6	4	67.4	284·0	247·3	70·6	21	13	—6.4	6·9	4·5	..	2	19	0	0	6	0	0	0	0	0	0
Sibsagar	30.1	+0·5	36·4	29, 30	22·9	—0·8	19.4	6	41·0	345.1	+38·8	61.0	9	17	+1·4	2.3	2·4	−1·5	0	23	0	0	10	0	0	0	0	0	0
Gohpur	29·8	..	35.8	30	19·8	..	15.3	5	72.1	325.0	..	51.2	9	17	..	6·1	4.6	..	0	22	0	0	0	0	0	0	0	0	0
Majbat	30.0	..	35.5	30	..	..	..	..	38·3	350·7	..	44·2	13	17	..	7·6	5·4	..	0	21	0	0	0	0	0	0	0	0	0
Jorhat (Aerodrome)	30·1	..	35·7	28, 29	22.5	..	16.4	6	67·8	329.2	..	56.9	21	16	..	..	..	..	0	21	0	0	14	1	0	0	0	0	0
Tangla	30·6	..	35·9	31	..	..	..	..	68·4	341·5	..	64.2	13	19	..	(a) 4·8	3·4	..	0	19	0	0	0	0	0	0	0	0	0
Tezpur	30.2	−0·2	35·7	28	22·7	+0·3	19·2	5	117·3	316·9	+46·4	59.6	13	18	+2·7	7·5	6·3	+1·8	0	20	0	0	0	0	0	0	0	0	0
Golaghat	30.2	..	36.1	28	22.3	..	18.6	7	71.8	329.6	..	102.2	20	17	..	..	..	..	0	18	0	0	0	0	0	0	0	0	0
Rangia	30·4	..	37·4	29	22·1	..	18·4	5	36·7	320·3	..	35·2	13	16	..	7·3	6·9	..	0	19	0	0	4	0	0	0	0	0	0
Chaparmukh	31·5	..	37·5	28	23·0	..	18·8	6	40·0	(a) 254·0	..	..	..	..	..	(a) 6·4	(a) 5·1	..	..	..	0	0	2	0	0	0	0	0	0
Goalpara	30·2	..	36·1	31	19·4	..	17·3	6	74·6	669.0	..	100.0	19	20	..	(a) 8·2	(c) 5.8	..	0	21	0	0	0	0	0	0	0	0	0
Gauhati	30·5	−0·4	35·2	5	21·1	—1·3	15·6	4,8,9	..	349·0	+113·0	64·0	4,12	17	+3·5	..	..	..	0	20	0	0	0	0	0	0	0	0	0
Gauhati (Bhorjor)	30·5	—0·4	35·7	30	22·6	+0.2	19·0	4	59·1	317·9	+81·9	49.5	13	17	+3·5	8.5	6.6	..	2	21	0	2	19	1	0	0	0	0	0
Dhubri (Rupsi)	31.0	..	34·7	30	22·2	..	19.1	5	12·5	482·9	..	86·0	20	17	..	10.1	10·3	..	0	21	0	1	20	0	0	0	0	0	0
Dhubri	30·5	+0.6	35.5	31	24·5	+1·7	21·5	24	21·0	499·0	+97·9	115·8	21	19	+3·5	(a) 14·0	15·0	+5·8	0	20	0	0	16	0	0	0	0	0	0
Lumding	33·2	+1·1	38·2	28	22·2	+0.3	19·1	6	10.0	81.0	−83·3	32.6	29	6	−4·1	7·2	5·0	..	0	10	0	0	0	0	0	0	0	0	0
South Assam (including Nagaland, Manipur and Tripura)																													
Tura	31·2	..	34·8	2	22·4	..	18·6	17	84·2	526·4	..	81.2	23	16	..	7·5	8·5	..	1	18	0	0	0	0	0	0	0	0	0
Haflong	27.3	..	33·4	29	19·2	.	14·9	4	194·3	336·8	+29·6	152·3	4	12	−1·9	..	..	..	0	15	0	0	12	0	0	0	0	0	0
Silchar (Kumbhirgram)	32·1	..	36·6	31	22·6	..	17·8	5	171·0	357·2	..	88·2	5	12	..	8·0	7·5	..	1	16	0	3	10	0	0	0	0	0	0
Silchar	30.6	—0·9	34·0	1	23·6	+1.0	19·6	14	75·6	222·2	−194·9	42·2	5	13	−3·4	4·1	2.5	—0·7	0	17	0	0	14	0	0	0	0	0	0
Imphal (Tulihal)	29.8	+0·9	34.6	28	16.4	−2.7	13·0	7	45·6	109.7	—121·0	26.0	4	14	+0·7	10·5	6·8	−1·1	1	15	0	0	11	1	0	0	0	0	0
Kailashahar	33.3	..	36.6	2	23.2	..	19·0	7	95·3	243·8	..	67·0	5	11	..	7·1	5·0	..	0	13	0	0	16	0	0	0	0	0	0
Agartala	34·7	+1.4	38·7	1	23·5	—0·9	19·3	7	46·3	126·3	−190·3	45·5	12	7	−4.1	13·5	10.7	−2·1	0	10	0	0	11	0	0	0	0	0	0
Sub-Himalayan West Bengal																													
Baghdogra	31·6	—1.4	34·	27	22.6	−0.3	18·4	5	36·2	226.8	−26.6	41.6	24	12	+0.9	17·9	14·3	+4·6	0	16	0	0	19	0	0	0	0	0	0
Jalpaiguri	31·3	−0.6	34·4	27,28	22·9	+0·3	20·3	3,5,7	1·6	333.0	+32·8	136.0	23	14	+0·9	13·6	10.7	+6·7	0	15	0	1	19	0	0	0	0	0	0
Cooch Behar	31.4	..	34·6	31 30	21·9	..	16·9	5	0·4	303·6	−122·4	44·8	24	16	+0.5	9·2	7·6	..	0	18	0	1	20	0	0	0	0	0	0
Balurghat	36·5	..	40.4	10	23·9	..	20·0	21	0	56·9	..	34·4	21	3	..	9·6	8·7	..	1	5	0	1	4	0	0	0	0	0	0
Malda	37·8	+2·6	41·4	10	25·8	+1·7	22·0	21	12·6	21·4	−95·4	10.2	31	2	—3·6	4·5	4·2	−4·8	0	4	0	0	6	0	0	0	0	0	0
Gangetic West Bengal																													
Berhampore	38·5	+2·3	42·6	2	25·3	+0·5	21·2	12	22·3	46·6	−88·8	21·	11	4	—3·3	7·5	6·7	+0.6	0	4	0	0	5	0	0	0	0	0	0
Suri	39.5	..	43·8	2	25·4	..	20·8	22	..	43·0	..	22·7	20	3	..	..	10·5	..	0	3	0	0	1	0	0	0	0	0	0
Asansol	40·8	+1·8	44·2	16	26·1	+0.4	21·6	13	14·2	14·4	−60·0	14.0	11	1	—3·4	10·6	9·2	0	0	2	0	0	4	0	0	0	0	1	0
Santiniketan	39.5	..	43·4	2	25.7	..	22·0	12	0	30·3	..	17·6	8	3	..	10·8	11.8	..	1	3	0	0	6	0	0	0	0	0	0
Krishnanagar	38·3	+2·4	44.2	2	..	..	..	..	53·0	57·3	—113·1	33.3	12	4	—3·9	21.3	12·2	+3.2	0	4	0	0	4	0	0	0	0	0	0
Purulia	39.9	—0·4	43.9	18	25·9	−1.1	21·0	12	15·2	37·0	−3·3	21.6	24	3	−0.5	8·3	7.1	+0.3	0	4	0	0	5	0	0	0	0	0	0
Bankura	40.8	..	45.0	17	26.4	..	21·3	12	4·6	19·1	—84·3	7.2	11	3	—2·6	6·3	4·9	..	0	4	0	0	0	0	0	0	0	0	0
Burdwan	39·2	+2·5	42·5	2	26·5	+1·2	21.9	12	19·4	20·4	—131·0	17·0	11	2	—5·2	12·4	11·2	+6·1	0	2	0	0	0	0	0	0	0	0	0
Barrackpore (Aerodrome)	36·6	..	41·8	2	26·1	..	21·0	12	36·2	52·3	..	47·3	12	2	..	..	..	..	0	2	0	0	6	0	0	0	0	0	0
Calcutta (Dum Dum)	35.9	+0.1	42·0	1	26·2	−0.1	21·0	12	53·7	78·6	—38·7	66·9	12	2	—3.9	15·9	12·7	—3.8	0	5	0	0	5	0	0	0	0	0	0
Calcutta	36.0	+0·7	42·3	1	26·6	+1.3	21·7	12	47·2	58·4	−81.1	47·7	12	3	−3·9	16·9	11·7	+3·7	0	3	0	0	5	0	0	0	0	4	0
Midnapore	39·6	+1·9	44·1	16	25·9	0	21·1	12	1·4	2·0	—118·4	1·4	12	0	−6·9	10·6	9·9	+3·0	0	3	0	0	1	0	0	0	0	0	0
Contai	33.3	−0·1	40·1	1	26.4	−0.6	21·1	12	25·0	57·0	—78.5	30·0	11	2	−2·8	20.0	15.8	+3.7	0	2	0	0	0	0	0	0	0	0	0
Sagar Island	31·5	—1·3	33·3	31	27·5	+0·5	21·9	12	40·0	77·3	—37·5	41·0	12	2	—3·5	28·4	28·2	+6·5	0	2	0	0	1	0	0	0	1	0	0
Sandheads	32.3	..	37·0	29	26.3	..	20.6	6	15.0	45.0	−5·0	23.0	11	2	—1·2	..	..	..	0	2	0	0	0	0	0	0	0	0	0
Orissa																													
Baripada	40·2	..	45·5	17	25·4	.	20·8	12	25.6	27.0	..	16·6	8	2	..	6·2	5·1	..	0	5	0	0	15	0	0	0	0	0	0

(a) Mean or total of 30 days. (b) Mean of 8 days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed, kms. per hour			Weather phenomena—No of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Totalfall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the months	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0.2mm)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28	29
Orissa—(*Cntd.*)																													
Jharsuguda	41·2	—0·8	44·4	31	26·1	—1·6	23·0	6	0	9·5	—14·1	8·2	10	1	—0·7	10·0	7·6	—1·2	0	2	0	0	6	0	0	0	0	3	0
Keonjhargarh	37·6	..	41·9	19	..	..	..	..	57·8	79·1	..	26·2	22	5	..	10·9	7·1	..	0	7	0	0	0	0	0	0	0	0	0
Balasore	36·8	—0·6	42.3	18	24·7	—1·3	21·2	12	22.7	37·5	—80·1	14·8	11	3	—2·9	15·9	12·6	+3·4	0	6	0	0	7	0	0	0	0	0	0
Sambalpur	40·1	—1·3	46·5	9	25·7	—1·6	20·3	23,24	0	37·1	+9·7	36·2	23	1	—1·3	..	..	..	0	2	0	0	0	0	0	0	0	0	0
Angul	40·1	+0·4	44·5	19	24·7	—1·4	20·4	26	5·8	13.6	—46·1	7·8	22	2	—2·7	12·5	8·5	—0·5	0	2	0	0	8	0	0	0	0	0	0
Chandbali	36·5	+0·2	42·9	1	25·5	—0·7	21·0	5	35·8	69·6	—72·1	33·8	11	3	—2·4	17·1	11·7	—4·	0	3	0	0	0	0	0	0	0	0	0
Bolangir	41·3	..	44·7	19	27·5	..	22.2	6	4·6	8·2	..	3·6	6	2	..	6·7	9·2	..	0	3	0	0	2	0	0	0	0	1	0
Phulbani	38·3	..	41·8	19	23·0	..	20·0	5	52·0	53·0	..	38·0	25	3	..	6·3	3·4	..	0	4	0	0	4	0	0	0	0	0	0
Cuttack	39·9	+1·3	44·1	1,17	26·1	—0.5	24·0	11	58·3	62·8	—27·9	57·6	25	2	—3·2	10·3	7·4	+1·3	0	4	0	0	1	0	0	0	0	0	0
Titlagarh	41·5	..	44·1	20	26·9	..	24·3	12,23	4.3	48·6	..	34·3	24	3	..	6·3	4.4	..	0	6	0	0	1	0	0	0	0	0	0
Bhubaneswar	38·9	+0 9	43·4	1	26·5	—0·6	24·0	11	1·2	1·2	—59·6	1·2	26	0	—2·4	20·1	17·3	—10 3	0	1	0	0	7	0	0	0	0	1	0
Puri	31·8	—0·2	35·3	12	26·1	—1·2	24·0	22	0	1·8	—70·8	1 8	11	0	—3·2	23·1	21·3	—0·1	0	1	0	0	0	0	0	0	0	0	0
Gopalpur	32·2	—0·2	36·7	4	26·3	—0·4	24·4	21	0	0	—54·1	0	..	0	—3·1	18·2	15·6	—5·0	0	0	0	0	2	0	0	0	0	0	0
Koraput	33·8	—0 3	37·2	31	20·7	—1·9	14·4	24	79·7	201·5	+131·4	49·8	23	10	+4·5	..	·	..	..	12	0	0	2	0	2	0	0	0	0
Bihar Plateau																													
Dumka	39·6	+2·4	43·5	15	26·1	+0·9	23·4	12	36·5	38·5	—53·2	17·2	18	3	—2·1	15·0	8·3	+3·5	0	4	0	0	0	0	0	0	0	0	0
Daltonganj	38·9	—2·3	43·0	30,31	23·9	—0.2	20 8	14	6·0	6·0	—8·5	4·0	20	1	—0·3	8·5	5·6	—1 5	0	2	0	0	0	0	0	0	0	0	0
Hazaribagh	38·1	+0·7	40·9	18,19	23·8	—0·4	19·2	12	0.3	0·3	—49·5	0·3	5	0	—3·4	12·7	10·0	—1·4	0	1	0	0	0	0	0	0	0	0	0
Dhanbad	40·1	..	44·0	17	26·8	..	21·6	12	5·0	5·0	..	5·0	11	1	..	7.8	6·3	..	0	1	0	0	2	0	0	0	0	0	0
Ranchi	38·4	+1·4	40·7	9,17	24·6	+0·5	21·7	1,2	0	24·0	—29·9	24·0	22	1	—3·1	7·4	..	..	0	1	0	0	1	0	0	0	0	0	0
Ranchi (Aerodrome)	37·2	..	40·4	17	23·8	..	19·6	12	1·2	1·2	..	1·2	11	0	..	14.0	11·3	..	0	1	0	0	12	0	0	0	0	0	0
Jamshedpur	40·5	+1·1	44·2	18	29·1	+2·9	24·4	9	2·6	29·9	=49·6	9·8	22	4	—1·1	9·2	7·2	+0·4	0	4	0	0	5	0	0	0	0	1	0
Jamshedpur (P.B.O.)	40·2	..	43·6	18	25·9	..	22·0	12	0	25·2	..	15 0	10	3	..	9·8	7·3	..	0	5	0	0	10	0	0	0	0	0	0
Chaibasa	40·6	+0·6	44·2	19	25·4	—0·8	21·2	20	1·2	36·4	—33·2	25·0	20	2	—3·2	6·0	5·0	+0 8	0	3	0	0	5	0	0	0	0	0	0
Bihar Plains																													
Motihari	38·2	+2·0	42·4	29	22·2	—1·5	..	..	0	1·1	—66·0	0.9	22	0	—3·8	(a) 8·6	(b) 5·9	—2·1	1	1	0	0	2	0	0	0	0	0	0
Forbesganj	35·4	..	39·5	28	23·5	..	18·6	21	0	56·4	..	36·4	21	3	..	13·3	10·8	..	0	3	0	0	3	0	0	0	0	1	0
Darbhanga	37·9	+2·2	41·5	31	24.3	+0·1	20·0	2	0	6·0	—57·7	6·0	26	1	—2·5	9·3	8·2	+1·1	0	1	0	0	1	0	0	0	0	0	0
Muzaffarpur	..	..	..	..	..	..	..	..	..	0	=50·3	0	..	0	—3.1	..	..	..	0	..	..	..	..	..	..	..	..	..	..
Chapra	41·1	..	43·9	29	26·5	..	24·3	1,7	0	0	—33·0	0	..	0	—1·8	6·9	5·5	..	0	0	0	0	0	0	0	0	0	0	0
Purnea	37·5	+2.6	41·7	29	22·5	—1·1	19·0	21	0	9.4	—96·8	9·4	21	1	—4·5	10·0	8·5	+3 0	0	1	0	0	1	0	0	0	0	0	0
Patna	41·3	+3·4	44·8	31	25·3	—0·3	23·0	7,14	1·4	1·4	—34·2	1·4	5	0	—2·3	8·6	8·3	+0·1	0	1	0	0	1	0	0	0	0	0	0
Patna Aerodrome	40·7	..	43·8	29	24·9	..	22·8	7,13,14	0·2	0·4	..	0·4	5	0	..	11·6	8·7	·	0	1	0	0	3	0	0	0	0	0	0
Arrah (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Bhagalpur	40·1	+1·8	43 8	30	25·9	+0·1	22 5	21	0	0	—48·1	0	..	0	—2·9	9·5	8·9	—1·2	0	0	0	0	2	0	0	0	0	0	0
Sabaur	39·7	+2·9	43·0	29	24·8	+0·5	19 5	1	0	4·4	—50·2	3·6	21	1	—2·6	11 1	9·7	—1·4	0	2	0	0	3	0	0	0	0	2	0
Jamui	41·5	..	44·4	29	26·7	..	23·8	14	0	0	..	0	..	0	..	(c) 9·7	(c) 6·5	..	0	0	0	0	0	0	0	0	0	0	0
Dehri	41·9	..	44·8	18	27·2	..	24·8	6	0	0	—16·0	0	..	0	—1·2	10·5	6·7	..	0	0	0	(	0	0	0	0	0	0	0
Gaya	42·3	+2·0	45·0	18	26·3	—0·3	20·7	12	2·8	3·6	—20·0	3·6	25	1	—0·7	13·0	9·5	—0·2	0	1	0	0	2	0	0	0	0	3	0
Uttar Pradesh (East)																													
Kheri (R)																													
Bahraich	41·7	+2·6	44·6	18	24·9	—0·2	21·7	11	6·0	6·0	—24·7	6·0	22	1	—1·1	13·1	8·1	+2·5	0	1	0		3	0	1	0	0	0	0
Nautanwa	40·8	..	42·6	18,27	23.9	..	20·4	1	0	2·2	..	2·2	22	0	..	..	..	..	0	1	..	0	0	..	0	..	..	..	..
Hardoi	41·6	+0·5	44·0	2	23·6	—1·7	20·0	1		0	—8·8	0	..	0	—0·6	12·0	8.7	+0·9	0	0	0	0	0	0	1	0	0	0	0
Gonda	41·3	+2·0	44 2	18	24·4	—1.0	20·8	11	19 2	19·2	—7·0	19·2	21	1	—0·9	11·2	7 8	—0·4	0	1	0	1	1	0	0	0	0	0	0
Lucknow	40·2	—0·6	43·0	31	24·4	—1·3	21·8	11	0	0	—19·6	0	..	0	—1·3	6·0	4 2	+0·2	0	0	0	0	1	0	0	0	0	0	0
Lucknow (Amausi)	41·2	+0·7	43·8	31	24·0	—0·8	20·4	11	0	0	—19·6	0	..	0	—1·3	15·1	10·1	..	0	0	0	0	1	0	1	0	0	5	0
Faizabad	40·8	..	43 6	20	23·2	..	20·0	11	12·6	12·6	..	12·6	21	1	..	6·3	3·5	·	0	1	0	0	2	0	0	0	0	0	0
Gorakhpur	41·4	+3 0	43·6	28	26·1	+1·2	23·3	7	5·1	9·1	—26·0	5·1	20	2	—0·5	8·0	6·0	+1·3	0	2	0	0	0	0	0	0	0	0	0
Kanpur	41·3	—0·1	43·9	17,18	26·2	—0·7	23·1	5,12	0	0	—8·1	0	..	0	—1·0	15·8	11·0	—1·7	0	0	0	0	0	0	0	0	0	0	0
Kanpur (Aerodrome)	41·9	.	44·7	31	25·9	..	22·3	1	0	0	..	0	..	0	..	..	..	..	0	0	0	0	2	0	2	0	0	3	0
Sultanpur	40·5	..	43·0	71931	7·93	..	22·9	11,12	0	0	..	0	..	0	..	7·7	5·8	..	0	0	0	0	1	0	0	0	0	0	0
Azamgarh	41·9	..	44·4	30	24·8	..	22·6	11	2 0	7·4	..	7 4	22	1	..	..	..	..	0	1	0	0	1	0	0	0	0	0	0
Fatehpur	42·4	+0·6	45·3	31	25·4	—1·5	22·3	12	0	0	—3 6	0	..	0	—0·6	12·9	7·5	+1·1	0	0	0	0	0	0	0	0	0	0	0
Ballia	40·8	..	43·4	28	23·0	..	20·7	27	0	0	..	0	..	0	..	7·7	5·2	..	0	0	0	0	0	0	0	0	0	0	0
Banda	42·5	..	45·3	17	26·2	..	22·8	11	0	0	..	0	..	0	..	5·9	3·1	..	0	0	0	0	0	0	0	0	0	0	0
Allahabad (Bamhrauli)	42·6	+0·9	45·0	18,31	25·6	—1·0	22·5	11	2 8	2·8	—13·2	1.4	4·22	0	—1·2	9·8	5·5	—2·1	0	2	0	0	2	0	1	0	0	3	0
Varanasi (Babatpur)	41·6	0	44·2	18	25·5	—1·6	21.9	12	0·	0·6	—7·3	0·6	4	0	—0·4	15·3	11.5	—1·2	0	1	0	0	2	0	3	0	0	0	0
Varanasi	41·8	+1·0	44·5	18	25·8	—0·4	22·3	29	0	0	—13·5	0	..	0	—1.1	10.5	6·0	—0·3	0	0	0	0	0	0	0	0	0	0	0

(R) Register not received. (a) Mean of 30 days. (b) Mean of 29 days. (c) Mean of 26 days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, kms. per hour			Weather phenomena—No. of days with													
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the months	Departure from normal	Mean between 0830-1730 hours	Mean 24 hour	Departure from normal	Precipitation (0·1 or 0·2mm)	Precipitation (0·3mm or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Uttar Pradesh (West)—*contd.*																																
Mukhim	24·3	..	27·4	18	14·0	..	9·3	8, 23	22·8	83·8	..	43·7	23	8	..	..	..	..	3	11	0	1	13	0	1	0	0	0	0
Tehri	35·0	..	38·8	17, 18, 31	17.5	..	13·9	1	26.8	83·4	..	31·4	23	4	..	3·6	2 3	..	2	10	0	1	13	0	2	0	1	0	0
Dehra Dun	34·9	—0.7	38·0	31	18·4	—2·8	14.8	1	0.9	54·8	+18·0	29·7	22	2	—1·0	6·0	4·4	+0 7	0	6	0	0	7	0	0	0	0	0	0
Mussoorie	22·0	..	24.3	20	14·7	..	7·6	23	..	65.8	..	18·2	23	6	..	..	..	..	0	8	0	0	0	0	0	0	0	0	0
Roorkee	38·4	—0·6	42 3	18	20·4	—2·9	15·0	1	9·4	53.6	+34·3	42·4	23	3	+1.3	8·3	6.3	+1.2	0	3	0	1	3	0	1	0	0	0	0
Najibabad	39·1	..	42·7	18	20·2	..	16·9	22	10.2	61·6	..	45.6	23	3	..	11 0	7·3	..	0	3	0	1	3	0	2	0	0	0	0
Meerut	38·9	—0·6	42·2	31	21·6	—2.6	18·4	24	..	2·0	—13.2	2·0	23	0	—1.5	..	8·2	..	0	1	0	0	1	0	0	0	0	0	0
Bareilly	40·7	+1.2	44·7	18	24·5	—0·6	22·1	11	0	6 4	—10.4	5·0	22	1	—0·5	13·1	9.3	+4 6	0	2	0	0	3	0	0	0	0	0	0
Aligarh	38·0	—2·7	41·4	30	23·4	—2·9	20·5	1	1.2	13·0	+2·6	9·4	22	1	—0·2	13.0	9.9	+1·5	0	2	0	0	3	0	0	0	0	0	0
Mainpuri	..	..	..	..	23·3	—2.4	19·1	7	0	3·2	—9·7	3·2	23	1	—0·2	7.8	4.8	—0·3	0	1	0	0	2	0	2	0	0	0	0
Agra	41·1	—0·1	44·5	30, 31	25·3	—0·4	21·8	7	0	3·0	—6 7	3·0	6	1	—0 1	7·0	5·6	—1.6	0	1	0	0	0	0	1	0	0	0	0
Agra (Aerodrome)	41·4	..	45·4	31	23.9	..	18·9	7	0.5	3·0	..	2.5	22	1	..	..	..	..	0	2	0	0	6	0	8	0	0	0	0
Orai	41·2	..	44·4	31	26·5	..	22·0	1	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Jhansi	41.8	—0·7	44.0	31	27·3	—0·8	23.6	11	0	0	—9·4	0	..	0	—1·0	6 8	6.3	—0·6	0	0	0	0	0	0	0	0	0	0	0
Punjab (Including Delhi)																																
Pathankot	35·3	—3·7	39·8	21	19.6	—3·6	13·6	7	67.8	108·7	+91 6	41.5	23	5	+3.6	..	..	..	0	5	0	1	8	0	2	0	0	0	0
Bhuntar	28·3	..	33·4	21	10·9	..	8.2	14	19.7	81·8	..	44·4	23	6	..	9·6	7·9	..	3	10	0	1	17	0	0	0	0	0	0
Amritsar (Rajasansi)	36·6	—2·8	41·0	31	19 8	—2·0	16·2	1	2 4	21.2	+11 6	11·1	22	2	+0·8	13·2	10 7	—0 8	0	4	0	0	4	0	0	0	0	0	0
Adampur (Aerodrome)	36 5	..	40·7	21	19·1	..	14 2	1	20·3	41·8	..	19·0	22	3	..	..	..	..	0	5	0	0	8	0	4	0	0		0
Ludhiana	38·6	—1·5	42·8	31	21·6	—2·7	18·4	8	38·0	56·6	+43·1	38·6	23	2	+0·5	7·5	5.5	+2.0	0	2	0	0	5	0	1	0	0	0	0
Ferozepore	36·8	..	42·0	31	20·4	..	13 6	22	6·0	23·2	..	18·0	22	1	..	6·0	4·3	..	0	4	0	1	3	0	5	0	0	0	0
Haiwara (Aerodrome)	37·4	..	40·7	21	19·9	..	16·4	8	39·9	51·8	..	39·9	23	2	..	..	..	..	0	2	0	0	9	0	2	0	0	0	0
Chandigarh	36·6	—1·7	40·5	30, 31	22·7	—0·9	15·2	3	5·7	28·9	+15 8	22·4	23	2	+0·6	..	..	..	1	2	0	0	0	0	0	0	0	0	0
Ambala	37·2	—2.7	41·0	31	22·6	—1·7	19.8	8	22·2	40·4	+21.9	40·4	23	1	—0·5	6·6	4·8	—1·2	0	1	0	0	3	0	0	0	0	0	0
Ambala (Aerodrome)	37.3	..	41·0	31	21·2	..	17·8	11	20·5	48 8	..	46·5	23	1	..	..	..	..	0	3	0	0	9	0	1	0	0	0	0
Patiala	38·1	..	41·9	31	21·9	..	17·7	8	9·0	52·1	+45·8	24·4	23	3	+2·2	10·8	9·2	..	0	4	0	1	7	0	0	0	0	0	0
Bhatinda	38·5	..	43·4	31	21·9	..	18.4	4 days	3·8	17 6	..	17·6	22	1	..	6·0	7·0	..	0	1	0	0	1	0	1	0	0	0	0
Karnal	37.4	..	44·0	29	..	..	..	..	11·0	25·0	..	19·0	23	2	..	..	..	..	0	2	0	0	0	0	0	0	0	0	0
Hissar	39·4	1·3	44·2	31	23·9	—0·5	18·5	8	10·2	21·2	+7·5	13·8	22	2	+0.6	8·3	7·8	—0·2	0	3	0	0	6	0	4	0	0	0	0
New Delhi (Safdarjung)	38.4	—2.8	41·8	31	24·1	2·6	21·3	11, 23	1·6	5·8	—7·4	3·6	22	1	—0·6	18·8	13·2	—0.5	1	2	0	0	5	0	9	0	0	0	0
Palam (Aerodrome)	39.2	..	43·0	31	23·3	..	19.1	11	1.8	16·1	..	8·3	22	2	..	..	..	..	0	3	0	0	7	0	4	0	0	1	0
Himachal Pradesh																																
Mandi	32·1	—2·7	36·5	21	..	..	..	..	30 6	95·1	+49·4	27 6	23	7	+3·3	3·7	3.4	—0·4	0	8	0	0	8	0	0	0	0	0	0
Bilaspur	35.1	..	38·5	31	19.0	..	14·9	22	49 5	97·5	..	39 0	23	5	..	6·2	5·6	..	0	5	0	0	1	0	7	0	0	0	0
Jammu and Kashmir																																
Misgar (R)																																
Gilgit (R)																																
Skardu (R)																																
Dras	..	..	..	..	..	..	..	..	..	0	—61 5	0	..	0	—5·4	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Sonamarg (R)																																
Leh	..	..	..	.	1·5	—1,3	—2.7	13	0·6	0·6	—5·0	0 6	13	0	—0 7	3·8	3·9	—0.6	0	1	2	0	0	0	0	0	0	0	0
Srinagar	21·9	—3·1	27 5	30	9 8	—0 7	7 1	23	67·1	148·9	+88 0	46·7	23	8	+2·6	6·2	5·2	+0·7	0	9	0	0	2	0	0	0	0	0	0
Srinagar (Aerodrome)	20 7	.	26·7	20	9 7	..	6·8	12	68·9	151·6	..	54·8	23	8	..	..	..	..	0	9	0	0	9	0	0	0	0	1	0
Gulmarg	Closed during Winter months																															
Qaziagurd	21·7	..	27·7	21	8 8	..	5·1	23	112·1	254·8	..	88 0	23	11	..	1·7	1·7	..	0	13	0	0	16	0	0	0	0	0	0
Banihal	23·2	..	28 8	30	10 0	..	4·9	23	120·0	239·8	..	101 6	23	9	..	..	..	.	0	11	0	1	12	0	0	0	0	0	0
Jammu	34·9	—2·8	40·1	31	20 8	—4·9	14 6	23	1·2	78·4	+55·3	30 0	24	5	+2·9	7·3	7·0	..	0	5	0	0	0	0	0	0	0	0	0
Jammu (Aerodrome)	34·8	..	39 6	31	21·6	..	15 5	23	46.8	79.1	..	30·5	24	5	..	..	..	..	0	6	0	0	10	0	3	0	0	0	0
Rajasthan (West)																																
Ganganagar	39 3	—1.7	44.4	30, 31	22·1	—2·3	17·7	7	0·2	10·8	··5.0	7·2	22	2	+0·3	6·4	4·8	—0 9	1	2	0	0	5	0	3	0	0	0	0
Anupgarh (R)																																
Mahajan	40·1	..	45·5	29,30	26 7	..	17·4	11	0	0	..	0	..	0	..	(b) 14·6	(b) 10 0	..	0	0	0	0	2	0	8	0	0	0	0
Churu	39·4	..	43.9	31	24·2	..	19·3	10	15·2	28·5	..	14·4	23	3	..	15·0	10.9	..	0	3	0	0	10	0	3	0	0	0	0
Bikaner	40·5	—1·6	44·8	30	25·2	—2 4	20 1	11	0	1·4	—13·0	1·4	22	0	—1·3	13·5	10·0	+0·8	0	1	0	0	3	0	4	0	0	0	0
Nagaur	40·4		48.4	31	25·2	..	19·9	11	0	1·0	..	1·0	20	0	..	14·0	9·2	..	0	1	0	0	1	0	1	0	0	0	0
Phalodi	40·5	..	44 0	29,30	23·9	..	19·5	23	0	1·7	—8·0	1·7	16	0	—0·8	21·3	17.3	..	0	1	0	0	3	0	11	0	0	0	0
Jaisalmer	40 2	..	43·5	30	22 9	..	19·4	9	0	0.7	..	0·7	22	0	..	20.3	17.3	..	0	1	0	0	0	0	0	0	0	0	0
Jodhpur	40 3	—0·5	43·2	27	25 8	—0 5	19 6	20	0	0	—10·4	0	..	0	—1·1	15·0	13·0	—4·2	0	0	0	0	2	0	7	0	0	0	0
Barmer	41.0	—0.3	44.0	27, 30	25.6	—1·1	21.7	20	6.6	7.2	—1·7	1.0	20	1	+0·3	11.4	10.1	—1·0*	1	1	0	0	2	0	0	0	0	0	0
Erinpura (Jawai Dam)	39·4 (n)	..	43·1	17	24·8	..	20·3	9	3·2	17·2 (n)	..	17·2	20	1	..	5·3	5 0	..	0	1	0	0	0	0	0	0	0	0	
Munabao	41·9	..	46·2	28	..	..	..	..	..	0	..	0	..	0	..	(b) 14·5	10·0	..	0	0	0	0	0	0	0	0	0	0	0

(R) Register not received. (b) Mean of 29 days. (n) Mean or total for 17 days

* Departure indicated refers to 1940 normals accepted provisionally.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm or more)		Wind speed, km. per hour			Weather phenomena—No. of days with													
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the months	Departure from normal	Mean between 0830—1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 & 0·2mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Rajasthan (East)																													
Pilani	38·6	..	42·5	30	21·9	..	17·5	11	21·2	66·0	..	35·6	22	4	..	16·1	11·8	..	0	4	0	0	2	0	0	0	0	0	0
Sikar	38·8	..	42·4	31	22·9	..	18·0	24,25	0	0	..	0	..	0	..	2·1	1·6	..	0	0	0	0	0	0	3	0	0	0	0
Alwar	40·0	..	43·2	30	26·8	..	22·5	25	7·6	8·4	..	6·0	21	1	..	4·8	3·4	..	1	3	0	0	4	0	5	0	0	0	0
Jaipur (Sanganer)	38·9	—1·8	42·7	30	24·5	—0·4	21·3	12	0	7·6	—6·9	5·4	21	1	—0·6	..	..	..	0	2	0	0	6	0	3	0	0	3	0
Dholapur	42·0	..	45·4	7	25·3	..	21·2	11	0	0	..	0	..	0	..	10·7	7·3	..	0	0	0	0	0	0	1	0	0	0	0
Ajmer	38·8	—0·6	41·6	28,30	25·8	—1·0	21·4	10	0	0·4	—15·9	0·4	19	0	—1·5	14·6	12·8	+2·3	0	1	0	0	1	0	1	0	0	0	0
Tonk	40·4	..	43·4	16,31	28·8	..	24·2	20	31·3	35·0	..	25·5	20	3	..	12·6	10·0	..	0	5	0	0	8	0	0	0	1	0	0
Bhilawar	39·6	..	42·8	29	24·4	..	19·3	7	0	0	..	0	..	0	..	13·0	10·5	..	0	0	0	0	0	0	1	0	0	0	0
Kota	41·0	—1·0	43·9	30	30·4	+1·2	24·6	1	0·4	1·8	—10·1	1·4	21	0	—1·0	11·0	7·3	+0·7	1	2	0	0	0	0	0	0	0	0	0
Kota (Aerodrome)	41·2	..	44·2	29	27·5	..	22·4	22	0	2·8	..	2·0	21	0	..	18·0	15·3	..	0	2	0	0	6	0	5	0	0	0	0
Chambal (Rawat Bhata Dam)	40·0	..	42·6	28,29	26·7	..	24·1	4	1·6	2·2	..	1·6	21	0	..	12·0	8·0	..	0	2	0	0	4	3	0	0	0	0	0
Udaipur	37·8	—1·4	40·6	1	23·7	—2·3	19·6	10	0·2	0·4	—17·9	0·2	4,18	0	—1·5	8·0	5·0	..	2	0	0	0	3	0	0	0	0	0	0
Jhalawar	41·1	—0·6	44·5	17	26·7	—0·2	22·2	12	0	3·0	—5·9	3·0	21	1	+0·1	10·4	10·0	+1·6	0	1	0	0	0	0	0	0	0	0	0
Banswara	40·5	..	43·4	16	14·2	..	11·1	23	0	0	..	0	..	0	..	13·3	10·6	..	0	0	0	0	0	0	0	0	0	0	0
Madhya Pradesh																													
Gwalior	41·5	—1·6	45·4	15	26·1	—2·5	21·1	10	0	0	6·9	0	..	0	—0·9	14·2	9·4	..	0	0	0	0	5	0	2	0	0	0	0
Sheopur	41·1	—1·3	44·0	29,30	25·8	—1·0	19·5	10	0	0·2	—9·8	0·2	3	0	—0·6	15·2	10·1	+0·6	1	0	0	0	4	0	1	0	0	0	0
Shivpuri	39·4	..	42·1	17	23·5	..	18·9	10	0	0	..	0	..	0	..	12·3	9·2	..	0	0	0	0	0	0	0	0	0	0	0
Nowgong	41·6	—0·3	44·1	17,18	25·1	—1·2	21·2	17	0·2	0·2	9·2	0·2	4	0	—1·0	9·6	5·5	+1·0	1	0	0	0	1	0	0	0	0	0	0
Guna	40·0	—1·3	42·8	17	24·6	—0·7	20·9	10	0	0	—13·7	0	..	0	—1·2	17·9	12·1	..	0	0	0	0	2	0	0	0	0	0	0
Nimach	38·6	—1·1	41·8	16	25·3	+0·1	23·0	8	19·4	19·4	+4·4	19·4	21	1	—0·2	(a) 16·2	13·3	—0·1	0	1	0	0	4	0	0	0	0	0	0
Rajgarh	41·2	..	44·4	17,22	26·2	..	21·6	10	0	2·0	..	0	..	0	..	15·0	11·9	..	0	0	0	0	0	0	0	0	0	0	0
Sagar	40·4	0	42·2	17	25·3	—0·7	21·3	4	0	0	—8·7	2·0	4	0	—1·1	14·0	9·0	..	0	1	0	0	1	0	0	0	0	0	0
Ratlam	39·1	—0·5	41·9	17	24·7	—1·2	21·9	11	0	1·0	—10·6	0	..	0	—0·9	15·3	11·8	+0·7	0	0	0	0	1	0	0	0	0	0	0
Bhopal (Bairagarh)	39·8	—0·6	42·0	17	24·8	—1·3	20·6	4	0	6·6	—13·5	1·0	4	0	—1·2	(a) 19·4	14·7	+1·0	0	1	0	0	2	0	0	0	0	2	0
Ujjain	39·1	..	41·8	1,17	23·1	..	18·9	11	4·9	0	..	6·6	4	1	..	18·0	14·9	..	0	1	0	0	1	0	0	0	0	0	0
Narsinghpur	41·7	..	41·0	17,18	24·3	..	20·0	13	0	8·2	..	0	..	0	..	8·2	4·9	..	0	0	0	0	0	0	0	0		0	0
Hoshangabad	41·3	—0·3	44·2	17	26·7	—0·5	23·2	28	0	0·5	—4·3	8·2	22	1	—0·2	9·0	7·1	+2·0	0	1	0	0	1	0	0	0	0	0	0
Indore	38·8	—1·3	41·4	16	24·0	—0·2	20·9	10	0	0	—12·4	0·5	19	0	—1·3	22·5	19·7	..	0	1	0	0	2	0	0	0	0	0	0
Rajpur (Jhabua)	39·0	..	42·0	16	24·5	..	21·4	8	0	11·6	..	0	..		..	16·5	13·1	..	0	0	0	0	0	0	0	0	0	0	0
Chhindwara	38·9	—0·4	41·4	17	24·8	—0·7	21·7	5	8·8	10·6	—3·6	5·6	3	2	+0·8	11·0	6·4	—1·3	0	4	0	0	2	0	0	0	0	0	0
Seoni	39·9	+0·1	42·0	17	25·5	+0·9	23·2	4	4·5	1·2	—8·7	5·3	2,3	2	+0·3	10·3	6·6	+0·5	0	2	0	0	2	0	0	0	0	0	0
Betul	38·6	—0·5	41·6	17	23·2	—1·5	19·6	24	0	0	—9·1	1·2	31	0	—1·0	8·5	5·0	—2·1	0	1	0	0	0	0	1	0	0	0	0
Khandwa	41·1	—0·5	43·8	1,17	27·0	—0·3	22·1	4	0	0	—7·9	0	..	0	—0·7	15·1	12·6	—0·3	0	0	0	0	2	0	0	0	0		0
Madhya Pradesh (East)																													
Satna	41·8	+0·8	44·4	18,31	25·8	—0·8	23·1	1,12	0	0	—11·9	0	..	0	—1·3	9·1	6·8	—0·4	0	0	0	0	0	0	0	0	0	0	0
Rewa	41·6	..	44·4	18	25·8	..	22·8	13	0	0	..	0	..	0	..	8·0	4·6	..	0	0	0	0	0	0	0	0	0	0	0
Sidhi	42·1	..	44·4	17	24·9	..	21·4	12	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Umaria	41·1	+0·3	43·8	18	25·7	—0·4	21·3	13	0	1·1	—9·8	1·1	4	0	—0·7	9·3	5·7	+0·1	0	1	0	0	1	0	1	0	0	0	0
Jabalpur	41·2	+0·4	43·6	29	25·5	+0·3	22·2	1	0	2·4	—13·3	2·4	4	0	—1·4	8·6	5·0	+0·2	0	1	0	0	1	0	0	0	0	0	0
Ambikapur	38·8	—0·8	41·5	19	23·6	—1·2	20·6	5	9·6	20·2	+5·4	10·6	24	2	+0·5	..	..	..	0	2	0	0	3	0	0	0	0	0	0
Jashpur Nagar	36·3	..	40·0	19	22·6	..	20·0	11	37·8	45·0	..	23·6	23	4	..	10·5	6·2	..	0	4	0	0	0	0	0	0	0	0	0
Pendra	38·5	+0·6	40·7	31	25·2	0	21·3	13	4·6	8·2	—13·1	4·2	23	1	—1·1	10·7	7·8	..	1	5	0	0	6	0	0	0	0	0	0
Mandla	40·5	—0·8	42·6	30	23·7	—0·6	18·8	13	0	2·8	—4·9	2·4	23	0	—0·9	8·3	4·6	—0·3	0	2	0	0	5	0	0	0	0	0	0
Champa	42·1	—0·8	44·7	31	26·0	—2·7	21·7	6,11	0	14·4	+2·2	12·0	11	1	—0·3	8·9	6·5	—1·1	0	3	0	0	7	0	1	0	0	0	0
Raigarh	41·5	—1·3	44·5	18	26·5	—2·4	23·6	5	2·6	14·5	+0·8	5·5	23	3	+1·3	6·1	5·5	—0·8	0	4	0	0	2	0	1	0	0	0	0
Raipur	41·9	+0·1	44·4	30,31	27·7	—0·1	24·8	13	0	1·0	—21·6	1·0	24	0	—2·1	10·6	9·0	—2·4	0	1	0	0	2	0	0	0	0	0	0
Kanker	39·7	—0·5	42·5	30	27·5	+1·2	22·0	4	4·0	6·8	—31·1	4·0	11	2	—0·7	11·8	8·8	+1·6	0	2	0	0	7	0	0	0	0	0	0
Jagdalpur	37·9	—0·4	42·0	31	23·2	—0·4	20·5	12	49·5	79·4	+19·5	30·2	9	5	+0·2	7·4	4·9	..	1	10	0	0	16	0	0	0	0	7	0
Gujarat Region (Including Daman, Dadra and Nagar Haveli)																													
Deesa	40·9	..	43·6	1	..	..	..	..	2·0	2·0	..	2·0	4	0	..	13·4	10·5	..	0	1	0	0	0	0	0	0	0	0	
Radhanpur	40·9	..	43·9	1	24·5	..	21·3	10,13	0	0	..	0	..	0	..	13·1	10·0	..	0	0	0	0	0	0	0	0	0	0	0
Idar	40·2	..	43·3	1	25·3	..	21·1	6	0	0	..	0	..	0	..	12·1	9·6	..	0	0	0	0	0	0	0	0	0	0	0
Ahmadabad	41·4	—0·2	43·6	28	25·2	—0·7	21·0	25	0	2·3	—7·6	2·3	20	0	—0·7	8·8	7·5	—2·0	0	1	0	0	2	0	1	0	0	0	0
Dohad	39·6	+0·1	42·2	16	25·4	—0·7	22·9	23	0	0	—9·7	0	..	0	—0·4	22·7	23·4	—2·7	0	0	0	0	1	0	0	0	0	0	0
Vallabha Vidyanagar	40·5	..	45·0	16	24·8	..	20·8	9	0	0	..	0	..	0	..	11·4	9·7	..	0	0	0	0	0	0	0	0	0	0	0
Baroda Aerodrome	40·0	..	43·0	16	25·8	..	23·1	8	0	0	..	0	..	0	..	12·2	11·7	..	0	0	0	0	0	0	0	0	0	0	0
Baroda	40·7	0	43·6	6	26·3	+0·2	23·9	8	0	0	—4·1	0	..	0	—0·	3·5	2·0	—6·4	0	0	0	0	0	0	0	0	0	0	0

(a) Mean of 30 days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed, kms. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2mm.)	Precipitation (0·3mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a)	20b)	21	22	23	24	25	26	27	28	29
Gujarat Region—(Including Daman, Dadra & Nagar Haveli) *contd.*																														
Broach	39·2	−0·5	43·0	16	25·9	−1·0	23·8	14,15	0	0	−17·0	0	..	0	−0·5	4·8	3.8	-7·5	0	0	0	0	0	0	0	0	0	0	0
Surat	36·1	−0·2	40·6	16	25·9	−0.2	23.2	14	0	0	−6·1	0	..	0	−0·3	14.7	11.8	+1.2	0	0	0	0	0	0	0	0	0	0	0
Saurashtra & Kutch (including (Diu) Naliya	34·2	..	42·2	1	23.4	..	18·0	8	0	0	..	0	..	0	..	25·0	17·6	..	0	0	0	0	1	0	0	0	0	0	0
Bhuj (Rudramata)	39.3	+0·6	44·3	1	24·9	−0.2	22.4	7	0	0	−6·6	0	..	0	−0·3	22.8	19·3	+0.1	0	0	0	0	0	0	0	0	0	0	0
Kandla Aerodrome	39·6	..	43·3	1	24·4	..	21·2	8,10	0	1.8	..	1.8	3	0	..	32·5	18·3	..	0	1	0	0	0	0	0	0	0	0	0
New Kandla	35·6	..	40·6	12,27	25·1	..	23·3	8,9,10	0	0	..	0	..	0	..	31·3	27·3	..	0	0	0	0	1	0	0	0	0	0	0
Mandvi	32·2	−0·5	37·1	2	25·7	−0.5	21·5	8	0	0	0	0	..	0	0	34·4	30·0	−0.1	0	0	0	0	0	0	0	0	0	0	0
Surendranagar	40·9	−0.9	42·4	19	25·3	−0.8	22·9	7	0	0	−5.1	0	..	0	−0·4	(a) 16·0	(b) 17·1	−1.2	0	0	0	0	0	0	0	0	0	0	0
Okha	31·0	..	33·2	19	25·3	..	23·4	12	0	0	..	0	..	0	..	27·1	24·0	..	0	0	0	0	0	0	0	0	0	0	0
Jamnagar (Aerodrome)	36·5	+0.4	40·0	1,19	23·9	−0·9	20·9	8	0	0	−7·6	0	..	0	−0·3	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Dwarka	30·9	−0·2	34·1	2	26·1	−0.9	25·0	8	0	.	−0·5	0	..	0	−0·1	20·3	18·9	+0·6	0	0	0	0	0	2	1	0	0	0	0
Rajkot	39·8	−0·8	41·5	18	23·4	−1·4	20·0	8	3.2	3.2	+0.7	3.2	20	1	+0·7	27·2	25·2	−1·0	0	1	0	0	1	0	0	0	0	0	0
Bhaunagar Aerodrome	39·5	+0.1	42·0	29	25·4	−0·2	21·9	14	0	7.3	−3·1	7.3	21	1	+0·3	26·0	23·1	+3·4	0	1	0	0	1	0	0	0	0	0	0
Porbander Aerodrome	32·8	+0.5	37·4	2	24·6	−1·9	20.1	8	0	0	−0.1	0	..	0	0	22·9	16·1	..	0	0	0	0	0	0	0	0	0	0	0
Keshod	36·9	..	41·4	2	23·7	..	20·4	10	0	0	..	0	..	0	..	27·5	21·7	..	0	0	0	0	0	0	0	0	0	0	0
Mahuva	34·9	..	38·3	15	23·6	..	18·9	8	0	0	..	0	..	0	..	16·3	14·9	..	0	0	0	0	0	0	0	0	0	0	0
Veraval	31·0	..	35.0	10	24·5	..	20.4	8	0	0	−7.1	0	..	0	−0·3	23·6	20·7	..	0	0	0	0	0	0	0	0	0	0	0
Konkan (including Goa) Dahanu	32·6	−0·4	34·8	18	25·8	−1·0	22·3	11	(d) 0	0	−5.8	0	..	0	−0·5	(e) 21·1	(d) 15·9	−0.8	0	0	0	0	0	0	0	0	0	0	0
Bombay (Santacruz)	33·1	+0·7	36·4	16	25.3	+0·2	23·1	14	0	0	−15·4	0	..	0	−1.5	18·1	11 0	..	0	0	0	0	1	0	0	0	0	0	0
Bombay	32·6	−0·2	33·8	31	26·3	−0·1	24·3	10	0	0	−16·5	0	..	0	−0·8	13·3	9.6	−1·2	0	0	0	0	0	0	0	0	0	0	0
Alibag	31·9	+0·3	34·6	16	25·7	−0.5	23.2	10	0	0	−26·4	0	..	0	−0·8	..	13.2	−0·2	0	0	0	0	0	0	0	0	0	0	0
Bhira	39·4	..	43·5	16	23·2	..	19.6	13	0	1.4	..	1.4	17	0	..	6.4	3.6	..	0	1	0	0	3	0	0	0	0	0	0
Harnai	30.4	−0·3	32.4	19	26.7	−0·2	24·9	9,13	0	0	−44.0	0	..	0	−2.7	19.8	16.5	+0.5	0	0	0	0	1	0	0	0	0	0	0
Ratnagiri	32·4	..	33.8	1	25·1	..	22.2	12	0	1.0	−26.9	1.0	18	0	−1.4	14.9	9·4	..	0	1	0	0	0	0	0	0	0	0	0
Devgarh	32·3	−0·4	33·5	20	26·8	−0·4	25·0	12	0	0	−53·1	0	..	0	−3·1	20·8	17·8	+0.3	0	0	0	0	0	0	0	0	0	0	0
Vengurla	32.6	0	34·0	2	25.4	−0.6	23.0	12	0	0	−85.1	0	..	0	−4.3	..	..	..	0	0	0	0	2	0	0	0	0	0	0
Panjim	32·6	..	34·0	2	26·2	..	24·0	9	0	0	..	0	..	0	..	16.4	11.6	..	0	0	0	0	1	0	0	0	0	0	0
Mormugao	31·4	..	32·3	20	26·5	..	24.4	9	0	0.4	..	0.4	24	0	..	(l) 17.3	(k) 15·3	..	0	1	0	0	1	0	0	0	0	0	0
Dabolim (Naval Air Station)	32·3	..	33·4	6	27·0	..	24·5	9	0	0	..	0	..	0	..	15·7	11·7	..	0	0	0	0	0	0	0	0	0	0	0
Madhya Maharashtra Nandurbar	40.2	..	43·6	16,17	24·6	..	22.1	9	28.0	28.2	..	28.0	17	1	..	13·6	12·6	..	1	1	0	0	0	0	0	0	0	0	0
Jalgaon	42·3	−0.3	45·2	1	27·2	−0·1	24·0	6	0	0	−10·6	0	..	0	−0·9	23·4	22·1	..	0	0	0	0	3	0	0	0	0	0	0
Malegaon	40·2	−0.4	42·5	17	23·5	−0·4	19·1	8	0	1.6	−16.9	1·6	3	0	−1·2	15.3	12.9	+0·5	0	1	0	0	1	0	0	0	0	0	0
Ozar	37·7	..	40·1	17	21·8	..	18·8	6	(a) 0	2.0	..	2.0	2	0	..	(b) 21·6	18.5	−1·1	0	1	0	0	1	0	0	0	0	0	0
Deolali (Aerodrome)	37·8	..	41·6	17	21·9	..	15·8	6	0.8	14.6	..	12.7	11	1	..	15.7	14.0	..	0	3	0	0	3	0	0	0	0	0	0
Ahmadnagar	39·5	+0.7	42·8	16	22·2	-0·1	18·4	22	0	0	−23·1	0	..	0	−1.6	13·9	10.7	..	0	0	0	0	0	0	0	0	0	0	0
Khandala	..	..	..	..	..	..	..	..	..	3.0	−17.1	3.0	8	1	−0·3	..	..	..	0	1	..	..	..	..	..	..	..	..	..
Poona (Aerodrome)	36·9	..	40·2	17	21.1	..	18·5	2,19	17.0	66.9	..	25.6	19	3	..	..	..	−1.9	0	3	0	0	7	0	0	0	0	2	0
Poona	37·2	+0·5	40·8	17	21·5	−0·9	18·7	7	20.9	49.4	+22.5	33.1	19	3	+1.3	13·6	10·6	..	0	3	0	1	5	0	0	0	0	2	0
Jeur	39·8	+0·1	41·4	12	23·2	−1·0	19·9	7	0	20.1	−23·8	11·4	1	2	−0·7	13.4	14·4	0	0	3	0	0	7	0	0	0	0	0	0
Baramati	38·7	0	40·9	17	22.5	+1·2	20·3	11,12	0	2.2	−39.3	2.2	2	0	−2.6	14·6	14·5	+0·1	0	1	0	0	0	0	0	0	0	0	0
Sholapur	39·2	−1·2	41.1	14	25·4	+0·4	23.0	21	3.0	(b) 4.3	..	..	..	..	..	12·7	10·6	−2·6	..	..	0	0	2	0	0	0	0	0	0
Miraj	37·3	0	39·2	17	21·5	−1·0	17.9	13	9.8	39.2	−8.8	12.6	3	4	+1.1	..	..	..	0	6	0	0	7	0	0	0	0	0	0
Kolhapur	36·4	+0.8	40·1	15	21.0	−1·3	19·0	12,13	64.2	79·1	+0.9	52.8	2	5	+0·5	16·5	15·6	−1.3	0	7	0	0	8	0	0	0	0	0	0
Marathwada Aurangabad	39.4	−0·3	41.8	15	24.7	+0.4	21·0	22	0	0	−18.3	0	..	0	−1.3	16·3	16·4	+0.5	0	0	0	0	0	0	0	0	0	0	0
Aurangabad (Chikalthan)	39·1	..	41.1	16,17	24·0	..	19.4	7	0	0	..	0	..	0	..	17.8	16·2	..	0	0	0	0	0	0	0	0	0	0	0
Parbhani	41.3	−0·5	43·2	29	26·1	−0·6	22·3	6	0	6.4	−14·7	6·4	1	1	−0·6	12·5	10·6	−2.0	0	1	0	0	0	0	0	0	0	0	0
Nander	41·8	..	43·6	17	26·1	..	22.0	10	0	0	..	0	..	0	..	11·6	8·2	..	0	0	0	0	0	0	0	0	0	0	0
Bir	40·7	..	42·4	17	24·3	..	21.0	6	0	2.1	..	2.1	1	0	..	11·5	8.8	..	0	1	0	0	0	0	0	0	0	0	0
Vidarbha Gondia	41.8	−0·3	44·2	31	28.3	−0·5	25·2	6,13	0	0	−6·1	0	..	0	−0·7	7.6	4.9	−0·9	0	0	0	0	0	0	0	0	0	0	0
Nagpur (Sonegaon)	41·8	−1·5	44·1	28,29	27.2	−1.5	23.4	12	1.2	1.4	−17.9	0.8	2	0	−2·0	15·9	12·6	..	0	2	0	0	4	0	0	0	0	2	0
Amraoti	41.6	−0.4	44·5	16	27·5	+0.4	23·5	6	0·6	0	−13·2	0	..	0	−1·3	16·3	11·8	+2·5	0	0	0	0	0	0	0	0	0	0	0
Akola Aerodrome	41·8	..	44·3	17	26.5	..	22·2	11	0	0	..	0	..	0	..	14·1	12.1	..	0	0	0	0	0	0	0	0	0	0	0
Akola	41.6	+0.7	44.3	17	27·5	+0·1	23.1	11	0	0	−10·4	0	..	0	−1.0	13·6	11·2	−0·5	0	0	0	0	0	0	0	0	0	0	0
Bramhapuri	40.7	..	45.8	23	..	..	..	..	0	10.6	..	8.8	4	1	..	8·8	6.5	..	0	2	0	0	0	0	0	0	0	0	0
Buldana	38.2	−0.1	41.2	17	25.5	−0.7	23.0	8	0	0	−18.1	0	..	0	−1·7	11.7	10·5	−4.4	0	0	0	0	0	0	0	0	0	0	0
Yeotmal	41 1	−0.4	43.3	29	26.9	−1.4	23.4	4	0	2.1	−10.7	2.1	4	0	- 1.0	16.7	14·0	−1.7	0	1	0	0	1	0	0	0	0	0	0
Chanda	42.5	−0.5	45.	30	28.0	+0.2	24.6	4	0	3.0	−12.5	1.2	2, 31	0	−1.4	13.2	8.5	+2.1	0	3	0	0	2	0	0	0	0	0	0
Pusad	41.9	..	43.9	17	27.2	..	23.6	5	0	0	..	0	..	0	..	13.3	10.2	..	0	0	0	0	0	0	0	0	0	0	0
Sironcha	42.1	0	45.3	29	28.3	−1.0	22.5	11	0.6	0.6	−15.9	0.6	5	0	−1.3	9.1	7·0	−0·1	0	1	0	0	1	0	0	0	0	0	0

(a) —mean of 30 days.
(b)—mean of 29 days.
(d) —mean of 27 days.
(e)—mean of 26 days.
(k)—mean of 20 days.
(l)—mean of 19 days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 or 0.2 mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Coastal Andhra Pradesh—																														
Kalingapatam	34·4	+0.2	37·4	28	26·7	−0·4	24·6	13	0	0	−65·0	0	..	0	−3·2	17·8	13·4	−0·6	0	0	0	0	1	0	1	0	0	0	0
Vishakhapatnam	36·8	+0·4	39·3	12	27·2	−0·1	21·7	13	0·9	30·6	−20·2	22.0	12	2	−0·7	20·7	12·4	−1.4	0	5	0	0	7	0	0	0	0	0	0
Kakinada	36·6	−0·7	39·1	19	25 8	−1·8	23·8	24	3·6	12·6	−26·5	8·0	24	2	−0·5	10·2	7·9	−1·9	0	3	0	0	1	0	1	0	0	0	0
Nidadavole	37·3	..	42·0	30	26·1	..	21·7	13	0·4	22·6	..	10.4	13	3	..	9·2	6·2	..	0	4	0	0	1	0	0	0	0	0	0
Rentachintala	42·3	+0·7	45·0	31	28.9	−0·1	24.8	5	0	0	−64·0	0	..	0	−2·8	10·7 (e)	9·2 (e)	−3·5	0	0	0	0	0	0	0	0	0	0	0
Gannavaram	38·9	−0·8	44·1	30,31	26·8	−0·9	21·0	21	0	31·3	−3·4	31·1	21	1	−2·1	16·6	12·9	−2·6	1	1	0	0	3	0	0	0	0	0	0
Nagarjunakonda (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Masulipatam	36·0	−1·5	43·1	30,31	24·9	−2·7	19·6	21	0	27·2	−6·3	21·6	21	2	0	5.3	3·6	−7·0	0	2	0	0	2	0	0	0	0	0	0
Ongole	39·2	..	44·5	12	27·6	..	23·4	21	0	36·0	..	36.0	21	1	..	13·3	10·2	..	0	1	0	0	0	0	0	0	0	0	0
Nellore	39·5	−0·6	43·1	12,13	27·5	−0·2	20·2	23	0	0	−27·7	0	..	0	−1·4	15·5	11·4	+2·4	0	0	0	0	0	0	0	0	0	0	0
Telangana—																														
Ramagundam	42·2	−0·5	44·6	29,30	27·0	−2·5	23·1	5	0	2·4	−31·4	2·4	5	0	−2·2	10·3	7·9	−0·7	0	1	0	0	1	0	0	0	0	0	0
Nizamabad	41·9	+0.5	43·9	29	26·8	−0.6	20·9	5	0	11·0	−6·3	9·0	5	1	−0·4	10·5	7·8	+0·9	0	2	0	0	5	0	1	0	0	0	0
Hanamkonda	41·3	+1·0	44·4	29	26 7	−0·9	21·4	3	8·2	8·6	−22·4	8.2	7	1	−1·0	11·2	10·0	−0·1	0	2	0	0	2	0	0	0	0	0	0
Hakimpet (Aerodrome)	38·5	..	40·5	29	25·4	..	18·1	14	0	77·3	..	65·3	14	3	..	..	..	..	0	4	0	0	7	0	0	0	0	2	0
Bhadrachalam	40·9	+0·1	46·0	30	27·5	−0·5	23·2	14	7·0	20·6	−4·8	13·6	14	3	+0·7	6·6	7·4	−2.7	0	3	0	0	0	0	1	0	0	0	0
Hyderabad (Begampet)	39·1	+0·6	41·4	29	24·9	−1·1	17·6	14	0	40.4	+12.7	30.6	14	2	−0 3	16·0	11·7	+0·3	0	3	0	0	7	0	0	0	1	0	0
Khammam	40·7	..	44·2	30	27·9	..	24·0	21	0	5·0	..	5·0	20	1	..	7·9	7·4	..	0	1	0	0	2	0	2	0	0	0	0
Mahbubnagar	40·0	..	43·2	29	26.4	..	22.9	14	0·8	1·9	..	0·8	9	0	..	12 0	10·3	..	0	4	0	0	4	0	1	0	0	0	0
Royalaseema																														
Kurnool	40·2	−0·1	41·6	11	26·3	−0·9	20·3	14	..	18·5	−8·9	13·9	5	2	−0 5	10·5	11·0	+0·1	0	3	0	0	0	0	0	0	0	0	0
	..	..	..	..	..	..	..	..	3·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Anantapur	39·1	+0·8	40·7	14	26·3	+0·4	24·0	7	0	9·1	−48·3	8·9	7	1	−2·9	15·4	14·3	+0·4	1	1	0	0	2	0	0	0	0	0	0
Cuddapah	40·4	−0·5	43 3	21	28 5	+0·1	26·2	2	0	5·4	−32·9	2·8	21	2	−0·6	2·7	2·2	−7·6	0	2	0	0	0	0	0	0	0	0	0
Arogyavaram	35·8	..	37·1	14	22 4	−	19.6	26	0	6·0	..	6·0	21	1	..	14 5	13·4	..	0	1	0	0	0	0	0	0	0	0	0
Madras State (including Pondicherry)																														
Madras	36·0	..	42·0	12	27·4	..	26·1	3	0	2·0	..	0	..	0	..	12 3	10·3	..	0	0	0	0	0	0	0	0	0	0	0
Madras (Minambakkam)	38·1	−0·4	42·2	12	27·7	+0·1	26·3	3	0	2·0	−26·2	0	..	0	−1·1	16 3	13·7	−0.5	0	0	0	0	0	0	0	0	0	0	0
Vellore	38·4	−0·4	41·0	12,13 & 29	25·8	−0·3	20·5	14	7·2	23·3	−34·9	19·7	14	1	−2 8	9 2	10 0	+3·9	1	2	0	0	5	0	0	0	0	0	0
Tambaram (Aerodrome)	39·2	..	43·5	29	27·1	..	25·6	3	1·5	1·5	..	1·5	11	8	..	..	..	..	0	1	0	0	2	0	5	0	0	0	0
Tiruppattur	36·9	..	39·3	31	23·2	..	21·3	18,23	11·5	23·8	..	12·3	23	2	..	7 4	5·9	..	0	2	0	0	1	0	0	0	0	0	0
Mettur Dam R. S.	36·9	..	38·2	20,21	25·6	..	22·3	21	9·1	74·6	..	26·4	8	5	..	6·1	7·7	..	0	5	0	0	0	0	0	0	0	0	0
Cuddalore	36·3	−0·3	41·0	29	26 5	−0 4	24·0	11	16·2	37·1	+11·7	16·2	25	3	+1·7	13·0	11·5	+3·0	0	3	0	0	2	0	0	0	0	0	0
Kallakkurichchi	38·6	..	40·7	12,29	25·9	..	21·9	14	0	72·4	−8·4	34·4	14	3	−1.3	9 9	7·1	..	0	4	0	0	5	0	1	0	0	0	0
Salem	36·7	−0·7	38·8	13	25·6	+0·6	23·3	23,25	3·4	23·8	−78·0	13·6	23	2	−5·1	8·6	7·0	+1·2	1	5	0	0	7	0	0	0	0	0	0
Coimbatore (Pilamedu)	33·7	..	36·0	14	22·7	..	20·0	25	9·0	100·9	..	92·8	25	3	..	22 4	21·4	..	0	4	0	0	8	1	0	0	0	0	0
Coimbatore	33·9	−0·8	36·5	14	22·7	−0 4	19·6	25	..	69·4	+6·7	52·8	25	3	−1·5	..	10·4	+4·3	0	3	0	0	2	0	0	0	0	0	0
Nagapattinam	35·2	−1.1	39 1	12	26·7	−0·4	22·8	14	0	41·2	+1·3	38·6	14	2	+0·2	17·3	13·2	+2.9	0	2	0	0	2	0	0	0	0	0	0
Tiruchchirapally	37·5	−0 6	39·5	21	26·5	+0·3	23 7	25	13·1	18·7	−65·4	12·3	16	2	−2·1	19·1	13·7	−1·7	1	3	0	0	5	0	0	0	0	3	0
Vedaranniyam	35·4	..	38·2	8,10	26 3	..	23·5	25	0	1·3	..	1·3	8	0	..	6·0	5·0	..	0	1	0	0	0	0	0	0	0	0	0
Atirampatinam	34·0	..	38·6	10	26 6	..	22 4	25	0	53·6	..	30·4	10	3	..	18·1	13·8	..	0	3	0	0	0	0	0	0	0	0	0
Madurai	38·2	+1·1	39·9	13,14	25 7	+0·1	23·1	6,7	..	25·0	−44·6	8·4	19	3	−1·7	..	5·5	−1·4	0	5	0	0	0	0	0	0	0	0	0
Madurai (Aerodrome)	37·0	..	39·0	22	25 9	..	23·5	25	16·0	25·8	..	15·8	22	3	..	12·0	11·0	..	0	5	0	0	0	0	0	0	0	0	0
Tondi	32·9	..	37·4	30	27·0	..	24·0	25	0	38·2	..	38·2	25	1	..	19·7	17·0	..	0	1	0	0	4	0	0	0	0	0	0
Pamban	32·9	−0·3	34·0	3,31	27·2	−0 1	23·5	25	0	20·6	−4·0	19·2	10	1	−0·7	19·2	14·6	−1·7	0	2	0	0	0	0	0	0	0	0	0
Tuticorin	34·5	+0·2	37·8	22	26 6	−0·3	24·3	25	0	0	−37·2	0	..	0	−3.2	19·3	14·8	+0·9	0	0	0	0	1	0	0	0	0	0	0
Palayankottai	37·3	+0·8	39·9	13,13	26·1	−0·9	23·5	3	19·4	32·6	−7·6	16.6	3	4	+1·5	14·1	9·9	0	0	5	0	0	6	0	0	0	0	0	0
Kaniyakumari	32·2	..	33·8	12	25·4	..	22·8	3	26·4	30 8	..	25·6	3	1	..	26·0	22·5	..	0	5	0	0	0	0	0	0	0	0	0
Coastal Mysore																														
Karwar	32·2	+0·7	33·4	2	27 1	+0·8	25·5	12	0	0	−96·2	0	..	0	−3·9	19·9	16 1	..	0	0	0	0	0	0	0	0	0	0	0
Honavar	32·4	−0 1	33·3	17,20	25·8	−0·3	23·5	15	0	9·4	−105·4	6·3	21	1	−3·9	..	..	..	0	3	0	0	1	0	0	0	0	0	0
Mangalore (Bajpe)	33·2	..	34 8	19	25·5	..	22·9	30	11·0	141·7	..	98·9	21	4	.	13·7	8·8	..	0	5	0	0	6	0	0	0	0	0	0
Mangalore	32·7	0	34·0	2,17	25·5	−0·5	19·0	21	1·8	108·7	−48·3	62·6	30	2	−4·7	14·5	11·4	+2·5	0	4	0	0	0	0	0	0	0	0	0
Interior Mysore (North)																														
Bidar	38·7	−0·3	40·6	29	26·1	+0·4	21·8	11	0	2·8	−22·3	2·6	5	1	−1·4	14·2	13·9	+1·2	1	1	0	0	0	0	0	0	0	0	0
Gulbarga	40·3	−0·2	41·8	29	26·6	+0·7	24·4	10	0·8	0·8	−27·7	0·8	19	0	−2·4	14·3	13·5	+0·1	0	1	0	0	5	3	0	0	0	0	0
Bijapur	39·4	+0·7	42·9	6	24·2	+0·6	22·0	12	0·2	5·8	−22·7	2·4	3	1	−1·2	9·7	10·4	−0·4	0	3	0	0	1	0	0	0	0	0	0
Raichur	40·3	+0·5	41·8	28	27·1	+0·9	24·3	15	0·3	5·8	−21·4	0·0	5	1	−1·3	14·1	14.0	+0·8	0	2	0	0	1	0	0	0	0	0	0

(R) Register not receiv

Sub Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days, (2·5 mm. or more)		Wind speed, kms. per hour			Weather phenomena—No. of of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hour	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm)	Precipitation (0·3mm or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20b	21	22	23	24	25	26	27	28	29
Interior Mysore North—(*Contd*)																													
Belgaum	34.4	—0.2	37.2	14	20·5	+0.3	18·3	9	26·4	65.2	+6·8	36·2	1	3	—1.3	8.2	5.5	—4·7	0	5	0	0	4	5	0	0	0	0	0
Belgaum (Samar)	34·6	..	37·0	15	20.5	..	18·2	18	60·8	99.2	..	28·4	18	4	..	12.4	10·8	..	5	0	0	0	9	0	0	0	0	0	0
Gadag	37.1	+0.3	39·2	14,17	21·9	—0·7	19.7	28	34·4	70.0	+16·9	31.5	21	3	1.1	11.3	12.5	—1.0	0	4	0	0	7	0	0	0	0	0	0
Interior Mysore South—(*Contd.*)																													
Bellary	39.2	+0·3	41·1	10,17	26·1	+0·7	23·2	2	2·0	31·0	—17·0	16·0	4	3	—0·3	12·7	11·7	+2·0	0	4	0	0	0	0	0	0	0	0	0
Chitradurga	35·2	+0.1	37·7	14	22·6	+0·4	20·9	21	13·1	48·5	+26·2	19·4	21	3	+1·4	5·1	5·4	—4·4	0	4	0	0	4	0	0	0	0	0	0
Shimoga	35·2	+1·7	37·2	15,16	22·1	—0·4	18·7	12	6·6	16·1	—101.5	8·4			—5·6	6.8	5.0	—1·3	0	2	0	0	5	0	0	0	0	0	0
Agumbe	29·3	..	31·8	19	20·3	..	16·2	12	..	4·0	..	2·			..	..	3·3	..	2	2	0	0	0	5	0	0	0	0	0
Balehonnur	30·7	+1·5	34·4	21	18·6	—0·9	12·5	18	..	158·4	+53·0	94.0	21	6	—0	..	..	..	0	7	0	0	0	5	0	0	0	0	0
Hassan	32·6	+0·7	35·7	13	19·9	+0·1	17·3	12	17·4	28·8	+88·5	10·0	23	4	—3·2	10·1	9·3	+0·8	0	5	0	0	12	0	0	0	0	0	0
Bangalore	33.2	+0·3	35·6	14	21·4	+0.9	19.0	18	14.1	27·3	+78·4	14·1	18	2	—4.6	12.2	10.9	+2.0	0	2	0	1	3	0	0	0	0	0	0
Bangalore (Aerodrome)	33·2	..	35.4	14	20·6	..	09.0	11	0.1	20.3	..	19·4	21	1	..	..	..	..	0	2	0	0	3	0	0	0	0	0	0
Mysore	32·7	—0·6	35.0	5	21.3	+0·2	20.1	4days	21.4	108·6	+33.4	35·0	21	5	—2·9	15·2	10·5	+0·7	0	5	0	0	5	0	0	0	0	0	0
Kerala																													
Calicut	31·9	—0.4	33·4	4,15	25·5	—0.2	21·6	25	36·7	226·7	—9·0	95·3	25	12	+3·3	14·6	13.7	+2·4	0	17	0	0	9	0	0	0	0	0	0
Palghat	33·3	..	36·5	15	24·6	..	21.3	25	0.4	81·2	..	59·0	25	3	..	16·4	12·8	..	0	5	0	0	4	0	0	0	0	0	0
Fort Cochin	30·9	+0·1	32.7	4	25·0	—0·7	22·3	29	23·6	519·5	+222·8	228·6	25	15	+2.7	15·1	12·2	+3.7	0	20	0	0	16	0	0	0	0	0	0
Cochin (Naval Air Station)	31.5	..	33·7	6	24·9	..	22·3	29	19·8	431·0	..	109·1	25	15	..	11.4	8·9	..	1	17	0	0	22	0	0	0	0	0	0
Alleppey	31·5	—0·4	33·3	1,4	24·7	—1·0	22·7	26	74·7	381·1	+7·1	86·3	25	17	+3·3	18·0	15·8	—2·9	0	19	0	0	13	0	0	0	0	0	0
Punalur	32·5	..	35·7	15	23·3	..	22·0	6,12,16	193·6	428·6	..	90·0	55	14	..	4.4	3·5	..	0	18	0	0	0	0	0	0	0	0	0
Trivandrum	30.8	—1·1	33·2	19	24·2	—1.1	21·1	6	27·2	224·5	+1·5	63.4	25	10	—0·1	15.4	10·2	—2.0	0	16	0	0	19	0	0	0	0	0	0
Trivandrum (Aerodrome).	31.3	..	32·7	19	24·7	..	21·1	6	..	161·8	..	57·2	25	10	..	..	10.7	..	0	17	0	0	12	0	0	0	0	0	0
Arabian Sea Islands																													
Amini *	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Minicoy*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Stations (excluding Kashmir)																													
Dalhousie	23.5	—2·4	28 0	21	12·0	—3·7	5·0	9	42·0	117·0	+70·3	52·0	23	7	+3·2	6·3	6·8	0	0	9	0	0	3	0	0	0	0	0	0
Dharmsala	28·5	—2·3	32·4	21	17·3	—4·0	11·3	7	35·4	105·8	+51.2	46·6	23	7	+3·1	7·3	6·6	+0·2	0	7	0	0	8	0	0	0	0	0	0
Simla	20·0	—2·9	25·9	29	..	..	..	..	58·4	120 6	+56·3	49·6	24	8	+2·8	3·5	3·6	+0·9	1	11	0	0	7	0	0	0	0	0	0
Dharmpur	..	..	..	..	..	..	..	..	..	135·8	+86·5	60·6	24	5	+1·6	..	..	..	0	7	0	0	0	0	0	0	0	0	0
Lokpal	—1·3	..	2·0	30	—7.4	..	—9·8	4	..	54·4	..	15·4	19	4	..	..	..	..	4	8	7	7	11	0	0	0	0	0	0
Badrinath (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Joshimath	25·0	..	28·9	18	13.5	..	6·9	23	20·5	70·2	..	23·2	23	6	..	8·7	10·0	..	1	7	0	0	0	0	0	0	0	0	0
Mussoorie	23·4	—1·3	27·3	16	13·0	—1·8	7·7	24	2·2	59·6	+17·2	29·2	23	2	—2·3	11·5	10.0	+0·3	0	6	0	1	7	0	0	0	0	0	0
Mukteswar (Kumaun)	23·6	+0·8	27·7	17	12.4	—0·8	7·3	7	9·4	34·4	—24·0	16·6	23	4	—1·1	15·5	15·0	+3·7	0	5	0	1	10	1	0	0	0	0	0
Nainital	23·6	—0·4	27·0	18	13·8	—1·6	11·0	4days	9·0	35·0	—40.5	18·0	23	2	—1·5	10·6	8·5	+0·5	0	5	0	0	0	0	0	0	0	0	0
Kalimpong	25·9	+2·2	27·7	31	18·3	+1.2	14·9	4	6·6	24·0	—135·3	6·2	24	5	—6 8	..	..	..	0	14	0	0	0	0	0	0	0	0	0
Darjeeling	19·4	+1·6	22·0	28,29	14·3	+2·0	11·0	5	31·0	154·6	—90·6	48.0	24	14	—0·4	3·5	3·6	+1.0	0	16	0	0	9	8	0	0	0	0	0
Kohima	24·2	..	26·7	28	18·8	..	15·0	4	111·8	195.0	..	47.6	30	14	..	..	2·8	..	0	17	0	0	0	2	0	0	0	0	0
Shillong	25·2	+1·9	28.6	29	15·5	+0.4	12·5	6	101·8	290·3	+3·5	120·2	12	13	—4·3	5·5	4·4	—1·6	0	17	0	0	2	0	0	0	0	0	0
Cherrapunji (R)																													
Abu	30·6	—0·5	33·3	1	19·4	—2·3	15·0	8	1·6	2·6	—21·0	1.6	4	0	—1·3	23·4	11·7	0	0	2	0	0	1	0	1	0	0	0	0
Aijal	28·5	..	30·0	4 days	19·1	..	14·7	6	86·9	154·5	..	65·1	6	8	..	..	..	..	0	10	0	0	0	0	0	0	0	0	0
Pachmarhi	34·5	—0·9	36·9	16	23·1	—0·8	18.4	11,26	0	0	—15·7	0	..	0	—1·6	8·4	6·8	—1·7	0	0	0	0	1	0	0	0	0	0	0
Mahabaleshwar	29·5	+0·7	33·6	15,16	17·6	—0·6	14.0	25	0	34·3	—6·3	15.4	18	3	+0·6	13·6	12·6	—1·1	0	3	0	0	4	6	0	0	0	0	0
Mercara	27·4	+0.7	30·6	15	17·7	—0·4	15·0	12	43·2	73·4	—58·9	25·0	7	4	—4·5	13·5	10·9	—4·8	0	10	0	1	13	0	0	0	0	0	0
Ootacamund (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Coonoor (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kodaikanal	20·4	+0.2	23·0	29	12·1	—0.5	9·8	25	81·7	129·1	—32.7	41.4	22	10	—0·6	11·0	10·7	—0·7	1	11	0	0	12	0	0	0	0	0	0
Nepal																													
Katmandu	31·8	..	34·5	29	14.0	..	9 6	6	18.6	47·5	..	11·6	31	5	..	4·1	2·1	..	0	12	0	0	14	0	..	..	0	0	0
Sikkim																													
Lachen	17.2	..	19·1	31	6.7	..	5·4	16	..	169·1	..	37·8	13	15	..	..	..	..	1	20	..	..	0	..	..	..	..	..	..
Hydrometeorological Observatories Damodar Catchment																													
Tilaiya	39·7	..	42·5	18	25.9	..	22·7	12	2·8	6·2	..	3·4	10	2	..	12·4	8.5	..	0	2	0	0	1	0	0	0	0	0	0
Hazaribagh	37.7	..	41·0	18	23·3	..	18·7	12	0·3	0·3	..	0·3	10	0	..	10.7	6.9	..	0	1	0	0	4	0	1	0	0	0	0
Konar	38·5	..	44·5	17	21.9	..	18·1	12	0	1·6	..	1·6	22	0	..	10·6	7.9	..	0	1	0	0	1	0	0	0	0	0	0
Bokaro	41·0	..	43·9	17,18	22·4	..	18·5	12	32·4	36·6	..	30·5	11	2	..	9.8	6.2	..		5	0	0	1	0	0	0	0	0	0

(R) Register not received. *Data given as addenda in December 1965 issue. (a) Mean of 30 days. (b) Mean of 29 days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days. (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departur from normal	Precipitation (0.1 & 0.2 mm.)	Precipitation (0.3mm or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Hydrometeorological Observatories—(*Contd*)																														
Damodar Catchment (*Contd.*)																														
Maithon	40.9	..	44·4	17	23·8	..	19·6	5	2·2	2·7	..	1·2	11,19	0	..	..	..	..	0	3	0	0	2	0	0	0	0	0	0
Ramgarh (R)																														
Panchet Hills	40.0	..	43.8	17	26·9	..	22·4	12	26·5	27·0	..	16·3	11	2	..	7.0	6.2	..	0	3	0	0	0	0	0	0	0	0	0
Durgapur	39·8	..	42·8	16	25.9	..	21.3	8	0	41.2	..	21.0	8	3	..	16.0	12.5	..	0	4	0	1	3	8	0	0	0	0	0
Mahanadi Catchment																														
Ginabahar	38·9	..	42·8	20	22·3	..	18·3	13	..	38·8	..	16·2	11	4	..	..	..	..	0	6	0	0	9	2	2	0	0	0	0
Hirakund	40·2	..	43·7	19	27·0	..	23·3	5	1·5	14·6	..	7·5	23	2	..	5·4	4·7	..	0	5	0	0	5	0	0	0	0	1	0
Bhimkund	37·9	..	42·6	18	23·9	..	20·6	20	9·7	45·8	..	34·0	20	2	..	7·3	3·3	..	0	4	0	0	19	0	0	0	1	0	0
Sonepur	40·5	..	44·0	19	28·5	..	25·1	6	..	0	..	0	..	0	..	..	3·0	..	0	0	..	..	..	..	..	..	..	..	..
Khijrawan	..	..	..	..	..	..	..	..	0	6·4	..	6·4	9	1	..	12·5	9·0	..	0	1	0	0	1	0	0	0	0	0	0
Narmada Catchment																														
Bagra Tawa	41·6	..	45·0	17	26·7	..	22·6	11	0	0	..	0	..	0	..	8·6	4·9	..	0	0	0	0	1	0	0	0	0	0	0
Punasa (R)																														
Thikri	42·7	..	46·3	16	..	..	..	..	..	8·5	..	8·5	16	1	..	..	..	..	0	1	*	*	0	*	*	*	*	*	*
Sabarmati Catchment																														
Daroi	40·5	..	43·6	2	25·4	..	21·6	6	0	0	..	0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..	..
Gandak Catchment																														
Jomosom	22·6	..	25·3	20	7·0	..	3·3	5	0	11·2	..	5·0	13	3	..	..	..	..	0	3	..	..	..	..	..	..	..	..	..
Khudi Bazar	31·6	..	34·9	30	19·3	..	14·4	4	45·0	96·4	..	17·0	8	11	..	..	..	..	0	14	..	..	..	..	..	..	..	..	..
Timure	28·6	..	31·3	9	..	..	..	..	1·2	32·7	..	9·4	3	4	..	..	..	..	0	11	..	..	..	..	..	..	..	..	..
Pokhara	33·2	..	36·5	29	19·3	..	13·7	4	32·2	62·7	..	12·6	21	9	..	7·8	6·4	..	0	12	0	2	19	0	2	0	0	0	0
Gorkha	30.9	..	34·4	29	20·9	..	16·4	4	29·0	88·3	..	18·1	4	9	..	..	..	..	1	10	0	0	18	0	0	0	0	0	0
Nuwakot†																														
Ghaghara Catchment (Trans Himalayan Region)																														
Dailekh	(a) 31·2	..	33·4	19	(a) 17·5	..	14·1	6	1·4	5·0	..	3·4	23	1	..	..	..	..	0	3	..	..	..	..	..	..	..	..	..
Ghaghara Catchment																														
Dadeldhura	26·3	..	29·8	31	15·5	..	10·6	23	11·8	20·4	..	8·0	21	3	..	8·0	6·7	..	0	4	0	0	7	0	0	0	0	0	0
Sallayana	31·4	..	34·6	18	20·5	..	14·4	7	2·8	4·8	..	2·8	21	1	..	..	..	..	0	2	..	..	..	..	..	..	..	..	..
Butwal	39·3	..	41·9	19	26·6	..	18·4	21	9·0	21·0	..	1·0	21	1	..	..	..	..	0	1	..	..	..	..	..	..	..	..	..
Baghmati Catchment																														
Katmandu*																														
Kosi Catchment																														
Chautara	31·5	..	33·6	4 days	17·7	..	14·3	4,7,8	7·2	16·3	..	4·4	16	4	..	..	..	..	0	6	..	..	..	..	..	..	..	..	..
Walungchung Gola	13·9	..	16 9	26	5 5	..	1·8	4	9·2	137·0	..	22·3	28	11	..	..	..	..	3	15	..	..	..	..	..	..	..	..	..
Taplethok	28·2	..	30·6	2	16·2	..	13·8	3	52·0	289·0	..	58·2	28	24	..	..	..	..	1	26	..	..	..	..	..	..	..	..	..
Bhojpur	24·4	.	26 9	31	16·5		13·2	6	16·7	80·9	..	16·3	3	9	..	..	..	..	0	12	..	..	..	..	..	..	..	..	..
Taplejung	23·6	..	26·1	2	14 3	..	11·5	3	86·2	254·0	..	49·4	3	19	..	7·4	5·0	..	0	25	0	0	15	2	0	0	0	0	0
Okhaldhunga	24·9	..	27·6	29	15·3	..	11·7	7	42·4	155·5	..	53 3	16	9	..	7·6	6·5	..	0	13	0	4	20	2	0	0	0	0	0
Chainpur	..	..	..	..	16·6	..	13·2	5	26·6	151·6	..	27·0	24	14	..	..	..	..	0	15	..	..	..	..	..	..	..	..	..
Angbung	..	..	..	..	..	..	..	..	97·1	406·6	..	70·1	8	18	..	..	..	..	1	21	..	..	..	..	..	..	..	..	..
Barahakshetra	35·2	..	37·9	28	23·9	..	19·9	8	0·2	58·8	..	26·1	24	5	..	10·0	6·0	..	2	8	0	1	11	0	1	0	0	1	0
Tista Catchment																														
Gangtok	22·8	..	26·0	31	13·9	..	10·7	5	46·5	476·3	..	87·3	18	26	..	3·0	3·2	..	0	28	0	0	13	12	0	0	0	0	0
Gezing	25·3	..	28·2	1,27	15·2	..	9·1	15	42·4	188·3	..	102·4	18	12	..	..	..	..	0	19		..	..	..	..	..	..	..	..

(R) Registers not received

(a) Mean of 30 days.

* Data included under 'Nepal'.

† Data less thon 15 days hence no means published.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in s.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bay Islands																											
Mayabandar	0830	28	1007·4	1004·3	..	28·3	26.2	25·3	32·2	84	..	4·7	..	6·4	0	1	28	0	2	1	1	1	13	6	0	2	0
	1730	,,	1004·7	1001·7	..	27·5	25·8	25·1	31·9	87	..	4·9	..	6·3	0	1	27	0	1	1	4	2	13	6	1	3	0
Long Island	0830	25	1007·6	1004·8	..	28·6	26·1	25·1	31·9	80	..	5·5	..	2·5	0	0	19	0	0	0	2	3	10	2	2	12	0
	1730	,,	1005·1	1002·3	..	27·9	25·5	24·5	30·7	82	..	6·1	..	2·7	0	0	17	0	0	0	0	3	8	5	1	14	0
Port Blair	0530	79	1006·6	997·6	..	25·6	24·5	24·0	29·8	91	..	6·9	..	10·6	0	7	19	0	1	0	2	3	11	5	4	5	0
	0830	,,	1007·8	999·1	−0·7	29·0	25·7	24·3	30·4	76	−2	6·5	+0·9	17·8	0	11	19	0	0	2	3	6	10	3	6	1	0
	1130	,,	1007·0	998·2	..	29·2	25·6	24·0	29·8	75	..	7·0	..	19 1	0	7	23	0	1	4	1	5	11	5	3	1	0
	1730	,,	1005·6	996·7	..	27·1	25·0	24·1	30·0	83	..	6·9	..	15·2	0	11	15	0	0	1	0	3	15	2	5	5	0
	2330	,,	1007·0	998·1	..	25·9	24·6	24·1	30·0	89	..	5·9	..	11·2	0	7	15	0	0	0	1	2	15	3	1	9	0
Car Nicobar	0830	10	1008·3	1007·1	..	28·6	25·9	24·7	31·1	79	..	4·3	..	3·0	0	0	21	1	2	0	5	0	8	2	2	10	1
	1730	,,	1006·2	1005·0	..	27·6	25·7	24·9	31·5	85	..	4·7	..	2·5	0	0	18	0	1	0	3	0	10	3	1	13	0
Nancowry	0830	26	1009·0	1006·1	..	27·8	25·5	24·5	30·7	82	..	5·7	..	7.6	0	5	13	0	0	0	0	0	16	1	1	13	0
	1730	,,	1006·3	1003·4	..	27·5	25·5	24·6	30·9	85	..	6·2	..	6·6	0	2	18	0	0	0	1	0	18	1	0	11	0
Kondul	0830	8	..	..	..	27·9	25·7	24.7	31·1	83	..	6·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	27·0	25·3	24·5	30·7	86	..	5·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Assam (Including NEFA)																											
Pasighat	0830	157	1007·3	989·6	..	25·1	22·5	21·1	25·1	80	..	6·3	..	7·7	0	3	22	2	4	0	1	1	2	1	14	6	0
	1730	,,	1008·2	985·7	..	27·2	24 0	22·5	27·3	77	..	5·9	..	4 5	0	0	18	1	1	0	2	1	1	2	10	13	0
Dibrugarh (Mohanbari)	0230	111	1004·9	992·2	..	22·6	21·7	21·3	25·3	92	..	6·0	..	4·1	0	0	19	1	11	2	0	0	2	1	2	12	0
	0530	,,	1005·6	992·9	..	22·5	21·7	21·3	25·3	93	..	6·2	..	4·2	0	0	21	3	11	4	0	0	1	0	2	10	0
	0830	,,	1007·2	994·6	−0.7	25·0	22·9	21·9	26·3	83	0	6·4	+1·0	7·7	0	0	31	1	13	9	1	3	1	2	1	0	0
	1130	,,	1006·0	993·6	..	27·5	23·9	22·2	26·7	73	..	6·2	..	7·4	0	1	28	5	8	9	2	0	1	0	3	2	1
	1430	,,	1003·3	990·9	..	28·7	24·1	21·9	26·3	67	..	5 8	..	7·7	0	1	29	2	11	5	1	0	3	2	6	1	0
	1730	,,	1002·8	990·4	..	27·4	23·8	22·1	26·6	73	..	5·4	..	5·2	0	0	19	3	11	1	1	1	0	0	2	12	0
	2030	,,	1004·8	992·2	..	24·6	23·0	22·2	26·7	87	..	4·7	..	3·8	0	0	17	3	10	1	1	0	0	1	1	14	0
	2330	,,	1005·2	992·6	..	23·7	22·5	21·9	26·3	90	..	5·5	..	3·0	0	0	15	1	8	1	1	0	1	1	2	16	0
Digboi	0830	152	1008·2	990·9	..	24·9	21·7	20·0	23·4	74	..	3·4	..	3·6	0	0	31	3	1	8	1	5	4	7	2	0	0
	1730	,,	1005·0	987·0	..	26·9	22·9	20·9	24·7	71	..	2·8	..	3·9	0	0	29	1	7	7	3	2	2	5	2	2	0
North Lakhimpur	0830	102	1007·5	995·9	+0·9	25·8	23·3	22·1	26·6	81	−4	6·2	−0·6	5·0	0	1	27	4	10	8	1	2	2	1	0	3	0
	1130	,,	1006·5	995·0	..	27·7	24·0	22·1	26·6	74	..	6·3	..	5·7	0	1	27	4	11	7	2	3	1	0	0	3	0
	1430	,,	1003·9	992·4	..	28·6	24·1	21·9	26·3	69	..	5·6	..	5·7	0	0	29	6	8	4	3	6	1	0	1	2	0
	1730	,,	1003·3	991·8	..	27·0	24·0	22·6	27·4	75	..	4·6	..	3·0	0	0	15	7	4	2	1	1	0	0	0	16	0
Sibsagar	0830	97	1007·5	996·6	0	25·5	23·5	22·5	27·3	85	+1	6·0	−0·3	3·0	0	0	23	12	9	0	1	0	1	0	0	8	0
	1730	,,	1003·2	992·4	..	28·2	24·4	22·6	27·4	72	..	5·4	..	3·2	0	0	21	9	7	0	1	2	1	0	1	10	0
Gohpur	0830	83	..	997·2	..	25·1	23·5	22·7	27·6	87	..	6·4	..	6·7	0	0	29	1	10	0	6	0	2	0	1	2	9
	1730	.	..	993.3	..	27·6	24·4	22·9	27·9	77	..	4·1	..	4 6	0	1	22	0	12	1	2	1	2	0	1	8	4
Majbat	0830	..	..	..	..	25·5	23·6	22·7	27·6	85	..	5·5	..	4·1	0	0	28	0	18	1	5	0	2	0	2	3	0
	1730	..	..	..	..	27·5	24·7	23·4	28·8	79	..	5·6	..	3.1	0	0	26	2	10	3	1	1	6	1	2	5	1
Jorhat (Aerodrome)	0530	90	1005·0	994·7	..	23·3	22·8	22·5	27·3	95	..	6·4	..	0 8	0	0	8	0	6	0	0	0	1	0	1	23	0
	0830	,,	006·8	996·7	..	25·7	23·7	22·7	27·6	84	..	6·5	..	1·4	0	0	25	5	17	2	0	1	0	0	0	6	0
	1130	,,	1005·7	995·6	..	27·8	24·6	23·1	28·3	76	..	6·1	..	1·4	0	0	26	3	14	3	2	1	0	0	2	5	0
	1730	,,	1002·4	992·4	..	27·4	24·2	22·7	27·6	75	..	4·8	..	1·3	0	0	17	2	11	2	1	0	0	1	0	14	0
	2330	,,	1004·8	994·6	..	24·0	23·3	22·9	27·9	94	..	5·3	..	1·1	0	0	9	2	7	0	0	0	0	0	0	22	0
Tezpur	0830	78	1006·7	997·7	..	25·4	23·5	22·5	27·3	86	..	1·6	..	1·4	0	0	17	0	0	0	14	0	3	0	0	14	0
	1730	,,	1003·5	994·8	..	27·2	24·9	23·9	29·7	82	..	(a) 1.0	..	(a) 0·9	0	0	10	0	0	0	10	0	0	0	0	20	0
Tezpur	0830	79	1007·3	998·4	−0·6	25·1	23·4	22·5	27·3	86	+5	6·5	+1·3	3·9	0	0	28	1	22	3	1	0	1	0	0	3	0
	1730	,,	1002·7	993·8	..	28·5	24·5	22·6	27·4	73	..	3·8	..	4·3	0	0	30	1	17	0	3	1	6	2	0	1	0
Goiaghat	0830	95	1007·1	996·2	..	25·3	23·4	22·3	26·9	85	..	5·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	1002·9	991·9	..	28·7	24·6	22·7	27·6	72	..	(c) 3·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rangia	0830	60	1007.4	1000.7	..	26·1	24·0	23·1	28·3	85	..	5·9	..	7·9	0	1	30	1	6	11	5	1	1	4	2	0	0
	1730	..	1003.2	996·6	..	28·8	25·0	23·3	28·6	73	..	3·9	..	4·9	0	0	29	0	6	12	2	0	1	6	1	2	0
Chaparmukh	0830	66	1008·6	1001·2	..	26·3	23·8	22·7	27·6	81	..	(a) 6·2	..	(a) 3·8	0	0	29	..	8	5	9	0	5	0	2	1	..
	1730	,,	1004·0	996·7	..	27·8	24·8	23·3	28·6	76	..	(a) 3·6	..	(a) 3·2	0	0	2	4	9	2	1	0	2	2	4	6	..

(a) Mean of 30 days. (c) Mean 28 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km.p.h): 62 or more	Wind speed (Km.p.h): 20 to 61	Wind speed (Km.p.h): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
North Assam (Including NEFA—(*Contd.*)																											
Goalpara . . .	0830	38	1005.4	1001·2	..	24·7	22·9	22·0	26·4	85	..	(b) 5·3	..	(b) 2.8	0	0	26	0	16	0	8	0	0	0	2	3	0
	1730	,,	1003·0	998·7	..	28·9	26·9	26·1	33·8	83	..	4·4	..	2·1	0	0	24	1	13	2	5	0	1	0	2	7	0
Gauhati . . .	0830	..	..	..	..	25·1	22·2	20·7	24·4	78	−1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gauhati (Bhorjor) .	0230	54	1003·6	997·4	..	24·1	23·0	22·5	27·3	91	..	5·1	..	6·8	0	1	22	8	8	2	0	2	1	0	2	8	0
	0530	,,	1004·8	998·6	..	23·5	22·5	22·0	26·4	89	..	6·0	..	5·7	0	0	25	4	7	4	1	4	2	1	2	6	0
	0830	,,	1006·7	1000·5	−0.3	25·9	23·6	22·5	27·3	82	+7	6·0	+1·0	8·6	0	1	29	7	10	1	2	5	3	1	1	1	0
	1130	,,	1005·1	999·1	..	28·5	24·5	22·6	27·4	71	..	5·0	..	9·1	0	1	29	16	7	1	3	0	1	1	1	1	0
	1430	,,	1002·8	996·7	..	29·6	25·0	22·9	27·9	68	..	4·3	..	9.3	0	1	30	12	7	0	0	0	3	5	4	0	0
	1730	,,	1002·1	996·0	..	28·5	24·5	22·6	27·4	71	..	4·3	..	8·0	0	0	28	5	9	4	0	2	2	1	5	3	0
	2030	,,	1004·2	998·0	..	26·2	24·3	23·5	28·9	85	..	3·4	..	4·7	0	1	16	1	7	6	1	0	1	0	1	14	0
	2330	,,	1004·5	998·4	..	24·8	23·5	22·9	27·9	89	..	4·6	..	5·7	0	2	17	0	9	2	2	0	4	0	2	12	0
Dhubri (Rupsi)	0530	45	1004·4	999·2	..	23·1	22·2	21·7	25·9	92	..	6·3	..	9·7	0	4	24	1	10	10	3	1	1	1	1	3	0
	0830	,,	1005·8	1000·8	..	25·9	23·6	22·5	27·3	83	..	5·0	..	9.4	0	1	28	1	8	16	3	1	0	0	0	2	0
	1130	,,	1005·0	999·9	..	28·9	25·0	23·3	28·6	72	..	4·1	..	8.5	0	2	28	0	6	17	3	2	1	1	0	1	0
	1730	,,	1001·4	996·4	..	29·4	25.8	24·2	30·2	73	..	3·3	..	7.2	0	1	28	0	9	9	5	2	2	2	0	2	0
Dhubri . . .	0830	35	1006·1	1002·2	−0.6	25·7	23·8	22·9	27·9	85	+3	4·0	−1.0	13·0	0	6	24	1	15	9	4	1	0	0	0	1	0
	1730	,,	1002·5	998·6	..	27·4	24·6	23·3	28·6	78	..	(a) 1·9	..	(a) 1·9	0	0	11	0	8	3	0	0	0	0	0	19	0
Lumding . .	0830	149	1006·9	990·1	..	25·9	23·9	23·0	28·1	84	+6	4·9	..	2.7	0	0	26	0	5	14	1	0	0	1	5	5	0
	1730	,,	1002·7	986·2	..	29·6	25·2	23·2	28·4	69	..	4·5	..	2·0	0	0	25	1	1	7	2	0	1	5	8	6	0
South Assam (Including Nagaland Manipur and Tripura)																											
Tura . . .	0830	370	1006·4	965.0	..	25·3	22·8	21·5	25·6	78	..	6·1	..	5·0	0	0	28	0	3	8	2	6	3	2	2	3	2
	1730	,,	1002·4	961·6	..	29·0	25·1	23·3	28·6	73	..	5·2	..	5·6	0	0	30	0	0	2	8	9	5	6	0	1	0
Haflong . . .	0830	682	1007 7	932·4	..	23·3	20·6	19·3	22·4	81	..	5·3	..	8·4	0	0	31	2	0	0	0	6	22	0	1	0	0
	1730	,,	1002·1	927·9	..	25·1	21·6	19·9	23·2	73	..	3·7	..	6.0	0	0	29	2	0	0	0	6	21	0	0	2	0
Silchar (Kumbhirgram)	0530	97	1004·2	993·3	..	23·8	22·5	21·9	26·3	86	..	5·2	..	8·6	1	1	26	2	3	21	1	1	0	0	0	3	0
	0830	,,	1005·5	994·6	..	26·7	23·8	22·5	27·3	78	..	5·3	..	7·4	0	1	28	1	0	17	2	5	1	3	0	2	0
	1130	,,	1004·4	993·5	..	29·5	24·7	22·5	27·3	67	..	5·1	..	8·8	0	1	29	1	3	6	4	3	7	5	1	1	0
	1730	,,	1001·3	990·5	..	28·7	24·7	22·9	27·9	71	..	3·2	..	4·4	0	1	17	0	2	5	0	3	0	7	1	13	0
Silchar . . .	0830	29	1006·9	1003·6	−0·7	27·5	24·7	23·4	28·8	79	−1	5·4	+0·4	1·3	0	0	20	2	3	2	4	2	4	2	1	11	0
	1730	,,	1002·7	999·5	..	29·8	25·3	23·2	28·4	69	..	3·9	..	1·1	0	0	16	2	5	1	0	2	1	3	2	15	0
Imphal (Tulihal) .	0530	781	1007·5	921·1	..	19·5	18·6	18·1	20·8	92	..	5·0	..	2·1	0	1	4	1	0	1	1	0	0	1	1	26	0
	0830	,,	1007·0	922·1	0	24·8	20·8	18·7	21·6	67	−7	5·3	−0·3	4·7	0	0	12	2	2	0	3	0	1	1	3	19	0
	1130	,,	1005·6	921.1	..	26·7	21·0	18·1	20·8	60	..	5·9	..	10·6	0	1	29	1	1	6	2	4	7	5	4	1	0
	1430	,,	1002·3	918·7	..	28·3	21·2	19·5	22·7	54	..	5·5	..	12·7	0	3	26	0	2	2	1	2	1	7	14	2	0
	1730	,,	1002·5	918·3	..	26·2	20·8	18·0	20·6	62	..	4·7	..	12·4	0	3	25	1	1	0	1	1	1	7	16	3	0
	2030	,,	1005·5	920·2	..	23·1	20·2	18·5	21·3	77	..	4·1	..	4·4	0	0	15	3	0	3	1	4	0	0	4	16	0
	2330	,,	1006·6	920·7	..	21·0	19.4	18·5	21·3	86	..	4·6	..	3·0	0	0	13	1	2	3	1	2	1	1	2	18	0
Kailashahar . .	0530	29	1005·5	1002·2	..	24·5	23·5	23·0	28.1	92	..	4·8	..	3·9	0	0	17	0	1	2	2	4	6	1	1	14	0
	0830	,,	1006·9	1003.7	..	27·7	24·8	23·5	28·9	79	..	4·9	..	6·7	0	1	28	2	4	3	0	10	9	0	1	2	0
	1130	,,	1005·8	1002·6	..	30·7	25·8	23·7	29·3	67	..	4·6	..	6·5	0	2	27	4	5	5	2	5	5	0	3	2	0
	1730	,,	1002·8	999·6	..	30·0	25·5	23·5	28·9	70	..	4·2	..	5·9	0	2	24	5	7	3	0	3	3	2	3	5	0
Agartala . . .	0230	16	1002·8	1001·2	..	25·6	24·5	24·0	29·8	90	..	4·1	..	10·8	0	5	20	2	1	1	11	10	0	0	0	6	0
	0530	,,	1003·7	1001.9	..	25·4	24·4	23·9	29·7	92	..	5·4	..	9·2	0	1	26	1	2	4	14	6	0	0	0	4	0
	0830	,,	1005·4	1003·6	+0·3	29·4	25·3	24·3	30·4	75	−2	5·2	−0·4	14·0	0	9	20	2	1	3	4	12	3	2	2	2	
	1130	,,	1004·4	1002.6	..	32·8	26·5	23·7	29·3	61	..	5·5	..	17·9	0	13	16	3	1	0	3	14	6	1	1	2	0
	1430	,,	1002·2	1000·4	..	32·7	26·4	23·7	29·3	60	..	5·4	..	15·2	0	5	26	3	2	1	2	14	2	5	2	0	0
	1730	,,	1001·5	999·7	..	30·5	25·8	23·8	29·5	68	..	4·3	..	13·9	0	6	22	3	1	2	1	15	4	2	0	3	0
	2030	,,	1003·5	1001·6	..	27·9	25·1	23·9	29·7	79	..	3·6	..	10·7	0	2	25	0	3	2	7	12	3	0	0	4	0
	2330	,,	1003·7	1001·9	..	26·4	24.7	23·9	29·7	87	..	4·3	..	10·6	0	3	25	0	3	2	8	14	0	1	0	3	0
Sub-Himalayan West Bengal																											
Baghdogra . .	0230	131	1003·2	988·3	..	24·1	22·2	21·3	25.3	83	..	4.6	..	12·8	0	3	27	4	12	10	0	0	0	4	0	1	0
	0530	,,	1004·0	989·1	..	23·8	22·0	21·1	25·0	84	..	5·3	..	10·0	0	2	26	1	10	14	1	0	0	0	2	3	0
	0830	,,	1005·6	990·9	+0.6	27·2	23·3	21·3	25·3	71	−3	5·0	−0·2	16·0	0	10	21	0	6	22	1	0	2	0	0	0	0
	1130	,,	1004·9	990.3	..	29·8	24·7	22·3	26·9	63	..	4·8	..	18·1	0	12	18	0	1	17	9	2	0	1	0	1	0
	1430	,,	1002·2	987·7	..	31·0	25·3	22·7	27·6	61	..	5·0	..	(c) 16·0	0	5	23	0	1	10	12	4	0	1	0	0	0
	1730	,,	1001·1	986·6	..	29·8	24·6	22·1	26·6	64	..	3·8	..	13·5	0	5	26	1	8	11	6	3	2	0	0	0	0
	2030	,,	1002·9	988·1	..	27·3	24·5	23·2	28·4	79	..	4·0	..	(c) 12·9	0	2	24	1	7	12	3	1	1	0	1	2	0
	2330	,,	1004·0	989·2	..	25·2	23·5	22·7	27·6	84	..	4·3	..	12·6	0	4	26	3	11	11	3	0	0	1	1	1	0

(a) Mean of 30 days. (b) Mean of 29 days. (c) Mean of 28 days.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Sub-Himalayan West Bengal—(*Contd.*)																											
Jalpaiguri	0830	83	1005·7	999·3	−0·8	25·9	23·3	20·0	26·4	79	0	3·6	−0.2	12·8	0	5	25	1	8	20	0	1	0	0	0	1	0
	1730	„	1001·1	991.9	..	29·9	25·9	22·9	27·9	67	..	2.3	..	10.4	0	2	29	1	3	19	3	5	0	0	0	0	0
Cooch Behar	0830	43	1006·1	1001·3	..	26·1	23·9	22·9	27·9	82	..	5.2	..	11.3	0	5	25	0	7	20	2	1	0	0	0	1	0
	1130	„	1005·2	1000·5	..	29·0	25·3	23·7	29.3	73	..	4.8	..	10.6	0	4	24	0	5	14	7	0	1	1	0	3	0
	1730	„	1001·7	996·9	..	29·0	25·5	23·9	29.7	75	..	3·3	..	5·9	0	3	15	0	11	7	0	0	0	0	0	13	0
Balurghat	0830	26	1004.6	1001.7	..	29.4	24·9	22.9	27.9	68	..	3·2	..	3·2	0	0	31	1	4	4	18	1	3	0	0	0	0
	1730	„	999.5	996.6	..	33.3	25·1	21·2	25.2	51	..	2·8	..	4·1	0	0	28	1	5	2	9	7	3	1	0	3	0
Malda	0830	31	1004.5	1001 0	−0·7	30.1	25·8	23·9	29·7	71	0	3·8	+0·4	3 6	0	0	28	0	2	9	9	3	3	1	1	3	0
	1730	„	999.5	996.1	..	34.8	26·2	22·3	26·9	51	..	3·0	..	3·5	0	0	27	0	4	7	7	4	1	0	4	4	0
ngal West Bengal																											
Berhampore	0830	19	1004·1	1002.0	−1·1	29·5	25·7	24.0	29·8	75	+2	3·2	−1·2	4·3	0	0	31	0	0	7	0	14	6	3	1	0	0
	1730	„	999·5	997.4	..	34·3	25·3	21·0	24·9	49	..	4.5	..	5·7	0	1	29	2	0	3	0	17	2	4	1	2	0
Suri	0830	..	..	..	..	31·7	24·9	21·7	25·9	57	..	2.6	..	4·1	0	0	31	2	0	10	1	13	1	3	1	0	0
Asansol	0230	126	1001.6	987.5	..	27·9	23·6	21·5	25·6	68	..	1.3	..	5·7	0	0	24	0	0	1	5	7	6	4	1	7	0
	0530	„	1002·6	988.4	.	26.8	23·3	21.5	25·6	74	..	2·7	.	4·6	0	0	25	0	1	2	7	6	3	4	2	6	0
	0830	„	1003·8	939.9	−0·1	33·0	24·9	21.0	24·9	51	−12	2.0	−1.1	7·2	0	0	29	1	2	0	2	10	5	6	3	2	0
	1130	„	1002·8	989·1	..	38·0	25·4	19.1	22.1	35	..	2·0	..	8·1	0	0	31	0	1	4	3	7	5	8	3	0	0
	1430	„	999·9	986·4	..	39.7	25·2	17·7	20·2	29	..	3·2	..	8·3	0	0	31	1	4	3	5	5	4	4	5	0	0
	1730	„	999·3	985.6	..	36·9	24·4	17·7	20·2	35	..	3.6	..	9·0	0	1	30	1	2	2	6	7	5	2	6	0	0
	2330	„	1002·4	988.4	..	29·8	23·7	20·7	24·4	59	..	2.1	..	9·5	0	3	25	1	1	1	4	10	7	3	1	3	0
Shanti Niketan	0830	59	1004·4	997·8	..	31·2	25·2	22 4	27.1	61	..	2·3	..	6·6	0	0	25	1	0	2	2	13	6	1	1	6	0
	1130	„	1003·8	997.3	..	36·2	25·1	19.6	22.8	40	..	1·9	..	4 9	0	0	28	1	2	0	4	4	11	3	3	3	0
	1730	„	999·7	993·2	..	36·3	24·1	17·5	20·0	35	..	3·7	..	7·0	0	0	27	2	3	1	2	12	3	2	2	4	0
Krishnanagar	0830	15	1004·1	1002·8	−0·5	30·8	26.4	24·5	30·7	70	−5	2·3	−1.7	3.9	0	0	25	0	0	2	5	18	0	0	0	6	0
	1730	„	1000·5	998·9	..	33·8	25·9	22·3	26·9	53	..	2·8	..	3·3	0	0	26	0	0	0	0	24	0	1	0	5	1
Purulia	0830	255	1003.9	976.0	+0·3	31·9	23.7	19·4	22·5	49	−3	2·1	−0.4	3·3	0	0	31	1	1	0	5	14	6	2	2	0	0
	1730	„	999·4	972·1	..	36·4	23·1	15·3	17·4	31	..	4.1	..	5·0	0	2	27	4	3	0	4	6	6	3	3	2	0
Bankura	0830	100	1003·5	992·5	..	31·4	26·0	23·6	29·1	64	..	1·9	..	2·1	0	0	20	0	1	0	2	3	10	1	1	11	2
	1730	„	999·2	988·3	..	36·9	26·3	21·4	25·5	43	..	3·3	..	2·5	0	0	17	0	2	0	4	1	3	0	0	14	7
Burdwan	0330	32	1004·2	1000·5	−0.6	31·1	26.6	24.7	31·1	69	−5	1.8	−2·4	2.4	0	0	24	0	1	1	7	6	9	0	0	7	0
	1730	„	999·8	996·3	..	34·4	26·4	22·8	27.7	52	..	3.3	..	5·0	0	0	25	0	2	9	3	10	0	1	0	6	0
Barrackpore (Aerodrome)	0530	7	1003·5	1002·7	..	26·8	25·5	24·9	31·5	90	..	3·9	..	7.1	0	0	23	0	0	0	4	13	6	0	0	8	0
	0830	„	1004·9	1004·2	+1·2	30·6	26·7	25·1	31·9	73	0	3·5	−0·4	11·5	0	4	24	0	1	6	3	15	8	1	0	3	0
	1130	„	1004.3	1003·5	..	34·3	27·0	23·9	29·7	56	..	3·3	..	10·9	0	1	30	0	1	2	5	19	1	2	1	0	0
	1730	„	1001·4	1000·7	..	31·8	25·9	23·3	28·6	62	..	3·5	..	12.9	0	3	28	2	1	1	2	22	3	0	0	0	0
	2330	„	1003·7	1002·9	..	27·8	25·7	24·7	31.1	83	..	2·2	..	10.5	0	3	26	1	1	0	5	17	5	0	0	2	0
Calcutta (Dum Dum)	0230	6	1002·1	1001·4	..	27 0	25·7	25.1	31.9	89	..	2·2	..	6·7	0	0	27	0	0	1	4	17	4	0	1	4	0
	0530	„	1002·9	1002·2	..	26·7	25·6	25.1	31·9	92	..	4·7	..	5·0	0	0	25	0	1	0	8	12	3	1	0	6	0
	0830	„	1004·5	1003·8	0	30·5	26·9	25·4	32·4	75	+1	4·2	−0·2	7·8	0	0	30	0	0	1	4	15	9	1	0	1	0
	1130	„	1003·8	1003·1	..	33·9	27.4	24·7	31·1	60	..	3·6	..	10.6	0	3	27	0	1	0	6	16	5	1	1	1	0
	1430	„	1001·4	1000.7	..	35.0	27.7	24·7	31·1	57	..	3·7	..	10·3	0	1	30	0	1	1	6	15	8	0	0	0	0
	1730	„	1000·8	1000.1	..	31·8	26·5	24·3	30·4	65	..	3·7	..	11.4	0	4	26	0	1	1	5	16	6	0	1	1	0
	2030	„	1002.9	1002·3	..	29·0	26·0	24·7	31·1	78	..	3·3	..	9.9	0	2	27	1	2	0	7	16	3	0	0	2	0
	2330	„	1003·2	1002.5	..	27·8	26·0	25·2	32.1	86	..	3·2	..	8·9	0	0	29	1	1	1	6	17	3	0	0	2	0
Calcutta	0830	6	1004·2	1003·5	−0.8	31·2	26·7	24·9	31·5	70	−4	3·7	−0.5	5·8	0	0	31	0	1	1	4	14	9	2	0	0	0
	1130	„	1003·5	1002.8	..	34·2	27·0	23·9	29.7	56	..	3·3	..	6.1	0	0	31	1	1	0	10	12	4	3	0	0	0
	1730	„	1000·5	999·8	..	32·1	26·2	23·7	29·3	62	..	3·3	..	9·4	0	1	30	0	1	1	8	16	5	0	0	0	0
Midnapore	0830	45	1003·8	998·8	−0·8	30·3	25·6	23·5	28.9	68	−1	1·9	−1.0	4·6	0	0	28	0	0	1	0	15	10	2	0	3	0
	1730	„	1000·3	995·3	..	34·3	26·1	22·4	27.1	51	..	3.4	..	7.7	0	1	30	2	1	0	1	24	1	0	0	0	2
Contai	0830	11	1004·5	1003·3	+0·5	30·5	27.5	26·3	34·2	79	+2	3·6	−0·5	14·2	0	9	22	1	0	2	4	8	14	2	0	0	0
	1730	„	1001.1	999·9	..	29·9	27·2	26.1	33·8	80	..	2.9	..	17.7	0	11	20	1	0	0	6	19	4	1	0	0	0
Sagar Island	0830	3	1004·3	1004 0	−0·7	29·8	27·5	26.6	34·8	84	+9	4·6	−0·4	25·2	0	19	12	0	1	0	4	8	16	1	1	0	0
	1730	„	1001·3	1001·0	..	29·8	27·4	26·5	34·6	83	..	3·9	..	27·8	1	22	8	1	0	1	7	14	7	1	0	0	0
Sandheads	0530	10	1002·9	1001·8	..	28·3	26·6	25·9	33·4	87	..	4.5	..	20·3	0	13	17	1	0	2	3	8	15	0	1	1	0
	0830	„	1004·5	1003·4	−0·8	30·2	27·3	26·1	33·8	79	0	3·8	0	18·9	0	12	18	0	2	1	4	6	16	1	0	1	0
	1130	„	1004·5	1003·4	..	31·1	27·6	26·3	34·2	76	..	3·8	..	17 8	1	10	18	0	2	1	3	5	17	1	0	2	0
	1730	„	1001·4	1000·3	..	29·9	27·0	25·9	33 4	80	.	3.6	..	24 1	1	19	10	1	0	2	4	10	13	0	0	1	0
	2330	„	1003·2	1002·1	..	28·5	26·7	26·0	33·6	86	..	..	..	2 5	0	17	14	0	0	2	4	6	17	0	2	0	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g. p. m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observation, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Orissa																											
Baripada	0830	54	1005·1	999·1	..	31·6	26·3	24·1	30·0	65	..	2·0	..	4·5	0	0	25	1	1	0	1	11	8	1	0	6	2
	1730	,,	1001·3	995·3	..	33·6	26·3	23·1	28·3	56	..	4·0	..	7·0	0	0	29	1	0	1	7	11	6	0	0	2	3
Jharsuguda	0230	230	1001·5	976·1	..	28·3	21·4	17·4	19·9	52	..	2·9	..	4·3	0	0	15	0	5	0	3	5	2	0	0	16	0
	0530	,,	1002·5	976·9	..	27·0	21·5	18·4	21·1	60	..	3·9	..	3·8	0	0	15	3	3	1	4	3	1	0	0	16	0
	0830	,,	1003·9	978·7	+0·5	32·1	23·0	18·0	20·6	44	—2	3·1	+0·6	6·8	0	0	27	3	2	3	7	5	4	0	3	4	0
	1130	,,	1002·7	977·9	..	37·3	23·3	15·1	17·1	28	..	2·9	..	9·6	0	3	24	3	0	4	1	7	3	5	4	4	0
	1730	,,	998·9	974·2	..	37·6	22·0	11·7	13·7	23	..	4·5	..	13·3	0	7	20	4	2	3	3	7	3	3	2	4	0
	2330	,,	1002·0	976·7	..	30·3	21·6	16·5	18·8	44	..	3·7	..	6·6	0	0	20	1	0	3	10	3	2	1	0	11	0
Keonjhargarh	0830	463	1004·5	954·2	..	29·3	24·2	22·0	26·4	66	..	2·1	..	2·1	0	0	28	7	3	3	4	4	2	4	1	3	0
	1730	,,	1000·0	950·6	..	33·8	25·0	21·2	25·0	50	..	2·9	..	1·4	0	0	22	3	3	0	2	3	1	7	3	9	0
Balasore	0830	20	1004·1	1001·9	—0·5	30·7	26·6	24·9	31·5	72	+2	3·7	+0·2	11·3	0	1	29	1	0	1	0	13	15	0	0	1	0
	1730	,,	1000·9	998·7	..	31·0	27·0	25·4	32·4	72	..	5·0	..	12·8	0	2	29	1	0	0	9	17	4	0	0	0	0
Sambalpur	0830	148	1004·2	987·8	—0·1	32·3	24·3	20·3	23·3	51	+3	2·1	—0·3	3·0	0	0	20	2	4	2	3	3	3	3	0	11	0
	1730	,,	1000·7	984·7	..	37·1	24·3	17·4	19·9	34	..	2·8	..	3.0	0	1	20	0	0	0	2	12	3	2	2	10	0
Angul	0830	139	1004·5	989·1	+0·1	30·8	24·8	22·0	26·4	58	—8	3·9	+0·4	2·8	0	0	27	5	1	12	1	3	0	5	0	4	0
	1730	,,	1000·0	984·9	..	36·0	24·2	17·9	20·5	36	..	6·3	..	4·3	0	0	28	1	1	2	6	9	2	5	2	3	0
Chandbali	0830	6	1004·8	1004·1	+0·2	30·9	26·7	24·9	31·5	75	+2	3·7	—1.0	5·4	0	0	24	0	1	4	7	5	6	0	1	7	0
	1730	,,	1001·7	1001·0	..	30·9	26·1	24·0	29·8	68	..	3·4	..	11·2	0	1	30	0	1	6	16	3	3	0	2	0	0
Bolangir	0830	190	1003·8	982·9	..	32·5	27·2	25·1	31·9	65	..	3·2	..	4·5	0	0	31	3	1	7	1	9	6	1	3	0	0
	1730	,,	999·2	978·7	..	37·9	29·2	25·9	33·4	48	..	4·6	..	5·0	0	0	31	7	6	5	2	4	2	2	3	0	0
Phulbani	0830	464	1002·2	951·8	..	29·9	23·3	20·3	23·8	56	..	1.8	..	0·6	0	0	6	2	0	2	0	1	0	1	0	25	0
	1730	,,	997 8	948·3	..	34·1	22·4	15·9	18·1	36	..	6·1	..	0·5	0	0	5	2	1	1	1	0	0	0	0	26	0
Cuttack	0830	27	1004·5	1001·7	—0·5	31·1	26·8	25·1	31·9	70	0	3·1	—0·8	5·9	0	0	17	0	1	1	0	6	7	2	0	14	0
	1730	,,	1001·0	998·1	..	33·8	26·5	23·3	28·6	55	..	4·7	..	12·1	0	4	26	0	5	3	7	8	6	1	0	1	0
Titlagarh	0830	211	1004·4	981·3	..	32·7	26·0	23·1	28·3	59	..	1·5	..	3·1	0	0	31	1	6	1	7	7	8	1	0	0	0
	1730	,,	1000·6	977·9	..	36·6	26·5	21·9	26·3	45	..	2·1	..	2·8	0	0	29	2	14	1	4	1	4	0	3	2	0
Bhubaneswar	0230	46	1002·8	997·6	..	28·0	25·9	25·1	31·9	83	..	2·7	..	11·0	0	5	21	1	1	2	2	8	12	0	0	5	0
	0530	,,	1003·1	997·9	..	27·4	25·6	24·8	31·3	86	..	3·6	..	9·5	0	5	17	0	3	1	0	6	12	0	0	9	0
	0830	,,	1004·7	999·6	+0·6	31·6	26·3	24·1	30·0	65	—3	3 0	—1·3	11·0	0	4	25	1	1	0	2	9	11	3	2	2	0
	1130	,,	1003·8	998·8	..	36·1	25·8	20·9	24·[illegible]	42	..	2·6	..	11·9	0	4	25	1	3	2	3	9	8	1	0	2	2
	1430	,,	1001·2	996·2	..	37·6	25·6	19·7	22·9	37	..	3·5	..	17·3	0	13	18	0	3	4	2	14	4	3	1	0	0
	1730	,,	1001·3	996·3	..	32·8	25·7	22·5	27·3	55	..	4 6	..	20·5	0	17	14	0	1	4	5	11	8	2	0	0	0
	2330	,,	1003·9	998·7	..	28·9	26·1	24·9	31·5	79	..	3·1	..	14·4	0	6	25	0	1	1	4	15	9	1	0	0	0
Puri	0830	6	1005·0	1004·3	—0·1	30·0	27·3	26·3	34·2	80	—1	4·5	+0·7	11·9	0	8	23	0	3	0	2	8	17	0	1	0	0
	1730	,,	1002·2	1001·5	..	29·9	27·3	26·3	34·2	82	..	4·8	..	17·6	0	12	19	0	1	0	9	6	13	1	1	0	0
Gopalpur	0530	17	1003·0	1001·1	..	27·1	25·5	24·8	31·3	88	..	4·0	..	6·5	0	2	15	1	0	0	0	1	14	0	1	14	0
	0830	,,	1004·7	1002·8	—0·3	29·6	26·6	25·4	32·4	78	—1	3·4	+1·0	6·7	0	1	24	2	0	0	1	7	15	0	0	6	0
	1130	,,	1004·4	1002·5	..	31·3	27·5	26·0	33·6	74	..	3·2	..	11·2	0	7	24	0	1	1	9	10	9	1	0	0	0
	1730	,,	1001·6	999 7	..	29·4	27·1	26·1	33·8	83	..	5·5	..	12·8	0	7	24	0	1	1	4	12	12	1	0	0	0
	2330	,,	1003·9	1002·0	..	28·2	26·4	25·7	33·0	86	..	4·1	..	10 5	0	5	20	0	1	0	2	7	14	0	1	6	
Koraput	0830	913	1480·7	906·8	—0·5	26·0	20·9	18·3	21·0	63	..	2·5	—0·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1460·7	904·1	..	30·3	21·0	15·9	18·1	45	..	5·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bihar Plateau																											
Dumka	0830	149	1003·8	977·4	—0·5	31·8	25·0	21·8	26·1	58	—4	1·2	—1·5	4·9	0	0	24	0	1	2	12	1	4	2	2	7	0
	1730	,,	999·0	982·9	..	36·2	24·3	18·0	20·6	37	..	2·3	..	5·6	0	0	26	0	3	4	10	3	3	3	0	5	0
Daltonganj	0830	221	1003·6	979·3	+0·2	33·3	21·8	14·7	16·7	33	—7	1·5	+0·1	2·5	0	0	19	4	2	1	1	0	4	2	4	12	1
	1730	,,	997·6	974·0	..	38·1	21·3	9·2	11·6	18	..	2·0	..	5·0	0	0	31	5	0	0	1	3	2	9	11	0	0
Hazaribagh	0830	611	1002·5	937·0	+0·1	31·7	20·0	12·9	14·9	33	—12	3·2	+0·8	8·8	0	0	30	1	0	0	2	5	11	5	6	1	0
	1730	,,	998·2	933·7	..	35·1	19·6	9·5	11·9	22	..	4·4	..	10·4	0	0	29	5	1	0	3	1	3	2	14	2	0
Dhanbad	0830	257	1003·1	974·9	..	31·7	23·2	18·7	21·6	48	..	1·2	..	2·9	0	0	27	0	2	0	11	0	6	4	4	4	0
	1730	,,	998·7	971·1	..	36·1	22·4	13·9	15·9	29	..	2·7	..	2·1	0	0	18	3	2	1	5	2	2	2	1	13	0
Ranchi	0830	655	1003·5	932·2	—0·5	25·8	20·3	17·3	19·7	59	+12	2·1	—0·1	1·4	0	0	22	1	3	7	0	3	0	0	8	9	0
	1730	,,	999·3	929·7	..	32·6	22·3	17·0	19·4	40	..	3·9	..	1·5	0	0	23	2	1	5	0	5	0	3	7	8	0
Ranchi Aerodrome	0530	652	1002·6	931·5	..	25·0	18·4	14·3	16·3	52	..	2·9	..	6·4	0	1	18	2	0	1	0	1	7	6	2	12	0
	0830	,,	1002·8	932·9	..	30·5	20·5	14·7	16·7	40	..	2·3	..	14·0	0	9	20	2	0	2	0	2	14	6	3	2	0
	1130	,,	1001·5	932·6	..	34·4	20·3	11·5	13·6	26	..	2·6	..	16·0	0	10	17	4	3	1	0	0	8	3	7	4	1
	1430	,,	998·7	930·4	..	36·2	20·0	9·0	11·5	20	..	4·1	..	19·2	0	6	22	4	3	5	0	0	2	5	8	3	1
	1730	,,	998·6	929·6	..	33·9	19·7	10·3	12·5	27	..	4·5	..	17·6	0	8	23	5	3	5	0	2	5	2	9	0	0

Sub-Division and station	Hours of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bihar Plateau—(*Contd.*)																												
Jamshedpur	0830	129	1003·2	989·0	−0·3	31·3	23·8	19·9	23·2	52	−6	1·8	−1·0	3·4	0	0	28	0	2	2	2	0	5	13	4	3	0
	1730	,,	998·4	984·5	..	37·4	22·5	13·1	15·1	26	..	3·6	..	4·8	0	1	26	1	2	4	5	2	4	6	3	4	0
Jamshedpur (P.B.O.)	0530	142	1002·7	986·7	..	26·4	22·4	20·3	23·8	69	..	2·6	..	2·4	0	0	17	0	1	2	1	4	2	0	7	14	0
	0830	,,	1003·9	988·2	..	31·8	23·9	19·9	23·2	50	..	2·3	..	4·4	0	0	22	0	1	0	2	9	8	2	0	9	0
	1130	,,	1002·7	987·3	..	36·7	24·2	17·5	20·0	34	..	2·1	..	6.5	0	0	27	0	1	1	2	3	10	2	8	4	0
	1430	,,	999·6	984·4	..	38·9	23·5	14·3	16·3	25	..	3·4	..	7·8	0	0	30	1	3	5	0	6	4	3	8	1	0
	1730	,,	999·0	983·7	..	36·6	22·9	14·7	16·7	29	..	4·4	..	8·5	0	2	26	2	1	6	4	4	1	5	5	3	0
	2330	,,	1002·4	986·7	..	29·6	23·1	19·7	22·9	56	..	2·3	..	4·5	0	0	21	0	4	9	1	3	1	3	0	10	0
Chaibasa	0830	226	1003·5	978·6	−0.3	32·1	22·9	17·8	20·4	44	−15	3·2	+0.7	3·4	0	0	25	0	2	0	3	1	15	0	4	6	0
	1730	,,	998·8	974·4	..	36·7	23·2	15·3	17·3	29	..	4·9	..	2·9	0	0	21	0	7	0	5	0	4	0	5	10	0
Bihar Plains																												
Motihari	0830	66	1003·8	996·4	−0·4	30·6	24·9	22·3	26·0	61	−2	(a) 0 8	−1.0	(a) 5·0	0	0	29	0	6	13	9	1	0	0	0	1	0
	1730	,,	998·4	991·2	..	35·4	24·6	19 1	22·1	39	..	0·3	..	2·2	0	0	15	0	2	3	2	0	0	3	5	16	0
Forbesganj	0830	61	1004·7	997·9	..	28·8	24·2	22·0	26·4	67	..	3 1	..	10·5	0	2	29	0	0	28	2	1	0	0	0	0	0
	1730	,,	999·9	993·2	..	33·4	25·2	21·3	25·3	50	..	1·4	..	5·3	0	0	29	0	0	26	0	0	0	3	0	2	0
Darbhanga	0830	49	1004·9	999·4	+0.3	30·7	25·2	22·7	27·6	62	−2	1·2	−1·2	9·7	0	0	27	0	5	22	0	0	0	0	0	4	0
	1730	,,	1000·5	995·0	..	35·7	26·1	21·7	25·9	47	..	0·9	..	4·9	0	1	13	1	5	7	0	0	0	0	1	17	0
Chapra	0830	58	1003·1	996·8	..	32·2	24·8	21·2	25·2	54	..	1·3	..	2·8	0	0	28	0	13	6	4	0	4	0	1	3	0
	1730	,,	998·7	992·4	..	38·9	25·9	19·5	22·7	34	..	0·6	..	3·2	0	0	25	4	2	4	2	0	2	5	6	6	0
Purnea	0830	38	1005·0	1000·7	−0·4	29·3	24·5	22·2	26·7	67	−5	2·1	−1·3	4·5	0	0	31	0	2	29	0	0	0	0	0	0	0
	1730	,,	1000.0	995·8	..	34·8	24·9	20·0	23·4	44	..	1·7	..	3·7	0	0	28	1	5	16	0	0	1	5	0	3	0
Patna	0830	53	1003·2	997·4	−0.7	31·1	24·0	20·5	24·1	55	−3	1·3	−0·5	8·4	0	0	31	2	13	11	2	0	0	3	0	0	0
	1730	,,	998·6	992·8	..	38·8	23·6	14·7	16·7	24	..	1·4	..	6·3	0	0	29	1	12	1	0	0	1	8	6	2	0
Patna Aerodrome	0530	60	1001·2	994·5	..	26·6	22·0	19·5	22·7	66	..	1·9	..	7·9	0	0	25	0	3	13	6	1	2	0	0	6	0
	0830	,,	1002·8	996·1	..	31·8	23·7	19·5	22·7	49	..	1·3	..	11·5	0	1	26	1	4	12	6	0	0	3	1	4	0
	1130	,,	1002·1	995·5	..	36·8	23·7	16·3	18·5	32	..	1·3	..	12·3	0	2	29	2	8	8	1	2	2	1	7	0	0
	1430	,,	999·4	992·9	..	39·8	23·2	12·9	14·9	20	.	2·0	..	14·8	1	8	18	2	4	5	0	0	0	6	10	4	0
	1730	,,	998·0	991 5	..	39·0	22·4	11·5	13·6	21	..	1·3	..	11·8	0	4	21	3	3	4	1	0	1	4	9	6	0
	2030	,,	1000·1	993·5	..	33·5	22·2	15·5	17 6	35	..	1·2	..	6·6	0	2	15	2	4	5	1	0	0	2	3	14	0
	2330	,,	1001·1	994·4	..	30·4	22·3	17·7	20·2	47	..	0·9	..	10·5	0	4	19	1	2	11	4	1	1	2	1	8	0
Bhagalpur	0530	49	1002·6	997·1	..	26·7	22·8	20·8	24·6	71	..	2·9	..	6·5	0	0	28	0	1	18	6	1	1	1	0	3	0
	0830	,,	1004.2	998·8	+0·6	31·9	24·8	21·3	25·3	55	−5	2·9	+0·2	7·9	0	1	29	0	2	14	7	3	1	2	1	1	0
	1130	,,	1003·4	998·1	..	37·0	25·3	19.5	22·7	37	..	3·3	..	7·5	0	0	31	1	2	12	9	3	2	0	2	0	0
	1730	,,	999·3	994·0	..	37·1	24·4	17·7	20·2	33	..	3·2	..	8·8	0	1	25	1	2	12	2	1	1	4	3	5	0
	2330	,,	1002·6	997·2	..	29·8	24·0	21·1	25·0	61	..	2·1	..	8·7	0	1	26	0	3	14	8	2	0	0	0	4	0
Sabaur	0830	37	1003·9	999.6	−0·4	31·1	24·8	21·9	26·3	59	−5	2·4	−1·4	9·5	0	1	30	3	2	17	4	0	0	3	2	0	0
	1730	,,	998·8	994·8	..	37·2	25·0	18 9	21·8	35	..	2·3	..	8·5	0	0	30	1	1	15	0	0	1	4	8	1	0
Jamui	0830	82	1002·9	993·9	..	34·4	26·1	22·3	26·9	51	..	0·5	..	1·3	0	0	28	1	2	12	5	1	2	2	3	3	0
	1730		998·3	989·5	.	38·3	26·3	20·7	24·4	37	..	0·6	..	1·7	0	0	30	3	1	5	2	1	0	7	11	1	0
Dehri	0830	107	1002·5	990·7	..	34 3	21·1	12·3	14·3	27	..	1·5	..	3·5	0	0	30	2	2	4	1	3	9	6	3	1	0
	1730	,,	998·1	986·6	..	39·7	22·0	9·6	11·9	18	..	2·3	..	5.2	0	0	31	1	7	3	1	0	0	15	4	0	0
Gaya	0230	116	1001·0	987·9	..	28·3	20·3	15 3	17·4	45	..	0·7	..	7.5	0	3	21	0	2	1	6	8	5	2	0	7	0
	0530	,,	1001.4	988.4	..	26·8	19·7	15·1	17·1	49	..	1·7	..	4·5	0	1	18	0	1	2	4	8	3	1	0	12	0
	0830	,,	1002·9	990.2	−0·1	34.8	22·8	15·8	17·9	34	−2	1·5	−0·1	8·9	0	2	24	1	1	4	2	2	7	7	2	5	0
	1130	,,	1002·2	989·7	..	39.6	23·7	14·3	16·3	24	..	1·3	..	14·6	0	10	19	5	3	3	1	0	2	8	7	2	0
	1730	,,	998·3	986·0	..	39.6	23·6	14·0	16·0	23	..	2·5	..	16·8	0	11	20	5	4	2	1	0	1	5	13	0	0
	2330	,,	1001·4	988·6	..	30·8	21·3	15·5	17·6	40	..	1·1	..	7·7	0	3	16	1	1	5	4	3	4	1	0	12	0
Uttar Pradesh (East)																												
Kheri (R)	0830	147																										
(R)	1730	,,																										
Bahraich	0830	124	1003·0	989·3	−0·3	31·2	22·3	17·5	20·0	44	−7	2·1	+0·9	5.5	0	5	24	0	1	18	0	0	0	6	4	2	0
	1730	,,	998·6	985·4	..	38·6	22.7	12·3	14·3	22	..	1·5	..	12·1	0	2	28	0	1	1	1	0	4	11	12	1	0
Nautanwa	0830	99	1002·4	991·3	..	31·1	23.2	19·2	22·2	49	..	1·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	998·1	988·0	..	39·2	22·3	11·9	13 9	22	..	1·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hardoi	0830	142	1003·2	987·3	+1·1	31·7	21·0	14·2	16·2	35	−8	1·0	−0·1	2.6	0	0	30	7	1	2	2	2	2	7	7	1	0
	1730	,,	999·5	984.2	..	38·9	22·3	11·7	13·7	21	..	0·8	..	5·0	0	1	30	5	1	1	1	0	4	11	8	0	0
Gonda	0830	110	1003·2	991·1	..	32·6	23·1	17·6	20·1	43	−4	0·8	−0·7	3·3	0	0	24	1	0	16	0	0	0	1	6	7	0
	1730	,,	999·0	987·2	..	38·5	24·0	15·7	17·8	27	..	0·8	..	3·8	0	0	28	2	0	0	0	0	0	5	21	3	0
Lucknow	0830	111	1002·0	989.8	−1·1	31·1	23·0	17·7	20·2	46	−3	1·5	+0·3	1·9	0	0	18	1	1	1	2	1	1	8	3	13	0
	1730	,,	998·3	986·3	..	38·8	23·8	14·0	15·9	25	..	1·8	..	4·1	0	0	28	0	1	3	0	0	3	15	6	3	0

(R) Register not received.

(a) Mean of 30 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs	Relative humidity %	Departure from normal	Cloudamount (Oktas): Mean amount	Cloudamount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Uttar Pradesh (East) —(*Contd.*)																											
Lucknow (Amausi)	0230	128	1000·6	986·3	..	26·3	17·8	10·8	12·9	38	..	1·2	..	3·0	0	0	18	3	1	1	2	0	0	7	4	13	0
	0530	,,	1001·1	986.7	..	25·1	17·3	11·2	13·3	43	..	1·8	..	2·3	0	0	18	2	1	2	0	0	3	5	5	13	0
	0830	,,	1002·6	988·5	−0.6	32·6	20·3	11.6	13·6	29	−7	1·6	+0·4	7·0	0	2	25	2	1	3	2	2	3	8	6	4	0
	1130	,,	1002·1	988.3	..	38·3	21·5	8·9	11·4	18	..	1·0	..	12·8	0	6	24	2	2	2	1	2	1	8	12	1	0
	1430	,,	999·8	986·1	..	40·4	21·7	7·3	10·2	14	..	1·8	..	15·4	0	14	17	2	0	0	0	3	4	7	15	0	0
	1730	,,	998·5	984·8	..	39·0	21·2	7·3	10·2	15	..	1·3	..	13·0	0	3	28	2	2	0	1	0	2	7	17	0	0
	2030	,,	1000·2	986·1	.	32·5	20·0	10·7	12·9	27	..	0·5	..	3·4	0	0	20	1	1	1	0	0	2	9	6	11	0
	2330	,,	1001·0	986·8	..	29·4	18·8	10·8	13·0	33	..	0·8	..	2·5	0	0	17	2	0	2	1	1	0	5	6	14	0
Faizabad	0830	102	1002·6	991·4	..	31·1	22·1	16·4	18·6	42	..	1·3	..	3·9	0	0	23	1	0	4	5	1	0	7	5	8	0
	1730	,,	999·0	988·0	..	37·3	22·9	13·9	15.9	25	..	1·5	..	5·0	0	0	26	3	0	0	1	0	0	20	2	5	0
Gorakhpur	1830	77	1003.4	994·8	−0 6	32·6	23·9	19·0	22·0	46	−12	1·1	−0·3	3·7	0	0	30	3	2	18	2	0	0	4	1	1	0
	1730	,,	998·6	990·2	..	38·6	24·0	15·4	17·5	29	..	1·0	..	4·0	0	0	31	3	2	2	0	0	0	17	7	0	0
Gorakhpur (P.B.O.)	2030	78	1000·3	991·5	..	29·7	20·9	15·6	17·7	46	..	0·7	..	3·5	0	1	18	2	5	5	1	0	0	5	1	12	0
	0530	,,	1001.5	992·7	..	27·4	20·7	17·1	19·5	53	..	1·0	..	3·0	0	0	19	3	4	6	1	1	0	2	2	12	0
	1130	,,	1002·6	994.1	..	36·2	23·7	17·7	20·2	37	..	1·0	..	4·8	0	0	30	1	3	5	8	7	0	4	2	1	0
	1430	,,	999·8	991·3	..	38·2	22·5	14·9	16·9	25	..	0·8	..	5·2	0	0	28	0	0	1	2	4	2	11	8	3	0
	2030	,,	1000·0	991·4	..	33·6	21·6	16·6	18.9	33	..	0·6	..	2·2	0	0	12	1	3	1	1	0	1	4	1	19	0
	2330	,,	1000·7	992·2	..	32·2	21·3	16.0	18.2	41	..	0.9	..	3·1	0	0	19	1	7	2	1	2	0	4	2	12	0
Kanpur	0830	126	1002·6	988·3	−0.8	31.1	21·2	15·0	17·0	38	+1	1.2	+0·5	7·7	0	0	29	2	2	2	1	2	2	15	3	2	0
	1730	,,	998·4	984·6	..	40.3	24.6	15·3	17·4	24	..	1.4	..	11·6	0	1	30	1	0	1	0	0	2	15	12	0	0
Kanpur (Aerodrome)	0530	126	1001·4	987·3	..	26·7	17.6	10·2	12·4	36	..	1.5	..	7·9	0	0	29	5	1	1	1	1	3	14	2	2	1
	0830	,,	1002·6	989·4	..	32.3	20.1	10·2	12.4	26	..	1.1	..	13·0	0	1	30	4	4	2	1	1	3	12	4	0	0
	1130	,,	1002·4	988·9	..	39.2	21.2	7·9	10·5	16	..	0·9	..	16·0	0	5	26	5	4	1	1	0	1	6	12	0	1
	1730	,,	998·9	984·9	..	39·9	21·1	5·9	9·3	13	..	1·5	..	15·0	0	2	29	6	0	0	1	0	3	7	14	0	0
	2330	,,	1001·1	987·2	..	31·0	19·2	10·1	12·3	28	..	1·3	..	8·6	0	0	28	10	0	0	2	0	1	5	9	3	1
Sultanpur	0830	97	1003·4	992·7	..	33·1	21.9	14·9	16·9	34	..	1·5	..	1·5	0	0	13	0	1	5	0	0	2	3	2	18	0
	1730	,,	998·8	988·1	..	39·5	22·6	11·1	13·2	19	..	1·0	..	3·1	0	0	25	0	3	0	0	0	0	12	10	6	0
Azamgarh	0830	78	1002·7	994·4	..	32·4	26·2	23·2	28·4	59	..	0·2	..	6·4	0	0	31	0	0	17	0	1	0	13	0	0	0
	1730	,,	998·6	990·2	..	39·6	28·3	23·3	28·6	42	..	0.4	..	8.2	0	0	26	3	0	1	0	0	0	22	0	5	0
Fatehpur	0830	114	1003·1	990·6	..	34·0	21·2	12·5	14·5	28	−16	0.7	−0·6	8.0	0	0	30	4	4	0	2	1	5	9	5	1	0
	1730	,,	998·8	986·6	..	40·1	22·5	10·5	12·7	17	..	1·0	..	13.5	0	6	25	5	2	1	0	1	2	4	16	0	0
Ballia	0830	64	1003·9	996·3	.	32·7	24.2	19.0	22·2	46	..	1·6	..	1·4	0	0	13	0	1	8	0	0	1	3	0	18	0
	1730	,,	999·2	992·2	..	38·3	25.8	19·2	22·2	34	.	1·0	..	1·9	0	0	18	1	1	2	0	0	0	13	1	13	0
Banda	0830	121	1003·7	990·7	..	34·2	20.8	11·6	13.7	27	..	1·0	..	2·0	0	0	23	0	2	0	1	0	11	6	3	8	0
	1730	..	999·2	986·2	..	40·5	22·3	9·2	11.6	16	..	1·2	..	3·0	0	0	29	1	0	0	0	0	9	0	19	2	0
Allahabad (Bamhrauli)	0230	98	1000·7	989·8	..	28·7	18·7	11·7	13·7	35	..	1·1	..	1·3	0	0	8	0	2	1	0	0	0	5	0	23	0
	0530	,,	1001·3	990·0	..	26·9	18·2	11 6	13·7	39	..	1·7	..	1·9	0	0	13	1	2	0	0	0	3	6	1	18	0
	0830	,,	1003·0	992·2	−0·5	33·6	20·7	11·5	13.6	27	−9	1·3	−0·1	4·8	0	0	24	2	2	3	1	1	3	9	3	7	0
	1130	,,	1002·3	991·8	..	40·4	22·3	9·5	11·9	17	.	1·1	..	7·4	0	0	30	7	0	1	0	0	3	13	6	1	0
	1430	,,	1000·0	989·6	..	41·4	22.5	7·7	10·5	14		2·0	..	10·3	0	4	27	5	1	1	0	1	0	14	9	0	0
	1730	,,	998·6	988 1	..	40.4	21·7	7·8	10·6	15	..	1·9	..	7·0	0	1	26	4	1	0	0	0	1	9	12	4	0
	2030	,,	1000·2	989·6	..	34·1	21·4	12·3	14·3	27	.	1·1	..	1·6	0	0	10	1	1	1	0	1	0	3	3	21	0
	2330	,,	1001·1	990·2	..	31·1	19·8	12·1	14.1	32	.	0·8	..	1·3	0	0	8	2	1	1	0	1	0	2	1	23	0
Varanasi (Babatpur)	0530	85	1002·3	992·5	..	26·7	18·6	12·6	14·6	43		1·5	..	4·1	0	2	13	0	2	3	0	0	2	7	1	16	0
	0830		1003·7	994·2	−1·1	33·3	21·0	12.1	14·1	30	−8	1·4	0	9·9	0	2	26	4	0	2	3	0	2	14	2	3	1
	1130	,,	1003·1	993·8	..	39·0	21·9	9·4	11·8	18	..	1.2	..	14.7	0	8	23	3	2	0	2	0	2	10	7	0	5
	1730	,,	999·5	990·2	..	39·7	21·4	6·8	9·9	15	..	1·4	..	14·9	0	8	22	3	2	0	1	0	1	10	12	1	1
	2330	,,	1002·0	992.5	..	31·5	19·2	9·5	11.9	27		1·2	..	4·6	0	1	12	1	1	3	0	0	1	6	1	18	0
Varanasi	0830	76	1002·5	994·3	−0·6	31·1	22·0	16·6	18·9	43	−2	1·3	−0·1	2·1	0	0	30	0	4	2	2	0	4	17	1	1	0
	1730	,,	998·3	990 1	..	39·6	23·9	14.7	16·9	26	.	1·1	..	2·9	0	0	29	3	2	0	1	0	0	18	5	2	0
Uttar Pradesh (West)																											
Mukhim	0830	..	..	..	..	18 6	11·8	6·1	9·4	46	..	2·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0
	1730	..	..	..	..	20·1	11·6	3·7	8·0	36	..	3·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0
Lehri	0830	..	..	..	..	22·3	15·8	11·0	13·1	51	.	2·4	..	2·0	0	0	20	8	6	3	0	0	0	3	0	11	0
	1130	..	..	..	..	29·8	17·9	9·2	11·6	30	..	2·6	..	3·7	0	0	27	9	6	3	1	2	1	3	2	4	0
	1730	..	..	..	..	31·7	18·0	8·0	10·7	23	..	3·4	..	5·3	0	4	23	2	0	0	2	8	4	7	4	4	0
Dehradun	0530	682	1003·9	928·1	..	20·7	15·2	10·9	13·0	54	..	2·4	..	0·8	0	0	4	1	3	0	0	0	0	0	0	27	0
	0830	,,	1003·1	929·0	−0·1	26.4	17·7	11·8	13·8	42	−2	1·5	−0·4	1·4	0	0	15	4	1	0	0	1	5	4	0	16	0
	1130	,,	1002·1	929·4	..	32·3	18·9	9·6	12·0	25	..	2·2	..	2·2	0	0	23	1	1	2	3	8	5	3	0	8	0

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g. p. m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in kms. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	4	25	26	27	28
Uttar Pradesh (West)—(Contd.)																											
Dehradun—(Contd.)	1730	682	998·8	926.5	..	32·6	18·9	9·2	11·6	24	..	2·8	..	2·6	0	0	26	3	1	0	2	6	3	9	2	5	0
	2330	,,	1003·3	928·8	..	24·4	16·8	11·2	13·3	45	..	1·5	..	1·6	0	0	16	11	3	0	0	1	0	1	0	15	0
Mussoorie	0830	..	..	..	..	18.3	9·6	0·7	6·4	31	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	16·9	9·8	3·0	7·6	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Roorkee	0830	274	1004·0	973·7	+0.8	28·9	19·1	11·9	13·9	36	—3	2·0	+0·7	0·5	0	0	9	0	0	0	1	0	0	0	8	22	0
	1730	,,	1000·7	971.1	..	35·5	21·5	12·0	14·0	26	..	2·4	..	1·0	0	0	17	0	1	0	0	0	1	0	15	14	0
Najibabad	0830	270	1003·4	973·5	..	28·9	20·6	15·2	17·3	44	..	1·5	..	2·0	0	0	17	0	2	4	1	0	2	7	1	14	0
	1730	,,	1000·2	971·1	..	36·2	22·6	13·2	15·2	27	..	2·4	..	4·6	0	1	26	0	0	2	0	0	0	20	5	4	0
Meerut	0830	222	1003·5	979·1	+0·7	31·0	21·2	14·7	16·7	37	—3	0	—1·2	5·8	0	0	30	2	4	5	1	0	0	11	7	1	0
Bareilly	0830	173	1002·8	983.4	—0·5	31·4	22·0	16·1	18·2	41	—5	0.6	—0·8	6·6	0	0	31	3	1	4	2	1	2	10	8	0	0
	1730	,,	998·8	980·2	..	38·4	23·6	14.0	15·9	27	..	1·2	..	4·6	0	0	31	4	4	3	1	1	1	15	2	0	0
Bareilly (F.B.O.)	0230	172	1000·6	981.4	..	28·1	18·1	11.6	13·6	37	..	1·1	..	4·4	0	0	29	5	1	4	0	0	0	12	7	2	0
	0530	,,	1001·2	982·0	..	26.1	17.6	12.0	14.0	43	..	1·5	..	4.0	0	0	27	1	2	3	1	0	0	14	6	4	0
	1130	,,	1002·4	983·6	..	36·1	20.6	11·2	13·3	24	..	1·0	..	7·6	0	1	29	1	3	3	3	0	3	8	9	1	0
	1430	,,	1000.2	981.5	..	38·3	20·8	9.9	12·2	19	..	1.7	..	8·0	0	0	31	0	0	2	4	0	2	13	9	0	1
	2030	,,	1000·4	981.4	..	32.9	19.4	10.6	12.8	27	..	0·5	..	5.0	0	0	31	3	0	4	1	0	1	20	2	0	0
	2330	,,	1001·1	981.9	..	30·1	18.8	11.5	13.6	33	..	0·5	..	5.1	0	0	29	4	1	5	0	0	0	14	5	2	0
Aligarh	0830	187	1003·5	982·3	..	31.0	20.1	12.4	14.3	33	+2	1.2	+0.5	4.2	0	0	30	4	1	2	0	2	2	10	9	1	0
	1730	,,	999·6	979·0	..	37.6	21·4	9·3	11·7	18	..	2.0	..	4·2	0	0	30	7	0	0	0	3	1	15	4	1	0
Mainpuri	0830	157	1002·8	985·5	0	32·9	22·0	15.7	17·8	36	—1	1.6	+0·2	2·9	0	0	21	2	0	2	2	0	3	1	9	10	2
	1730	,,	999·5	982·3	..	39·3	23·6	14.1	16.1	23	..	2.2	..	6·6	0	1	26	1	0	0	0	2	1	8	14	4	1
Agra	0830	169	1003·4	984·8	+0.3	32·1	20·2	12·7	14·7	32	+5	1·2	+0·1	1·0	0	0	3	0	1	0	0	0	1	0	1	28	0
	1730	,,	999.7	981·6	..	38·4	22·3	11·2	13·2	22	..	2.6	..	0·8	0	0	3	0	1	0	0	0	0	1	1	28	0
Agra (Aerodrome)	0530	169	1002·2	982·5	..	24.6	18·2	13·6	15·6	51	..	1.9	..	6·9	0	2	20	1	2	1	1	0	3	9	4	9	1
	0830	,,	1003.5	984·9	..	31·0	21·1	14·6	16·6	33	..	1·4	..	9·8	0	3	27	6	0	2	0	0	1	12	9	1	0
	1130	,,	1003.1	984·9	..	37·7	23·2	14·3	16·2	26	..	1.0	..	13·0	0	8	22	6	2	0	2	0	2	6	11	1	1
	1730	,,	999·5	981·3	.	38·1	22·5	12·0	14·0	22	..	2.4	..	13·5	0	3	26	5	3	0	1	1	1	3	15	2	0
	2330	,,	1002.0	983·2	..	28·8	20.2	14·3	16·2	42	..	1·6	..	7·6	0	3	17	10	2	1	0	0	0	1	6	11	0
Orai	0830	141	1003.7	988·2	..	34·9	22·1	13·8	15.8	28	..	0·6	..	3·0	0	0	31	3	5	0	1	0	2	0	20	0	0
	1730	,,	1000.7	985·5	..	38·4	22·3	11·5	13·6	21	..	0·2	..	2·3	0	0	29	2	1	0	0	0	1	0	25	2	0
Jhansi	0830	251	1002·8	976·2	+0.1	31.7	20·1	11·9	13·9	30	0	1·5	+0·3	1·4	0	0	16	2	0	2	0	4	0	8	0	15	0
	1730	,,	999.9	973·2	..	40·4	22·4	9·9	12·2	17	..	3·5	..	4·2	0	0	28	3	0	2	0	5	1	12	5	3	0
Punjab (Including Delhi)																											
Pathankot	0530	312	1002.8	967·7	..	23·1	16·2	10·4	12·6	47	..	2·1	..	8·3	0	3	20	3	14	4	1	0	1	0	0	8	0
	0830	,,	1003.6	969·1	+1.7	28·5	18·1	9·8	12·1	33	+8	2·0	—0 5	9·4	0	4	22	3	12	10	1	0	0	0	0	5	0
	1130	,,	1003·5	969·4	..	32·6	19·6	9·4	12.0	27	..	2·2	..	11·4	0	5	25	3	3	5	3	6	4	3	3	1	0
	1730	,,	1000.6	966·7	..	33·4	19·0	7·7	10.5	24	..	3·6	..	15·0	1	6	24	8	2	3	0	1	3	8	6	0	0
	2330	,,	1003·1	968·3	..	26·1	17 7	11·1	13·2	41	..	2·4	..	10·4	0	5	16	4	13	2	1	0	1	0	0	10	0
Bhuntar	0830	1096	1482.7	889·7	..	16·7	12·9	9·8	12·1	64	..	2·6	..	4·8	0	0	27	6	7	5	3	1	1	0	3	4	1
	1130	,,	1475·1	887·9	..	23.8	15·3	8·7	11·2	41	..	3·2	..	4·7	0	0	29	2	4	4	3	11	1	0	0	2	4
	1730	,,	1461·5	886·6	..	23·8	15·2	8·2	10·9	42	..	5·0	..	18.0	0	15	15	5	3	0	3	7	2	1	8	1	1
Amritsar (Rajasansi)	0530	23 4	1002·6	975·9	..	20·4	16·8	14·1	16·1	69	..	1·8	..	6.5	0	2	21	0	10	7	1	0	0	3	2	8	0
	0830	,,	1003·6	977·6	+1·6	27.6	19·6	14·2	16·2	45	+6	1.9	+0.2	9.2	0	3	23	0	8	8	1	2	1	1	5	5	0
	1130	,,	1003·3	977·8	..	33·5	21·1	12·7	14·7	30	..	1.8	..	9.3	0	4	21	1	1	5	4	2	2	1	9	6	0
	1430	,,	1001.8	976·1	..	35·6	20·8	10·0	12·3	23	..	2.7	..	13·0	0	5	26	3	1	2	1	2	2	8	12	0	0
	1730	,,	1000.5	975·0	..	34·4	20·2	9·5	11·9	24	..	2.7	..	13·7	0	5	25	1	2	2	1	0	2	9	13	1	0
	2030	,,	1001.9	975·9	..	27·7	19·5	14·0	16·0	44	..	2.6	..	9·0	0	3	24	3	3	3	1	0	2	10	5	4	0
Adampur (Aerodrome)	0830	249	1003.0	975·5	+1.6	28·1	20.1	14·7	16·7	46	..	2.4	..	8·3	0	2	23	3	3	7	3	1	0	4	3	6	1
	1730	,,	1000.4	973·3	..	33·5	20·8	12·1	14·1	29	..	3·4	..	20·2	0	10	21	3	2	1	1	2	3	9	10	0	0
Ludhiana	0830	247	1002.9	975 0	0·4	29·7	20·7	15·0	17·0	43	+5	2·1	+0·9	2·1	0	0	23	1	7	1	6	2	0	0	6	8	0
	1730	,,	999.7	973·0	..	35·3	22·5	14·7	16·7	31	..	2·4	..	4·4	0	0	30	2	7	0	2	0	3	2	14	1	0
Ferozepore	0830	200	1004.0	981·5	..	26·5	21·1	17·7	20·2	61	..	1·7	..	1·8	0	0	16	3	6	0	0	1	2	0	4	15	0
	1730	,,	1001.1	979·3	..	35·0	23·1	16·4	18·6	36	..	1·6	..	3·3	0	0	28	11	3	0	2	0	0	1	11	3	
Halwara (Aerodrome)	0830	242	1003.3	976·5	..	29·2	20·0	13·6	15·7	41	..	2·0	..	6·0	0	0	23	5	2	3	2	4	2	1	4	8	0
	1730	,,	1000.2	974·0	..	34·9	20·4	9·2	11·6	23	..	2·4	..	13·0	0	2	28	9	1	0	1	2	0	5	12	1	0
Chandigarh	0830	342	1002.2	964·1	+0.8	29·9	18·6	9·8	12·1	30	—2	1·6	+0·8	1·9	0	0	15	0	3	0	8	0	0	0	4	16	0
	1730	,,	999.9	961.7	..	34·4	20·9	11·0	13.1	27	..	1·8	..	3·2	0	0	27	0	2	0	9	0	0	0	16	4	0
Ambala	0830	272	1001.6	972.5	—0·2	28·3	20·2	14·8	16·8	45	+14	2.0	+0·7	0·4	0	0	4	0	1	0	1	0	0	1	1	27	0
	1730	,,	1000.6	971.1	..	34.5	23.8	17.8	20.3	40	..	0.9	..	3.0	0	0	24	0	4	0	11	0	2	0	7	7	0

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g. p. m. of nearest isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Kms. per hour	Wind speed (Km. p. h.): 62 or more	Wind speed (Km. p. h.): 20 to 61	Wind speed (Km. p. h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Punjab (Including Delhi)—(Contd.)																											
Ambala (P.B.O.)	0230	278	1001·3	970·3	..	26.9	20·2	16·6	18·9	55	..	1.8	..	6.0	0	0	22	4	0	4	1	0	3	1	9	9	0
	0530	,,	1001·5	970·5	..	25·7	19·2	15·5	17·6	55	..	2·5	..	5·0	0	1	16	4	0	3	1	0	1	2	6	14	0
	1130	,,	1002·4	972·2	..	34·9	23·9	19·3	22·2	42	..	2·3	..	6·7	0	2	19	0	3	1	2	1	1	4	9	10	0
	1430	,,	1000·7	970·7	..	36·4	24·0	19·1	22·0	38	..	2·9	..	10·8	0	0	26	3	0	1	3	0	6	4	9	5	0
	2030	,,	1001·1	970·7	..	31·9	22·1	17·5	20·0	45	..	2·6	..	8.9	0	3	24	6	2	1	1	0	2	6	9	4	0
	2330	,,	1001·9	971·1	..	28·8	21·4	17·3	19·7	51	..	2·3	..	9.0	0	0	29	8	0	4	2	1	0	1	13	2	0
Ambala (Aerodrome)	0530	274	1001·9	971·0	..	22.7	17·4	13·5	15·5	59	..	2.2	..	5.8	0	3	12	1	2	3	1	0	0	1	5	16	2
	0830	,,	1002·8	972·5	..	28·9	20·3	14·6	16·6	42	..	2·4	..	9·2	0	1	22	3	0	4	3	2	1	2	6	8	2
	1130	,,	1002·3	972·6	..	34·7	21·8	13·4	15·4	29	..	2·1	..	13·2	0	4	26	2	1	2	3	1	2	3	13	1	3
	1730	,,	999·4	969·8	..	35·0	21·8	13·0	15·0	29	..	2·5	..	16·5	0	7	22	2	2	1	2	1	0	4	16	2	1
	2330	,,	1002·0	971·4	..	26·0	18·6	13·2	15·2	49	..	2·1	..	10·0	0	2	18	3	2	0	4	1	1	2	7	11	0
Patiala	0830	251	1003·3	975·9	..	29·3	20·3	14·3	16·3	42	..	2·0	..	4.0	0	0	19	0	1	0	8	1	0	0	9	12	0
	1730	,,	1000·6	973·6	..	35·8	21.4	11·7	13·7	26	..	2·7	..	4·5	0	1	24	6	0	0	4	1	0	0	14	6	0
Bhatinda	0830	211	1003·3	980·1	..	29·2	24.4	22·0	26·4	66	..	0·5	..	4·6	0	3	15	0	3	0	6	0	1	0	8	13	0
	1730	,,	1000.2	977·2	..	35·9	26·5	21·9	26·3	48	..	1·8	..	(b) 5·0	0	1	22	2	4	0	2	0	1	0	14	6	0
Karnal	0830	249	1002·5	975·2	..	32·6	21·9	15·3	17·4	37	..	0	..	2·4	0	0	25	1	0	0	1	0	0	0	23	6	0
	1730	,,	999·2	972·3	..	35·6	22·7	14 8	16·8	30	..	0·3	..	2·5	0	0	25	0	0	0	0	0	0	0	25	6	0
Hissar	0530	221	1002·1	977·2	..	24·1	19·4	16·6	18·9	66	..	1·9	..	4·8	0	2	19	3	0	3	2	2	6	4	1	10	0
	0830	,,	1003·6	979·1	+0.6	29·1	22·2	18·3	21·0	54	+18	1·7	+0.7	3·7	0	0	24	2	1	1	2	2	11	4	1	7	0
	1130	,,	1003.1	979.1	..	35.7	25·1	19.1	22.1	41	..	1.5	..	7.8	0	1	26	3	0	1	2	2	2	10	7	4	0
	1730	,,	999.8	976.0	..	36.8	24·1	16.2	18.1	33	..	2.4	..	7.1	0	2	24	3	0	0	1	3	4	7	8	5	0
	2330	,,	1002.1	977.6	..	29·1	21.8	17·4	19·7	52	..	1·8	..	6·1	0	2	21	2	4	2	4	3	2	3	3	8	0
New Delhi (Safdarjang)	0230	216	1001.9	977.8	..	27·5	18.7	12·2	14·2	40	..	1·8	..	4·6	0	2	13	1	2	0	2	1	1	4	4	16	0
	0530	,,	1002.2	977.9	..	26·0	18·1	12·1	14·1	43	..	1·8	..	5·4	0	1	19	2	0	2	0	0	5	9	2	11	0
	0830	,,	1003·5	979·5	+0·4	29·9	19·7	12·1	14·1	35	+5	2·1	+1·0	8·5	0	1	27	1	3	1	2	0	7	9	5	3	0
	1130	,,	1003 2	979·7	..	35·8	21·3	10·8	12·9	23	..	2.1	..	11·1	0	5	21	1	0	1	1	0	3	7	13	5	0
	1430	,,	1001·1	977·7	..	37·8	21·6	10·1	12·3	20	..	3·3	..	15·7	0	8	20	1	0	1	3	0	3	7	13	3	0
	1730	,,	999·7	976·4	..	37·2	21·1	9·0	11·5	19	..	3·7	..	15·3	0	9	20	0	1	1	2	2	3	6	14	2	0
	2030	,,	1001·3	977·6	..	33·1	20·3	11.2	13·3	28	..	2·9	..	9·3	0	3	21	4	1	1	1	0	3	4	10	7	0
	2330	,,	1002·3	978·3	..	29·4	19·5	12·3	14·3	37	..	1.9	..	5·7	0	2	15	2	3	0	0	1	2	2	7	14	0
Palam (Aerodrome)	0230	233	1001·9	975.8	..	26·4	19·3	14·7	16·7	50	..	1·8	..	7·3	0	1	24	3	2	1	3	0	9	6	1	6	0
	0530	,,	1002·4	976·2	..	24.4	18.7	14·9	16.9	56		1.9	..	6.7	0	1	24	2	1	2	1	0	13	5	1	6	0
	0830	,,	1003·6	977.8	..	29·3	21·7	17.3	19·7	49	..	1·8	..	8·6	0	1	29	1	2	2	2	1	3	14	5	1	0
	1130	,,	1003·3	977·9	..	35·6	23·6	17·1	19·5	34	..	2·0	..	12·4	0	3	28	6	2	1	2	0	3	5	12	0	0
(R)	1430	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	999·6	974·5	..	37·2	24·2	17·1	19·5	32	..	3·2	..	17·5	0	8	23	6	1	2	1	1	5	4	11	0	0
(R)	2030	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2330	,,	1002·4	976·6	..	29·0	20·9	15·6	17·7	46	..	2·9	..	9·3	0	3	23	7	4	4	3	1	3	2	2	5	0
Himachal Pradesh Mandi	0830	761	1008·1	924·2	+3·5	20·5	15·9	12·5	14·5	62	+11	2·1	0	0·5	0	0	2	0	0	0	0	0	2	0	0	29	0
	1730	,,	1002·8	920·2	..	28·7	19·1	12·8	14·8	43	..	4·6	..	1·5	0	0	8	1	0	0	0	1	5	0	1	23	0
Bilaspur	0830	587	1005·8	941·5	..	24·3	17·2	12·3	14·3	47	..	1·6	..	1·9	0	0	12	0	0	1	1	2	5	1	2	19	0
	1730	,,	1001·8	938·9	..	32·2	19·0	9·6	11·9	29	..	2·7	..	3·1	0	0	19	2	4	0	0	2	2	6	3	12	0
Jammu and Kashmir Misgar (R)	0830	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(R)	1730	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gilgit (R)	0830	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(R)	1730	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Skardu (R)	0830	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(R)	1730	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Leh	0530	3514	3118·3	666·8	..	2·0	—1.5	—5·9	3·7	58	..	2·8	..	4·3	0	0	22	10	11	0	0	1	0	0	0	9	0
	0830	,,	3116·5	667·8	+0·5	8·9	3·6	—3·0	4·8	45	+7	3·3	—0·2	3·2	0	0	22	0	0	0	0	11	11	0	0	9	0
	1730	,,	3116·5	668·6	..	13·8	6·0	—2·7	4·9	32	..	3·6	..	4·1	0	0	31	0	2	1	1	6	12	2	7	0	0
Srinagar	0830	1587	1495·7	841·0	+0·8	14·2	11·2	8·9	11·5	72	—6	3.0	+0·1	2·6	0	0	21	1	0	8	7	1	0	1	3	10	0
	1130	,,	1491 2	840·7	..	18·2	13·1	9·2	11·6	58	..	3·6	..	3·1	0	0	27	4	2	4	1	5	1	2	8	4	0
	1430	,,	1478·4	839·9	..	20·5	14·1	9.8	12·1	55	..	4·3	..	(a) 4·2	0	0	27	1	3	0	3	2	0	2	16	3	0
	1730	,,	1475·2	838·9	..	18·5	13·4	8·4	11·2	52	..	4·9	..	5·7	0	1	25	7	2	1	2	0	1	4	9	5	0
	2030	,,	1481.1	839.7	..	16.3	12·0	8.7	11·3	63	..	4·1	..	2·8	0	0	17	2	0	2	1	2	1	1	8	14	0
Srinagar (Aerodrome)	0530	1666	1477.6	831.5	..	10·8	8·9	7·3	10·2	83	..	3.2	..	2·9	0	0	14	0	0	0	2	4	7	1	0	17	0
	0830	,,	1486·3	832.5	..	14.0	10·4	8.6	11.2	69	..	3.3	..	4.1	0	0	21	2	5	2	6	0	1	1	4	10	0

(a) Mean of 30 days. (b) Mean of 29 days. (R) Register not received.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g. p. m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed K per hour	Wind speed (Km. p. h.): 62 or more	Wind speed (Km. p. h.): 20 to 61	Wind speed (Km. p. h.): 1 to 19	No. of observations, Wind direction: NE	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Jammu & Kashmir (*Contd*).																											
Srinagar (Aerodrome) (*Contd.*)	1130	1666	1483·0	832·4	..	17·6	12·8	9·3	11·7	61	..	3·6	..	5·1	0	0	23	4	9	1	2	0	0	0	7	8	0
	1730	,,	1462·4	830·3	..	19·3	12.9	8.0	10.7	52	..	5.4	..	9·2	0	1	25	4	1	1	1	2	0	2	15	5	0
	2330	,,	1480·2	831·9	..	13·2	10·5	8.1	10.8	69	..	3.1	..	1·9	0	0	9	0	2	1	0	0	3	1	2	22	0
Gulmarg . . .	0830	2655																									
	1730	,,																									
						Closed during winter months.																					
Qazigund . . .	0830	1690	..	..	..	13.5	10·8	8·5	11·2	72	..	3·0	..	0·9	0	0	7	0	1	0	1	0	0	3	2	24	0
	1730	,,	..	..	..	18·5	13·0	8·8	11·3	56	..	5·7	..	4·3	0	0	25	0	1	1	5	2	5	6	5	6	0
Banihal . . .	0830	,,	..	..	..	15·7	11·2	7·5	10·4	60	..	2·4	..	3·8	0	1	9	0	0	0	0	0	0	0	10	21	0
	1730	,,	..	..	..	19·9	12·7	7·5	10·4	47	..	5·7	..	7·8	0	0	24	1	0	0	0	2	0	0	21	7	0
Jammu . . .	0830	,,	..	..	..	26·2	20·2	16·5	18·8	55	+21	1·8	0	6·4	0	0	28	5	10	1	0	0	0	0	0	3	12
	1730	,,	..	..	..	32 3	21·2	13·7	15·7	34	..	0·8	..	6·8	0	0	31	..	..	..	..	..	..	..	..	..	..
Jammu (Aerodrome)	0530	292	1002·6	969.6	..	23·5	17·3	12·2	14·2	50	..	2·2	..	7.6	0	0	24	3	19	1	0	0	0	0	1	7	0
	0830	,,	1003·7	971·0	..	27.4	19 4	14·0	16.0	46	..	2·1	..	6·9	0	0	23	9	9	1	1	0	2	1	0	8	0
	1130	,,	1003·4	971·3	..	31·5	20·7	13·2	15·2	36	..	2·6	..	7·0	0	2	17	0	4	2	2	2	3	4	2	12	0
	1730	,,	1000·7	968·7	..	33.1	20·9	12·6	14·6	32	..	3·4	..	11·3	0	2	28	1	5	1	1	0	2	18	2	1	0
	2330	,,	1002.4	970·3	..	26.2	18.8	13·3	15·3	47	..	2·4	..	6·4	0	4	10	1	13	0	0	0	0	0	0	17	0
Rajasthan (West)																											
Ganganagar . .	0530	177	1002.1	982.1	..	23.5	17·6	13·1	15·1	55	..	1·0	..	1·4	0	1	7	1	3	3	1	0	0	0	0	23	0
	0830	,,	1003·1	932·5	+0·4	28·7	19.5	13·2	15.2	42	+9	0·8	−0.2	3·5	0	1	20	2	1	3	1	7	2	3	2	10	0
	1130	,,	1002·6	983·4	..	35·9	21·3	11.0	13·1	24	..	1.5	..	3·0	0	0	27	3	2	3	3	6	1	6	3	4	0
	1730	,,	999.4	980·4	..	37·8	21·6	9·4	11.8	19	..	2·0	..	4.0	0	0	22	2	1	0	0	2	3	3	11	9	0
	2330	,,	1001·6	932·3	..	28·5	19·3	12.7	14.7	39	..	0.7	..	2.3	0	1	10	0	2	4	2	0	1	1	1	20	0
Anupgarh (R) .	0830	154																									
(R)	1730	,,																									
Mahajan . . .	0830	187	1001·9	981.3	..	31.5	24·6	20·9	24.7	57	..	0·8	..	(a) 7.7	0	4	22	0	0	1	5	0	12	7	1	4	0
	1730	,,	997·6	977·4	..	37·6	26·6	20.9	24.7	41	..	0.9	..	8.8	0	3	28	0	2	2	1	4	9	10	3	0	0
Churu . . .	0830	291	1003·9	971·8	..	29·6	19·8	12.3	14.3	38	..	(b) 0·9	..	12.0	0	7	21	2	0	1	1	4	3	15	2	3	0
	1730	,,	999.5	968·3	..	37·3	19·5	2·9	7.5	13	..	(a) 2·7	..	15·0	0	8	22	3	1	0	0	3	4	10	9	1	0
Bikaner . . .	0830	224	1003·7	978·4	+0·1	29·7	18.9	10·5	12.7	31	−1	0.2	−0.7	6·5	0	0	31	3	1	3	2	4	12	3	3	0	0
	1730	,,	999·3	975·3	..	39·3	20.5	4·6	8·5	13	..	0·3	..	9·9	0	3	28	1	1	0	0	1	11	8	9	0	0
Bikaner (P. B. O.) .	0530	224	1002·6	977·7	..	26·2	18.0	12.1	14·2	42	..	1·1	..	3·2	0	0	19	0	0	0	0	4	10	4	1	12	0
	1130	,,	1003.3	978·9	..	36·5	21·2	9.8	12.2	21	..	1·2	..	7·6	0	1	28	3	1	0	2	3	13	3	2	2	2
	2330	,,	1002.0	976.8	..	32·1	19·5	9·8	12.2	27	..	1·7	..	6.8	0	0	19	6	2	0	2	0	7	2	0	12	0
Nagaur . . .	0830	298	1004.0	971·3	..	31·7	20·5	13·6	15·6	33	..	0·5	..	8.0	0	1	30	3	3	3	0	6	10	5	1	0	0
	1730	,,	999·5	967·6	..	38·1	21·3	8.9	11·3	18	..	2·1	..	10·5	0	3	28	3	0	0	1	4	10	9	4	0	0
Phalodi . . .	0830	234	1004·2	978·2	..	28·9	21.3	16·2	18.4	48	..	0·4	..	16·8	0	11	20	2	2	1	3	4	15	3	1	0	0
	1730	,,	1000·7	975·6	..	38.9	24·2	15.8	17.9	27	..	1.7	..	19·3	0	12	19	2	0	0	1	3	14	8	3	0	0
Jaisalmer . . .	0830	242	1003·5	976·8	..	28 9	20·4	15.0	17·0	47	..	1·0	..	16·5	0	10	20	1	1	3	1	13	10	1	0	1	0
	1730	,,	998·9	973·0	..	38·9	22·3	10·9	13·0	19	..	2·5	..	14·9	0	7	24	5	1	0	1	9	11	0	4	0	0
Jodhpur . . .	0230	224	1002·6	977·8	..	29·6	19·5	11·8	13·8	35	..	1·0	..	10.2	0	5	23	2	4	0	0	1	10	9	2	3	0
	0530	,,	1003·4	978·6	..	27·5	19·5	14·0	16·0	45	..	1·3	..	8·5	0	3	22	2	4	0	1	1	10	7	0	6	0
	0830	,,	1005·2	980·3	+2·1	29·7	20.9	15·0	17.0	43	+1	1·0	0	10·1	0	0	26	1	3	2	2	2	12	4	0	5	0
	1130	,,	1004.3	979.9	..	35·6	20·5	18.7	15.6	29	..	1·0	..	13.0	0	4	25	0	0	2	1	2	15	9	0	2	0
	1430	,,	1001·9	977·9	..	39.2	23·0	11.2	13.2	20	..	1·5	..	15.0	0	8	23	0	0	1	0	1	11	13	5	0	0
	1730	,,	1000.3	976·1	..	38·7	21·9	9.2	11·6	20	..	2·2	..	13.1	0	6	23	1	1	0	0	1	11	12	3	2	0
	2030	,,	1001·6	977·2	..	35·6	21.1	10·3	12 5	23	..	1·5	..	10·0	0	2	28	2	0	0	0	2	13	9	4	1	0
	2330	,,	1002·9	978·2	..	32·3	19·8	11.1	13·2	29	..	1·1	..	10·0	0	5	25	4	2	0	0	0	11	10	3	1	0
Barmer . .	0530	194	1002·6	980·9	..	27·3	23·9	21·8	26·1	74	..	0·8	..	9·5	0	6	20	0	1	1	1	0	11	7	5	5	1
	0830	,,	1004·2	982·6	+0·4	29·2	25·0	22·8	27·7	70	+9	0·9	+0 2	7.0	0	0	26	0	1	0	0	2	15	3	3	5	2
	1130	,,	1003·8	982·6	..	35·5	26·6	22.2	27·0	49	..	0·8	..	7·7	0	2	27	0	1	1	3	5	12	4	2	2	1
	1730	,,	999·9	979·0	..	38·8	28·0	23·0	27·9	44	..	1·6	..	8·6	0	2	26	0	0	0	1	4	12	7	4	3	0
	2330	,,	1002·5	981·1	..	32·7	25·4	21·7	26·0	54	..	0.6	..	11·9	0	5	25	0	1	0	1	1	7	12	8	1	0
*Erinpura (Jawai Dam)	0830	295	1005·5	972·8	..	29·7	23.4	20·2	23·7	58	..	1·3	..	3·2	0	0	14	0	0	0	0	9	5	0	0	17	0
	1730	,,	1001.1	969·4	..	36·8	27·4	23·1	28·3	47	..	1·2	..	6.7	0	1	23	1	0	1	0	2	2	17	1	7	0
Munabao	0830	80	(m) 1005·4	(m) 966·2	..	28.3	..	..	..	..	..	0·2	..	(m) 9.6	0	0	18	0	1	1	0	3	13	0	0	0	0
	1730	,,	(i) 1000·7	(i) 992·1	..	(i) 39·2	..	..	..	..	..	0	..	(l) 11·0	0	0	18	1	1	0	0	1	13	1	1	1	0
Rajasthan (East)																											
Pilani . . .	0830	301	1004.0	970·9	..	29·3	19.5	12.3	14·3	37	..	0.9	..	12·0	0	6	25	0	2	1	4	2	6	14	2	0	0
	1730	,,	1000.0	967·7	..	36·1	19.6	5·0	8·7	16	..	2.6	..	10·0	0	7	24	7	2	0	0	1	4	6	11	0	0

(i) Mean of 22 days. (R) Register not received. (a) Mean of 30 days. (b) Mean of 29 days. (m) Mean of 18 days. (l) Mean of 19 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	V
1	2	3	4	5	6	7	8	9	1	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Rajasthan (Fasc)—(Contd.)																											
Sikar	0830	433	1003.6	956·4	..	29.6	20.7	15·1	17·2	43	..	0.9	..	2·3	0	0	14	0	0	0	4	0	0	8	2	17	0
	1730	,,	1000·2	954.2	..	36.6	20·5	8·5	11·1	18	..	2.3	..	4·0	0	0	30	1	5	0	2	0	1	11	10	1	0
Alwar	0830	271	1002·4	972.7	..	31.6	23 2	18·6	21·4	48	..	(a) 1.9	..	1·7	0	0	18	3	1	3	0	2	1	4	2	13	2
	1730	,,	999·2	970·2	..	36·9	24·3	17·0	19.4	32	..	(a) 3·7	..	3·3	0	0	26	8	1	2	2	1	4	2	4	5	2
Jaipur (Sanganer)	0230	390	1003·3	960·9	..	27·1	17·0	8·0	10.7	34	..	1·5	..	4·0	0	1	17	5	3	1	0	0	1	0	8	13	0
	0530	,,	1002·6	959·3	..	25·7	16·7	9·1	11·5	36	..	1·8	..	3·2	0	1	16	3	2	2	0	0	0	2	8	14	0
	0830	,,	1003·6	961·0	−0·5	30·7	19·4	10·8	12·9	31	−6	2·2	+1·2	6·6	0	1	22	3	2	1	1	0	2	6	8	8	0
	1130	,,	1002·8	960·9	..	35·8	20·2	7·6	10·4	19	..	1·5	..	11·0	0	5	24	0	0	0	0	3	3	12	10	2	1
	1430	,,	1000·3	958·8	..	38·3	20·1	4·3	8·3	13	..	2·4	..	15·0	0	6	25	1	0	0	0	1	2	11	16	0	0
	1730	,,	999·1	957·6	..	37·0	19·4	3·7	8·0	14	..	2·9	..	14·1	0	6	25	2	1	0	0	0	5	11	12	0	0
	2030	,,	1000·8	958·6	..	32·4	18·9	7·8	10·6	23	..	2·5	..	2·7	0	0	18	5	1	0	0	0	2	3	7	13	0
	2330	,,	1002·2	959·5	..	29·5	18·0	8·2	10·9	27	..	1·6		3·0	0	0	24	6	4	1	0	0	2	4	7	7	0
Dholpur	0830	176	1003·1	983·8	..	33·1	24·6	20·3	23·8	48	..	0·4	..	3·1	0	0	17	3	1	1	0	1	1	7	3	14	0
	1730	,,	998·7	979·8	..	39·2	27·1	21·1	25·0	37	..	1·6	..	7·2	0	1	26	4	2	0	0	0	2	10	9	4	0
Ajmer	0830	486	1004·1	951.3	−0·2	29·9	18·5	10·3	12·5	31	−8	1·2	+0·2	12·0	0	7	21	0	4	0	2	2	12	6	2	3	0
	1730	,,	999·6	948·1	..	37·2	18·8	3.9	8·1	13	..	2·7	..	12·4	0	2	29	0	1	0	1	1	8	15	5	0	0
Tonk	0830	272	1003·0	973·2	..	31·3	24·2	20·3	23·8	54	..	1·7	..	6·0	0	0	31	1	2	2	3	2	5	9	7	0	0
	1730	,,	998·5	969·4	..	37·3	27·0	22·2	26·7	44	..	3·2	..	9·0	0	0	31	0	2	1	0	1	11	10	6	0	0
Bhilwara	0830	425	1004·5	958·2	..	30·9	18·7	8·4	11·0	27	..	1·8	..	10·0	0	3	29	5	3	0	0	3	12	4	3	1	0
	1730	,,	1000·2	955·0	..	37·4	19·4	2·8	7·5	13	..	3·4	..	12·0	0	3	28	4	0	0	0	3	7	7	10	0	0
Kota	0830	257	1003·8	975·8	−0·1	33·5	21·2	13·0	15·0	30	+1	1.2	+0·3	9·0	0	4	15	1	0	0	0	0	1	5	12	12	0
	1730	,,	999·8	972·3	..	38·1	21·9	10·5	12·7	20	..	3·5	..	10 0	0	2	23	1	3	1	0	0	5	3	12	6	0
Kota (Aerodrome)	0530	274	1003·0	972·7	..	29·3	17·7	7·3	10·2	27	..	1·2	..	9·1	0	3	25	1	1	1	0	0	7	14	4	3	0
	0830	,,	1004·4	974·4	..	32·8	19·3	8·1	10·8	23	..	1 2	..	11.2	0	4	26	3	0	2	2	0	3	16	4	1	0
	1130	,,	1003·8	974·3	..	37·3	20·0	4·7	8·7	14	..	1·2	..	13·1	0	4	27	0	2	1	0	0	4	15	9	0	0
	1730	,,	999·9	970·7	..	39·5	19·9	2·0	7·1	11	..	2·9	..	12·9	0	4	26	3	3	0	1	1	7	7	8	1	0
	2330	,,	1002·7	972·8	..	32.7	18·3	5·1	9·1	19	..	1·0	..	10·9	0	3	24	1	0	0	0	2	7	13	4	4	0
Chambal (Rawst Bhatta Dam)	0830	351	1004·6	966·3	..	31·7	21·0	13·9	15·9	35	..	0·8	..	7·0	0	2	20	3	0	0	0	0	8	3	8	9	0
	1730	,,	1000·3	962·7	..	38 0	21·9	10·5	12·7	21	..	2·7	..	13.0	0	5	26	4	3	0	0	2	8	4	10	0	0
Udaipur	0230	582	1003.9	940·4	..	27·0	17·8	11·3	13·4	39	..	1·0	..	2·3	0	0	11	0	0	0	0	2	4	3	2	20	0
	0530	,,	1004·4	940·4	..	25·0	17·4	12·0	14·0	45	..	0·9	..	1.2	0	0	6	0	0	0	1	1	3	1	0	25	0
	0830	,,	1004·9	941·9	−0.2	30 0	19·3	12.0	14·0	35	−10	1·0	+0·6	1·9	0	0	9	1	1	0	0	1	4	1	1	22	0
	1130	,,	1003·9	942·0	..	35·1	19·9	9·5	11·9	22	..	1·2	..	5·9	0	0	24	0	1	1	1	4	8	3	4	7	2
	1730	,,	1000·9	939·3	..	35·7	19·8	8·6	11·2	20	..	2·0	..	7·9	0	3	24	3	2	0	0	3	8	6	5	4	0
	2330	,,	1004·1	940·8	..	28·4	18·2	10·9	13.0	35	..	0·5	..	2.7	0	0	10	0	0	0	0	1	2	6	1	21	0
Jhalawar	0830	321	1003·8	968·0	−0·7	32·8	20·7	12·0	14·0	31	−12	1·0	+0·2	8.0	0	4	26	3	3	2	1	0	6	9	6	1	0
	1730	,,	999·2	965·1	..	38·3	21·6	9.2	11·6	18	..	3·3	..	11·0	0	5	26	2	2	1	1	2	6	11	6	0	0
Banswara	0830	220	1006·1	982·0	..	30·1	21·2	15·3	17·7	42	..	0	..	(a) 7·3	0	0	27	0	0	1	2	1	19	3	1	3	0
	1730	,,	1000·9	977·2	..	38·9	21·8	10.2	12·4	18	..	0	..	(a) 8·5	0	2	24	1	0	0	0	1	8	9	7	4	0
Madhya Pradesh (West)																											
Gwalior	0230	207	1001·6	978·7	..	28·8	17·9	9·2	11·5	30	..	1·4	..	5.1	0	1	20	2	2	0	2	0	3	7	5	10	0
	0530	,,	1002·2	979·1	..	27·6	17·4	8·9	11.6	32	..	2·0	..	3·9	0	0	23	2	1	1	2	2	6	6	3	8	0
	0830	,,	1003·5	980·8	+1·1	33·8	19·9	9·3	11·9	23	−1	1·6	+0·7	8·7	0	1	28	5	2	0	3	2	2	5	10	2	0
	1130	,,	1003·0	980·7	..	38·4	21·1	7·9	10·9	16	..	1·1	..	10·8	0	3	28	3	2	0	0	2	2	7	15	0	0
	1430	,,	1000·4	978·4	..	40·4	20·9	5·0	8·8	12	..	3·3	..	14·1	0	5	26	2	0	0	2	0	1	8	18	0	0
	1730	,,	999·1	977·0	..	39·4	20·6	4·9	9·0	13	..	3·5	..	12·8	0	5	26	4	1	0	0	1	2	7	16	0	0
	2030	,,	1000·9	978·3	..	34·9	19·5	6·9	10·4	19	..	2·2	..	6·6	0	1	25	2	3	0	2	1	1	6	11	5	0
	2330	,,	1001·8	979·1	..	30·9	18·6	8·6	11·1	26	..	1·9	..	4·8	0	1	20	3	1	0	1	2	3	5	6	10	0
Sheopur	0830	235	1004·1	978·3	+1.3	31·9	20·0	11·4	13·7	29	+1	1·7	+0.5	8·1	0	1	30	1	2	2	4	6	8	5	3	0	0
	1730	,,	999·9	974·7	..	39·1	21·1	7·3	10·4	15	..	3·7	..	15·5	0	9	22	4	1	0	0	1	7	10	8	0	0
Shivpuri	0830	464	1003·5	953·3	..	31.7	18·3	8·3	11·2	25	..	1·7	..	9·9	0	3	23	1	2	2	0	0	5	12	4	5	0
	1730	,,	999·6	949·8	..	37·9	19·6	5·6	9.4	15		3·7	..	10·8	0	8	20	3	0	1	0	1	4	12	7	3	0
Nowgong	0830	229	1003·3	978 3	−0.1	32·4	19·6	10·0	12·0	25	−8	1·7	−0.2	3·9	0	0	25	1	3	1	0	3	10	3	4	6	0
	1730	,,	999.0	974.7	—	40·0	21·1	6·2	9·6	13	..	2·3	..	4·1	0	0	28	3	0	0	0	0	7	6	12	3	0
Guna	0530	478	1003.4	950.7	—	25·8	18·5	13·7	16·0	48	..	2·2	..	4·7	0	1	17	3	2	0	2	1	3	5	2	13	0
	0830		1004·3	952·5	+0.8	31·9	22·4	17·0	20·1	44	+15	1·7	+0·9	6·8	0	1	29	2	3	4	1	1	0	13	6	1	0
	1130	,,	1003·1	953·2	—	37·2	25·0	18·5	22·7	36	..	2·1	..	11·2	0	2	29	6	1	1	1	2	0	9	11	0	0
	1730	,,	999·8	948·8	—	37·6	24·3	16·9	20·4	32	..	3·6	..	14·1	0	8	23	2	0	0	0	0	4	11	14	0	0
	2330	,,	1003·1	950·9	—	29·6	20·4	14·9	17·3	43	..	2·2	..	6·2	0	0	23	3	0	0	0	3	7	7	3	8	0

(a) Mean of 30 days.

TABLE III—SUMMARY OF OBSERVATIONS AT FIXED HOURS—MAY, 1965 (VAISAKHA 11—JYAISTHA 10, 1887 SAKA)

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °: Dry bulb	Mean temperature in °: Wet bulb	Mean temperature in °: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed Kms. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 0 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh (West)—(Contd.)																											
Nimach	0830	496	1005·5	951·6	+0·5	30·0	18·5	9·7	12·9	32	—15	1·5 (a)	+0·7	15·4 (a)	0	9	20	0	4	2	0	0	3	16	0	2	4
	1730	"	1000·9	948·3	..	36·7	18.6	3·6	8·2	14	..	2·7	..	15·0	0	9	20	0	0	0	0	0	6	11	4	1	8
Rajgarh	0830	382	1004·8	963·1	..	31·4	21.1	13·1	16·6	34	..	1·3	..	11·8	0	4	26	6	2	1	0	2	1	11	7	1	0
	1730	"	999·7	959·1	..	38.6	22·2	10·6	13·4	22	..	3·5	..	12·4	0	1	29	4	0	1	0	1	5	10	9	1	0
Sagar	0830	551	1003·7	944·4	+0·2	31·9	17·3	5·2	9·1	20	—11	2.1	+0·7	3·2	0	0	19	0	1	1	0	0	2	8	7	12	0
	1730	"	998·9	940·8	..	37·2	18·6	2·9	7·9	13	..	3.5	..	5·2	0	0	31	0	3	0	0	0	4	1	23	0	0
Ratlam	0830	486	1005·8	952·9	+0·9	29·2	20.6	15.6	17·9	45	—13	1·4	—0·6	16·1	0	11	20	2	1	1	0	0	9	14	3	0	0
	1730	"	1000·9	949·2	..	37·1	22·2	13·1	15·9	25	..	1·9	..	15·4	0	8	23	2	1	1	1	0	4	14	8	0	0
Bhopal (Bairagarh)	0230	523	1002·6	945·5	..	28·0	16·3	6·8	10·0	27	..	2·1	..	7.5	0	1	22	1	2	1	0	0	3	9	7	8	0
	0530	"	1003·7	946.2	..	26·3	16.0	7·5	10·7	32	..	2·3	..	9·9	0	6	18	3	1	0	0	0	1	14	5	7	0
	0830	"	1004·6	948·1	+0.4	31·6	18.7	9.4	12·1	27	—4	1·8	+0.9	16·6	0	12	17	7	1	1	1	0	1	8	10	2	0
	1130	"	1003·2	947·6	..	36·7	20·0	8·1	11·2	18	..	1·2	..	13.8	0	7	23	5	3	0	1	1	1	4	15	1	0
	1430	"	1000·3	945·2	..	38·5	20·4	7·6	10.7	16	..	3.3	..	14.3	0	9	22	1	1	2	0	1	6	8	12	0	0
	1730	"	999·5	944·2	..	37·3	20·1	7·7	10·9	18	..	3·8	..	17.7	0	18	12	5	1	0	1	1	4	7	11	1	0
	2030	"	1001·7	945·5	..	32·9	18.6	7·6	10·9	22	..	3·0	..	8.1	0	2	21	5	0	0	1	0	1	8	8	8	0
	2330	"	1003·0	946·4	..	30·4	17.4	7·4	10·4	25	..	2·4	..	8·4	0	0	23	3	1	0	0	0	1	10	8	8	0
Ujjain	0830	489	1005·3	952·0	..	30·1	22·3	18.1	21·1	51	..	2·4	..	20·2	0	14	16	4	1	0	0	0	1	10	14	1	0
	1730	"	1000·1	948·3	..	37.0	23·8	16.9	19.7	33	..	4.1	..	18.6	0	13	18	2	2	1	0	1	3	11	11	0	0
Narsinghpur	0830	356	1004·3	965·5	..	32·1	22·8	17·2	19·6	42	..	..	..	2·5	0	0	31	0	7	0	1	0	8	0	15	0	0
	1730	"	998·7	961·0	..	39·4	25·8	18·6	21·4	31	..	..	..	2·6	0	0	31	0	2	0	1	0	8	0	20	0	0
Hoshangabad	0830	302	1004·8	971.8	—0·1	32·3	21·6	14·3	17·0	36	+4	2.5	+1·3	2·5	0	0	30	2	8	1	0	2	12	1	4	1	0
	1730	"	999.6	967·4	..	39·1	23·5	13.4	16·2	23	..	4·4	..	3.6	0	0	30	2	6	0	0	0	18	2	2	1	0
Indore	0530	567	1004·4	942·3	..	25·3	16·3	9.0	11·9	38	..	1·2	..	15.5	0	9	20	[illegible]	0	1	0	0	7	15	5	2	0
	0830	"	1005·2	943·7	—0·3	29·9	18·6	10·4	13·2	33	—15	1·0	0	21.6	0	18	12	2	2	0	0	0	7	13	6	1	0
	1130	"	1003·8	943·5	..	35·4	19·3	7·3	10·6	19	..	0·9	..	19·1	0	14	16	5	5	1	0	1	5	9	3	1	1
	1730	"	999·8	940.0	..	37·1	19·0	4·5	8·7	14	..	2·0	..	19·1	0	12	19	2	3	0	0	1	4	12	9	0	0
	2330	"	1004·1	942·4	..	28·7	16·9	7·1	10·7	27	..	1·2	..	10·1	0	3	23	4	0	0	0	0	8	10	4	5	0
Rajpur (Jhabua)	0830	293	1007·0	974·5	..	28·6	21·9	17·9	20·8	54	..	1·9	..	15·3	0	4	27	0	0	0	0	0	3	27	1	0	0
	1730	"	1001·7	970·3	..	37·7	21.0	7.7	11·2	18	..	1·4	..	8·8	0	1	30	0	0	0	1	0	2	26	2	0	0
Chhindwara	0830	685	1003·6	930·3	+0·3	31·3	19·8	12.2	14·7	33	—3	2·5	+0·2	9·9	0	4	27	8	4	3	0	2	1	7	6	0	0
	1730	"	998·6	926·8	..	36·2	21·2	11.6	14·2	25	..	4 5	..	10·0	0	0	31	6	0	2	0	3	0	14	6	0	0
Seoni	0830	619	1003·8	937·5	+0·1	32·1	19·5	11·1	13·4	28	1	3.2	+1·6	7·6	0	0	31	5	5	2	1	3	5	5	5	0	0
	1730	"	998·7	933·7	..	36.7	20·1	8.2	11·4	20	..	3·9	..	8·9	0	0	31	6	3	1	2	3	3	6	7	0	0
Betul	0830	653	1004·8	934·3	+0·3	29·5	18 2	10·0	12.7	31	—7	3·6	+1·0	4·8	0	0	26	2	3	1	1	0	1	8	10	5	0
	1730	"	999·1	930·5	..	36.7	19·2	5·6	9·4	16	..	4·4	..	5·7	0	0	31	4	3	1	2	0	1	8	12	0	0
Khandwa	0830	318	1005·7	970·8	+0·1	31.1	21.5	15·4	17·5	40	0	2·6	+1·5	5·7	0	0	31	0	1	0	0	0	8	17	5	0	0
	1730	"	1000.1	966·3	..	39.6	22·3	10.4	12.6	18	..	3.2	..	5·0	0	0	31	0	2	0	0	0	15	9	5	0	0
Madhya Pradesh (East)																											
Satna	0530	317	1001·9	966·8	..	26·7	17.0	8.8	10·4	33	..	2.2	..	2·3	0	0	20	1	6	0	0	3	4	4	2	11	0
	0830	"	1003·2	968·6	+0·2	33·6	19·7	9.0	11.6	22	—8	2·0	+0·4	2·3	0	0	25	4	1	0	1	1	4	12	2	6	0
	1130	"	1002·1	968·2	..	38·9	20 6	6·7	9·0	14	..	1·6	..	3·9	0	0	26	2	5	4	3	2	2	5	3	5	0
	1730	"	998·5	964·9	..	39·1	21·4	7·9	11.0	16	..	3·0	..	3·2	0	0	26	6	3	0	0	1	2	13	1	5	0
	2330	"	1001·9	967.1	..	31·0	18·8	9.1	11·8	26	..	2·3	..	1·6	0	0	10	0	3	0	2	1	2	1	1	21	0
Rewa	0830	299	1003·1	970·5	..	33·7	21·0	12.3	14·5	29	..	1·6	..	3·6	0	0	27	2	2	1	0	1	6	11	4	4	0
	1730	"	998·7	966.8	..	39·7	22·2	9.6	12·4	17	..	2·9	..	6·5	0	0	31	7	2	0	0	0	0	6	16	0	0
Sidhi	0830	272*	1002·5	972.9	..	32·7	21·1	13·5	15·6	32	..	1.5	..	1·9	0	0	28	4	3	1	1	0	2	14	3	3	0
	1730	"	997·6	968·7	..	39·6	21·9	8.9	11.8	17	..	2 7	..	2·1	0	0	30	4	2	0	0	0	1	21	2	1	0
Umaria	0830	459	1003·6	954.0	..	33·1	22·3	16.2	19·0	38	+12	2.4	+0·4	5·4	0	0	29	3	1	0	2	1	2	3	3	2	14
	1730	"	998·3	949.9	..	39·1	23·6	15.2	17·7	25	..	4·9	..	6·1	0	0	30	5	0	0	0	0	3	7	9	1	6
Jabalpur.	0530	393	1003·1	959·7	..	26·5	18·6	12·9	14·0	44	..	3·6 (a)	..	1·0	0	0	9	2	0	0	3	3	0	1	0	22	0
	0830	"	1004·0	961·5	+0·5	33·0	21·1	12·8	14.9	31	+2	3·0 (a)	+1.8	3·5	0	0	27	3	2	2	2	4	5	9	0	4	0
	1130	"	1002·6	960·9	..	38·5	22·5	11 0	14·0	22	..	2·2 (a)	..	5.2	0	0	30	7	3	2	0	3	3	9	3	1	0
	1430	"	999·8	958·4	..	40·2	22·9	10.0	13·0	19	..	3·9	..	5·4	0	0	29	4	1	2	0	0	5	11	6	2	0
	1730	"	998·7	957.2	..	38·9	22·6	10.8	14·1	21	..	4·8 (b)	..	4·5	0	1	23	3	3	1	1	0	4	8	4	7	0
	2330	"	1002·4	959·6	..	30·5	20·2	13·1	15.3	36	..	3·5	..	1·	0	0	11	0	1	1	0	0	3	5	1	20	0
Ambikapur	0830	611	1003·4	937·8	+0.5	30·9	19·7	12·4	14·5	34	—2	3·3	+2·1	2·6	0	0	1	1	2	1	0	5	5	2	0	15	0
	1730	"	998·6	934·4	..	36·3	19·6	7·1	10·1	19	..	4·2	..	6·3	0	1		8	2	1	2	2	3	3	8	2	0
Jashpur Nagar	0830	779*	1003.1	919·6	..	28.9	19·4	13·2	15·6	41	..	1·5	..	1·3	0	0	16	1	2	0	2	0	5	1	5	15	0
	1730	"	998.9	917·1	..	33·3	19.0	8·4	11·5	25	..	2·2	..	2·5	0	0	30	0	7	0	2	0	13	1	7	1	0

*Height Provisionally Calculated.

(a) Mean of 30 days.

(b) Mean of 29 da

Sub-Division and station	Hour of observation I.S.T.	Station elevation in mes	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Okts): Mean amount	Departure from normal	Mean wind speed Km. per hour	Wind speed (Km.ph.): 62 or more	20 to 61	1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh (East) —(*Contd.*)																											
Pendra	0530	625	1002·9	934·9	..	26·2	18·1	11·6	14·9	43	..	(a) 3·3	..	4·1	0	0	28	7	1	0	1	3	7	3	6	3	0
	0830	,,	1003.4	936·5	0	31·4	20·0	12·6	15·1	34	+1	2·5	+0.6	10.3	0	6	22	6	1	1	0	7	7	1	5	3	0
	1130	,,	1001·9	936·0	..	36·2	21·1	11·4	14·0	24	..	2·7	..	12.7	0	7	21	10	3	0	0	3	4	2	5	3	1
	1430	,,	999·3	933·8	..	37.2	21·1	10·5	13.1	22	..	(b) 4·5	..	12·9	0	8	21	9	3	1	1	2	2	4	7	2	0
	1730	,,	998·4	932·8	..	35.7	20·9	10·9	13·6	24	..	(a) 3·3	..	7·4	0	2	25	11	1	1	1	2	5	2	4	4	0
	2330	,,	1002·4	935·1	..	29.2	18·7	11.5	13.9	35	..	3·3	..	5·5	0	2	24	5	0	0	1	4	8	2	6	5	0
Mandla	0830	443	1003·9	955·8	+0.5	30·7	19·8	11·9	14·2	33	—2	2·4	-0·1	1·8	0	0	12	4	0	0	0	5	0	0	3	19	0
	1730	,,	998.0	951·4	..	38·5	21·2	7·8	11·0	17	..	3·4	..	4·2	0	0	22	12	0	0	0	3	0	0	7	9	0
Champa	0830	245	1004·0	977·2	+0·7	32·5	21·7	14·9	17·1	36	0	3·7	+1·1	5·4	0	0	29	4	4	5	2	1	1	8	4	2	0
	1730	,,	998·6	972.5	..	40·2	22·6	10·5	13·0	18	..	5·5	..	6.6	0	1	28	8	3	4	1	0	2	2	9	2	0
Raigarh	0830	220	1004·1	979·9	+0·9	32.6	23·0	17·5	20·2	42	+1	2·6	—0·3	3.1	0	0	30	1	11	0	7	3	8	0	0	1	0
	1730	,,	999·0	975·4	..	38·4	23·2	13·3	16·0	25	..	4·0	..	2·3	0	0	24	3	5	0	2	4	4	2	4	7	0
Raipur	0530	298	1002·3	969·4	..	28·9	19·7	13·3	15·5	39	..	3.7	..	7.0	0	1	27	3	3	2	2	4	4	7	3	3	0
	0830	,,	1003·8	971·3	+0·1	33·5	21.4	13·1	15·7	31	—2	2·8	+0·7	9.9	0	1	28	4	3	1	1	3	5	6	6	2	0
	1130	,,	1002·5	970·6	..	38·8	22·0	9·8	12·7	19	..	2·2	..	11·1	0	4	26	6	1	4	1	2	3	6	7	1	0
	1430	,,	999·6	967.9	..	40·5	21·9	7·8	10·9	15	..	4·0	..	10·5	0	2	29	7	4	0	0	3	3	5	9	0	0
	1730	,,	998·4	966·7	..	39·4	21·6	8·0	11·2	16	..	4·4	..	9·7	0	3	25	8	0	2	1	2	6	3	6	3	0
	2330	,,	1001·7	969·3	..	32·8	20·6	11·8	13·8	30	..	2·1	..	10·8	0	4	26	1	1	0	5	14	3	1	5	1	0
Kanker	0830	402	1003·8	960·3	+0·3	32·7	23·8	18·9	22·1	46	+6	3·1	0	1·7	0	0	15	1	0	0	1	1	12	0	0	16	0
	1730	,,	999·0	956·4	..	37·6	25·2	18·6	21·7	34	..	4·9	..	3·7	0	0	24	2	2	1	1	2	10	4	2	7	0
Jagdalpur	0530	553	1003·2	942·8	..	24·3	20·6	18·7	20·2	72	..	3·7	..	0·6	0	0	4	0	1	0	1	1	1	0	0	27	0
	0830	,,	1004·1	944·3	—0·5	29·3	22·2	18·5	21·6	53	—2	3·1	+0·4	5·6	0	0	25	1	0	0	1	6	11	0	6	6	0
	1130	,,	1002·6	943·8	..	34·5	22·8	16·5	18·4	38	..	3·1	..	7·5	0	0	30	2	3	1	2	7	6	4	5	1	0
	1730	,,	999·6	940·8	..	33·2	21·8	15·3	17·7	37	..	6·3	..	10.8	0	5	22	4	5	0	3	2	5	2	6	4	0
	2330	,,	1003·4	943·2	..	27·0	21·0	17·7	20·5	58	..	3·3	..	2·4	0	0	11	1	0	0	4	4	2	0	0	20	0
Gujarat Region																											
Deesa (including Daman and Nagar haveli) Dasra	0830	136	1006·5	991·2	+0·1	28·1	21·1	16·6	19·3	52	..	2·3	..	8.6	0	1	29	0	1	0	3	1	14	1	10	1	0
	1730	,,	1001·4	986·6	..	39.1	21·1	6·2	10·4	15	..	2·9	..	13·7	0	3	28	0	0	0	1	0	14	0	16	0	0
Radhanpur	0830	30	1006·9	1003·5	..	28·5	..	..	..	..	..	0	..	5.8	0	0	31	0	2	0	0	0	19	3	7	0	0
	1730	,,	1002·9	999.7	..	39·5	..	..	..	..	..	0	..	6.4	0	0	31	1	0	1	0	0	21	0	8	0	0
Idar	0330	219	1006·3	981·9	..	29·4	20·9	15·1	17·8	46	..	1·7	..	3·8	0	0	26	0	0	0	1	0	8	14	3	5	0
	1730	,,	1001·3	977·8	..	38·8	20·7	5·7	9·6	14	..	0·5	..	5·7	0	1	29	1	0	1	0	0	2	25	1	1	0
Ahmedabad	0230	55	1004·7	998·5	..	28·7	21·3	16·3	19·3	49	..	0·6	..	10·6	0	0	31	2	0	0	0	0	6	15	8	0	0
	0530	,,	1005·0	998.7	..	26 6	21·2	17.9	20·8	59	..	1·0	..	7·5	0	0	25	0	0	0	0	2	2	12	9	6	0
	0830	,,	1006·9	1000·6	—0·4	28·9	22·8	19·4	22·7	58	—12	1·5	—0·1	12·1	0	3	27	2	0	0	0	1	7	11	9	1	0
	1130	,,	1006·6	1000·5	..	35·3	23·7	16·8	19·7	35	..	0·8	..	13·2	0	4	27	2	0	1	0	0	8	12	8	0	0
	1430	,,	1003·8	997·8	..	40·0	23·2	11·9	14·7	21	..	0·9	..	14·7	0	6	25	3	0	0	0	1	10	13	4	0	0
	1730	,,	1001·8	995·8	..	40·0	22·7	10·6	13·4	19	..	1·3	..	15·8	0	7	24	2	1	0	0	1	8	14	5	0	0
	2030	,,	1003·6	997.5	..	34·1	22·8	15·9	18·5	36	..	0·9	..	12·0	0	3	22	3	0	1	0	2	14	5	0	6	0
	2330	,,	1005·1	998.9	..	31·1	21·5	15·2	17·8	40	..	0·5	..	9·2	0	3	22	1	0	0	0	1	11	10	2	6	0
Dohad	0830	333	1006·3	969.5	+0·2	29·5	21·0	15·2	17·9	45	—13	1·9	+0·2	17·2	0	15	16	0	0	0	0	0	16	10	5	0	0
	1730	,,	1001.2	965·6	..	38·1	20·7	7·2	10·2	17	..	0·5	..	14·1	0	9	22	1	1	0	1	0	14	5	9	0	0
Vallabha Vidya Nagar	0830	44	1006·7	1001·8	..	27·5	22·6	20 2	23·5	66	..	1·7	..	10·0	0	1	30	1	0	0	1	12	8	4	5	0	0
	1730	,,	1002·2	997·5	..	39·0	22·8	11·3	14·5	21	..	0·4	..	11·4	0	2	29	1	0	0	0	8	10	4	8	0	0
Baroda Aerodrome	0830	38	1007·3	1003.1	..	29·5	23·1	19·6	22·9	57	..	1·5	..	18.6	0	14	17	2	0	0	0	2	18	6	3	0	0
	1130	,,	1006·9	1002.7	..	35·1	22·5	14·9	16·9	31	..	0·7	..	18.3	0	9	22	3	0	0	1	0	14	6	7	0	0
	1730	,,	1002·6	998·5	..	38·8	22·2	10·1	13·2	20	..	0·5	..	21·6	0	14	17	0	1	0	0	0	14	9	7	0	0
Baroda	0530	34	1005·6	1001·7	..	27·0	23·6	21·7	26·3	74	..	0·9	..	0·7	0	0	6	0	0	0	0	0	4	2	0	25	0
	0830	,,	1007·4	1003.5	+0·6	29·5	24·9	22·6	27·7	67	+2	1·6	-0·1	1·7	0	0	14	0	0	0	1	0	9	4	0	17	0
	1130	,,	1007·1	1003.2	..	35·8	24·8	19·0	22.2	39	..	0·8	..	2·5	0	0	23	0	1	0	1	0	10	9	2	8	0
	1730	,,	1002·7	998.8	..	39·7	26.0	18·8	22·4	31	..	0·3	..	3·0	0	0	23	0	1	0	0	0	13	8	1	8	0
	2330	,,	1005·7	1001·8	..	30·2	24·6	21·7	26·3	62	..	0·3	..	2·6	0	0	15	0	1	0	0	0	9	5	0	16	0
Broach	0830	17	1007·0	1005·0	+0·5	28·3	24·4	22·9	27·3	72	+1	1·2	—0·7	5.3	0	0	31	0	0	0	1	2	25	1	2	0	0
	1730	,,	1002·9	1000·9	..	37·3	25.7	19·4	23·5	38	..	0·8	..	8·5	0	0	31	0	0	0	0	3	22	2	4	0	0
Surat	0530	12	1006·2	1004 9	..	26·2	23·9	22·2	27·6	76	..	1·2	..	9·0	0	1	30	0	1	0	10	0	20	0	0	0	0
	0830	,,	1007·9	1006·6	+0·1	29·6	24·6	22·3	26·7	64	—2	1·9	—1·1	8·1	0	0	31	0	1	0	2	0	27	0	1	0	0
	1130	,,	1008·0	1006·7	..	33·3	24·6	20·1	23·8	47	..	1.8	..	12·4	0	4	27	0	3	0	1	0	21	1	5	0	0
	1730	,,	1004·4	1003·1	..	32·5	24·8	20·9	25·0	52	..	0·6	..	13·1	0	5	26	0	0	0	1	0	26	0	4	0	0
	2330	,,	1006 7	1005 4	..	28·2	24·9	23·4	28·8	76	..	0·7	..	13·3	0	5	26	0	0	0	3	0	28	0	0	0	0

(a) Mean of 30 days. (b) Mean of 29 days.

Sub-Division and station	Hours of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g. p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed Km. per hour	Wind speed (Km p.h.): 62 or more	Wind speed (Km p.h.): 20 to 61	Wind speed (Km p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Saurashtra and Kutch (including Diu)																											
Naliya	0830	21	1006·4	1004·0	..	27·8	24·7	23·2	28·9	77	..	2·6	..	15·2	0	11	18	0	1	1	0	5	18	6	0	2	0
	1730	,,	1004·2	1001·8	..	31·4	25·0	21·8	26.4	58	..	1.7	..	20·7	0	17	14	0	0	0	0	0	3	18	10	0	0
Bhuj (Rudramata)	0230	80	1004·8	995.7	..	26·1	24.2	23·4	28·6	85	..	0·4	..	13·4	0	5	21	0	0	0	0	0	10	14	2	5	0
	0530	,,	1004.9	995.8	..	25·5	24·0	23.2	28.6	88	..	0·6	..	13·2	0	5	23	0	0	0	0	0	9	17	2	3	0
	0830	,,	1006.2	997·2	+0·2	28·6	24·9	23·1	28·6	72	+11	1·0	0	15·9	0	13	16	1	0	0	0	0	15	8	5	2	0
	1130	,,	1006·0	997·1	..	35·6	25·3	19·1	23·8	42	..	0·5	..	19·2	0	15	16	1	0	0	0	0	7	12	11	0	0
	1430	,,	1004·1	995·4	..	37·9	25·5	18 2	22·4	34	..	0·5	..	23·3	0	20	10	0	0	0	0	0	9	9	12	1	0
	1730	,,	1002·9	994.1	..	36·0	25·8	19·7	24·9	42	..	0·6	..	23·3	0	23	7	2	0	0	0	0	6	14	8	1	0
	2030	,,	1004·4	995·4	..	30·6	25·3	23.8	27·9	64	..	0·5	..	20.7	0	17	14	0	0	0	0	0	8	18	5	0	0
	2330	,,	1005 8	996·7	..	27·4	24·9	23·8	29·3	81	..	0·5	..	16.0	0	6	25	0	0	0	1	0	10	19	1	0	0
Kandla (Aerodrome)	0830	35	1006·8	1002·9	..	28·7	23.4	20·5	24·4	63	..	1·3	..	26·3	0	22	9	0	0	0	1	1	19	4	6	0	0
	1130		1006.5	1002.7	..	35·6	23.4	15·8	18.8	33	..	0.7	..	26.6	0	21	10	0	0	0	1	1	16	9	4	0	0
	1730	,,	1003·0	999·2	..	37·2	23·0	13·6	16·5	27	..	0·7	..	36·4	0	28	3	0	0	0	0	3	22	6	0	0	0
New Kandla	0830	14	1007·0	1005·4	..	28·3	24·3	22·2	27·1	71	..	2·3	..	24·4	0	19	12	1	0	0	0	0	13	15	2	0	0
	1730	,,	1003·8	1002·2	..	33·6	25·1	20·6	24·9	49	..	0·9	..	37·8	0	30	1	0	0	0	0	0	16	15	0	0	0
Mandvi	0830	9	1007·1	1006.0	+1.1	28·2	25·0	23·5	29·1	77	−7	4·4	+2·0	20·6	0	12	19	1	0	0	0	1	12	13	4	0	0
	1730	,,	1004·6	1003·5	..	29·2	26·4	24·9	31·7	75	..	2·1	..	41.7	0	30	1	0	0	0	0	0	16	15	0	0	0
Surendranagar	0830	74	1007·0	998.6	+0.9	29·1	25·3	23·4	28·8	70	+3	(a) 1·2	−0·5	(a) 14.2	0	7	22	1	0	0	0	1	6	16	5	1	0
	1730	,,	1002·4	994·4	..	39·5	..	..	..	..	..	1·6	..	15·5	0	11	20	0	0	0	0	0	5	22	4	0	0
Okha	0530	7	1006·0	1005·2	..	26·4	24·8	24·0	30·0	87	..	2·3	..	22·5	0	20	11	1	0	0	0	0	13	12	5	0	0
	0830	,,	1007·5	1006·7	..	27·8	25·3	24·1	30·0	80	..	2·6	..	24.3	0	20	11	1	0	0	0	1	11	12	6	0	0
	1130	,,	1004·7	1003·9	..	29·6	25·8	24·0	30·0	72	..	1·7	..	28·2	0	25	6	0	0	0	0	0	10	14	7	0	0
	1730	,,	1005·3	1004·5	..	29·3	25.9	24.6	30.5	75	..	1·6	..	30·3	0	30	1	0	0	0	0	0	11	16	4	0	0
	2330	,,	1007·0	1006·2	..	26·9	25·2	24.4	30·7	86	..	0·9	..	24·5	0	20	11	0	0	0	0	0	12	16	3	0	0
Jamnagar (Aerodrome)	0530	23	1005·7	1003·1	..	24·6	23·7	23·2	28·6	93	..	1·8	..	23·7	0	5	24	0	0	0	0	0	8	20	1	2	0
	0830	,,	1007·1	1004·5	+0.3	27·8	25·4	24·2	30·4	80	+14	1·8	+0.2	21.1	0	19	12	0	0	0	0	0	8	21	2	0	0
	1130	,,	1007·0	1004·5	..	33.5	25·2	21·0	25·3	49	..	0·7	..	28·0	0	28	3	1	0	0	0	0	2	20	8	0	0
	1730	,,	1004.1	1001·6	..	32.0	25·5	22.3	27.3	57	..	0.5	..	35.5	0	31	0	1	0	0	0	0	0	17	13	0	0
	2330	,,	1006·6	1004·1	..	26·7	24·6	23·6	29·3	83	..	0.5	..	22·6	0	19	12	0	0	0	0	0	2	26	3	0	0
Dwarka	0830	11	1007·3	1006·0	+0.1	27·5	25·8	25·0	31.7	85	+2	2·1	−0·2	16·6	0	12	19	1	0	0	0	1	5	22	2	0	0
	1730	,,	1005·5	1004·2	..	29·3	26·7	25·6	32·8	80	..	1·4	..	20·8	0	20	11	0	0	0	0	0	4	24	3	0	0
Rajkot	0530	138	1005·7	990·1	..	24·2	22·0	20·9	24·9	82	..	1·0	..	13·1	0	11	16	0	0	0	0	1	16	8	2	4	0
	0830	,,	1007·1	991·6	+0.7	27·8	23·8	21·8	26·3	71	0	0·2	−1.3	23.8	0	27	4	1	0	0	0	0	13	8	9	0	0
	1130	,,	1006·4	991·4	..	35·3	23.7	17·2	19·7	35	..	0·5	..	25·9	0	25	6	2	0	0	0	0	7	10	12	0	0
	1730	,,	1002·6	987·7	..	37·3	23·0	13·3	16.0	25	..	0.5	..	34·4	0	27	4	0	2	0	0	0	4	10	15	0	0
Bhavnagar Aerodrome	0830	11	1007·5	1006·3		29·5	23·2	19·8	23·2	57	+4	1·5	−0.3	20·1	0	13	18	3	1	0	1	3	12	6	3	0	2
	1130	,,	1007·4	1006 2	..	34·8	24·3	18·7	21·8	40	..	0·8	..	20·6	0	15	16	0	4	9	3	1	6	6	0	0	2
	1730	,,	1002·9	1001·7	..	37·4	25·1	18·2	21·8	35	..	1·2	..	37·5	0	27	4	0	0	3	3	19	6	0	0	0	0
Porbander Aerodrome	0830	7	1007·6	1006·8	+1.0	28·2	25·2	23·8	29·7	78	−3	2·5	−0.5	13·7	0	9	22	2	0	0	0	1	13	8	7	0	0
	1130	,,	1007·9	1007·1	..	30·9	26·1	23·9	29·8	67	..	1·5	..	22·6	0	25	6	0	0	0	0	1	17	11	2	0	0
	1730	,,	1005·3	1004·5	..	30·1	25·9	24·0	30·0	70	..	1·1	..	28·1	0	31	0	0	0	0	0	0	11	20	0	0	0
Keshod	0830	51	1007·7	1001·8	..	27·7	23·8	21·8	26·3	71	..	1·7	..	17.8	0	15	16	0	2	0	0	1	9	10	9	0	0
	1130	,,	1007.5	1001·8	..	33·4	23·5	18·0	20·9	41	..	0·5	..	22·0	0	22	9	2	0	0	0	0	8	15	6	0	0
	1730	,,	1004 7	998·9	..	33·3	23·7	18.3	21·4	44	..	0·4	..	38·8	0	31	0	0	0	0	0	0	11	20	0	0	0
Maburea	0830	9	1006·4	1005·4	..	28·1	23·4	21.0	24·9	67	..	2·5	..	3·9	0	0	22	2	0	0	0	6	9	4	1	9	0
	1730	,,	1004·3	1003·3	..	31·3	25·6	22·9	28·3	62	..	1·9	..	11.0	0	2	29	0	0	0	0	5	25	1	0	0	0
Veraval	0230	8	1006·3	1005·4	..	26.2	24·8	24·1	30·2	88	..	2·2	..	17·9	0	11	20	5	0	0	0	0	1	13	12	0	0
	0530	,,	1006·2	1005·3	..	25·5	24·3	23·6	29·5	89	..	2·2	..	16·3	0	13	18	9	0	0	1	1	2	11	7	0	0
	0830	,,	1008·0	1007·1	−0.1	27·4	25.2	24·2	30·2	83	+1	2·3	−0.1	17·3	0	10	21	4	0	0	0	0	5	13	9	0	0
	1130	,,	1008·4	1007·5	..	29·7	26·4	24·9	31·9	76	..	1.6	..	22·0	0	22	9	0	0	0	0	1	7	18	5	0	0
	1430	,,	1006·7	1005·8	..	29·9	26.5	25·2	31·9	76	..	1·3	.	26·6	0	30	1	0	0	0	0	0	9	19	3	0	0
	1730	,,	1005·5	1004·6	..	29·0	26·4	25·3	32·2	81	..	1·6	..	25·6	0	27	4	0	0	0	0	0	3	21	7	0	0
	2030	,,	1006·5	1005·6	..	27·4	25·7	24·9	31·5	87	..	1·2	..	22·5	0	22	9	0	0	0	0	0	1	16	14	0	0
	2330	,,	1007·4	1006·5	..	26·8	25·3	24·6	31·1	88	..	2·3	..	18·0	0	11	20	3	0	0	0	0	1	14	13	0	0
Konkan (including Goa)																											
Dahanu	0830	5	1008·5	1008.0	+1.2	26·8	26·2	25·2	32·1	83	+5	1·6	−2.7	8·3	0	0	30	0	1	4	11	2	10	1	1	1	0
	1730	,,	1005·9	1005·4	..	31·0	27·1	25·4	32.6	73	..	(d) 0·5	..	(b) 20·6	0	18	11	1	1	0	0	0	2	24	2	0	0

(a) Mean of 30 days. (d) Means of 27 days (b) Means of 29 days.

Sub-Division and station	Hour of observation I.S.T	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Konkan—(including Goa) (*Contd.*)																											
Bombay (Santa Cruz)	0230	14	1006·8	1005·2	..	26·6	24·1	22·9	27.9	80	..	2·6	..	3·7	0	0	14	1	0	0	0	1	1	7	4	17	0
	0530	"	1007·0	1005·5	..	26·1	23·8	22·8	27·6	82	..	3·1	..	3·1	0	0	12	0	2	0	0	4	1	5	0	19	0
	0830	"	1008·6	1001·0	—0·3	29·5	24·8	22·6	27·6	67	—5	3·4	+0.1	6·4	0	0	22	1	1	2	0	1	3	12	2	9	0
	1130	"	1008·5	1006·9	..	31·9	25·4	22·5	27·3	58	..	2·5	..	16·5	0	10	21	1	0	0	0	1	6	16	7	0	0
	1430	"	1006·5	1004·9	..	32·2	25·8	22·9	27·9	58	..	1·7	..	20·5	0	19	12	1	0	0	0	0	3	14	13	0	0
	1730	"	1005·4	1003·8	..	30·8	25.3	22·7	27·6	63	..	2·0	..	18·5	0	11	20	1	0	0	0	0	1	15	14	0	0
	2030	"	1006·9	1005.3	..	28·3	24·7	22·9	28·1	73	..	1·8	..	9·9	0	0	29	2	0	0	0	0	2	12	13	2	0
	2330	"	1007·9	1006·2	..	27·6	24·6	23·1	28.4	77	..	2·0	..	6·4	0	0	19	1	0	0	0	0	6	8	4	12	0
Bombay	0830	11	0108·6	1007·4	—0.3	29·5	25·2	23·5	28·6	69	—5	2·8	—0·5	6·8	0	0	29	3	1	2	2	2	7	5	7	2	0
	1130	"	1008.6	1007·4	..	31·5	25·8	23·2	28·6	62	..	1·7	..	11·2	0	0	31	1	0	1	0	1	6	13	9	0	0
	1730	"	1005·6	1004·4	..	30·9	25·8	23·6	28·9	65	..	1·6	..	15.2	0	7	24	1	0	0	0	0	5	12	13	0	0
Alibag	0830	7	1008·6	1007·8	+0·1	28·8	26·0	24·8	31·3	79	+7	2·8	—0.7	8.5	0	1	28	5	1	0	3	4	6	7	3	2	0
Bhira	0830	96	1008·2	997·5	..	28·5	23·7	21·2	25·3	65	..	2·6	..	1·4	0	0	17	1	0	0	0	2	7	2	5	14	0
	1730	"	1004·0	993·5	..	35·3	24·4	18.6	21·6	38	..	1·4	..	4·5	0	0	28	0	0	0	1	0	16	4	7	3	0
Harnai	0830	20	1008·7	1006·3	+0.8	28·4	25·9	24·	31·3	81	+3	3·6	—0.4	9·7	0	3	25	8	4	2	2	4	0	1	7	3	0
	1730	"	1002·8	1000·5	..	29·4	26 7	5·6	32·6	81	..	3·4	..	24·1	0	23	8	7	0	0	0	0	1	3	20	0	0
Ratnagiri	0830	35	1008·5	1004·5	—0·5	28·6	25·1	23·5	28·9	74	..	3·8	..	3·9	0	0	29	4	5	1	5	1	1	6	6	2	0
	1730	"	1005·6	1001·8	..	31·0	26·1	23·9	29·7	66	..	2·9	..	12·1	0	1	30	1	0	0	0	0	3	17	10	0	0
Devgarh	0830	36	1008·7	1004·7	+0.5	28·3	25.4	24.2	30·0	79	+2	4·0	—0.7	10·7	0	5	24	8	4	2	1	0	2	2	10	2	0
	1730	"	1005·8	1001·8	..	31·2	26·8	24·9	31·7	69	..	2·5	..	24·1	0	25	6	0	0	0	0	0	1	5	25	0	0
Vengurla	0230	9	1007·6	1006·6	..	26·6	24·4	23.4	28·8	83	..	2.3	..	..	..	..	..	1	0	0	0	0	0	0	5	25	0
	0530	"	1007·2	1006·2	..	26·1	24.3	23·4	28·9	85	..	3·9	..	..	..	..	..	4	1	0	1	0	0	1	4	20	0
	0830	"	1009·1	1008·1	+0.9	28·9	25·0	23·3	28·6	72	—1	3·6	—1·2	..	..	..	..	5	2	1	0	0	0	5	6	12	0
	1130	"	1008·9	1007·9	..	31·6	25·6	22·8	27·9	60	..	2·2	..	..	..	..	..	0	0	0	0	0	13	14	4	0	0
	1730	"	1006·0	1005·0	..	30·5	25·6	23·3	28·9	66	..	3·0	..	..	..	..	..	0	0	0	0	0	2	18	10	1	0
	2330	"	1008·3	1007·3	..	27·7	25·0	23·8	29·5	79	..	2·2	..	..	..	..	..	4	1	0	0	0	0	4	9	13	0
Panjim	0530	60	1007·1	1000·3	..	26·5	24·3	23·3	28·6	82	..	3·5	..	5·0	0	0	18	8	3	1	1	0	1	1	3	13	0
	0830	"	1008·9	1002·2	..	28·5	24·8	23·0	28·3	73	..	4·0	..	6·6	0	0	22	7	2	1	0	2	1	1	8	9	0
	1130	"	1008·9	1002·2	..	31·5	25·2	22·2	26·9	58	..	3·0	..	15·7	0	8	23	1	0	0	0	0	3	18	9	0	0
	1430	"	1006·9	1000.2	..	31·8	25·5	22·7	27·6	59	..	3·2	..	22·8	0	25	6	0	0	0	0	0	3	21	7	0	0
	1730	"	1005·8	999·1	..	30·5	25·3	22·9	27·9	64	..	3·0	..	18·6	0	15	16	0	0	0	0	0	2	12	17	0	0
	2030	"	1007·3	1000·6	..	28·3	24·8	23·1	28·3	74	..	2·4	..	12.0	0	1	30	2	0	0	0	0	2	5	22	0	0
	2330	"	1008·3	1001·5	..	27·7	24·7	23·3	28·6	77	..	1·7	..	7·3	0	1	20	4	0	1	0	0	1	1	14	10	0
Mormugao	0530	62	1006·5	999·7	..	27·1	24·7	23·6	29·1	81	..	3·6	..	(k) 11·3	0	2	18	8	4	0	2	1	3	3	10	0	0
	0830	"	1008·3	1001·4	..	28·6	25·2	23·6	29·3	75	..	4·3	..	(k) 10·5	0	1	19	11	6	0	1	1	2	3	7	0	0
	1130	"	1008·3	1001·3	..	30·2	25·5	23·4	28.8	67	..	3·2	..	(k) 16.2	0	3	17	0	0	0	0	0	7	10	14	0	0
	1730	"	1005·3	998·4	..	30·0	25·6	23·6	29·3	69	..	3·1	..	(l) 25·4	0	10	9	1	0	0	0	0	4	6	20	0	0
Dabolim (Naval Air Station)	0530	52	1007.3	1001·5	..	27·1	24·6	23·5	28·9	81	..	4·5	..	12.6	0	6	20	11	5	1	1	1	0	1	6	5	0
	0830	"	1009·3	1003·5	..	28·6	25·1	23·5	28·9	74	..	5·2	..	12·5	0	4	22	12	4	1	1	1	2	0	5	5	0
	1130	"	1009·1	1003·4	..	30·7	25·1	22·6	27·3	63	..	4.2	..	22.6	0	21	10	4	0	0	0	0	4	9	14	0	0
	1730	"	1005·9	1000.2	..	30·4	25·5	23.3	28·6	66	..	4·3	..	28·3	0	29	2	3	0	0	0	0	2	8	18	0	0
Madhya Maharashtra																											
Nandurbar	0830	206	1007·2	984·2	..	28·9	22·9	19·6	22.9	58	..	1·7	..	18·3	0	10	21	0	0	0	0	0	1	30	0	0	0
	1730	"	1002·4	980·2	..	37·9	28·2	14·2	16·4	26	..	1·3	..	7·9	0	2	29	0	0	0	0	0	1	30	0	0	0
Jalgaon	0830	201	1006·5	984·3	+0.9	29·8	21·2	15·5	18·2	44	—10	3·0	+1.5	26·8	0	26	5	0	0	1	0	0	2	17	11	0	0
	1730	"	1000.9	979·4	..	40·5	21·7	7·4	10·7	14	..	3·4	..	23·2	0	18	12	9	1	1	0	0	0	7	12	1	0
Malegaon	0830	437	1006·6	958·7	—0·2	29·1	20·2	13 8	16·4	41	—6	2·2	+0.8	11·0	0	1	30	1	0	1	1	1	6	13	8	0	0
	1730	"	1000·9	954·5	..	37·8	21·9	10·8	13·3	21	..	3·5	..	18.5	0	13	18	10	1	0	0	1	1	8	10	0	0
Ozar	0830	608	..	..	..	27·5	20·3	16·0	18·5	51	..	1·8	..	17·2	0	13	18	1	0	0	0	0	2	10	18	0	0
	1130	"	..	..	..	(a) 35·7	(a) 20·9	(a) 12·7	15·3	(a) 29	..	(a) 1·1	..	(a) 21·2	0	16	14	3	2	1	0	1	2	7	14	0	0
	1730	"	..	..	..	(b) 34·6	(b) 21·5	(b) 13·5	16·1	(b) 29	..	(b) 1.6		(b) 26·4	0	23	6	2	0	0	1	0	0	10	16	0	0
Deolali (Aerodrome)	0830	571	1008.3	945·8	..	26·4	20·0	16·1	18·6	55	..	2·3	..	13·5	0	6	24	0	0	0	0	2	23	4	1	1	0
	1730	"	1003·1	942·3	..	34·7	20·4	10·9	13·5	25	..	2·7	..	19.6	0	11	20	4	0	0	1	0	7	9	10	0	0
Ahmadnagar	0830	657	1006·5	933·2	—0.5	28·1	18·7	12·7	14·7	39	—2	2·5	+1.1	10·1	0	0	31	6	3	1	1	0	1	0	19	0	0
	1730	"	999·9	931·1	..	36·9	20·5	9·5	12·1	22	..	4·7	..	12·1	0	1	30	2	4	0	1	1	3	0	20	0	0
Poona (Aerodrome)	0230	593	1006·4	940·9	..	23·1	19·4	17·2	19·7	71	..	1·6	..	16·6	0	9	22	0	0	0	1	0	1	26	3	0	0
	0530	"	1007·0	941·0	..	22·0	18·9	17·0	19·5	75	..	2·3	..	16·1	0	11	18	0	0	0	0	0	2	25	2	2	0
	0830	"	1007·7	942·5	..	25·7	19.5	16·2	17.6	57	..	2·6	..	20·6	0	16	14	0	0	0	0	0	3	24	3	1	0

(k) mean of 20 days. (l) Mean of 19 days. (a) Means of 30 days. (b) Means of 29 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Kms. per hour	Wind speed (km. p.h.): 62 or more	Wind speed (km. p.h.): 20 to 61	Wind speed (km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Maharashtra—(*Contd.*) Poona Aerodrome—*Contd.*	1130	593	1005·8	942·1	..	32·7	20·6	13·3	15·4	32	..	1·8	..	21·9	0	18	11	0	1	1	0	0	0	22	5	2	0
	1730	,,	1002·0	938·8	..	33·7	21·2	13·5	15·0	32	..	2·9	..	31·3	0	29	2	0	2	1	0	1	2	23	2	0	0
	2330	,,	1007·2	941·9	..	24·9	20·1	17·4	20·0	64	..	1·8	..	19·0	0	14	16	0	0	0	1	0	3	25	1	1	0
Poona	0530	559	1007·0	944·8	..	22·1	18·6	16·3	18·8	71	..	2·0	..	3.4	0	0	13	0	0	1	0	0	0	12	0	18	0
	0830	,,	1007·7	946·4	−0·3	26·8	20·0	16·1	18·4	54	0	2·1	+0·1	5·4	0	2	19	0	1	0	0	0	0	15	5	10	0
	1130	,,	1005·7	945.8	..	33·3	20·9	13·2	15·7	31	..	1·5	..	7·7	0	1	28	0	3	1	0	0	0	12	13	2	0
	1430	,,	1002.6	943.3	..	35.8	21.3	12·3	14·7	25	..	2.4	..	10.6	0	3	28	1	1	3	0	0	1	19	6	0	0
	1730	,,	1002.4	942.6	..	33.3	21.6	14.9	17·1	35	..	2.5	..	10·4	0	4	25	0	0	0	2	0	1	16	10	2	0
	2030	,,	1005·9	944·9	..	27·9	21.1	17·4	20·0	54	..	1·4	..	8·9	0	1	28	0	0	0	0	0	0	27	2	2	0
	2330	,,	1007·3	945·6	..	25·3	20·0	17·0	19·5	61	..	1·2	..	6·5	0	1	24	0	0	1	0	0	0	23	1	6	0
Jeur	0830	521	1006·5	949·4	+0.3	27·6	20·0	15.5	17·8	49	—9	2·5	−0.3	14·9	0	10	21	5	1	1	0	0	0	9	15	0	0
	1730	,,	999.5	944·7	..	38·2	20·5	8·2	11·2	17	..	3·8	..	11·0	0	7	24	3	2	3	0	0	2	11	10	0	0
Baramati	0830	551	1006·8	946·6	+0·7	27·4	20·9	17·1	20·0	55	—4	1·1	—1·9	12·8	0	5	26	7	0	0	0	0	0	11	13	0	0
	1730	,,	1000·4	942·2	..	36·7	23·4	16·2	19·0	32	..	2·1	..	14·9	0	7	24	7	2	1	1	1	4	8	7	0	0
Sholapur	0530	479	1005·1	952·4	..	26·5	20·2	16·7	19·0	56	..	2·7	..	5·9	0	0	28	4	1	2	0	0	0	9	12	3	0
	0830	,,	1006·5	954·4	—0·2	30·1	21·6	17·0	19.5	43	—5	1·6	—0·6	8·3	0	0	31	0	4	0	2	0	5	0	20	0	0
	1130	,,	1004·7	953·5	..	36·0	22·3	14·7	16·3	29	..	1·9	..	9.6	0	4	26	13	2	2	0	1	1	4	7	1	0
	1730	,,	999·6	949·3	..	38·0	22·3	13·2	15·4	24	..	4·1	..	9·9	0	3	26	7	2	0	1	1	3	7	8	2	0
	2330	,,	1004·6	952·6	..	30·9	20·8	14.9	17·1	39	..	2·2	..	9·7	0	2	28	3	0	1	0	3	1	10	12	1	0
Miraj	0830	554	1008.1	947·2	+0·2	25·5	21·1	18·7	21·8	68	—4	3·5	+0·8	..	..	..	..	0	0	0	0	0	0	11	9	11	0
	1730	,,	1001.9	943·0	..	34·2	21·1	12·8	15·5	31	..	4·5	..	..	..	..	..	0	0	1	1	1	0	23	2	3	0
Kolhapur	0530	570	1006·8	943·5	..	21·7	20·3	19·5	22·8	87	..	2·1	..	6·3	0	0	25	0	0	0	0	0	0	23	2	6	0
	0830	,,	1007·9	945·2	—0·2	25·7	21·4	19·2	22·4	68	—5	1·6	—1·1	6.4	0	1	26	0	0	2	0	0	0	23	2	4	0
	1130	,,	1006·2	944·9	..	32·1	21·8	15·9	18·5	39	..	1·1	..	8·0	0	0	30	2	2	2	0	0	0	22	2	1	0
	1730	,,	1002·5	941·5	..	32·3	22·4	17 2	19·7	43	..	3·1	..	18·5	0	12	19	0	0	0	0	0	1	27	3	0	0
	2330	,,	1007·3	944·4	..	24·1	20·8	19·1	22·1	74	..	1·1	..	12·5	0	6	24	0	0	0	1	0	0	26	3	1	0
Marathwada Aurangabad	0830	581	1006·6	943·6	—0·3	29·9	18·7	10·5	13·4	33	—11	1·6	—0·1	15·3	0	10	19	5	2	1	0	0	3	12	6	2	0
	1730	,,	1000·2	939·1	..	37·6	19·7	6·3	9·8	15	..	3·5	..	7·2	0	1	27	5	3	1	0	0	0	14	5	3	0
Aurangabad (Chikalthan)	0230	579	1004·4	941·1	..	26·9	18·4	12·3	15·0	43	..	2·0	..	12·1	0	5	21	1	0	0	0	0	0	17	8	5	0
	0530	,,	1005·2	941·5	..	25·1	17·6	12·2	14·7	47	..	2·1	..	8·7	0	2	19	1	0	0	0	0	0	14	6	10	0
	0830	,,	1005·8	943·1	..	30·0	19·8	13·1	15·7	38	..	2·1	..	16·1	0	8	21	4	2	0	0	0	1	14	8	2	0
	1130	,,	1004·3	942·7	..	35·2	20·8	11·2	14·0	26	..	1·7	..	19·9	0	14	17	9	3	0	0	0	0	7	12	0	0
	1430	,,	1001·3	940·3	..	37·5	21·7	11·5	14·4	23	..	3·6	..	14·4	0	6	22	3	1	1	0	0	3	9	11	3	0
	1730	,,	999.8	938·8	..	37·3	21·7	11·5	14·5	22	..	3·8	..	14·5	0	6	23	4	1	0	0	0	1	10	13	2	0
	2030	,,	1002·7	940·8	..	32·5	19·8	11·0	13·7	28	..	2·3	..	12·8	0	7	20	6	0	1	0	1	1	9	9	4	0
	2330	,,	1004·7	941·9	..	29·6	18·9	11·7	14·0	34	..	1·6	..	13·6	0	4	24	1	0	0	0	0	1	15	11	3	0
Parbhani	0830	423	1006·1	960·0	+1·2	31·1	18·7	8·0	11·5	25	—20	1·9	—0·7	7·4	0	1	29	2	0	0	2	0	1	4	21	1	0
	1730	,,	999·8	955·1	..	39·5	20·0	2·0	7·5	10	..	4.3	..	10·4	0	3	24	7	2	0	1	1	1	5	10	4	0
Nander	0830	358	1005·1	966·1	..	33·0	21·4	13·8	16·2	33	..	2·9	..	5·6	0	0	31	1	1	0	0	0	4	9	6	10	0
	1730	,,	1000·4	962·4	..	39·2	23·0	12·5	14·9	21	..	4·5	..	5·0	0	0	25	2	2	0	0	1	4	8	8	6	0
Bir	0830	519	1007·3	950·6	..	29·0	20·6	15·2	18·1	45	..	1·8	..	9·0	0	0	30	0	2	0	1	0	2	0	25	1	0
	1730	,,	1001·0	946.3	..	38.1	21·5	10.9	13.4	21	..	2.9	..	8.5	0	0	31	1	6	0	2	0	4	0	18	0	0
Vidarbha Gondia	0830	313	1004.2	970.1	+0·5	33.1	22.1	15.3	17.6	36	—1	3·0	+0.8	3.6	0	0	29	5	3	1	2	6	5	0	7	2	0
	1730	,,	998·8	965·9	..	40·0	23·4	12·4	14·2	21	..	3·0	..	3·6	0	0	29	7	0	0	1	3	1	5	12	2	0
Nagpur (Sonegaon)	0230	310	1001·7	967·7	..	29·8	17·7	7·0	10·4	26	..	3·0	..	5.5	0	1	21	3	0	1	0	3	3	4	8	9	0
	0530	,,	1002·8	968·6	..	28·5	17·7	8·4	11·3	30	..	3·8	..	6·3	0	1	22	2	1	1	0	1	2	5	10	8	0
	0830	,,	1003·9	970·3	—0.2	34·1	20·0	8·8	11·9	23	—7	(a) 2·7	+0·6	12·9	0	6	23	6	2	1	1	2	5	1	11	2	0
	1130	,,	1002·7	970·2	..	39·0	21·0	6·2	10·2	15	..	(c) 2·2	..	14·1	0	6	25	10	4	3	1	0	3	1	8	0	1
	1430	,,	998·8	967·0	..	40·5	20·9	4·0	8·4	12	..	(b) 4·9	..	10·2	0	5	26	4	2	2	2	4	2	5	10	0	0
	1730	,,	998·7	965·8	..	39·5	20·5	3·7	8·7	13	..	(c) 4·9	..	8·0	0	3	23	3	1	0	3	1	2	4	12	5	0
	2030	,,	1000·9	967·4	..	34·7	19·2	5·9	9·5	18	..	3·2	..	6·4	0	1	24	1	2	0	2	4	1	3	12	6	0
	2330	,,	1002·4	968·3	..	31·8	18·2	6·4	9·9	22	..	2·7	..	6·7	0	2	23	2	1	0	0	1	2	10	9	6	0
Amraoti	0830	370	1004·8	964·5	—0·1	31·2	19·6	10·6	13·4	29	—6	3·0	+1·4	5·3	0	0	31	1	3	2	0	4	8	11	2	0	0
	1730	,,	999·3	960·2	..	39·2	21·6	8·2	11·3	17	..	3·2	..	6·1	0	0	31	6	2	0	0	1	4	7	11	0	0
Akola Aerodrome	0530	309	1002·7	968·7	..	28·9	18·9	11·3	13·4	35	..	3·5	..	12·8	0	0	31	2	0	0	0	2	4	11	12	0	0
	0830	,,	1004·6	970·7	..	31·6	21·3	13·8	16·9	36	..	2·9	..	13·5	0	4	27	0	2	0	0	0	4	14	11	0	0
	1130	,,	1003·4	970·2	..	34·1	22·6	12·7	14·7	25	..	2·0	..	16·3	0	9	22	3	2	0	0	0	1	13	12	0	0

(a) Mean of 30 days. (b) Mean of 29 days. (c) Mean of 28 days. (e) Means of 26 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed Km. per hour	Wind speed (Km.p.h.): 62 or more	20 to 61	1 to 119	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Vidarbha Akola Aerodrome—(*contd.*)	1730	309	998·8	966.5	..	39·6	22·4	9·8	13·0	20	..	4·2	..	14·6	0	7	24	2	2	1	0	0	7	12	7	0	0
	2330	,,	1002·2	968.7	..	32·8	19.6	9.2	11·6	25	..	3·1	..	12·1	0	0	30	2	0	0	0	2	2	15	9	1	0
Akola	0830	282	1005·2	974·2	—0·2	31·7	20.6	12·7	15·3	33	—3	2·8	+1·0	2·7	0	0	29	0	0	0	0	0	0	27	2	2	0
	1730	,,	999·4	969·4	..	40·0	21·8	8·1	11.2	16	..	4·1	..	2·3	0	0	25	1	2	1	0	0	1	12	8	6	0
Bramhapuri . . .	0830	229	1004.4	979·3	..	32.6	21·4	14.2	16.4	35	..	2·6	..	6·6	0	0	31	4	3	2	4	8	3	4	1	0	2
	1730	,,	999.2	974·9	..	40·6	22·3	8·8	11·8	16	..	2·8	..	5·8	0	0	29	3	1	2	1	5	4	4	9	2	0
Buldhana . . .	0830	650	1005·6	935·2	+0·7	28·5	18·5	11·5	14·0	37	—14	2·1	—0·8	12.1	0	6	24	5	0	0	0	0	2	2	21	1	0
	1730	,,	999.5	931·3	..	36·5	19·5	6·9	10·2	17	..	3·9	..	6.1	0	0	27	3	3	0	1	0	0	0	20	4	0
Yeotmal . . .	0830	451	1004·5	955·6	+0·6	32·3	19·1	7·8	11·4	24	—14	3·2	+0·1	13·9	0	6	25	4	0	2	0	1	3	17	4	0	0
	1730	,,	998·5	950·1	..	39·5	19·5	1·9	6·8	11	..	4·4	..	9.0	0	2	29	8	2	3	0	2	1	12	3	0	0
Chanda . . .	0330	193	1004·3	983·2	—0·5	33·2	21·0	12·1	14·9	30	—3	2·7	+0·7	10·0	0	4	26	2	1	1	3	5	4	6	8	1	0
	1730	,,	998·9	978·3	..	40·5	21·8	7·8	10·9	15	..	4·1	..	7·5	0	1	30	4	6	3	3	2	2	6	5	0	0
Pusad	0830	334	1005·2	968·8	..	32·8	19·7	9·5	12·3	25	..	2·3	..	11·2	0	4	27	1	0	0	1	1	7	2	19	0	0
	1730	,,	998·5	964·4	..	39·9	20·7	4·8	8·8	15	..	3·1	..	6·5	0	1	30	2	2	2	1	1	9	2	12	0	0
Sironcha . . .	0830	123	1005·8	991·5	0·0	31·8	23·1	17·9	21·1	46	—6	3·6	+0·3	3·9	0	0	31	3	2	0	18	1	4	0	3	0	0
	1730	,,	998·6	986·5	..	40·5	24·0	14·0	16·6	22	..	4·5	..	6·1	0	0	31	6	2	3	10	2	1	1	6	0	0
Coastal Andhra Pradesh																											
Kalingapatam . .	0830	6	1005·1	1004·5	—0·3	30·9	27.6	26·3	34·2	77	+5	3·5	0	13·5	0	8	23	3	2	0	1	8	8	0	0	0	9
	1730	,,	1002·3	1001·7	..	30·9	28.1	27·0	35·7	80	..	3·8	..	20·3	0	13	18	0	1	0	4	7	8	0	0	0	11
Vishakhapatnam* .	0230	3	1003·2	1002·8	..	28·4	26·3	25·4	32·6	84	..	4·2	..	3·5	0	0	13	1	0	0	1	0	7	3	1	18	0
	0530	,,	1003·8	1003·4	..	27·9	25·8	25·0	31·5	84	..	3·9	..	2·2	0	0	7	0	1	1	0	0	2	2	1	24	0
	0830	,,	1005·3	1004·9	—0·5	31·3	26·5	24·4	30·5	67	—7	3.6	—1·1	9·6	0	3	18	0	1	0	2	1	10	6	1	10	0
	1130	,,	1004·7	1004·3	..	34·6	27·3	24·3	30·4	55	..	3·8	..	15.8	0	10	18	0	1	2	5	5	11	2	2	3	0
	1430	,,	1002·3	1001.9	..	34·4	27·7	25·0	31·5	59	..	3·9	..	18·5	0	2	29	0	0	2	8	6	14	0	1	0	0
	1730	,,	1002·1	1001·7	..	31·6	27·3	25·6	32·6	71	..	4·8	..	14·5	0	5	26	1	1	2	5	6	15	0	1	0	0
	2030	,,	1004·3	1003·9	..	29·7	26·8	25·6	33·0	79	..	4·1	..	8·6	0	1	25	1	1	1	5	2	10	4	1	5	1
	2330	,,	1004·7	1004·3	..	28·9	26·5	25·5	32·6	82	..	3·7	..	5·9	0	1	20	0	1	1	3	0	10	5	1	10	0
Kakinada . . .	0830	8	1005·6	1004·7	—0·6	29·9	26·2	24·5	30·7	73	+2	5.7	+1·3	9·0	0	0	31	0	5	0	8	1	10	2	5	0	0
	1730	,,	1001·7	1000·8	..	32·5	26·8	24·3	31·8	63	..	4·2	..	16·5	0	12	19	0	1	0	22	5	3	0	0	0	0
Nidadavole . . .	0830	12	1005·7	1004·3	..	29·8	26·7	25·4	32·6	77	..	5·9	..	6·2	0	0	29	1	2	6	2	2	8	8	0	2	0
	1730	,,	1001.3	999·9	..	34·9	26·4	22·5	27·6	50	..	3·8	..	10·3	0	1	30	0	1	2	10	8	6	3	1	0	0
Rentachintala . .	0830	106	1005·3	993·6	..	32·9	25·7	22·4	27·1	55	+2	3·3	—0·9	2·5	0	0	24	0	0	1	2	7	4	9	1	7	0
	1730	,,	1000·1	988·7	..	40·7	26·4	19·4	22·7	30	..	3·9	..	2·1	0	0	27	7	0	10	0	6	0	4	0	4	0
Gannavaram . .	0230	24	1003·2	1000·5	..	28·1	25·3	23·9	30·0	80	..	4·0	..	7·8	0	2	22	1	0	10	3	5	2	2	1	7	0
	0530	,,	1003·8	1001.1	..	27·5	25·2	24·0	30·0	83	..	4·1	..	5.8	0	2	17	1	0	7	2	3	2	2	2	12	0
	0830	,,	1005·5	1002.8	0	30·7	26·3	24·2	30·5	70	+4	5·1	+1·0	11.5	0	5	23	0	0	4	5	7	6	4	2	3	0
	1130	,,	1004·4	1001·8	..	35·8	25·8	20·9	25·0	44	..	3·6	..	13.6	0	5	24	2	0	3	5	7	3	5	4	2	0
	1430	,,	1001·7	999·1	..	38·1	25·9	19·7	23·5	36	..	3·7	..	12·9	0	5	24	2	2	1	7	10	2	0	5	2	0
	1730	,,	1001·0	998·4	..	36·4	25·8	20·1	24.6	42	..	3·9	..	14·1	0	9	19	1	0	4	7	11	1	1	3	3	0
	2030	,,	1003·4	1000·7	..	31·3	25·3	22·3	27·3	62	..	3.4	..	11·7	0	3	25	1	0	5	5	14	1	1	1	3	0
	2330	,,	1004·1	1001·4	..	29.6	25·4	23·2	28·9	72	..	3·7	..	7·3	0	1	21	0	0	6	4	8	1	2	1	9	0
Nagarjunakonda (R) .	0830	126																									
(R)	1730	,,																									
Masulipatam . .	0830	3	1005.6	1005.3	—0·4	30·5	26.3	24·5	30.7	71	—1	6.5	+2·8	3.4	0	0	28	1	0	1	3	9	6	6	0	3	2
	1730	,,	1002·1	1001·8	..	33·0	27·1	24·5	30·7	63	..	5·0	..	4·0	0	0	31	1	0	9	10	4	3	0	1	0	3
Ongole . . .	0830	12	1005·2	1003·9	..	32·6	27·6	25·7	32·8	70	..	4·0	..	4·3	0	0	25	0	1	0	17	0	1	6	0	6	0
	1730	,,	1001·1	999·8	..	35·2	28·4	25·4	33·0	59	..	3·6	..	5·2	0	0	27	0	0	1	21	0	0	3	2	4	0
Nellore . . .	0530	20	1003·8	1001·6	..	28·5	25·0	23·3	28·9	76	..	5·9	..	3.7	0	0	22	1	0	0	10	2	1	6	2	9	0
	0830	,,	1005·5	1003·6	— ·2	32·0	26·0	23·3	28·6	61	+1	6·1	+2·3	10·6	0	6	23	1	0	0	14	0	1	11	2	2	0
	1130	,,	1004·9	1002·7	..	36·5	26·6	22·1	26·6	44	..	5·9	..	11·1	0	5	26	1	0	0	12	1	5	11	1	0	0
	1730	,,	1001.7	995·5	..	35·0	26·8	24.6	31·7	52	..	5.8	..	9·9	0	0	31	0	0	0	22	0	5	3	1	0	0
	2330	,,	1004.5	1002·3	..	30·1	26·3	24·7	31·1	74	..	5.8	..	3·1	0	0	24	0	0	0	16	0	1	6	1	7	0
Telangana Ramagundam . .	0830	156	1004.4	987·2	—0·2	32·8	23·1	17·4	20·0	42	—4	2.3	—0·9	6·5	0	0	31	0	2	2	5	8	5	1	8	0	0
	1730	,,	999·3	982·4	..	41·1	23·4	11·3	14·3	19	..	2·9	..	4·1	0	0	31	9	4	4	7	0	1	3	3	0	0
Nizamabad . . .	0830	381	1005·2	963·6	—0·4	31·5	20·5	12·9	15·1	33	—8	2·6	+0·4	5·0	0	1	17	1	1	0	0	1	4	6	5	13	0
	1730	,,	999·2	959·0	..	40·0	22·5	10·3	12·9	18	..	4·3	..	4·2	0	0	15	2	1	1	1	1	0	6	3	16	0
Hanamkonda . .	0830	269	1004·5	975·4	—0·6	30·8	23·1	18·6	22·4	51	+4	2·3	—0·7	2·3	0	0	31	6	1	2	1	15	2	2	2	0	0
	1730	,,	1000·9	972·7	..	39.2	22·3	12·4	15·1	22	..	2·6	..	2·0	0	0	31	15	0	1	1	7	1	2	4	0	0

(R) Register not received.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g. p. m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed kms. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Telangana—(*Contd.*) Hakimpet (Aerodrome)	0530	613	1004·1	937·2	..	26.0	21.2	18.4	21.7	64	..	4·8	..	12·8	0	4	25	2	2	0	4	3	2	7	9	2	0
	0830	,,	1004·6	938·6	..	30·3	22·7	18·8	22·0	52	..	4·2	..	16 1	0	8	23	5	2	0	3	2	2	4	13	0	0
	1130	,,	1003·1	938·3	..	35·5	24·3	18.9	22·1	39	..	4·1	..	18·5	0	10	21	10	1	0	1	2	3	2	12	0	0
	1730	,,	999·9	935.5	..	36·8	24·0	17·4	19·9	33	..	4·6	..	12·5	0	3	25	9	2	1	4	2	2	0	8	3	0
	2330	,,	1003·4	937·3	..	29·7	21·8	17·6	20·2	50	..	3·4	..	9·5	0	1	25	0	0	0	7	5	4	3	7	5	0
Bhadrachalam	0830	111	1004·8	992·7	−0·4	31·3	25·7	23·0	28·1	63	+2	3·6	−0·4	2·2	0	0	31	0	17	0	7	0	0	0	7	0	0
	1730	,,	999·9	985·0	..	38·3	24·8	16·2	20·1	31	..	4·7	..	3·6	0	0	31	0	17	0	8	0	3	0	3	0	0
Hyderabad (Begampet)	0230	545	1002·9	943·8	..	28·7	19·5	13·5	15·9	42	..	3·2	..	8·9	0	2	25	1	0	3	6	1	3	5	8	4	0
	0530	,,	1003·8	944·3	..	26·9	19·3	14·4	16·8	49	..	4·2	..	8·7	0	3	24	1	2	2	3	1	2	3	13	4	0
	0830	,,	1005·1	946·1	−0·2	30·1	20·1	13·7	16·2	39	−12	4·3	+1·3	13·9	0	9	21	7	0	0	2	3	2	3	13	1	0
	1130	,,	1003·4	945·6	..	35·6	20·5	10·4	13·0	23	..	3·7	..	15·6	0	9	22	8	3	0	2	2	1	1	14	0	0
	1730	,,	999·3	942·0	..	37·6	20·4	8·5	11·5	18	..	4·6	..	11·3	0	2	29	9	4	1	5	3	1	1	7	0	0
	2330	,,	1003·7	944·8	..	29·8	19·9	13·6	16·0	40	..	3·7	..	9·4	1	2	22	2	0	1	9	1	1	3	8	6	0
Khammam	0830	112	1005·1	992·7	..	31·0	25·2	22·5	27·3	61	..	5·2	..	4·3	0	0	29	1	0	6	7	12	2	1	0	2	0
	1730	,,	999·9	987·9	..	37·5	24·8	16·7	19·3	28	..	4·6	..	4·1	0	1	24	6	0	5	4	5	1	1	3	6	0
Mahbubnagar	0830	505	1005·1	950·4	..	31·1	20·9	14·9	17·1	39	..	3·6	..	10·3	0	2	28	4	0	2	1	1	4	3	15	1	0
	1730	,,	999·3	946·1	..	37·7	21·0	10·1	12·6	20	..	5·3	..	6·6	0	1	29	5	5	8	2	1	3	4	2	1	0
Rayalaseema Kurnool	0830	281	1006·2	975·1	−0·7	29·9	23·1	19·4	22·7	54	−1	3·3	+0·2	12·1	0	7	20	0	0	0	1	0	7	0	19	4	0
	1730	,,	999·6	970·0	..	38·6	23·5	13·7	16·5	25	..	4·9	..	7·0	0	0	30	1	1	0	6	0	2	2	17	1	1
	0830	212	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Anantapur	0530	350	1004·9	966·1	..	26·5	22·6	20·5	24·1	70	..	4·7	..	11·6	0	4	20	0	0	3	0	0	6	13	2	7	0
	0830	,,	1006·5	968·0	+0·2	29·0	23·6	20·9	24·7	62	+1	3·9	+0·3	14·5	0	9	21	1	1	1	2	0	6	17	2	1	0
	1130	,,	1005·0	967·2	..	35·6	23·8	17·8	19·9	38	..	3·3	..	12.8	0	4	23	3	0	1	3	0	5	10	5	4	0
	1430	,,	1001·4	964·1	..	38·0	23.5	14·8	17·1	26	..	4·4	..	11·2	0	2	26	4	5	2	2	0	4	6	5	3	0
	1730	,,	1000·0	962·7	..	37·7	23·5	15·1	17·3	27	..	4·9	..	10·5	0	1	26	2	6	2	2	0	3	4	8	4	0
	2030	,,	1002·7	964·9	..	33·4	22·6	16·3	18·6	37	..	3·8	..	7·2	0	2	15	0	1	4	2	0	1	6	3	14	0
	2330	,,	1004·4	966·2	..	30·6	22·5	17·8	20·6	47	..	3·3	..	17·2	0	13	14	0	0	7	1	3	4	12	0	4	0
Cuddapah	0830	130	1006·5	992·1	−0 6	31·7	24·1	20.3	23·8	52	−2	3·4	+0·2	2·9	0	0	17	0	0	0	0	0	0	17	0	14	0
	1730	,,	1000·8	986·7	..	38·7	25·2	18·2	21·0	31	..	4·2	..	1·6	0	0	12	0	0	4	1	0	0	6	1	19	0
Arogyavaram	0830	701	1006·5	930·7	..	27·5	23·4	21·5	25·3	70	..	3·3	..	9·0	0	3	27	6	5	1	4	1	0	0	13	1	0
Madras State (Including Pondichery)	1730	,,	1000·6	926·6	..	34·0	22·8	16·8	18·6	39	..	4·0	..	11·0	0	2	29	3	6	8	0	0	2	2	10	0	0
Madras	0830	6	1006·1	1005·4	..	31·5	25·9	23·4	28·8	63	..	4·8	..	10·1	0	4	27	0	0	1	7	2	11	10	0	0	0
	1730	,,	1002·3	1001·7	..	32·3	26.3	24·2	30·2	64	..	4·6	..	6·4	0	0	24	0	1	6	13	2	1	0	1	7	0
Madras (Minambakkam)	0230	16	1003·9	1002·3	..	29·0	25·5	23·8	29.7	75	..	3·6	..	9·4	0	2	23	0	1	0	5	11	5	2	1	6	0
	0530	,,	1004·4	1002·7	..	28·4	24·9	23·1	28·6	75	..	5·2	..	8·2	0	2	18	0	0	0	1	6	4	9	0	11	0
	0830	,,	1006·1	1004·4	−0·5	31·3	25·6	22·9	28·3	62	+2	5·5	+2·1	14·0	0	6	24	1	0	0	1	11	7	10	0	1	0
	1130	,,	1005·3	1003·5	..	35·7	25·5	20·5	24·3	42	..	5·5	..	17·9	0	12	18	0	0	1	2	10	2	9	6	1	0
	1430	,,	1002·8	1001·1	..	37·1	26·4	21·2	25.6	42	..	4·9	..	15·8	0	9	21	0	2	6	7	5	1	6	3	1	0
	1730	,,	1002·4	1000·7	..	33·4	26·3	23·0	28·3	56	..	5·5	..	16·3	0	8	23	0	2	8	13	5	0	2	1	0	0
	2030	,,	1004·5	1002·8	..	30·3	26·5	24·8	31·5	73	..	3·3	..	14·7	0	6	25	0	1	3	12	13	1	0	0	0	1
	2330	,,	1005·2	1003·5	..	29·4	26·3	25·0	31·5	77	..	3·0	..	12·5	0	4	26	0	0	1	9	16	3	0	1	1	0
Vellore	0530	214	1005·0	981·1	..	27·0	23·5	21·8	25·9	73	..	3·3	..	1·7	0	0	10	0	1	0	0	1	0	8	0	21	0
	0830	,,	1006·5	982·7	+0·1	29·3	24·4	21·9	26·3	65	+2	4·4	+1·8	7·5	0	2	24	1	1	0	0	1	3	13	7	5	0
	1130	,,	1005·6	982·2	..	34.5	25·0	20·2	24·1	44	..	4·6	..	6·4	0	0	31	1	0	0	3	2	6	16	3	0	0
	1730	,,	1001·8	978·6	..	35·7	24·0	17·5	20·0	36	..	5·6	..	9·2	0	1	29	4	2	5	4	6	1	4	4	1	0
	2330	,,	1005·5	981·8	..	30·2	23·8	20·5	24·3	57	..	2·1	..	3·5	0	0	18	0	0	3	9	4	1	1	0	13	0
Tambaram (Aerodrome)	0830	29	1005·9	1002·7	..	31·5	26·5	24·3	30·4	64	..	5·8	..	18·6	0	13	18	1	0	0	1	9	9	10	1	0	0
	1730	,,	1002·6	999·3	..	34·6	26·7	23·2	28·4	56	..	5·3	..	22·6	0	20	10	0	1	8	13	4	0	4	0	1	0
Tiruppattur	0830	390	1008·0	964·9	..	27·6	24·1	22·3	27·0	72	..	7·4	..	3·5	0	0	31	26	1	1	0	1	0	1	1	0	0
	1730	,,	1002·5	960·3	..	32·2	23·1	19·1	22·0	48	..	7·9	..	7·4	0	0	31	19	6	2	1	1	0	2	0	0	0
Mettur Dam R.S.	0830	,,	..	..	..	29·7	25·9	24·5	30·4	73	..	2·6	..	3·5	0	0	30	0	12	0	9	0	6	0	3	1	0
	1730	,,	..	..	..	34·0	29·0	27·1	35·7	67	..	5·4	..	4·8	0	0	31	0	5	0	3	0	13	0	10	0	0
Cuddalore	0530	12	1004·6	1003·3	..	27·2	24·9	23·9	29·7	82	..	3·8	..	1·4	0	0	10	0	0	0	2	4	4	0	0	21	0
	0830	,,	1006·5	1005·2	−0·7	30·1	25·7	23·8	29·5	71	+3	5·0	+1·7	6·1	0	0	28	0	0	0	6	4	15	2	1	3	0
	1130	,,	1005·9	1004·6	..	34·1	26·4	22·9	27.9	53	..	4·6	..	8·3	0	0	31	0	0	1	15	3	6	5	1	0	0
	1730	,,	1002·7	1001·4	..	31·9	27·0	24·9	31·5	68	..	4·7	..	12·0	0	1	29	0	0	0	24	2	3	1	0	1	0
	2330	,,	1005·7	1004·4	..	29·1	25·9	24·4	30·7	77	..	3·5	..	7·5	0	0	27	0	0	0	17	7	3	0	0	4	0

Sub-Division and station	Hours of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g. p. m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed Kms. per hour	Wind speed (Km. p. h.): 62 or more	Wind speed (Km. p. h.): 20 to 61	Wind speed (Km. p. h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madras State (including Pondicherry)—(*Contd.*)Kallakkurichchi	0830	127	1006·0	992·1	..	30·3	25·8	23·9	29·7	69	..	3·9	..	5·3	0	0	29	0	1	1	8	0	19	0	0	2	0
	1730	,,	1001.7	987·9	..	36·3	26·6	22·0	26·9	45	..	5·0	..	9·9	0	1	30	0	4	2	7	0	15	3	0	0	0
Salem . . .	0530	278	1005·6	974·5	..	25·9	22·7	21·1	25·0	75	..	6·0	..	1·5	0	0	11	0	0	1	0	4	3	2	1	20	0
	0830	,,	1007·2	976·3	−0·7	28·4	23·7	21·3	25·6	66	−5	5·5	+2·1	1·6	0	0	12	1	0	0	0	1	5	5	0	19	0
	1130	,,	1006·0	975·6	..	32.9	23·9	19·2	22·4	45	..	5·7	..	7·0	0	0	31	0	2	0	0	2	4	13	4	0	6
	1730	,,	1001·7	971·6	..	34·6	23·5	17·1	19·9	37	..	6·4	..	4·7	0	0	22	0	0	5	1	2	2	9	1	9	2
	2330	,,	1006·3	975·5	..	28·5	23·3	20·7	24·1	63	..	5·3	..	5·9	0	0	23	0	0	6	1	3	6	7	0	8	0
Coimbatore (Pilamedu)	0530	399	1006·4	961·8	..	23·5	23·1	22·8	27·6	96	..	4·0	..	12·7	0	3	23	1	0	0	0	11	14	0	0	5	0
	8330	,,	1007·9	963·6	..	26·3	24·2	23·2	28·6	84	..	4·4	..	13·6	0	8	20	1	2	0	0	14	11	0	0	3	0
	1130	,,	1006·7	963·2	..	31·0	25·6	23·9	28·4	63	..	4·6	..	18·3	0	14	16	0	1	3	2	16	8	0	0	1	0
	1730	,,	1003·4	959·9	..	29·9	25·0	22·7	27·6	67	..	5·7	..	29·4	0	29	2	0	1	2	0	16	11	0	1	0	0
	2330	,,	1007·4	963·0	..	25·1	24·1	23·6	28·9	92	..	3·7	..	21·9	0	21	10	0	1	0	0	14	15	1	0	0	0
Coimbatore . .	0830	409	1007.7	962.4	−0·5	26·9	23·5	21·8	26·1	74	−4	4·3	+0·9	16·6	0	13	18	1	3	3	1	12	11	0	0	0	0
Nagapattinam . .	0830	9	1007.1	1006·0	−0·5	29·9	25·1	22·9	27·9	67	−2	6·2	+2·4	11·7	0	2	29	1	0	0	2	2	17	7	2	0	0
	1730	,,	1003·3	1002·2	..	31·9	26·7	24·5	30·7	66	..	5·8	..	17.3	0	10	21	0	0	2	13	7	8	0	1	0	0
Tiruchchirappalli .	0230	88	1004·7	994·9	..	28·0	24·5	22·8	27·7	74	..	4·3	..	14.2	0	11	14	0	0	0	2	5	3	14	1	6	0
	0530	,,	1004·9	995·1	..	27·1	24·3	22·8	28·1	78	..	4·8	..	14·2	0	11	13	0	0	1	2	2	0	17	2	7	2
	0830	,,	1006·5	996·7	−1·3	29·7	25·2	23·8	29·5	68	+3	5·2	+1·8	22·5	0	19	10	1	1	0	0	0	3	23	1	2	0
	1130	,,	1005·8	996·1	..	34·3	26·3	22·5	27·6	52	..	5·5	..	23·3	0	18	12	1	0	1	0	0	2	21	5	1	0
	1430	,,	1002·8	993·3	..	36·7	26·8	22·4	27·1	45	..	5·7	..	21·4	0	15	16	0	4	5	1	0	1	15	5	0	0
	1730	,,	1002·1	992·5	..	35·2	26·4	22·1	27·3	49	..	6·0	..	19·1	0	7	20	0	4	4	3	0	3	10	3	4	0
	2030	,,	1005·1	995·3	..	30·9	25·5	23·0	28·1	64	..	3·8	..	20·1	0	15	15	0	1	2	9	4	4	10	0	1	0
	2330	,,	1006·2	996·3	..	29·1	24.8	22·6	27·7	69	..	4·0	..	16·6	0	9	21	1	0	1	5	8	3	11	1	1	0
Vedaranniyam . .	0830	4	1007·9	1007·4	..	30·8	26·8	25·1	31·9	72	..	1·4	..	3·0	0	0	31	1	1	0	2	8	17	1	1	0	0
	1730	,,	1004·7	1004·2	..	30·6	27·1	25·7	33·0	76	..	1·6	..	3·7	0	0	31	0	0	0	2	9	19	0	1	0	0
Atirampattinam .	0830	6	1006·8	1006·1	..	29·9	25·6	23·7	29·3	69	..	5·1	..	7·7	0	0	31	1	4	0	1	5	8	4	8	0	0
	1730	,,	1003·4	1002·7	..	30·7	27·1	25·5	32·6	73	..	5·0	..	17·0	0	11	20	0	0	0	9	16	5	1	0	0	0
Madurai . . .	0830	133	1006·8	992·2	−0·8	29·2	24·0	21·2	25·6	62	−1	3·3	−1·0	5·5	0	0	29	5	1	1	0	2	0	3	17	2	0
Madurai (Aerodrome)	0530	131	1005·3	990·5	..	26·5	23·8	22·4	27·3	79	..	5·2	..	4·4	0	0	17	1	3	1	0	0	2	3	7	14	0
	0830	,,	1007·0	992·3	..	29·8	24·7	22·3	26·9	65	..	5·3	..	10·3	0	0	29	5	5	1	0	1	1	2	14	2	0
	1130	,,	1006·1	991·7	..	34·2	25·5	21·2	25·5	47	..	5·3	..	11.0	0	3	27	5	4	1	3	1	2	7	6	1	1
	1730	,,	1002·8	988·4	..	34·1	25·3	21·1	25·0	48	..	5·7	..	17·3	0	12	19	2	2	4	6	4	1	10	2	0	0
Tondi .	0830	5	1007·2	1006·6	..	29·8	25·7	24·0	29·7	71	..	4·7	..	6·5	0	1	20	1	0	1	0	12	7	0	0	10	0
	1730	,,	1003·1	1003·7	..	30·7	27·3	25·9	33·4	76	..	4·5	..	28·9	0	26	5	0	0	1	7	23	0	0	0	0	0
Pamban . . .	0830	11	1007·1	1005·8	−0·8	29·3	26·9	26·0	33·4	82	+4	5·0	+2·3	5·8	0	0	29	0	0	1	2	13	9	3	1	2	0
	1730	,,	1004·2	1002·9	..	30·0	27·6	26·6	35.0	82	..	4.3	..	8·8	0	0	31	0	0	1	9	12	9	0	0	0	0
Tuticorin . . .	0830	4	1007·4	1007·0	−0·1	30·2	25·1	22·8	27·6	65	−1	4·6	+0·7	10·8	0	6	25	1	4	1	0	2	3	14	6	0	0
	1730	,,	1004·0	1003·6	..	32·0	25·6	22·6	27·6	59	..	5·1	..	21·8	0	10	21	0	0	0	6	11	2	10	2	0	0
Palayankotttai	0830	51	1007·2	1001·5	−0·2	30·5	24·2	21·1	25·0	58	−2	5·8	+2·0	7·9	0	5	21	4	0	0	0	1	0	19	2	5	0
	1730	,,	1003·9	998·3	..	32·3	24·3	20·2	23·7	50	..	6·4	..	15·0	0	11	18	0	2	0	2	4	2	12	6	2	1
Kannyakumari	0830	37	1007·8	1003·7	..	28·4	24·6	22·8	27·7	72	..	5·8	..	18·5	0	15	16	0	0	1	0	0	2	22	6	0	0
	1730	,,	1005·2	1001·1	..	29·4	25·1	23·0	28·3	70	..	6·0	..	19·6	0	19	12	0	0	0	0	0	3	21	7	0	0
Coastal Mysore Karwar . .	0830	4	1009·1	1008·5	+1·1	29·0	26·2	25·0	31·1	78	−2	3·6	−1·4	9·1	0	2	29	0	1	1	0	0	0	0	22	0	7
	1730	,,	1005·9	1005·4	..	30·2	27·1	25·2	33·4	74	..	3·0	..	18·3	0	7	24	0	0	0	0	0	0	0	27	0	4
Honawar . . .	0830	26	1009·1	1006·3	+0·3	28·2	24·9	23·4	28·7	75	−2	5·9	+0·5	3·8	0	0	29	4	2	9	2	1	3	3	5	2	0
	1730	,,	1006·0	1003·1	..	30·7	25.9	23·9	29·5	67	..	5·4	..	8·8	0	0	31	1	0	0	0	2	9	7	12	0	0
Mangalore (Bajpe)	0230	102	1007·1	995·7	..	26·5	24·6	23·7	29·3	85	..	5·8	..	3·0	0	0	11	0	1	3	1	0	0	0	6	20	0
	0530	,,	1007·3	995·8	..	25·9	24·3	23·5	29·1	87	..	5·4	..	2·6	0	0	13	1	4	4	2	0	0	0	2	18	0
	0830	,,	1009·0	997·6	..	28·8	25·4	23·9	29·7	75	..	5·5	..	5·0	0	0	22	3	3	6	2	0	1	0	7	9	0
	1130	,,	1008·5	997·4	..	31.8	25·8	23·1	28·3	61	..	5·3	..	11·5	0	2	28	1	0	0	0	0	0	9	17	1	3
	1430	,,	1006·4	995·1	..	32·5	26·0	23·3	28·3	60	..	5·4	..	18·6	0	13	18	1	0	0	0	0	2	14	14	0	0
	1730	,,	1005·8	994·5	..	30·2	25·6	23·5	29·1	68	..	6·2	..	15·0	0	7	24	1	0	0	0	0	0	12	18	0	0
	2030	,,	1007·8	996·4	..	28·1	25·3	24·0	30·0	79	..	5·4	..	8·8	0	1	27	1	0	0	0	0	0	8	10	3	0
	2330	,,	1008·6	997·1	..	27·4	25·1	24·1	30·0	82	..	5·6	..	6·3	0	0	23	1	0	1	2	0	0	3	16	8	0
Manglore . . .	0830	22	1009·1	1006·6	−0·4	29·2	25·2	23·8	28·8	72	−2	4.2	−0·7	3.9	0	0	30	4	0	14	2	0	0	2	2	1	4
	1730	,,	1006·0	1003·6	..	30·8	26·6	24·8	31·3	71	..	4·4	..	9.3	0	2	29	1	0	0	0	0	1	3	19	0	7

Sub-Division and station	Hours of observation I.S.T	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean Temperature in °C: Dry bulb	Mean Temperature in °C: Wet bulb	Mean Temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed Kms. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Interior Mysore North																											
Bidar	0830	664	1005·1	933·6	..	29·7	21·1	15·6	18·8	45	−2	2·0	−0.4	17·7	0	9	21	3	0	0	0	1	9	1	16	1	0
	1730	,,	998.7	929·2	..	36·8	27·5	14.1	16·7	28	..	4·4	..	12·5	0	4	26	3	4	1	1	0	4	4	13	1	0
Gulbarga	0830	458	1005·8	955·9	−0·5	30·5	20·0	13.1	15.7	37	−14	2·6	+0·5	10·1	0	2	27	2	2	0	1	2	1	5	16	2	0
	1730	,,	999·3	951·0	..	38·8	20·5	7·6	10·7	16	..	6·1	..	10.3	0	1	29	6	1	2	4	1	2	5	9	1	0
Bijapur	0830	594	1006·5	941·9	−0·6	28·2	21·4	17·5	20·0	54	−5	2·2	−0·2	3·3	0	0	29	8	0	0	0	1	0	10	10	2	0
	1730	,,	999.8	937·3	..	37·1	22.8	14·7	16·9	28	..	4·5	..	2·6	0	0	30	9	0	1	0	1	1	10	8	1	0
Raichur	0830	400	1006·1	962.5	−0.5	30·4	23.8	20.3	24·1	57	+1	3.6	−1.3	8.7	0	6	20	0	2	0	4	0	3	0	10	5	7
	1730	..	999.8	957.5	..	38·8	24·8	17·0	19·9	29	..	4.3	..	6·3	0	0	30	0	13	0	9	0	1	0	7	1	0
Belgaum	0830	753	1008·1	926·0	−0.5	24·4	20·4	18·1	21·0	69	−7	2.6	−0·6	4.0	0	0	20	0	0	1	0	0	1	16	2	11	0
	1730	,,	1003·0	922·7	..	24·6	22·1	18·4	21·0	52	..	3·4	..	6·1	0	0	31	0	0	0	0	1	4	16	8	0	2
Belgaum (Samra)	0530	747	1007·2	924·8	..	21.2	19.2	18·0	20·6	83	..	2·6	..	6.6	0	2	21	0	1	0	0	1	7	11	3	8	0
	0830	,,	1008·1	926·5	..	24·1	20·2	17·9	20·5	70	..	3·8	..	8.8	0	2	27	1	2	1	0	0	5	15	5	2	0
	1130	,,	1006.3	926·4	..	30·4	20·4	14·1	16.0	39	..	3·2	..	9.7	0	3	27	4	3	0	0	2	1	10	10	1	0
	1430	,,	1002.9	924·1	..	33·6	20·6	12.2	14.7	29	..	3·9	..	11·4	0	4	27	4	3	2	0	0	4	13	5	0	0
	1730	,,	100.3	923·3	..	30·4	21.8	17·0	19.4	48	..	3·7	..	17.2	0	17	14	1	0	0	0	0	7	19	4	0	0
	2030	,,	1006.2	925.1	..	25.3	21.1	18·4	21·8	68	..	3·3	..	14.7	0	7	24	0	0	0	0	5	6	23	2	0	0
Gadag	0530	650	1006·8	935.1	..	22.3	20·6	19.7	22·9	87	..	3·8	..	11.2	0	2	28	0	0	0	0	0	6	22	2	1	0
	0830	,,	1008·0	936.8	0.0	25·9	21·5	19·7	23·1	74	0	3·3	+0.8	11·3	0	2	28	0	0	0	0	0	6	23	1	1	0
	1130	,,	1008·0	936.3	..	32·0	22·2	16·5	19.5	42	..	2·9	..	9·8	0	2	27	3	2	0	0	1	1	20	2	2	0
	1430	,,	1005·3	933·5	..	35·9	21·9	13·7	16.0	29	..	4·1	..	8.0	0	0	29	4	3	1	1	0	4	9	5	2	2
	1730	,,	1005·8	932·4	..	35.3	21·7	13·7	16.0	30	..	6·0	..	9·5	0	4	26	4	1	3	3	1	3	11	4	1	0
	2030	,,	1004·8	934·7	..	28·9	22·0	18·5	21·3	56	..	3·7	..	14·5	0	4	19	0	0	1	2	4	3	19	1	1	0
	2330	,,	1006.8	935.7	..	25.1	21·7	20·0	23.5	74	..	2·8	..	16.2	0	11	20	0	0	0	0	2	2	27	0	0	0
Interior Mysore South																											
Bellary	0830	449	1006·8	957·5	−0·5	27·3	22·0	18·7	22·1	58	+3	2·6	−0·8	10·8	0	11	25	0	2	1	4	0	0	1	17	4	0
	1730	,,	1004·6	952·6	..	37·2	22·0	11·7	14·0	23	..	5·6	..	6.8	0	2	26	0	5	3	8	0	1	2	11	4	0
Chitrdurga	0830	733	1007.8	927.7	−0·5	24.5	21.5	20 0	23.4	76	+5	4.8	+0·6	4.6	0	1	30	0	0	0	0	0	8	22	0	1	0
	1730	,,	1008·8	223.8	..	33·5	22·3	15·7	18·8	38	..	5·3	..	3·3	0	0	23	1	2	0	0	0	4	10	1	8	0
Shimoga	0830	571	1009·9	945·6	+0.5	25·1	21·7	20·0	23·5	72	−6	5·7	+0.6	3·2	0	0	30	0	0	1	1	1	11	13	3	1	0
	1730	,,	1006.6	941.3	..	31.7	22·7	17·5	21·0	44	..	5·7	..	8·1	0	0	29	1	3	2	0	3	6	12	2	2	0
Agumbe	0830	..	..	..	..	24·1	22·2	21.3	25·3	84	..	..	..	2.9	0	0	24	1	7	2	0	0	8	5	1	7	0
Balchonnur	0830	..	..	..	..	22·9	20·7	19·6	22·7	82	−4	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..
Hassan	0830	960	1498·2	904·5	..	22·6	20·1	18·9	21·7	80	+5	3·3	−0·5	4·2	0	0	31	0	0	0	0	1	12	13	5	0	0
	1730	,,	1477·3	901·3	..	28·4	21·0	16·8	19·5	42	..	6·7		3·9	0	0	31	0	0	2	1	0	9	16	3	0	0
Bangalore	0230	921	1480·8	906·8	..	22·9	20·8	19·9	22·9	82	..	2.8	..	8.0	0	2	23	0	0	1	1	1	11	8	3	6	0
	0830	,,	1497·4	908·3	−0·3	23·7	21·2	19·9	23·2	79	+6	4·3	..	9·4	0	1	29	0	1	0	1	1	7	17	3	1	0
	1130	,,	1505.5	908 1	..	29·3	22·4	19·0	22.1	55	..	4.6	+0·4	10.6	0	4	26	1	2	1	1	1	1	13	10	1	0
	1430	,,	1490·7	906.0	..	33·2	22.7	17.7	19.9	43	..	5.6	..	8.9	0	3	26	0	0	3	1	0	0	13	10	2	0
	1730	,,	1479·8	905.1	..	31·1	21·8	16·8	19·3	44	..	6·5	..	7 9	0	1	29	2	3	4	2	0	1	8	8	3	0
	2030	,,	1489·7	906·8	..	27.4	21·2	17·8	20·6	57	..	3·9	..	6·7	0	1	23	1	1	3	2	2	4	9	2	7	0
Bangalore Aerodrome	0530	897	1473.5	908.9	..	21·5	20·2	19·5	23·2	88	..	4.1	..	10.0	0	0	25	0	1	1	0	2	4	16	1	6	0
	0830	,,	1493.3	910·5	..	24·2	21·4	19·7	22·9	76	..	4·6	..	11·3	0	3	27	2	0	0	1	0	3	21	3	1	0
	1130	,,	1503.2	910.3	..	29.0	21·7	17·2	19·9	50	..	4·8	..	10·7	0	3	23	4	0	0	1	2	0	14	5	5	0
	1730	,,	1481 9	906·8	..	31·2	20·7	14.2	16·7	38	..	6·2	..	10·5	0	2	25	2	0	6	1	1	0	10	7	4	0
	2330	,,	1479·4	909·9	..	24·7	25·9	18·4	21·4	70	..	4·2	..	9·6	0	2	21	0	0	2	1	3	3	14	6	8	0
Mysore	0830	767	1008.5	924.8	−0·3	24·5	21·2	19·2	22·4	75	0	3·8	−0.8	5.6	0	0	31	4	6	1	4	7	7	2	0	0	0
	1730	,,	1003.3	921.5	..	29·8	24·3	16·5	18·9	47	..	4·7	..	9·4	0	4	27	1	6	2	3	2	8	6	3	0	0
Kerala																											
Calicut	0530	5	1007·8	1007·2	−0·1	25·2	25·5	23·7	29·3	90	..	6·5	+0·3	2.8	0	0	17	1	7	9	3	0	0	0	0	14	0
	0830	,,	1009·2	1008·6	..	28.3	25·4	24·3	30.3	80	..	5.3	..	3.0	0	0	19	4	2	4	0	0	1	0	8	12	0
	1130	,,	1009·3	1008·7	..	30.1	26.4	24·8	31.5	73	..	5.5	..	7·3	0	0	28	0	0	0	0	0	2	11	15	3	0
	1730	,,	1006·6	1006.0	..	30.1	26.7	25·3	32·2	76	..	6.1	..	9.5	0	1	29	0	2	1	0	0	0	11	16	1	0
	2330	,,	1008·9	1008·3	..	27.7	25.7	24.7	31·1	82	..	5.9	..	9·4	0	3	24	6	6	0	0	0	0	3	12	4	0
Palghat	0830	97	1008·7	997.7	..	27.5	24.8	23.6	28.9	79	..	5.0	..	9·7	0	0	29	0	0	1	0	0	2	26	0	2	0
	1730	,,	1005.1	994·3	..	31.1	25.1	22.4	26.9	62	..	5·9	..	12·2	0	0	31	0	0	0	0	0	1	30	0	0	0
Fort Cochin	0830	3	1009.2	1008.9	−0·4	27.6	25·3	23.6	30.4	82	+2	7.5	+2.5	7.4	0	1	28	2	10	9	1	1	0	2	4	2	0
	1730	,,	1006.4	1006.0	..	29.3	26.3	25.1	31.7	78	..	7.5	..	12.0	0	5	26	1	0	1	0	0	0	11	18	0	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres.	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed kms. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Kerala – *(Contd.)*																											
Cochin (Naval Air Station)	0230	3	1007.7	1007·3	..	26·5	24·7	23·9	29·7	86	..	5·6	.	3·3	0	0	15	0	1	1	1	1	3	3	5	16	0
	0530	,,	1007·6	1007·3	..	25·5	24·4	23·9	29·7	91	..	6·1	..	1·9	0	0	10	0	4	2	0	0	0	1	3	21	0
	0830	,,	1009·3	1009·0	..	27·5	25·1	24·1	30·1	82	..	6·0	..	4·2	0	3	27	0	0	0	0	0	3	15	12	1	0
	1130	,,	1009·3	1009·0	..	30·1	25·7	24·2	30·3	71	..	5·9	..	10·9	0	0	28	1	1	0	0	0	2	10	12	3	2
	1730	,,	1006·5	1006·2	..	29·6	25·9	24·2	30·4	73	..	6·7	..	13·5	0	1	15	2	2	5	0	0	0	1	6	15	0
	2330	,,	1009·1	1008·8	..	27·2	25·1	24·2	30·0	64	..	6·2	..	7·0	0	2	18	0	0	3	0	2	2	5	8	11	0
Alleppey	0630	4	1009·1	1008·7	+0·2	27·8	25·6	24·7	31·1	84	+2	6·2	−0·2	9·0	0	3	28	2	18	1	2	0	1	0	7	0	0
	1730	,,	1006·5	1006·1	..	29·5	26·4	25·1	31·8	77	..	6·1	..	22·1	0	26	5	0	0	0	0	0	4	4	23	0	0
Punalur	0830	34	1009·1	1005·3	..	25·9	24·5	24·1	29·7	90	..	6·7	..	0	0	0	1	0	0	0	0	0	0	0	1	30	0
	1730	,,	1006·7	1002·9	..	28·8	26·0	24·8	31·3	80	..	7·4	..	3·7	0	0	30	0	0	0	0	0	4	15	1	1	0
Trivandrum	0230	64	1007·4	1000·1	..	25·0	24·1	23·6	29·3	92	..	5·7	..	4·0	0	0	17	7	1	0	0	0	1	2	6	14	0
	0530	,,	1007·4	1000·1	..	24·8	23·9	23·4	28·9	92	..	6·4	..	5·2	0	0	26	13	4	0	1	0	0	2	6	5	0
	0830	,,	1009·0	1001·7	−0·4	26·7	24·7	23·8	29·5	84	+3	5·7	+0·3	6·1	0	0	28	8	2	0	0	1	0	2	15	3	0
	1130	,,	1008·8	1001·6	..	29·5	25·6	23·8	29·7	72	..	6·1	..	12·8	0	25	6	3	0	0	0	1	1	6	20	0	0
	1430	,,	1006·6	999·4	..	29·9	25·7	23·8	29·7	70	..	5·9	..	12·6	0	1	30	1	0	0	0	0	2	12	16	0	0
	1730	,,	1006·4	999·1	..	28·3	25·1	23·6	29·3	76	..	6·3	..	11·4	0	3	28	3	1	0	0	0	1	8	18	0	0
	2030	,,	1005·3	1001·2	..	26·6	24·6	23·8	29·5	85	..	5·2	..	8·4	0	1	29	8	0	0	0	0	1	2	18	1	0
	2330	,,	1009·1	1001·7	..	25·7	24·4	23·8	29·7	89	..	2·8	..	8·2	0	0	29	11	4	0	0	0	1	3	10	2	0
Trivandrum Aerodrome	0830	8	1009·2	1008·3	..	28·1	24·9	23·5	28·9	77	..	5·8	..	19·2	0	18	11	20	3	1	0	0	0	0	5	2	0
Arabian Sea Islands																											
Amini	0530	4	1007·4	1007·0	..	28·1	25·4	24·3	30·4	80	..	4·6	..	19·3	0	16	11	3	0	0	0	0	1	9	14	4	0
	0830	,,	1009·3	1008·9	..	29·1	25·8	24·4	30·4	76	+3	5·5	+0·9	19·1	0	16	12	4	1	1	0	0	0	8	14	3	0
	1130	,,	1009·7	009·3	..	30·8	26·3	24·4	30·4	69	..	5·1	..	18·1	0	15	15	8	0	0	0	0	0	8	14	1	0
	1730	,,	1006·8	1006·4	..	30·5	26·3	24·5	30·7	71	..	5·4	..	21·0	0	16	14	6	0	0	0	0	0	6	18	1	0
	2330	,,	1008·9	1008·5	..	28·5	25·8	24·6	31·1	79	..	10·8	..	21·8	1	13	14	4	0	0	0	0	3	6	15	3	0
Minicoy	0530	2	1007·9	1007·7	..	26·5	24·5	23·6	29·1	84	..	5·4	..	9·1	0	2	23	1	0	0	0	0	0	14	10	6	0
	0830	,,	1009·7	1009 5	..	28·9	25·6	24·1	30·0	76	0	5·3	+1·0	7·3	0	4	17	3	0	0	0	0	0	10	8	10	0
	1130	,,	1010·1	1009·9	..	29·9	25·8	24·1	30·0	71	..	5·4	..	9·1	0	1	25	3	0	1	0	1	0	12	9	5	0
	1430	,,	1008·2	1008 0	..	29·8	25·9	24·2	30·4	72		5·8	..	11·0	0	3	26	3	1	0	0	0	0	13	12	2	0
	1730	,,	1008·5	1007·3	..	29·1	25·5	23·9	29·7	74	..	6·0	..	9·2	0	2	24	2	0	0	0	0	1	13	10	5	0
	2030	,,	1009·0	1008·8	..	27·6	25·0	23·8	29·5	80	..	5·1	..	10·6	0	5	20	1	0	0	0	0	1	15	8	6	0
	2330	,,	1009·7	1009·5	..	27·2	25·0	23·9	29·0	81	..	4·4	..	11·4	0	5	20	2	0	0	0	1	1	15	6	6	0
Hill Stations excluding Kashmir																											
Dalhousie	0830	1959	1413·0	798·0	+0·5	17·6	11·3	6·0	9·3	48	−11	1·2	−0·5	1·1	0	0	7	0	2	0	1	0	0	0	0	24	4
	1730	,,	1407·0	797·7	..	19·8	13·2	8·3	10·9	49	..	1·3	..	1·3	0	0	9	0	5	0	0	0	0	0	0	22	4
Dharmsala	0830	1211	..	..	..	24·1	15·3	8·1	10·8	36	−1	2·8	+0·6	1·9	0	0	21	1	19	1	0	0	0	0	0	10	0
	1730	,,	..	..	..	25·9	15·7	7·3	10·3	32	..	4·3	..	3·0	0	0	30	1	3	1	0	1	22	2	0	1	0
Simla	0830	2202	1462·2	780·3	−0·2	17·7	13·3	9·2	12·4	63	+28	2·3	+0·2	0·8	0	0	8	0	1	3	2	1	0	0	1	23	0
	1730	,,	1452·0	779·4	..	18·1	14·5	11·2	14·2	71	..	3·8	..	1·2	0	0	18	0	2	0	3	2	11	0	0	13	0
Lokpal	0830	..	..	..	..	−7·2	−9·6	−15·9	1·5	50	..	0·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Badrinath (R)	0830	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Joshimath	0830	..	..	..	..	17·4	11·4	6·3	9·5	50	..	2·6	..	8·6	0	1	30	2	5	8	5	0	1	0	0	0	10
	1730	..	..	..	..	20·8	14·4	10·0	12·3	54	..	0·4	..	4·7	0	0	26	0	7	6	7	0	3	3	0	5	0
Mussoorie	0830	2042	..	..	..	18·7	10·9	3·6	7·9	38	−7	2·0	−0·2	2·5	0	0	20	6	1	0	1	4	4	0	4	11	0
	1730	,,	..	..	..	20·1	11·9	4·8	8·6	39	..	3·7	..	4·4	0	0	28	8	2	0	2	6	4	0	6	3	0
Mukteswar (Kumaun)	0830	2311	3137·4	771·9	+0·1	17·9	9·5	0·5	6·3	34	−11	1·6	−0·4	10·9	0	5	24	0	3	7	1	0	0	10	8	2	0
	1730	,,	3127·2	770·6	..	19·1	10·7	2·5	7·3	32	..	2·7	..	13·7	0	8	22	0	4	3	1	0	3	10	9	1	0
Nainital	0830	1953	1474·4	804·3	+1·7	19·9	11·9	4·8	8·6	39	−4	1·6	−0·2	8·6	0	3	28	9	0	12	2	2	0	6	0	0	0
	1730	,,	1441·4	801·0	..	20·6	12·9	6·6	9·6	42	..	1·9	..	9·4	0	2	29	10	0	4	2	2	0	13	0	0	0
Kalimpong	0830	1209	..	..	..	21·4	19·1	17·9	20·5	80	+1	0·1	−4·1	5·7	0	0	29	0	0	0	2	0	3	0	24	2	0
	1730	,,	..	..	..	22·2	19·7	18·3	21·0	79	..	0·2	..	6·5	0	0	31	0	0	0	26	0	0	0	5	0	0
Darjeeling	0830	2128	1492·8	789·7	+2·2	16·7	14·8	13·7	15·7	82	+2	6·0	+0·4	1·3	0	0	10	1	1	0	1	0	5	1	1	21	0
	1730	,,	1465·2	787·2	..	16·4	15·1	14·3	16·3	87	..	6·9	..	3·1	0	0	14	0	0	0	0	0	12	0	1	17	1
Kohima	0830	1406	1576·2	867·0	..	20·9	19·4	18·6	21·4	87	..	5·7	..	2·8	0	0	31	0	0	0	0	0	0	0	31	0	0
	1730	,,	1537·2	862·9	..	21·7	20·9	20·5	24·1	93	..	7·2	..	2·5	0	0	31	3	0	4	0	6	0	10	0	0	0
Shillong	0830	1500	1491·7	849·2	+1·4	21·4	18·1	16·1	18·3	72	+4	6·6	+1·6	2·6	0	0	8	0	1	0	0	1	6	0	0	23	0
	1730	,,	1464·6	846·7	..	21·2	18·6	17·1	19·5	78	..	5·6	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0

(R) Register not received.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Kms. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hill Stations excluding Kashmir —(*Contd.*)																											
Cherrapunji (R)	0830	1313	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(R)	1730	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Abu	0830	1195	1506·6	881.0	+1·8	25·0	15·0	6·5	9·7	32	—4	0·7	−0·1	1·6	0	1	7	0	0	0	0	3	5	0	0	23	0
	1730	,,	1472·8	877·1	..	29·4	16·3	4·8	8·6	22	..	0·8	..	8·6	0	5	21	0	0	0	0	10	16	0	0	5	0
Aijal	0830	..	..	..	..	23·4	20·7	19·3	22·4	79	..	5·1	..	(h) 4·1	0	0	23	1	0	9	0	6	0	7	0	0	0
	1730	..	..	..	..	25·5	21·7	19·9	23·2	74	..	4·0	..	(h) 4·3	0	0	23	3	0	4	0	6	0	10	0	0	0
Pachmarhi	0830	1075	1493·7	891·3	—0·2	28.2	16.0	5.4	9.0	25	—10	2.3	+0·3	4.6	0	0	29	3	7	1	1	0	0	5	12	2	0
	1730	,,	1470·6	888·4	..	32.7	16.8	2.5	7.5	16	..	3.9	..	4.1	0	0	31	2	3	0	0	0	2	7	17	0	0
Mahableshwar	0830	1382	1498·6	861.7	—0·2	21.5	15.9	11.2	13·9	56	+3	1.7	—1·2	10.9	0	0	31	3	18	0	0	0	1	0	9	0	0
	1730	,,	1485·8	860·8	..	26·4	20·1	16·5	18·9	56	..	2·1	..	10·6	0	0	31	0	10	0	0	0	2	0	19	0	0
Mercara	0830	1152	1498·4	885·0	+0·1	20·8	19·0	17·2	20·8	84	0	4·5	−0·6	10·0	0	0	31	6	1	5	0	0	0	14	2	0	3
	1730	,,	1479·6	882·6	..	23·9	20·8	19·3	22·9	76	..	5·8	..	7·0	0	0	31	2	1	1	0	0	2	13	7	0	5
Ootacamund (R)	0830	2239	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(R)	1730	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Coonoor (R)	0830	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kodaikanal	0830	2343	3151·5	770·8	0	16.2	12·9	10.4	12·8	70	+7	5.8	+2·2	7.0	0	0	22	7	8	1	2	1	0	0	10	2	0
	1130	,,	3160·9	770·9	..	18.9	14.4	11·2	13·1	62	..	6·2	..	8.2	0	0	30	5	7	2	4	1	0	0	11	1	0
	1730	,,	3132·6	769·0	..	16·0	13·9	12·6	14·6	81	..	6·7	..	8·1	0	2	25	9	3	1	1	2	1	0	10	4	0
Nepal																											
Katmandu	0830	1324	1470·8	864·7	..	21·8	16·4	12·7	14·8	57	..	2·1	..	0·6	0	0	4	1	0	0	1	0	0	0	2	27	0
	1130	,,	1462·9	863·5	..	29.5	18·0	9·7	12·2	30	..	3·1	..	5·3	0	0	29	7	0	0	2	1	5	9	5	2	0
	1730	,,	1441·5	861·5	..	26·8	18·1	12·3	14·6	42	..	4·5	..	4·3	0	0	24	5	0	0	0	1	2	5	11	7	0
Sikkim																											
Lachen	0830	..	..	..	..	14·2	11·0	8·5	11·1	68	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hydrometeorological Observatories																											
Damodar Catchment																											
Tilaiya	0830	..	..	..	..	33·1	21·0	13·5	15·0	31	..	1·8	..	8·5	0	0	30	0	0	5	3	0	5	11	6	1	0
	1730	..	..	..	..	37·0	20·3	7·3	10·2	18	..	2·5	..	10·0	0	0	31	2	0	5	1	0	0	9	14	0	0
Hazaribagh	0830	615	1002.0	936·2	..	32·0	23·2	19·0	22·0	47	..	1·9	..	6·6	0	1	24	1	0	1	0	5	10	6	2	6	0
	1730	,,	998·1	932·9	..	33·9	23·1	17·8	20·4	40	..	3·3	..	5·4	0	0	26	2	0	4	2	0	4	3	11	5	0
Konar	0830	..	..	..	..	32·0	22·7	17·5	19·9	43	..	0·8	..	4·8	0	0	28	0	0	0	7	0	0	10	11	3	0
	1730	..	..	..	..	33·9	22·2	15·1	17·1	34	..	1·0	..	4·4	0	0	26	0	0	0	8	0	0	9	9	5	0
Bokaro	0830	242	1002·1	975·7	..	32·3	23·0	17.9	20·5	43	..	1.1	..	5·6	0	0	27	0	0	3	3	3	8	7	3	4	0
	1730	,,	997·9	971·9	..	36.1	22·2	13.5	15.5	29	..	2·4	..	6.9	0	0	30	3	0	5	5	2	5	3	7	1	0
Maithun	0830	..	..	..	..	35·2	24·0	18·0	20·6	38	..	2·5	..	4·0	0	0	31	0	0	0	14	1	13	0	3	0	0
	1730	..	..	..	..	36·8	23·4	15.7	17·8	31	..	3·4	..	4·2	0	0	31	0	0	0	11	1	17	0	2	0	0
Ramgath (R)	0830	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(R)	1730	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Panchet Hills	0830	..	..	..	..	32·5	24·0	19·7	22·9	39	..	2·2	..	7·0	0	0	26	0	2	0	10	0	12	0	2	5	0
	1730	..	..	..	..	36·2	23·0	15·2	17·3	32	..	3·3	..	8·2	0	1	24	0	1	0	10	0	7	0	7	6	0
Durgapur	0830	..	..	..	..	31·8	25·6	22·8	27·7	62	..	2·2	..	5·2	0	0	31	1	3	2	6	10	5	2	2	0	0
	1730	..	..	..	..	36·1	25·1	19·6	22·8	40	..	4·5	..	7·4	0	0	29	2	1	5	7	9	3	0	2	2	0
Mahanadi Catchment																											
Ginabahar	0830	..	..	..	..	30·0	21·2	15·8	18·7	41	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hirakud	0830	159	1003·9	986·4	..	32·5	24·3	20·2	23·7	48	..	2·5	..	2·1	0	0	24	2	0	6	5	3	3	4	1	7	0
	1130	,,	1003·0	985·7	..	36·3	24·6	18·5	21.3	36	..	2·4	..	3·3	0	0	30	2	9	3	3	1	7	1	10	1	0
	1730	,,	999·0	981·9	..	37·4	23·9	16·6	18·9	29	..	2·8	..	1·5	0	0	14	1	0	0	5	1	1	3	3	17	0
Bhimkund	0830	..	..	..	..	28·7	23·5	20·9	24·7	63	..	2·5	..	0·9	0	0	9	2	0	1	2	0	3	0	1	22	0
	1730	..	..	..	..	33·1	22·8	16·9	19·3	40	..	4·0	..	2·3	0	0	17	0	1	0	9	2	4	1	0	14	0
Sonepur	0830	..	..	..	..	32·9	26·5	23·8	29·5	59	..	..	..	3·5	0	1	26	3	0	13	0	6	0	5	0	4	0
Khijrawan	0830	..	..	..	..	32·6	21·8	14·9	17·3	37	..	0·5	..	7·4	0	0	31	1	3	1	4	2	16	0	4	0	0
	1730	..	..	..	..	36·7	21·7	11·3	13·6	23	..	1·7	..	6·9	0	1	30	2	3	0	6	2	12	0	6	0	0
Narmada Catchment																											
Bagra Tawa	0830	..	..	..	..	33·1	19·0	6·8	10·5	21	..	2·0	..	10·1	0	0	29	1	1	3	1	2	11	10	0	2	0
	1730	..	..	..	..	39·1	20·3	3·8	8·0	12	..	2·7	..	9·2	0	0	27	3	1	0	0	1	5	16	1	4	0
Punasa	0830	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thikri	0830	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

(R) Register not received. (h) Mean of 23 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Kms. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hydrometeorological Observatories—(*Contd.*)																											
Sabarmati Catchment																											
Daroi . . .	0830	..	..	..	..	29·1	21·8	17·2	20·2	50	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	38·9	23·3	13·1	15·3	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gandak Catchment																											
Jomoson . . .	0830	..	..	..	..	16·9	11·6	7·8	10·7	55	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	15·7	11·5	8·5	11·3	64	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Khudi Brzar . .	0830	..	..	..	..	24·4	18·1	14·2	16·3	54	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	26·1	19·4	15·4	17·7	54	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Timur . . .	0830	..	..	..	..	22·5	16·1	11·7	14·2	53	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	24·2	18·3	14·5	17·6	60	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pokhara . . .	0830	..	..	..	..	26·1	18·7	14·0	16·2	48	..	1·2	..	1·7	0	0	16	1	0	2	7	2	1	0	1	15	2
	1130	..	..	..	..	30·5	19·6	12·6	14·9	34	..	1·7	..	5·5	0	0	31	0	0	9	15	6	1	0	0	0	0
	1730	..	..	..	..	28.3	19·2	13·4	15·8	44	..	4·4	..	7·6	0	1	29	5	5	6	6	0	0	1	6	1	1
Goakha . . .	0830	..	..	..	..	23·9	17·8	13·9	16·0	65	..	1·2	..	..	..	..	..	†0	0	1	4	4	10	0	1	11	0
	1130	..	..	..	..	27·7	19·7	14·8	17·1	47	..	1·0	..	..	..	..	..	0	0	1	7	4	10	3	1	5	0
	1730	..	..	..	..	26·9	18·4	12·6	15·2	43	..	3·9	..	..	..	..	..	0	0	5	6	1	7	7	2	3	0
Nuwakot** . .	0830	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghaghara Catchment Trans Himalayan Region																											
Dailekh △ . .	0830	..	..	..	..	24·1	16·2	10·0	12·7	43	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	27·8	17·3	8·7	12·1	33	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghaghara Catchment																											
Dadeldhura . .	0830	..	..	..	..	20·1	12·3	5·5	9·3	40	..	1·2	..	6·3	0	0	28	1	1	10	13	2	0	0	1	3	0
	1130	..	..	..	..	23·7	13·8	5·9	9·5	32	..	2 3	..	8·7	0	1	30	8	1	4	1	1	2	0	14	0	0
	1730	..	..	..	..	22·3	13·1	5·5	9·3	35	..	2·9	..	9·7	0	1	30	4	2	2	2	0	15	1	5	0	0
Sallayana . .	0830	..	..	..	..	26·3	15·8	7·1	10·4	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	26·6	15·3	5·2	9·3	27	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Butwal . .	0830	..	..	..	..	32·6	22·3	16·0	18·8	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	37·3	22·3	11·9	14·7	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bagmati Catchment																											
Katmandu*§ . .	0830	1324	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1130	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kosi Catchment																											
Chautara . .	0830	..	..	..	..	22·5	16·0	11·7	14·0	52	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	26·4	16·3	9·4	12·2	36	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Walchunghung Gola.	0830	..	..	..	..	10·8§	9·2	8·1	10·8	84	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	9·8	8·8	8·1	10·9	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taplethok . .	0830	..	..	..	..	20·4	16·7	14·3	16·4	69	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	20·9	17·4	15·2	17·4	71	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bhojpur . .	0830	..	..	..	..	21·1	17·5	15·5	17·8	71	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	20·2	17·5	15·9	18·2	77	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taplejung . .	0830	..	..	..	..	19·5	16·2	14·2	16·4	73	..	(a) 3·5	..	3·3	0	0	14	3	2	0	0	0	2	4	3	17	0
	1130	..	..	..	..	21·9	17·6	15·2	17·4	66	..	(a) 4·3	..	7·2	0	0	28	2	1	0	2	7	5	6	5	3	0
	1730	..	..	..	..	19·5	16·4	14·7	16·8	75	..	6·0	..	9·3	0	1	26	2	0	1	7	13	0	1	3	4	0
Okhaldhunga . .	0830	..	..	..	..	20·1	16·0	13·1	15·6	66	..	1·5	..	1·2	0	0	11	0	0	0	2	0	4	1	2	20	2
	1130	..	..	..	..	23·3	17·4	13·8	16·2	57	..	2·1	..	4·8	0	1	19	1	1	0	1	7	3	7	0	11	0
	1730	..	..	..	..	20·1	15·5	12·9	15·3	65	..	4·4	..	13·3	0	5	25	0	0	1	1	0	0	24	3	1	1
Chainpur . .	0830	..	..	..	..	20·7	18·1	16·6	19·2	78	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	21·3	18·6	17·1	19·8	77	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Angbung△△. .	0830	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Barahakshetra .	0830	146	1004·5	988·3	..	29·2	22·9	19·5	22·9	57	..	2·6	..	2·7	0	0	26	2	2	0	1	1	12	5	3	5	0
	1130	,,	1003 3	987·2	..	32·8	24·6	20·4	24·2	49	..	4·1	..	6·3	0	0	30	0	0	0	0	0	23	4	2	1	1
	1730	,,	999·9	983·9	..	32·5	24·3	20·1	23·7	49	..	3·5	..	3·0	0	0	24	0	1	0	2	0	5	11	5	7	0
Tista Catchment																											
Gangtok .	0830	1812	1470·3	817·1	..	17·6	15·8	14·7	16·8	83	..	5·1	..	0·1	0	0	1	0	0	0	0	1	0	0	0	30	0
	1130	,,	1463·1	816·8	..	20·8	17·8	16·2	18·5	75	..	4·7	..	2·1	0	0	19	0	0	0	1	6	12	0	0	12	0
..	1730	,,	1440·6	814·4	..	18·7	16·7	15·6	17·8	83	..	6·3	..	1·0	0	0	6	1	1	0	2	2	0	0	0	25	0
Gezing .	0830	..	..	..	..	19·3	17·6	16·6	19·0	84	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	.	..	..	..	19·5	18·0	17·3	19·9	88	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

*Data included under Nepal.

**Data less than 15 days hence no means published.

△Observations for 30 days.

△△Data not reliable.

(a) Mean for 30 days.

†Estimated.

MONTHLY MEANS OF UPPER WINDS

May, 1965 (*Vaisakha* 11—*Jyaistha* 10, 1887 *Saka*)

During the month, observations of velocity and direction of upper winds were made at 54 stations in India. Out of these, at 39 stations all the observations were taken by means of pilot balloons and at 14 stations some observations were made by means of pilot balloons while the other observations by the radiowind method. In the case of Bangalore, the observations were taken by following radiosonde balloon by means of an optical theodolite. Particulars of these stations, their co-ordinates and the approximate times of the regular pilot balloon and rawin ascents at each station are given in the table overleaf. All radiowind ascents have been indicated by means of an asterisk (*) against the scheduled hours.

Data from ascents made at the scheduled time or within two hours on either side of the scheduled times of regular observations have been used for averaging.

Data up to 9·0 km. a.m.s.l. are given under Table IV and data above 9·0 km. a.m.s.l. under Table V.

In Tables IV and V :

n=represents the number of observations;

V=represents the mean wind speed in metres per second irrespective of direction;

v=represents the resultant mean velocity in metres per second;

D=represents the direction of the resultant mean wind in degrees East of North.

Means and resultant winds are given in this publication for the following heights :

Surface, 0·15 km. a.g., 0·3, 0·6, 0·9, 1·5, 2·1, 3·0, 3·6, 4·5, 5·4, 6·0, 7·2, 9·0, 10·5, 12·0, 14·1, 16·2, 18·0, 21·0, 24·0, 27·0, 30·0, 33·0 and 36·0 km. a.m.s.l. Of these the levels 1·5, 3·0, 5·4, 7·2, 9·0, 12·0, 14·1, 16·2, 18·0, 21.0, 24·0, 27·0 and 30·0 km. a.m.s.l. are considered as the best approximations to the standard pressure levels 850, 700, 500, 400, 300, 200, 150, 100, 70, 50, 30, 20 and 10 mb. respectively.

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS IN INDIA

S. No.	Station	Lat. N.	Long. E.	Height of anemometer head a.m.s.l. in metres	Date of opening **	Approximate times of flight (I.S.T.)			
1	Agartala	23°53′	91°15′	17	28th November, 1951	0530	1130	1730	2330
2	Ahmadabad	23°04′	72°38′	61	19th May, 1928	0530*	1130	1730*	2330
3	Allahabad/Bamhrauli	25°27′	81°44′	103	28th February, 1930	0530*	1130	1730*	2330
4	Ambala	30°23′	76°46′	279	18th March, 1928.	0530	1130	1730	2330
5	Amini	11°07′	72°44′	14	15th May, 1965	0530			
6	Anantapur	14°41′	77°37′	365	12th February, 1946	0530		1730	2330
7	Asansol	23°41′	86°59′	135	29th May, 1942	0530	1130	1730	2330
8	Aurangabad/Chikalthan	19°51′	75°24′	583	7th October, 1951	0530		1730	2330
9	Bahraich	27°34′	81°36′	134	1st October, 1961	0530	1130	1730	
10	Bangalore	12°58′	77°35′	936	19th May, 1915	0530@	1130	1730@	2330
11	Bareilly	28°22′	79°24′	181	12th January, 1943	0530		1730	
12	Begampet	17°27′	78°28′	543	1st September, 1929	0530		1730	2330
13	Bhagalpur	25°14′	86°57′	61	19th May, 1950	0530		1730	
14	Bhopal/Bairagarh	23°17′	77°21′	532	17th February, 1955	0530		1730	2330
15	Bhubaneshwar	20°15′	85°50′	54	5th December, 1942	0530	1130	1730	2330
16	Bhuj/Rudramata	23°15′	69°48′	90	14th September, 1937	0530		1730	2330
17	Bikaner	28°00′	73°18′	229	18th October, 1946	0530		1730	2330
18	Bombay/Santa Cruz	19°07′	72°51′	27	14th May, 1933	0530*	1130	1730*	2330
19	Calcutta/Dum Dum	22°39′	88°27′	13	14th May, 1921	0530*	1130	1730*	2330
20	Cochin/Willingdon †	09°56′	76°14′	13	16th March, 1942	0530		1730	2330
21	Dehra Dun	30°19′	78°03′	692	1st October, 1958	0530		1730	
22	Dibrugarh/Mohanbari	27°29′	95°01′	112	1st June, 1948	0530	1130	1730	2330
23	Gadag	15°25′	75°38′	650	3rd May, 1943	0530		1730	2330
24	Gangtok	27°20′	88°37′	1764	1st May, 1963	0830		1730	
25	Gauhati	26°05′	91°43′	55	11th March, 1955	0530*	1130	1730*	2330
26	Gaya	24°45′	84°57′	119	19th March, 1937	0530	1130	1730	2330
27	Gopalpur	19°16′	84°53′	24	15th February, 1946	0530		1730	2330
28	Gorakhpur	26°45′	83°22′	83	5th January, 1943.	0530		1730	
29	Gwalior	26°14′	78°15′	208	7th May, 1938	0530	1130	1730	2330
30	Imphal/Tulihal	24°46′	93°54′	782	29th March, 1943.	0530	1130	1730	2330
31	Jabalpur	23°10′	79°57′	402	30th July, 1928	0530		1730	2330
32	Jagdalpur	19°05′	82°02′	562	25th March, 1948.	0530		1730	2330
33	Jaipur/Sanganer	26°49′	75°48′	403	6th June, 1953	0530		1730	2330
34	Jamshedpur	22°49′	86°11′	144	23rd July, 1942	0530	1130	1730	
35	Jharsuguda	21°55′	84°05′	240	1st May, 1944	0530		1730	2330
36	Jodhpur	26°18′	73°01′	229	15th October, 1934.	0530*	1130	1730*	2330
37	Lucknow/Amausi	26°45′	80°53′	133	20th November, 1950	0530		1730	2330
38	Madras/Minambakkam	13°00′	80°11′	29	8th April, 1926	0530*	1130	1730*	2330
39	Mangalore/Bajpe	12°55′	74°53′	04	4th June, 1928	0530		1730	2330
40	Minicoy	08°18′	73°00′	15	14th April, 1941	0530	1130	1730*	2330
41	Nagpur/Sonegaon	21°06′	79°03′	316	23rd April, 1943	0530*	1130	1730*	2330
42	New Delhi/Safdarjung	28°35′	77°12′	227	16th November 1929	0530*	1130	1730*	2330
43	Poona	18°32′	73°51′	593	5th January, 1925	0530		1730	2330
44	Port Blair	11°40′	92°43′	95	13th March, 1926	0530*	1130	1730*	2330
45	Raipur	21°14′	81°39′	308	15th July, 1944	0530		1730	2330
46	Raxaul	26°59′	84°51′	83	28th October, 1957	0530		1730	
47	Srinagar	34°05′	74°48′	1595	1st August, 1962	0530*		1730*	
48	Tiruchchirappalli	10°46′	78°43′	96	22nd June, 1936	0530		1730	2330
49	Trivandrum	08°29′	76°57′	73	8th December, 1928	0530*	1130	1730*	2330
50	Udaipur	24°35′	73°42′	587	24th June, 1947	0530		1730	2330
51	Vengurla	15°52′	73°38′	8	20th November, 1941	0530		1730	2330
52	Veraval	20°54′	70°22′	17	13th October, 1941	0530		1730	2330
53	Vijaywada/Gannavaram	16°32′	80°48′	32	1st April, 1957	0530		1730	2330
54	Vishakhapatnam	17°43′	83°14′	10	24th September, 1928	0530*	1130	1730*	2330

*Radio wind ascents.
@Radiosonde ascents followed by optical theodolite.
†Naval Meteorological Office.
**Refers to date from which data are available.

Table IV— Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 km. above mean sea level

MAY, 1965 (Vaisakha 11— Jyaistha 10, 1887 Saka)

Station	AGARTALA																AHMADABAD							
Time in I. S. T.	0530				1130				1730				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	2·5	2.2	158	31	3·9	1·9	185	31	2·8	2.2	180	31	2·7	1·6	171	31	1·8	1·5	285	31	2·8	1·8	260
0·15 a.g.	28	6·1	5·0	170	31	8·0	3·0	190	31	5·9	4·0	174	30	6·7	5·4	179	31	7·5	6·2	294	31	4·8	3·5	258
0·3 a.m.s.l.	28	7·0	6.1	183	31	5·9	3·4	186	31	6.0	4.2	185	30	7.4	6.2	184	31	7·9	6·6	296	31	5.1	3·8	261
0·6 ,,	28	7·4	6·2	193	29	5·4	4·2	186	31	5.6	3.9	185	30	7·4	6·3	191	31	8·6	7·4	304	31	5·1	3.9	265
0·9 ,,	28	7·5	6·2	201	29	5.5	4.6	188	31	5.2	3·7	191	30	6·1	4·9	200	31	7·3	6·5	307	31	5·6	4·2	272
1·5 ,,	27	7·0	5·3	232	21	5·8	3·8	185	31	5·8	4·5	219	27	6·3	4·0	237	31	6·4	4·9	294	31	6·7	5·0	268
2·1 ,,	24	7·4	5.9	274	11	4·3	1·8	192	29	6·5	5·8	292	27	7·6	4·6	180	31	6·0	4·3	273	31	6.8	5·3	263
3·0 ,,	21	7.3	6·0	284	2	2·5	0·7	315	26	9·7	8·9	290	15	8·3	7·3	186	31	6·7	4·6	276	29	6·2	3·9	265
3.6 ,,	16	7·0	5·6	289					20	9·8	9·0	299					31	7·9	4·5	286	27	7.1	3.8	265
4.5 ,,	11	7·6	7·2	282					17	11·2	10·8	305					31	9·7	5.8	295	26	8·0	4.9	273
5·4 ,,	8	7·9	6·3	262					15	8·4	7·5	293					31	10·3	6·9	300	26	9·4	6·2	271
6·0 ,,	7	8.6	5·7	266					14	8·9	7·4	282					31	11·9	8·4	302	26	11·8	8·6	283
7·2 ,,	4	4.0	2.0	266					9	8·5	7·1	262					31	15.4	12·3	292	22	13·6	10·2	271
9·0 ,,	1	1.0	1.0	288					7	10·1	9·5	273					31	20·0	17·3	284	17	14·3	12·2	285

Station	AHMADABAD								ALLAHABAD/BAMHRAULI															
Time in I. S. T.	1730*				2330				0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	3·5	2·9	272	31	2·5	2.0	247	31	0·5	0.3	311	31	1·7	1·2	287	31	2·7	2·3	309	31	0·4	0·2	006
0.15 a.g.	31	6.0	4·7	277	31	7.5	5.8	255	31	6·6	3·2	304	31	4·5	3·0	302	31	7.4	6.1	318	31	6·1	4·6	338
0.3 a.m.s.l	31	6·2	5·0	278	31	8·4	6·6	254	31	6·6	3·2	304	31	4.6	3.2	300	31	7·3	6.2	318	31	6.9	4.6	343
0·6 ,,	31	6·0	5·0	280	31	9·1	8.0	268	31	6·7	3·4	315	31	5.0	3.5	303	31	7·4	6·4	318	31	7·3	5·4	333
0·9 ,,	31	6·1	5.2	283	31	8·4	7·5	274	31	6·4	4·2	322	31	5·1	4·2	302	31	7·1	6.1	309	31	7·1	5·4	326
1·5 ,,	31	6·7	5.7	285	30	6·7	5.9	279	31	6·2	4·9	309	31	5.8	4·8	304	31	6·9	6·0	308	31	6·7	5·4	311
2·1 ,,	31	7·0	6·3	284	30	5.6	4·6	274	31	7·3	6·2	299	31	7.2	6·6	304	31	6·9	6.2	297	31	7·4	6·0	294
3·0 ,,	31	7·4	6·0	288	22	4·9	3.1	270	31	9·6	8·3	288	31	9·6	8·6	293	31	7·7	6·5	278	29	8.4	6.2	280
3.6 ,,	31	8·0	6.4	289	7	5·0	3·1	275	31	10·7	9·1	278	31	10·2	9·2	286	31	9.2	8·0	273	12	11·2	6·3	282
4·5 ,,	31	9·0	5.7	293	2	5.5	1·9	045	31	11·9	10·5	271	30	11·4	9·8	270	31	11·8	10·9	270	5	14·8	6·6	338
5·4 ,,	31	10·5	6·9	302	1	10.0	10·0	019	31	11·6	10·5	268	27	12·7	10.8	261	31	12·7	11·2	270				
6·0 ,,	31	11·5	8·7	306	1	11.0	11.0	004	31	11·9	10·6	262	25	13·5	12·5	258	31	12.8	11.8	268				
7·2 ,,	31	14·6	11·0	296					31	14·6	13·5	253	19	16·4	15·1	252	31	15.5	14.3	259				
9·0 ,,	30	18·5	14·8	288					30	21·5	20·7	247	10	21·1	19·5	227	30	20·6	16·2	253				

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 km. above mean sea level

May, 1965 (Vaisakha 11—Jyaistha 10, 1887 Saka)

Station	AMBALA																AMINI				ANANTAPUR			
Time in I.S.T.	0530				1130				1730				2330				0530				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1.3	0·4	015	31	1.8	0.4	313	30	2.0	1.3	317	31	2.4	1.6	339	17	5.5	4.9	291	31	3.2	3.2	245
0.15 a. g. .	31	5.5	2.5	018	31	3.6	1.5	305	30	6.9	3.0	294	30	8.7	5.6	352	16	5.3	4.9	294	31	6.5	5.5	264
0.3 a.m.s.l. .	31	3.1	1.5	022	31	2.6	1.0	295	30	3.3	1.7	295	30	4.7	3.1	354	16	5.6	5·3	294				
0.6 ,, .	31	6.1	2.1	015	31	4.1	0.9	292	30	7.3	2.9	276	30	8.5	5.7	352	16	5.7	6.1	297	31	7.3	6.3	271
0.9 ,, .	31	6.1	1.9	017	31	4.8	0.8	340	30	7.3	2.5	303	30	7.5	5.3	348	16	6.3	5.8	295	31	8.0	6.7	295
1.5 ,, .	30	5.4	2.3	328	30	5.8	0.9	327	30	7.1	1.4	299	30	6.0	4.2	325	12	4.8	3.2	306	31	6.9	4.7	315
2.1 ,, .	28	6.6	6.3	308	28	5.7	2.1	295	29	6.8	1.4	302	29	6.7	4.1	305	10	5 0	3.8	324	31	5.8	2.5	351
3·0 ,, .	25	7.7	5.3	293	25	7.1	4.2	300	24	6.0	3.3	292	27	6.1	3.6	269	7	7.7	6.1	054	27	4.9	4.7	050
3.6 ,, .	20	10.1	6.5	287	23	7.0	4.1	282	21	3.3	0.3	300	7	5.6	2.6	254	3	6·7	4.8	308	24	7.8	5.4	053
4.5 ,, .	15	9.1	7.3	295	20	6.9	4.4	271	16	8·1	7·2	300	1	9.0	9.0	320	2	4.5	4·2	039	16	7.9	6.0	060
5.4 ,, .	14	9.3	7.9	294	16	7.5	5·6	279	14	8·5	8·1	292					1	3·0	3·0	059	15	5·8	2·5	095
6 0 ,, .	13	10.0	7·8	291	13	8.8	6.9	274	8	8·6	8·0	290					1	4·0	4·0	063	15	5.2	1.2	170
7.2 ,, .	11	12.5	11.9	281	6	12·3	11·6	283	6	10·5	10·3	285									13	5·5	2·4	216
9.0 ,, .	4	18·5	18·3	272	3	16·3	14·9	308	1	17·0	17·0	270									10	3·9	1·8	206

Station	ANANTAPUR								ASANSOL															
Time in I.S.T.	1730				2330				0530				1130				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	3.4	1.2	332	31	4.9	2.7	251	31	1.1	0.4	178	31	1.8	0.7	242	31	2.1	0.1	311	31	2·5	1.2	183
0.15 a. g. .	31	5.4	2·6	325	29	9.1	4.4	241	31	5.0	2.2	312	31	3.8	1.4	199	30	5.9	0.2	149	31	7.6	4.0	182
0.3 a.m.s.l. .									31	5.4	2.7	216	31	3·8	1·4	196	30	6·4	0·2	143	31	7·9	3·8	182
0.6 ,, .	31	5.1	2.9	322	29	9.0	3.9	245	31	6.2	3.3	236	31	3·6	1·8	191	30	7·1	0·4	220	31	8·8	4·8	191
0.9 ,, .	31	5.0	3.1	330	29	8.3	3.2	260	30	6.4	3.6	260	31	3.4	1.4	226	30	6.7	0.7	226	30	8.1	3.9	215
1.5 ,, .	31	5.5	3.3	331	29	5.8	1.6	303	30	6.4	3.9	301	30	5.0	3.2	289	30	5.5	1.9	272	29	6.0	3.4	267
2.1 ,, .	31	5·3	3.6	339	29	4.9	2.2	356	29	7.1	5.8	307	23	5.4	4.2	301	28	5.5	4.8	291	28	6.3	4.4	301
3.[illegible] ,, .	26	6.0	3.5	001	25	6.2	4.4	025	26	8.6	7.2	303	13	7.6	6.2	300	24	7·6	6·9	306	20	7.5	6.3	301
3·6 ,, .	18	6.6	3.6	025	13	6.8	5.2	042	22	8.0	7.3	306					20	9·1	8·6	308	11	7·3	6·8	306
4·5 ,, .	10	6.6	2.3	342	3	13.0	9.3	003	13	6.5	4.9	299					19	9·4	8·9	297	5	9·4	8·2	305
5·4 ,, .	8	8.4	5.2	332					7	5.9	5.2	254					11	8·1	7·7	286	2	3·0	2·5	133
6.0 ,, .	8	9.5	4.6	269					5	5.0	3.7	235					10	7.0	6·6	277	2	4·0	3·0	214
7.2 ,, .	2	2·5	0·5	260					2	4·5	4.5	232					7	9·6	9·3	268				
9.0 ,, .																	5	10·0	9·2	236				

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

May, 1965 (Vaisakha 11—Jyaistha 10, 1887 Saka)

Station	AURANGABAD/CHIKALTHAN												BAHRAICH											
Time in I. S. T.	0530				1730				2330				0530				1130				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	3·5	3·3	273	31	4·2	2·9	303	31	5·1	3·8	292	31	1·8	0 5	060	31	1·3	0·2	.247	31	2·5	2·1	283
0·15 a.g.	31	8·2	7·1	293	31	5·3	3·3	308	31	9·5	7·7	303	31	9·0	2·2	014	31	3·9	0·7	183	30	7·4	3·8	312
0·3 a.m.s.l.													31	9·2	2·3	079	31	3·9	1·2	194	30	7·5	6·8	292
0·6 ,,													31	8·5	2·6	001	31	4·3	0·5	249	30	7.9	7.5	291
0·9 ,,	31	10·3	9·3	316	31	5.5	4·0	309	31	11.0	9.2	312	31	8·3	4·4	311	31	4.6	1.4	255	30	8·5	8·0	291
1·5 ,,	31	11·3	9·9	331	31	6·4	4·7	313	31	11·7	10·2	322	30	8·3	7·3	303	30	6·8	5·3	290	29	8·9	8·6	290
2·1 ,,	27	7·1	4·9	340	29	5·6	3·9	313	30	8·7	7·0	327	28	8·3	6·6	293	27	8·1	6·7	273	24	13 5	8 4	285
3·0 ,,	13	5·2	1·0	229	19	6·0	3·7	303	24	6·3	1·9	346	13	9·2	7·8	296	22	10·6	10·1	301	14	8·4	7 8	283
3·6 ,,	5	6·6	3·8	206	13	6·5	3·8	311	15	6·0	1·1	199	11	9·8	9·2	283	14	12·1	11·4	302	10	8·2	6·8	285
4·5 ,,					8	6·0	4·9	323	1	10·0	10·0	305	5	16·6	16·6	304	10	12 0	11·5	304	6	8·7	8·0	292
5·4 ,,					6	5·2	3·9	295					3	22·7	22·7	302	10	11·8	11·0	301	5	10 8	9·2	295
6·0 ,,					4	6·3	5·3	306					2	11·5	11·5	307	9	11·4	10·9	311	5	10·2	9·6	290
7·2 ,,					2	7·5	7·3	333					1	11·0	11·0	250	5	11·8	6·0	257	2	15·0	15·0	263
9.0 ,,																	1	15·0	15·0	230	1	17·0	17·0	256

Station	BANGALORE																BAREILLY							
Time in I. S. T.	0530@				1130				1730@				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	3·7	2·9	268	31	3·1	2·5	277	31	2·7	1·8	332	31	3·0	2·0	234	31	1·2	0·6	329	31	1·7	1 2	287
0·15 a.g.	29	6·4	5·3	271	31	5·4	4·1	277	31	4·7	2·9	324	30	7·1	4·2	227	31	6·5	4·4	339	31	5·3	3·8	306
0·3 a.m.s.l.																	31	6·3	4·1	341	31	5·0	3·5	304
0·6 ,,																	31	7·8	5·2	323	31	6·6	4·9	299
0·9 ,,																	31	7·7	5·3	317	31	6·9	5·1	292
1·5 ,,	28	6·8	4·5	296	31	5·4	4·5	300	31	5·3	2·8	344	30	7·6	2·9	252	30	8·1	5·1	307	31	7·7	6·0	282
2·1 ,,	28	6·1	3·3	356	31	5·7	3·2	020	31	5·7	3·3	356	30	5·3	2·1	008	30	8·6	5·8	298	31	8 4	6·5	281
3·0 ,,	25	7·6	5·9	043	24	6·3	3·8	048	31	5·9	4·1	035	29	6·2	4·8	031	29	10·8	8·1	289	29	8 8	7·1	277
3·6 ,,	24	7 4	6·1	053	20	6·5	5·3	068	31	6·2	4·6	051	26	6·9	5·3	050	24	12·2	10·1	283	26	8 6	7·5	284
4·5 ,,	21	6 9	5·2	062	16	6·1	4·3	075	29	5·5	3 0	078	14	6·1	4·0	070	19	11·4	9·0	274	23	9·1	7·7	282
5·4 ,,	19	5·4	2·7	082	14	4·7	2·1	058	26	5·3	1·7	042	2	5·5	3·0	334	13	11·4	9·8	267	18	9·3	8·2	286
6·0 ,,	19	5·2	0·8	082	14	4·6	1·2	071	25	5·4	1·3	037	1	6·0	6·0	270	11	11·2	10·2	268	11	10·8	10·0	277
7.2 ,,	19	5·5	1·2	104	14	3·9	0·9	015	24	4·8	0·1	151	1	3·0	3·0	225	2	16·5	15·7	248	3	11·0	10·6	262
9·0 ,,	15	4·7	1·6	186	10	3·9	0·5	164	16	4·0	0·7	006	1	5·0	5·0	145								

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

May, 1965 (Vaisakha 11— Jyaistha 10, 1887 Saka)

Station	BEGAMPET												BHAGALPUR								BHOPAL/BAIRAGARH			
Time in I. S. T.	0530				1730				2330				0530				1730				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	2.3	1.2	295	31	2·5	0.9	344	31	2.2	1.4	307	31	2.5	1.5	091	31	2.4	0.7	036	31	3.1	2.3	292
0.15 a.g. .	31	6.7	3.9	294	31	4·4	1·8	360	31	6.2	0.7	211	31	5.5	3.3	100	31	5.2	1.6	033	31	8.0	6.2	303
0.3 a.m.s. l. .													31	6.2	3.3	119	31	5.5	1.4	041				
0.6 ,, .	31	5.4	3.3	292	31	3.6	1·1	357	31	4.8	0.7	198	31	6.2	2.5	185	31	5.3	7.4	028	31	7.0	5.4	300
0.9 ,, .	31	8.3	4·7	316	31	4.5	2.2	360	31	7.0	0.4	220	30	6.8	3.4	240	31	5·5	1.3	290	31	9.3	7.5	312
1.5 ,, .	31	8·2	4·3	331	31	4.3	2·3	001	31	5·9	1.2	010	30	7.7	6.3	286	31	5.8	3.9	275	31	8.0	6.2	318
2.1 ,, .	31	6.7	2.1	342	31	4.0	2.2	344	31	5.1	1.9	012	29	9.2	8.4	296	28	7.3	6.1	273	30	6·4	4.4	294
3.0 ,, .	29	6.2	3·3	028	30	5.3	3.1	340	29	5.6	3.0	358	20	8.7	8.1	304	26	10.3	9.3	283	30	5.9	3.1	251
3.6 ,, .	28	6.3	4.5	037	30	5.9	2.8	334	16	6·7	5·4	350	15	7·8	6.8	295	19	10.6	8.5	285	29	6.0	3.5	245
4.5 ,, .	25	7·1	4·4	050	25	6.1	1.8	356	1	3·0	3·0	324	10	6·4	5·4	271	15	10.6	8.7	293	26	8.1	5.7	240
5.4 ,, .	21	5·8	1·6	068	25	5.3	2.4	297					6	7.0	6.6	233	10	8.9	7.8	273	19	9.0	6·4	261
6.0 ,, .	17	5.3	0.4	221	23	5·3	3.2	279					3	8.0	7·9	209	7	9.3	8.7	264	18	10.0	7.4	263
7.2 ,, .	16	6.2	3.5	266	15	6.5	3.1	283					1	6.0	6.0	209	4	9.2	8.9	260	10	9.9	9.1	264
9.0 ,, .	12	7.6	5.8	258	7	6.6	5.8	255									2	4.5	4.5	232	5	14.0	13.5	261

Station	BHOPAL/BAIRAGARH								BHUBANESHWAR															
Time in I.S.T.	1730				2330				0530				1130				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	4.1	2.8	294	31	2.6	2.1	292	31	3.4	2.3	205	31	4.4	2.4	191	31	6.4	4.7	174	31	4.9	3.7	193
0.15 a.g. .	31	6.2	3.8	282	31	7.4	5.8	298	28	5·4	3.4	216	31	5.2	3.2	192	31	8.7	6.1	178	28	6.8	5.5	192
0.3 a.m.s. l.									28	6·0	3.9	220	31	4.7	2.4	200	31	8.3	5.7	182	28	7.3	5.6	198
0.6 ,, .	31	6.0	3.9	284	31	6.3	4.7	300	28	6.3	3·1	226	31	4.2	1.8	214	31	7·4	4.2	178	27	7.6	5.1	198
0.9 ,, .	31	6.3	4.4	282	31	8.3	6.9	300	28	5.9	2·4	233	31	4.5	1.6	247	31	6.0	2.1	192	27	6.6	3.2	193
1.5 ,, .	31	6.3	4.9	281	31	7.0	5.8	300	26	5.7	1.3	343	29	5.7	2.3	327	29	4.4	1.8	342	26	5.1	1.4	335
2.1 ,, .	30	5.9	5·0	277	31	5.5	3.8	301	24	5.2	2.9	351	24	5.9	3.8	003	29	5.9	3.4	353	22	4.5	2.6	346
3.0 ,,	27	5.3	3.8	285	28	5.5	2.7	279	22	7·2	4.9	008	18	5.3	3.4	002	27	7.2	4.6	348	21	6.7	4.0	340
3.6 ,,	23	6.0	4.2	268	19	6·2	2.5	227	22	6.7	4·9	012	3	4.3	0.4	196	24	7·0	4.7	345	3	8.0	6.5	005
4.5 ,,	16	6.8	5.4	272					18	5·2	3·1	351					20	7·1	4.7	342				
5.4 ,,	15	9·1	8.5	273					16	5.0	0.8	199					17	5·8	3.9	325				
6.0 ,, .	14	12·5	11·4	268					16	5.9	2.2	176					17	4.9	3·1	312				
7·2 ,, .	11	15·5	14.2	271					10	5.5	2.5	160					6	7.4	3.7	250				
9·0 ,, .	4	19.2	18.9	245					6	8.2	4.0	180												

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

May, 1965 (Vaisakha 11—Jyaistha 10, 1887 Saka)

Station	BHUJ/RUDRAMATA												BIKANER											
Time in I. S. T.	0530				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	3 4	3·1	246	31	6·5	6.1	255	31	4·9	4·3	240	31	1·2	0·8	235	31	2·0	1·5	248	31	1·6	0.7	282
0·15 a. g. .	31	8·1	7·4	257	31	9·6	9·1	260	31	9·2	8·5	247	31	6·7	3·1	250	28	5·0	4·5	273	31	8·2	2·3	268
0·3 a.m.s.l. .	31	8·9	8.0	265	31	10.2	9·6	260	31	9·9	9·0	250	31	6·0	2·7	245	28	4·2	3·3	273	31	7·4	2·1	262
0·6 ,, .	31	10·2	9·0	274	31	9·7	9·2	260	31	10·2	9·3	262	31	7.5	4·0	263	28	6·1	4·9	273	30	8·7	3·3	268
0·9 ,, .	31	9·1	8·2	279	31	8·4	7·8	265	31	9·2	7·5	275	31	7·5	5·1	268	27	6·3	5·2	265	29	8·0	3·7	273
1·5 ,, .	30	7·4	6·1	267	31	8·0	7·0	270	31	6·8	5·0	279	29	6·8	5·5	278	26	5.6	4·9	275	27	6·2	4.4	273
2·1 ,, .	30	7·1	4.6	273	31	7·4	5·8	273	28	5·5	3·4	273	29	6·8	5·9	276	22	6·0	5·4	274	22	6·1	5·2	288
3·0 ,, .	26	7·4	2·8	310	31	7·9	5·1	285	28	5·4	2·3	281	26	8·2	6·6	293	19	6·8	6·1	275	17	8·0	6·6	285
3·6 ,, .	26	8·2	3·3	321	30	8·4	3·8	303	1	5.0	5.0	019	24	9·4	7·2	300	17	7·5	6·7	273	3	9.0	8·3	325
4·5 ,, .	21	7·9	4·5	335	28	9·8	5·1	308					18	9·6	7·5	320	13	8·6	8·6	290				
5·4 ,, .	18	9·2	6·4	328	26	10.0	6.0	312					16	12·4	9·9	320	9	10·1	9·2	284				
6·0 ,, .	17	10.1	7·1	319	23	10.0	6.2	321					13	12·3	9 6	320	8	10·9	10·1	299				
7·2 ,, .	3	12·0	11·7	312									10	15·2	12·9	300								
9·0 ,, .													3	19·7	17·3	300								

Station	BOMBAY/SANTA CRUZ																CALCUTTA/DUM DUM							
Time in I. S. T.	0530*				1130				1730*				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	0·5	0·3	276	31	2·9	2·1	260	31	5·5	5·1	290	31	2·1	1·7	265	31	1·7	1·5	197	31	2,7	2.3	180
0·15 a. g. .	31	3·8	2·0	280	31	4·4	3·2	263	31	6·9	6·3	282	31	4·4	3 2	265	31	6·6	5·3	209	31	5,3	4·1	181
0·3 a.m.s.l. .	31	4·0	2·1	275	31	4·3	2.3	267	31	6·9	6·4	285	31	4·8	3·3	271	31	7·2	5·8	215	31	5,5	4·2	184
0·6 ,, .	31	4·4	2·4	278	31	4·0	1·3	329	31	6·8	5·8	292	31	5·0	3·5	283	31	8.0	6·4	218	31	5·1	3·7	203
0·9 ,, .	31	5·0	3·4	299	29	4·2	2.4	338	31	6·5	5·7	296	31	5·4	3·9	303	31	7·6	4·8	224	31	5·2	3·0	217
1·5 ,,	31	5·5	3.2	316	28	5·1	2·8	334	31	5·4	4·4	307	31	5·3	4·4	332	31	6·0	2·8	281	27	5·6	2·5	243
2·1 , .	31	6·4	3.4	312	26	5·4	1·7	301	31	5·6	2·9	278	30	6·1	4.1	319	31	6·0	2·8	302	22	6·9	2·9	310
3·0 ,, .	31	6·5	1·8	225	23	6·3	2·8	195	31	6·3	1·2	248	29	6·1	1.3	239	31	7·0	5·4	312	20	9·0	7·1	314
3·6 ,, .	31	6·3	2·7	190	22	6·5	3·0	197	31	6·1	1·4	202	21	6·1	2.2	211	31	7·0	5·4	314	18	9·5	8·2	305
4·5 ,, .	31	6·4	1·7	250	21	6·0	1·5	254	31	5·9	0·2	045	19	5·0	0·5	240	31	7·3	5·2	304	9	11.6	8·9	306
5·4 ,, .	31	7·1	2·5	295	20	7·4	3·3	285	31	7·0	2.3	315	12	6.6	2·5	291	31	6·9	5·3	269	8	12·3	9·1	289
6·0 ,, .	31	9·2	4·1	299	20	8·7	4·8	290	31	7·8	3·8	296	7	8.7	1·2	266	31	7·5	5·5	259	6	12·5	8·4	285
7·2 ,, .	31	9·6	6·0	278	19	10·6	7.3	283	31	9·3	5·2	280					30	10·6	8·2	259	5	16·8	10·6	271
9·0 ,, .	29	11·2	7·8	260	19	11·3	9.6	262	30	11·2	7·6	263					29	11·5	9·0	248	5	22·8	19·1	256

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

May, 1965 (Vaisakha 11—Jyaistha 10, 1887 Saka)

Station	CALCUTTA/DUM DUM								COCHIN/WILLINGDON†												DEHRADUN			
Time in I. S. T.	1730*				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	3.7	3.2	190	31	2.5	2.0	175	31	0.5	0·3	354	31	4.3	3.9	286	31	1.9	1.2	299	31	0.5	0·4	017
0·15 a.g. .	31	7.3	6.2	190	31	7.6	6.8	186	27	2.7	1.2	009	30	5.8	5.0	292	28	4.0	2.5	305	31	2.1	1.3	040
0·3 a.m.s.l. .	31	7.8	6.2	189	31	8.9	6.3	195	27	3.5	2.4	041	30	6.2	5.7	293	28	4.6	3·2	300				
0·6 ,, .	31	7.9	5.8	183	31	9.2	6.4	201	27	5.0	4.2	305	30	7.0	6.5	296	28	5.6	4.8	299				
0·9 ,, .	31	6.1	8.6	198	31	7.9	4.7	213	27	5.3	4.5	301	30	6.4	5.9	302	28	5.7	5.1	302	31	2.7	1.2	034
1·5 ,, .	31	5.2	2.0	295	28	6.3	1.8	266	26	5.2	4.5	303	26	5.7	4.5	325	25	4.8	4.0	306	31	3.0	0.3	355
2·1 ,, .	30	6.1	4.3	325	26	6.9	1.7	294	22	4.9	3·0	341	25	6.0	4.1	347	22	5.5	2.8	344	30	4.7	0.7	294
3·0 ,, .	30	8.4	7.1	324	14	8.0	4.9	332	13	5.5	4.3	060	19	6.7	4.4	021	13	8.5	4.4	024	25	6·1	2.1	292
3·6 ,, .	30	9.2	7.8	320	6	7.0	4.6	005	10	5.2	3.8	074	12	6.6	5.0	047	8	6.6	5.5	061	21	6.7	3·5	299
4·5 ,, .	30	7.9	5.6	308	4	7.5	3.8	340	8	7.0	4.0	079	9	5.8	1.6	029	2	6.0	6.0	100	17	6·3	4·0	299
5·4 ,, .	30	7.8	5.8	284	3	7.0	2.4	228	4	10.3	5 6	127	3	6.0	5.7	088					11	9·0	7.8	289
6·0 ,, .	30	7.6	5.5	267	3	7.7	2.9	273	3	10.0	9.7	106	2	5.0	4.9	077					10	10·6	9.7	283
7·2 ,, .	30	9.7	8.0	259	3	11.3	4.8	261					1	1.0	1.0	070					5	12·6	11·9	270
9·0 ,, .	29	11.1	9.1	243	3	10.0	7.4	208																

Station	DEHRADUN				DIBRUGARH/MOHANBARI																GADAG			
Time in I. S. T.	1730				0530				1130				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	1·5	0·3	255	31	1.0	0.8	043	31	1·0	0·9	051	31	1.3	0.9	032	31	0.9	0.7	046	31	4.6	4.2	253
0·15 a.g.	29	4·2	1 4	260	27	4.6	3.7	050	25	2.3	1·4	070	30	3.8	2.1	043	24	3.2	1.9	039	31	7.8	7.1	263
0·3 a.m.s.l.					27	4.6	3.6	054	25	2.3	1.3	072	30	3.9	2.1	048	24	2.9	1.5	040				
0·6 ,,					27	4.6	3.5	063	25	2.6	1.8	073	30	3.4	2.1	080	24	3.0	1.8	068				
0·9 ,,	29	4·3	1·2	275	27	3.9	2·6	079	25	2.6	1.6	092	30	3.0	1.4	116	24	3.0	1.8	086	31	8.8	7.5	294
1·5 ,, .	29	4 4	1·8	270	27	4.0	1.2	111	24	3.2	1.6	170	29	7.0	1.8	183	24	3.1	0.8	178	31	9.1	7.3	332
2·1 ,, .	29	4.3	1·4	267	25	4.5	2.4	207	23	4.7	3.0	213	27	5.5	3.8	217	24	4.2	3.3	220	31	7.4	4.2	359
3·0 ,, .	25	4·1	2·3	278	16	3·4	2.0	229	19	5·1	3.3	199	21	6.0	4.4	218	16	5·1	4·0	223	31	5.9	3.6	069
3·6 ,, .	24	4·3	1.9	285	8	4 0	3·8	233	6	6.3	0·7	133	16	5.5	3.0	222	11	5·4	5·0	218	31	6.5	5·4	077
4·5 ,, .	17	3.7	2.9	283	5	4.8	4.4	234	3	4.3	4.3	230	10	5.8	4.3	244					30	6.1	4·6	083
5·4 ,, .	16	6.1	5.1	292	2	5.5	3.7	238	3	8.3	8.2	247	7	8.6	7.3	263					28	5.0	1.5	118
6·0 ,, .	15	8.4	6.7	290	2	6.5	5·7	237	1	11.0	11.0	256	7	10.4	9.9	263					27	4.3	0.5	030
7·2 ,, .	10	10.0	8.4	282					1	11.0	11.0	241	1	9.0	9.0	270					25	5.4	1.2	305
9·0 ,, .	2	13.5	12.0	300																	25	5.4	2·0	272

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

May, 1965 (Vaisakha 11—Jayistha 10, 1887 Saka)

Station	GADAG								GANGTOK								GAUHATI							
Time in I.S.T.	1730				2330				0830				1730				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	3.9	1.1	266	31	6.1	5.4	262	31	0.7	0.6	002	31	1.0	0.4	144	31	0.8	0.3	045	31	1.9	1.3	035
0·15 a. g. .	30	6.4	2.2	283	30	10.1	9.7	263	19	2.4	1.2	360	13	3.1	2.8	169	31	3.6	2.0	080	29	3.1	2·3	049
0·3 a.m.s.l. .																	31	3.9	2.3	082	29	2.9	2.0	063
0·6 ,, .																	31	4.1	1.6	069	29	2·8	1.7	080
0·9 ,, .	30	6.0	2.4	298	30	10.2	9.5	276									30	4.1	0.7	305	28	3·1	0.2	169
1·5 ,, .	30	5.4	2.8	306	30	7.3	5.7	318									30	5.4	3.5	246	26	5.7	4.2	235
2·1 ,, .	29	5.6	3.3	337	30	6.0	3.4	016	19	2.0	0.3	235	13	2.8	2.7	172	30	7.0	6.1	260	24	8.4	7.2	256
3·0 ,, .	26	4.8	3.0	356	30	6.1	4.6	063	18	1.9	1.3	153	9	1.3	0.4	210	30	8.4	7.6	268	22	10·7	7.7	260
3·6 ,, .	22	5.2	3.6	015	27	7.1	5.8	068	13	2·8	0.8	204	9	1.9	1.5	248	30	10.4	8.7	268	20	10.7	10.1	268
4·5 ,, .	20	4.7	2.5	016	17	6.3	4.0	076	11	6.7	5.2	244	7	4.0	3.9	270	30	11·6	10.3	270	15	13.8	13.4	271
5·4 ,, .	16	5.6	2.4	003	8	5.4	2.2	041	10	9.4	7.4	233	5	8·8	8.0	257	30	11·9	11.0	269	11	12.8	11.9	265
6·0 ,, .	14	5.9	2.1	329	4	6·5	1.8	187	8	12.4	11.7	248	3	10.0	9.4	233	27	12.2	11.2	265	11	12.6	11.3	266
7·2 ,, .	12	7.0	3.4	319					5	17.0	16.4	255	1	16·0	16·0	230	25	12.3	11.6	260	5	9.4	7.6	275
9·0 ,, .	9	4.6	0.4	086					2	19.0	19.0	237					26	14.8	14.1	266	5	12.6	11.8	285

Station	GAUHATI								GAYA															
Time in I.S.T.	1730*				2330				0530				1130				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1.5	0.9	045	31	2.1	1.1	078	31	1·9	0.6	157	31	3.7	2.0	304	31	4·2	3.1	330	31	2·3	0.6	123
0·15 a.g. . .	31	3.8	2.1	050	29	3.7	2·5	088	31	5·2	2.4	228	31	5.4	3.5	303	31	5.8	4.4	330	31	6.4	1.4	019
0·3 a.m.s.l. .	31	3.8	2.1	048	29	3.9	2.8	088	31	5·3	2.5	238	31	5.5	3.7	300	31	5.7	3.7	008	31	6.5	1.6	012
0·6 ,, .	31	3.3	1.4	054	29	4.1	2.2	085	31	5.7	2.5	282	31	5.4	3.7	304	31	6.5	5.0	323	31	6.8	2.2	343
0·9 ,, .	31	3.3	0.5	287	29	3.9	1.1	138	31	6.0	4.4	295	29	5.3	3.2	308	31	6.9	5.6	316	31	6.4	3·3	328
1·5 ,, .	31	5.0	4.3	250	28	6.5	4.6	243	30	7·3	6.4	308	25	7.2	4.9	302	31	6.7	5.8	305	31	6.3	5.1	310
2·1 ,, .	31	7·9	6·8	253	26	7.6	6.8	254	30	8.7	8.1	309	17	5.9	4.7	309	28	6.9	6.2	302	28	7.2	6.2	300
3·0 ,, .	31	9.1	8.7	270	18	7.4	6.2	256	29	10.4	9·6	305	12	6.9	6.1	305	26	7.5	6.0	292	20	7.8	6.4	296
3·6 ,,	31	10.3	9·7	272	9	8.6	7.0	268	23	10.6	9·8	298					20	8.6	8.0	284	5	9.4	8.0	290
4·5 ,, .	31	10.5	9.7	276	2	4.5	3.6	213	16	10·9	10·3	295					15	10.9	10.1	284	1	10.0	9.5	280
5·4 ,, .	31	11.8	11.1	271	1	5.0	5.0	220	8	9·5	8·0	286					12	10·7	10·0	287				
6·0 ,, .	31	12.7	11·8	267	1	6.0	6.0	265	5	8·8	6·9	250					8	9·9	8·9	281				
7·2 ,, .	31	13.4	12.5	265	1	6.0	6.0	290	3	10·7	9·5	252					2	10.0	9.8	260				
9.0 ,, .	31	17.2	15.9	266													1	4.0	4.0	294				

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 km. above mean sea level

May, 1965 (Vaisakha 11—Jyaistha 10, 1887 Saka)

Station	GOPALPUR												GORAKHPUR								GWALIOR			
Time in I.S.T.	0530				1730				2330				0530				1730				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	1.9	1.6	227	31	3.5	2.8	197	31	3.0	2.5	210	31	1.0	0·7	075	31	1.7	1.5	277	31	1.7	1.1	263
0·15 a.g.	31	6.3	5.0	217	30	9.5	7.9	192	31	8·0	6.1	206	31	6.4	2.7	076	31	5.4	4.4	293	31	5.4	3.2	294
0.3 a.m.s.l.	31	5.5	3.9	224	30	8.2	6.6	196	31	7.5	5.6	207	31	7.3	2.1	081	31	5·8	5.0	290	31	4.7	3.0	288
0.6 ,,	31	4.9	2.8	236	30	5.0	3.1	199	31	6.3	3.8	201	31	7.8	1.9	333	31	7.0	6.4	283	31	7.1	4·7	319
0.9 ,,	31	4.8	2.2	230	29	5.1	0.9	255	28	5.2	1.3	220	30	8.0	4.6	309	31	7.1	6.6	285	31	7.1	4.9	315
1.5 ,,	31	5.3	1.5	320	29	4.9	2.9	349	28	4.1	0.7	340	30	9.2	7.9	298	31	7.7	7.2	285	31	7.5	6.2	300
2.1 ,,	28	4.9	3.5	359	29	5.9	0.9	012	24	4.4	2.3	012	29	9.9	9.2	294	31	9.0	8.5	284	27	7.4	6.0	285
3.0 ,,	23	6.0	4.2	015	25	7.8	5.3	003	17	6.0	2.5	031	25	11.4	10.8	286	28	10.5	9.9	285	23	8.4	6·2	271
3.6 ,,	19	7.0	5.1	004	22	1.7	5·0	001	2	4.5	4.3	025	22	12.7	11.2	280	25	11.7	10.9	288	21	9.9	7.0	263
4.5 ,,	17	6.1	3.9	347	15	6.0	3.6	331					13	10.5	10.2	274	19	11.1	10.5	288	18	11.2	8.9	258
5.4 ,,	11	2.7	0.8	285	12	4.2	3.3	298					10	9.1	8.6	271	12	12.0	11.2	282	15	11.5	10.2	258
6.0 ,,	10	3.9	1.7	235	10	5.0	4.1	264					8	10.1	9.5	265	10	10.5	9.7	276	14	12.1	10.9	255
7.2 ,,	4	6.5	4.9	218	3	5.3	4.1	270					5	10.8	10.3	245	5	15·6	14·7	273	13	15.2	13.1	257
9.0 ,,					1	8.0	8.0	219					3	10.3	10.2	237	1	11·0	11·0	304	7	18.1	17.6	267

Station	GWALIOR												IMPHAL/TULIHAL											
Time in I.S.T.	1130				1730				2330				0530				1130				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	2.6	4.1	302	31	3.2	2.6	290	31	1·9	1.3	280	31	0.7	0·5	031	31	1.4	0.4	246	31	3.1	2.5	298
0.15 a.g.	31	4.1	2.8	298	31	6.2	4.9	300	31	6.2	3.3	310	28	2.4	0.9	040	30	3.0	1.3	259	31	5.7	4.5	294
0.3 a. m.s.l.	31	4.0	2.8	298	31	5.3	4.1	300	31	5.5	2.6	306												
0·6 ,,	31	4.9	3.5	294	31	7·0	5.6	297	31	7.0	4.5	312												
0·9 ,,	31	4.6	3.1	289	31	7.4	6.1	294	31	6.8	4.9	304	28	2.4	0.9	043	30	2.9	1.0	258	31	5.5	4.5	295
1·5 ,,	31	5.2	4.3	278	30	7.2	5.9	293	30	7.0	5.6	291	28	4.8	2.3	265	30	3.6	2.0	267	31	4.5	3.0	251
2·1 ,,	28	7.0	5.7	278	24	7.0	5.5	286	27	6.4	5.2	274	25	7.4	5.9	257	25	6.2	4.5	266	31	7.3	5.8	252
3·0 ,,	22	9.6	8.0	269	21	7.7	6.2	277	21	6.3	5.0	256	19	11.2	10.2	266	22	8.4	7.5	267	26	10.0	8.8	273
3·6 ,,	20	10.7	8.2	259	18	7.6	6.0	268	2	5.5	5.5	201	16	10.6	9.8	278	17	10.6	10.1	275	23	10.0	9.6	286
4·5 ,,	17	8.6	6.6	263	12	9.3	7.9	257					8	8.5	8.0	268	8	11.7	11.5	278	16	11.9	11.7	260
5·4 ,,	15	9.3	8.0	260	9	11.4	10.4	257					1	5.0	5.0	266	3	12.7	12.2	289	6	9.8	9.5	264
6·0 ,,	13	10.8	9.4	262	9	12.4	11.5	259					1	6.0	6.0	286					5	9.6	8.6	258
7·2 ,,	12	15.3	13·2	262	6	16.0	15.2	276					1	4.0	4.0	310					3	10.7	9.9	249
9·0 ,,	4	19.3	18.1	263	2	21.0	20.5	253													2	22.0	22·0	254

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 km. above mean sea level

May, 1965 (Vaisakha 11—Jyaistha 10 1887 Saka)

Station	IMPHAL/TULIHAL				JABALPUR												JAGDALPUR							
Time in I.S.T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	0.9	0.1	292	31	0.6	0.3	245	31	1.7	1.2	303	31	0.5	0.3	290	31	0.3	0.2	194	31	1.5	0.1	247
0.15 a.g.	28	2.8	0.7	331	31	4.6	1.3	293	31	5.2	3.4	306	31	6.2	3.7	318	31	4.8	2.9	225	30	5.0	1.2	010
0.3 a.m.s.l.																								
0.6 ,,					31	5.0	1.6	304	31	5.3	3·8	304	31	6.6	4.0	317	31	2.5	1.4	223	30	3·8	0.7	010
0.9 ,,	28	2.6	0.6	325	31	6.2	3.6	332	31	5.3	3.9	302	31	8.1	5.5	323	31	5.8	3.6	236	30	5.5	1.8	008
1.5 ,,	28	4.0	2·5	226	30	6.5	4.7	338	30	5.3	4.2	303	30	6.8	5.3	325	31	5.3	2.8	290	30	5.3	3.0	352
2.1 ,,	26	6.4	5.2	242	29	5.6	4.0	328	29	5.3	4.3	302	30	5.8	4·9	322	31	5.2	3.6	338	30	5.2	3.4	337
3.0 ,,	18	9.0	8.2	260	25	5.6	3.8	312	24	5.0	4.0	291	24	4.9	3.4	292	28	6.5	5.5	354	26	6.0	4.4	334
3.6 ,,	16	9.0	8.7	260	20	6.1	4.0	374	21	5.8	4.5	285	17	6.2	4.3	265	25	6.8	5.4	002	24	6.8	5.4	340
4.5 ,,	5	6·0	3·9	267	14	7.2	5.6	272	17	8.0	6.0	272	3	8·0	5.3	244	19	6.7	5.5	004	14	7.6	6.0	332
5.4 ,,					13	7·8	6·9	274	10	7.6	7.0	272	1	12.0	12.0	250	14	5·1	2.7	325	9	9.6	7·9	310
6.0 ,,					9	7·7	6·3	297	8	11.4	10.5	268					12	6·0	3·4	302	6	7·6	4·4	313
7.2 ,,					4	14·5	13·5	278	4	12.5	11.7	267					8	7·4	5·2	278	4	7·7	6·5	240
9.0 ,,									3	11.7	11.2	255					5	7·6	3·0	213	2	12·5	11·2	251

Station	JAGDALPUR				JAIPUR/SANGANER												JAMSHEDPUR							
Time in I.S.T.	2330				0530				1730				2330				0530				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	0.7	0.5	162	31	0.7	0.5	344	31	3.4	2.5	289	31	1.0	0.6	309	31	0.4	0.2	181	31	1.9	1·1	250
0.15 a.g.	31	5.4	3.3	177	31	7.0	3.0	309	31	6.8	5.3	273	31	7·1	4.5	299	31	3.3	2.4	235	31	3.6	2.0	251
0.3 a.m.s.l.																	31	3.4	2.7	228	31	3.6	2.1	249
0.6 ,,	31	3.9	2.5	172	31	7.3	3.6	305	31	7.3	5.5	268	31	7.5	5.1	295	31	5.3	3·9	245	31	3.9	2.1	247
0.9 ,,	31	5.6	2.4	177	31	8.5	5.5	291	31	7.3	5.7	275	31	8.5	5.9	290	31	6.7	4.0	258	31	5.0	2·3	255
1.5 ,,	31	4.7	0.5	312	31	8.4	6 9	281	30	7.8	6 5	279	31	7.0	5.7	291	31	6.3	4.0	299	30	5·0	2·5	301
2.1 ,,	30	4.6	2.8	331	28	9.1	8.1	285	28	7.2	5·8	276	28	7.5	6.0	285	30	5.7	4.8	317	29	5·2	3·2	328
3.0 ,,	26	6.7	5.5	345	22	9.2	8.0	279	21	7.9	7·0	282	14	8·0	5.7	273	25	6.9	5.6	321	18	6.9	5.2	340
3.6 ,,	11	8.1	7.3	353	20	10·4	8.2	279	20	7.5	6.6	283	6	8.5	7.4	256	20	7.2	6.3	318				
4.5 ,,	3	6.7	6.2	354	15	12.6	10.1	285	18	9.6	8.3	278					12	9.3	9.0	318				
5.4 ,,	1	4.0	4.0	285	11	13.0	11.1	284	15	10.6	9.5	279					9	6.4	5.2	287				
6.0 ,,					8	12·9	10.1	278	15	14.0	12.5	283					9	8.1	6.0	267				
7.2 ,,					1	17.0	17.0	310	10	18·1	17.4	286					2	12.5	11.9	224				
9.0 ,,									1	26·0	26·0	255												

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

May, 1965 (Vaisakha 11—Jyaistha 10, 1887 Saka)

Station	JAMSHEDPUR				JHARSUGUDA												JODHPUR							
Time in I.S.T.	1730				0530				1730				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	2·4	0·4	082	31	1·2	0·7	142	31	3·3	0·7	251	31	1·7	0.9	148	31	2.2	1.4	257	31	3·8	3·0	231
0.15 a.g. .	30	4·5	1·2	133	31	4.5	2·3	160	30	5.4	0·4	293	31	5.5	2·9	178	31	6·9	2.6	264	31	6.5	5·4	234
0.3 a.m.s.l. .	30	4.6	1·1	131	31	3·6	1·9	151	30	5·1	0·7	284	31	4·3	2·1	170	31	7·0	2·8	264	31	6.0	5·2	235
0.6 ,, .	30	5·1	0·7	198	31	5·4	2·3	199	30	5·6	1.2	345	31	5·7	2·1	183	31	7·3	3.6	257	31	7.0	5.8	237
0.9 ,, .	30	4·8	1·0	262	31	5·9	2·4	236	30	5·2	1.2	339	31	5·2	2·1	207	31	7.3	4·7	257	31	6·5	5·7	244
1.5 ,, .	30	4·7	1·7	283	31	6·5	3.3	305	30	4·6	2·0	325	31	4·9	1·2	278	31	6·9	5·3	255	30	7.0	6.1	252
2.1 ,, .	27	5.3	3·1	289	31	5·7	3.8	322	29	4·8	2·7	328	31	5·5	3.9	321	31	5·9	4·8	262	28	6.9	5.7	255
3.0 ,, .	18	6.8	6·1	304	31	6.9	5·3	336	26	6·5	5·5	324	30	6·8	5·8	334	31	7·1	4·9	263	27	6·6	4·2	272
3.6 ,, .	15	7·3	6·7	320	28	7·3	5·7	323	24	7.6	6·5	322					31	7·4	4·6	279	27	6·6	3.9	273
4.5 ,, .	10	10·6	9·1	320	22	8·1	6·5	320	21	8·5	6.6	320					31	8.6	4·7	270	26	6.6	4·2	287
5.4 ,, .	8	9.1	7·3	303	14	7·1	6·0	302	20	8.2	7.0	309					31	9·2	6·6	288	26	9·3	6·9	289
6.0 ,, .	6	7·3	6·8	261	13	6·3	4.7	282	18	7·7	6·1	282					31	11·2	8·0	282	26	11·4	9·1	286
7.2 ,, .	1	15.0	15.0	249	9	7·3	4·4	270	8	11.6	11.3	266					31	14·5	11·4	273	25	15·4	12·6	283
9·0 ,,					3	8·7	7·6	246	4	11·0	10·2	236					29	19·3	16·1	268	22	19.7	17·1	281

Station	JODHPUR								LUCKNOW/AMAUSI												MADRAS/ MINAMBAKKAM			
Time in I.S.T.	1730*				2330				0530				1730				2330				0530*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	4·1	3·5	257	31	3·0	1·9	242	31	1·1	0·2	345	31	3·8	3·1	310	31	1·2	0.5	316	30	4·1	3·2	255
0.15 a.g. . .	31	6·0	4·7	267	31	10·1	7·0	244	31	7.9	1·7	282	31	6·9	5·6	307	31	8·8	6.6	322	30	6.8	4.9	246
0.3 a.m.s.l. .	31	6·1	4·8	267	31	8.5	5·4	245	31	8·2	1·8	339	31	7·1	5·6	305	31	8·8	6.6	324	30	7·5	5·4	250
0.6 ,, .	31	6·1	4·7	260	31	10·6	7·5	252	31	9.0	5·2	327	31	7.9	6·3	303	31	8·8	6·9	320	30	8.3	5·4	250
0.9 ,, .	31	6.5	5·5	253	31	10·2	8·1	250	31	8·4	5·7	317	31	8·0	6.6	299	31	8·3	7·1	316	30	7·3	3·9	266
1.5 ,, .	31	6·5	5·5	253	30	8·8	7·9	253	31	8·1	6·7	299	31	8.7	7·3	295	30	7·9	6·9	299	30	5·6	2·3	337
2.1 ,, .	31	5·6	4.5	253	26	7·3	6·6	261	29	9·8	8·7	296	28	7·9	6·7	287	26	7.8	7·2	286	30	6·7	4·5	032
3.0 ,, .	31	5·4	3.6	258	19	7·2	5·6	275	27	10·7	9·5	292	27	8·5	7·5	284	20	8·6	7·8	270	30	8·5	7·0	041
3.6 ,, .	31	5·8	3·8	271	7	6·1	4.8	330	25	13·0	11·4	287	26	9·5	8·1	283	12	8·7	7·6	270	30	8·5	6·9	040
4.5 ,, .	31	7.3	5·3	288	2	10·0	6·9	275	20	13·0	11·2	279	25	11·7	10·0	273	3	9·3	8.0	305	30	7.9	5·9	038
5.4 ,, .	31	10·1	8·0	290					16	13·5	12·2	276	23	13·5	12·3	276	1	4·0	4·0	270	30	5·7	2·5	047
6.0 ,, .	31	11·3	8·9	290					13	12·2	9·8	274	21	13·8	12·3	275					30	5·6	1·3	050
7.2 ,, .	31	14·1	11·6	280					10	14·5	12·6	256	16	17·3	14·6	266					30	5·5	0·2	118
9.0 ,, .	31	20·1	17·2	273					5	20·4	18·0	255	4	18·5	18·5	247					30	4·4	1·3	193

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

May, 1965 (Vaisakha 11—Jyaistha 10, 1887 Saka)

Station	MADRAS/MINAMBAKKAM												MANGALORE/BAJPE											
Time in I.S.T.	1130				1730*				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	3.6	1.8	258	31	4.7	3.6	138	31	3.7	3.3	161	31	1.1	0.7	014	31	4.0	3.7	299	31	1.5	1.2	311
0.15 a.g.	31	5.5	3.7	263	31	6.0	4.4	137	31	7.8	6.5	175	30	3.4	2.6	358	31	7.2	6.6	293	31	4.5	4.0	312
0.3 a.m.s.l.	31	5.6	4.0	266	31	5.7	3.7	151	31	8.1	6.5	178	30	3.5	2.4	341	31	7.5	7.3	295	31	5.3	4.7	311
0.6 ,,	31	5.9	4.0	269	31	4.7	1.5	185	31	7.0	4.7	189	30	4.7	4.3	317	31	7.2	6.9	302	31	5.7	5.4	314
0.9 ,,	31	6.1	3.8	276	31	4.3	1.6	291	31	5.5	2.3	211	30	5.6	5.0	308	31	5.7	5.4	315	30	5.4	4.4	309
1.5 ,,	31	5.5	2.5	328	31	4.9	3.3	333	31	5.2	2.5	287	28	5.4	4.2	314	29	5.2	3.9	340	29	4.9	3.4	006
2.1 ,,	28	6.5	4.1	016	31	6.6	3.9	014	31	6.0	3.4	350	24	5.0	1.7	355	25	5.5	3.3	015	24	4.6	1.7	309
3.0 ,,	24	8.4	7.0	032	31	8.1	5.5	038	31	7.5	5.1	022	19	6.7	5.6	066	22	6.7	4.5	070	19	6.3	4.8	061
3.6 ,,	21	8.7	6.9	035	31	8.4	6.6	042	22	8.0	5.4	028	12	7.0	6.2	067	20	7.5	5.8	076	12	6.0	3.9	052
4.5 ,,	14	6.0	3.0	035	30	7.6	4.8	041	10	8.6	6.7	016	7	6.0	3.3	073	16	7.1	5.1	092	7	4.7	2.3	045
5.4 ,,	13	6.4	0.4	118	30	6.3	2.9	008	1	4.0	4.0	010	7	5.3	2.0	080	10	5.5	3.7	077	4	5.5	3.8	262
6.0 ,,	13	6.9	0.6	016	30	5.9	2.0	348	1	4.0	4.0	340	6	4.2	1.4	092	10	6.1	3.7	062	4	5.0	3.3	308
7.2 ,,	6	8.0	0.4	071	30	5.0	1.0	327					4	4.3	2.3	163	4	6.3	1.9	141				
9.0 ,,	3	8.0	2.8	345	29	4.9	1.3	186					4	4.5	3.9	212	2	4.0	3.8	099				

Station	MINICOY																NAGPUR/SONEGAON							
Time in I.S.T.	0530				1130				1730*				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	2.9	2.6	290	31	3.0	2.2	301	31	4.4	3.9	280	31	3.2	2.6	277	31	2.1	1.2	316	31	3.1	2.2	346
0.15 a.g.	30	5.4	4.9	280	30	5.2	4.6	300	31	6.0	5.4	287	31	5.6	4.8	286	31	6.3	3.0	315	31	4.9	3.8	353
0.3 a.m.s.l.	30	5.6	5.1	287	30	5.5	4.8	299	31	6.0	5.4	293	31	5.7	5.0	286								
0.6 ,,	30	6.5	5.9	290	29	6.1	5.3	297	31	6.1	5.5	299	31	6.3	5.7	291	31	6.7	3.7	312	31	4.7	3.3	353
0.9 ,,	30	6.6	5.9	292	28	5.9	5.3	296	31	6.0	5.5	295	31	6.3	5.7	295	31	6.8	3.9	313	31	4.5	3.2	347
1.5 ,,	29	5.4	4.4	295	26	5.4	4.3	298	31	5.4	4.0	301	28	5.1	3.7	297	31	5.9	3.7	314	28	4.8	3.1	340
2.1 ,,	28	5.5	2.2	322	24	5.4	2.5	321	31	5.3	2.9	319	25	5.1	1.7	319	31	5.7	4.1	327	28	4.1	2.2	328
3.0 ,,	22	5.5	2.0	085	17	5.9	1.5	029	31	5.0	1.9	029	16	5.1	2.5	080	31	4.3	2.2	340	22	3.9	2.2	269
3.6 ,,	22	4.8	1.9	086	14	4.9	2.8	082	31	5.8	1.9	009	10	4.3	2.0	058	31	4.5	1.7	325	22	4.8	3.1	253
4.5 ,,	17	4.2	1.4	114	12	4.9	0.6	352	31	5.6	1.5	349	4	4.7	1.6	133	31	5.3	1.9	292	21	6.1	4.3	256
5.4 ,,	16	5.5	0.7	144	13	6.2	1.8	265	30	5.2	0.7	303					31	6.3	2.8	277	19	7.7	4.6	270
6.0 ,,	16	5.5	0.9	110	12	6.1	1.6	240	30	5.1	0.9	269					31	7.5	5.0	265	18	8.7	6.5	259
7.2 ,,	11	5.1	1.7	054	8	4.9	0.3	146	30	5.0	1.0	243					31	9.4	7.9	264	15	10.9	9.4	251
9.0 ,,	9	4.6	1.1	074	4	5.5	1.6	130	30	4.7	1.8	080					31	10.5	9.1	250	10	17.8	16.4	255

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

May, 1965 (Vaisakha 11—Jyaistha 10, 1887 Saka)

Station	NAGPUR/SONEGAON								NEW DELHI/SAFDARJUNG															
Time in I. S. T.	1730*				2330				0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1·9	1·4	307	31	2·0	1·5	320	31	2·3	1·2	289	31	3·5	1·7	302	31	3·1	1·3	286	31	1·9	1·0	316
0·15 a. g. .	31	4·5	2·9	300	31	7·9	3·8	313	31	7·4	3·3	305	31	5·6	3·1	294	31	6·5	3·2	291	30	7·9	5·4	330
0·3 a.m.s.l. .									31	5·7	3·0	300	31	5·9	3·2	303	31	4·7	2·4	291	30	6·0	3·9	335
0·6 ,, .	31	4·2	2·7	300	31	8·0	3·9	314	31	7·5	3·9	309	31	6·0	2·9	289	31	6·6	3·7	290	30	8·1	6·1	319
0·9 ,, .	31	4·0	2·4	302	31	7·2	3·8	313	31	7·2	4·4	312	31	6·1	3·6	283	31	6·7	4·0	294	30	8·3	6·5	312
1·5 ,, .	31	4·1	2·7	306	30	5·3	3·5	313	31	6·6	4·8	301	31	6·8	3·8	283	31	7·6	5·1	287	30	8·4	7·5	297
2·1 ,, .	31	4·4	3·2	313	30	5·1	3·4	317	31	8·2	7·0	288	29	7·7	6·0	285	31	7·5	5·1	292	27	9·0	6·8	288
3·0 ,, .	31	4·5	3·2	310	26	4·5	2·4	307	31	9·6	8·3	281	28	9·7	8·0	282	31	8·6	6·1	285	17	9·0	7·5	277
3·6 ,, .	31	4·8	3·3	307	17	4·2	1·3	310	31	10·8	8·3	274	26	11·3	9·8	283	31	9·6	7·5	280	1	17·0	17·0	260
4·5 ,, .	31	5·4	3·2	308	6	4·5	2·1	313	31	11·9	9.1	274	26	11·0	9·4	285	31	10·9	8·9	280				
5·4 ,, .	31	5·9	3·7	293	1	4·0	4 0	325	31	11·9	8·6	272	21	11·9	10·6	290	31	11·1	9·2	278				
6·0 ,, .	31	6·4	4.6	279	1	5·0	5·0	320	31	12·0	9·4	272	19	13·7	13·1	285	31	12·7	10·8	279				
7·2 ,, .	31	8·6	6·9	268					31	14·7	13·0	260	13	17·0	16·1	286	31	14·8	13·3	273				
9·0 ,, .	31	10·4	8·6	254					31	21·0	19·1	259	8	20·3	17·9	286	31	22·3	20·3	264				

Station	POONA												PORT BLAIR											
Time in I. S. T.	0530				1730				2330				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	0·4	0·4	270	31	2·4	2·1	282	31	1·2	1·2	272	31	4·3	3·4	222	31	4·7	3·1	219	31	4·2	3·6	225
0·15 a. g. .	31	4·9	4·7	273	31	5·7	4·6	285	31	5·6	5·3	267	31	6·4	5·1	221	31	6·3	4·3	220	31	6·4	5·2	229
0·3 a.m.s.l. .													31	6·3	5·0	221	31	6·7	4·9	225	31	6·4	5·2	230
0·6 ,, .	31	2·3	2·1	259	31	3·9	3·1	285	31	3·4	3·1	263	31	7·2	5·9	227	29	7·0	5·4	222	31	7·5	6·3	252
0·9 ,, .	31	5·9	5·0	289	31	6·5	5·3	285	31	7·1	6·4	284	31	7·4	5·9	229	25	7·1	5·3	222	31	7·7	6·6	235
1·5 ,, .	31	7·3	5·4	331	31	5·8	4·9	295	31	8·0	6·8	303	31	7·5	5·8	227	14	6.6	4·3	209	30	8·1	6·1	238
2·1 ,, .	30	5·5	1·9	347	31	5·1	3·5	295	31	5·6	2·6	310	31	7·7	5·0	227	7	5·7	2·7	122	30	7·8	5·8	234
3·0 ,, .	30	4.8	1·8	179	31	5·0	0·8	301	30	4·8	0·6	113	31	8·5	5·5	228	5	4·2	2·8	233	30	8·5	5·4	224
3.6 ,, .	30	5·2	1·8	185	30	5·3	0·1	237	27	5·5	1·5	149	31	8·7	5·0	230	4	5·0	3·1	118	30	7·4	4·7	229
4·5 ,, .	19	5 4	1·2	265	28	5·6	0·6	351	9	7·3	3·2	119	31	7 5	3·5	217	2	4.5	1·7	223	30	6·8	2·7	211
5·4 ,, .	11	6 3	2·4	358	27	6·9	2·6	333	6	7·7	1·5	235	30	6·7	3·2	205					28	6·9	3·2	205
6·0 ,, .	9	6·2	1·8	339	26	8·2	3·6	323	3	5·7	3·9	234	30	6·7	3·4	201					28	7·4	3·0	196
7·2 ,, .	5	7·2	4·6	257	19	9·0	5·6	276					30	5·9	2·9	197					28	6·1	2·4	167
9·0 ,, .	1	11·0	11·0	200	15	10·4	7·8	260					29	6·8	3·9	143					27	5·8	3·0	134

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 km. above mean sea level

May, 1965 (Vaisakha 11—Jyaistha 10, 1887 Saka)

Station	PORT BLAIR				RAIPUR												RAXAUL							
Time in I.S.T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	3.4	2·8	229	31	2·2	0·7	241	31	2·4	1·0	333	31	3·1	1·6	176	31	2·8	2·8	093	31	2·4	0·3	288
0.15 a.g.	30	6·3	4·7	228	31	6·2	2·4	262	31	3·7	1·6	324	31	8·1	3·2	188	31	8·2	7·9	102	31	5·1	1·9	272
0.3 a.m.s.l.	30	6·8	5·3	226													31	9·3	9·0	105	31	5·2	1·9	266
0.6 ,,	30	7·5	6·1	227	31	7·1	2·9	258	31	3·9	1·8	330	31	8·0	2·4	194	31	8·6	8·2	114	31	5·1	2·2	256
0.9 ,,	27	7·2	5·6	231	31	7·8	3·4	263	31	3·9	2·1	335	31	6·3	1·0	220	30	5·7	4·5	117	31	4·7	2·4	249
1.5 ,,	25	7·8	5·0	220	31	6·8	2·7	312	31	3·9	2·6	319	31	4·3	2·0	317	30	5·2	2·6	272	31	5·3	4·6	259
2.1 ,,	19	5·7	3·1	198	31	5·4	2·8	332	31	4·1	3·0	318	30	4·1	2·7	328	29	8·0	7·3	289	31	7·1	6·5	268
3·0 ,,	17	6·1	3·0	198	27	5·0	3·7	328	29	5·2	4·4	310	30	4·8	4·2	335	25	11·3	10·9	287	25	10·2	9·7	280
3.6 ,,	9	4·7	2·2	089	26	5·5	4·3	321	27	5·9	4·9	308	20	5·5	4·6	324	21	11·5	10·9	280	17	8·0	7·1	289
4.5 ,,	6	5·0	3·6	107	24	5·3	4·2	306	20	6·2	5·1	293	3	8·3	7·2	312	8	10·7	9·5	274	8	3·0	2·2	307
5.4 ,,	2	5·0	4·7	080	21	5·8	3·9	295	15	7·9	7·3	293					3	11·0	10·5	256	7	5·7	4·5	256
6.0 ,,	1	5·0	5·0	060	19	6·2	4·8	278	14	9·0	8·4	265					2	13·3	13·5	261	4	9·3	9·2	257
7.2 ,,					14	9·4	8·6	250	10	10·4	8·9	252									1	17·0	17·0	220
9.0 ,,					5	13·4	10·4	246	3	17·3	13·8	240												

Station	SRINAGAR								TIRUCHCHIRAPALLI												TRIVANDRUM			
Time in I.S.T.	0530*				1730*				0530				1730				2330				0530*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	27	1·4	0.5	125	23	2.1	0.7	300	31	4.4	3.7	271	31	4.4	2.3	267	31	4.7	2.7	235	31	2.5	2.3	327
0.15 a.g.	27	2·3	1.0	132	23	3.3	0.8	302	31	7.9	6.7	273	31	5.7	2.5	273	31	7.6	4.5	236	31	6.9	6·7	328
0.3 a.m.s.l.									31	8.3	7.4	272	31	5.9	2.8	269	31	8·0	5·0	235	31	7.1	6.8	323
0.6 ,,									31	10.3	9.6	274	31	6·0	2·9	264	31	8.9	5.8	239	31	8.6	7.5	314
0.9 ,,									31	9.2	8.4	276	31	5.9	2.6	265	31	7.6	4.4	245	31	8.7	7.8	309
1.5 ,,									31	5.2	2.8	293	31	4.9	2·4	320	31	4.0	2.2	323	31	7.8	6.4	319
2.1 ,,	27	1.7	1·0	135	23	3.2	0.1	197	30	5.3	3.3	010	29	5.1	3.2	349	28	5.1	4.3	009	30	6.5	4.6	340
3.0 ,,	27	2.9	1.8	124	22	4.4	1.5	165	26	7·2	4.5	042	25	6.9	5.6	027	26	7·2	6.2	040	30	6.2	4.0	030
3.6 ,,	27	3.6	1.4	145	22	5.2	2.4	199	23	8.6	6.5	053	22	8.3	5.5	024	22	8 7	6·7	035	30	6.4	3.1	044
4.5 ,,	27	5.6	3.4	153	22	5.6	3.1	206	18	9.1	5.3	053	18	8.8	4.3	021	9	6·2	3·6	031	30	7.1	1.9	044
5.4 ,,	27	7.7	5.1	169	22	6·8	3·1	199	13	8.6	4.8	070	14	8·5	4·1	006	2	7.0	3·7	236	30	8.0	1.4	038
6.0 ,,	27	7.7	3.8	193	22	8·0	3·1	236	10	8.1	6.1	075	12	8·7	4·7	010					30	7.5	0.9	077
7.2 ,,	26	9.6	3.9	228	22	8.5	4.8	241	9	7.2	4.4	074	7	8·3	4·7	304					30	6.3	0.9	119
9·0 ,,	23	14·7	8.2	241	21	11.9	8.6	250	5	4.8	1.0	015	2	8·5	4.9	243					30	5·8	2·1	068

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

May, 1965 (Vaisakha 11—Jyaistha 10, 1887 Saka)

Station	TRIVANDRUM												UDAIPUR											
Time in I. S. T.	1130				1730*				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	3·2	2·7	308	30	3·8	3·5	309	31	2·1	1·7	325	31	0·1	0·1	225	31	0·6	0·5	248	31	0·7	0·5	252
0·15 a. g.	31	5·7	5·1	305	30	7·5	7·0	304	28	5·3	4·9	316	31	3·7	2·4	299	31	4·5	3·4	275	31	0·5	0.4	274
0·3 a. m. s. l.	31	6·2	5·6	307	30	7·7	7·1	304	28	6·3	5·7	313												
0·6 ,,	31	7·5	6·8	313	30	8·8	8·4	306	28	7·6	7·2	307												
0·9 ,,	26	8·6	7·7	315	30	8·2	7·6	316	26	7.9	7·4	310	31	5·3	3·8	282	31	5·7	4·2	275	31	6·0	4·9	280
1·5 ,,	16	7·7	6·6	313	30	7·7	6·4	323	24	7·0	6·6	318	31	7·0	6·0	277	31	5·8	4·4	275	31	7·5	6·5	280
2·1 ,,	10	7·4	5·4	323	30	6·9	5·1	352	19	6·9	4·7	334	31	6·2	5·1	265	31	5·0	3·7	273	30	5·9	5·1	284
3·0 ,,	8	7·5	2·9	020	30	6·5	4·1	032	14	6·2	4·8	049	30	5·7	3·8	251	30	5·3	4·4	273	30	5·1	3·7	264
3·6 ,,	4	6·3	5·4	058	30	6·4	3·5	025	11	6·7	3·3	045	30	7·0	4·4	251	30	5·6	4·4	267	24	4·8	2·1	279
4·5 ,,	2	7·5	6·7	061	30	6·4	1·9	005	3	7·7	3·7	257	29	7·9	4·3	274	29	6·8	4·6	274	9	5·7	1·9	322
5·4 ,,	2	8·5	7·9	066	30	7·2	0·5	347	2	6·0	1.3	351	28	9·9	6·5	287	24	9·2	6·6	273	2	4·5	4·5	285
6·0 ,,	1	5·0	5·0	130	30	7·7	0·6	292					24	9·7	7·0	293	23	9.4	6·7	273	1	7·0	7·0	290
7·2 ,,	1	2.0	2·0	109	30	6·2	0·7	231					24	12·4	9·8	287	20	12·7	10·3	273				
9·0 ,,					30	5·0	1·9	106					17	16·9	13·3	271	16	17·1	15·2	288				

Station	VENGURLA												VERAVAL											
Time in I. S. T.	0530				1730				2330				0530				1730				30			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	0·5	0·3	349	31	4·1	3·8	277	31	1·0	0.9	313	31	4·4	3·5	275	31	6·7	6·4	265	31	5·4	4·7	288
0·15 a. g.	31	4·0	2·9	326	31	6·4	6·0	282	31	3·8	8·4	310	31	7·0	5·7	289	31	8·7	8.3	267	31	7·8	7·1	284
0·3 a. m. s. l.	31	5·1	4·0	323	31	6·8	6·2	292	31	4·8	4·4	317	31	7·9	6·5	294	30	9.3	8·8	272	31	8·4	7·7	288
0·6 ,,	31	6·0	5·0	317	31	6·3	5·2	304	31	5.6	4·9	321	31	8·4	7·0	292	30	8·2	7·8	275	31	8·4	7·7	286
0·9 ,,	31	6·7	5·6	315	30	5.9	5·0	310	31	5·8	5·0	323	31	7·5	6·3	287	29	7·0	6·3	277	30	7·8	7·1	284
1·5 ,,	28	6·8	5·8	320	30	5·5	4·6	330	31	6·0	5·1	322	30	6·1	3·9	277	31	6·7	5·1	291	29	6·8	5·6	284
2·1 ,,	21	4·5	2·6	345	30	5·2	3·5	345	28	4·6	2·5	346	27	5·6	1·7	274	31	6·2	4·1	289	26	5·8	3·1	279
3·0 ,,	13	4·9	2·6	100	28	4·9	1·1	060	27	5·2	2·7	082	26	6·3	2·8	268	30	6·6	2·7	300	23	6·0	1·7	220
3·6 ,,	1	3·0	3·0	038	28	5·0	1·9	106	9	4·6	2·8	105	8	5·5	3·6	302	29	6·8	3·0	297	12	6·3	1·2	272
4·5 ,,					27	5·9	1·5	110	1	4·0	4·0	056	3	6·0	4·6	349	28	7·8	3·9	299	5	7·2	3·3	206
5·4 ,,					24	4·6	1·0	067					1	5·0	5·0	274	27	8·4	5·2	317	3	11·0	6·7	233
6·0 ,,					24	4·6	0·5	017					1	7·0	7·0	300	26	9·6	6·3	327	1	14·0	14·0	235
7·2 ,,					24	6.0	2.5	299									24	13·0	9·5	295				
9·0 ,,					10	4·9	1.7	303									20	16·1	12·9	289				

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

May, 1965 (Vaisakha 11—Jyaistha 10, 1887 Saka)

Station	VIJAYWADA/GANNAVARAM											
Time in I.S.T.	0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1.8	0.4	093	31	3.4	1.2	159	31	2.8	1.7	155
0.15 a. g. .	29	5.1	2.9	191	31	5.0	2.1	162	31	6.6	4.2	156
0.3 a. m. s. l. .	29	6.2	4.1	204	31	5.0	1.8	168	31	7.3	4.4	157
0.6 ,, .	29	7.7	5.0	208	31	4.1	1.0	191	31	6.7	2.8	146
0.9 ,, .	27	6.8	3.0	222	31	3.6	1.3	291	31	5.1	0.7	085
1.5 ,, .	27	5.9	1.6	313	31	5.9	3.6	329	31	5.2	2.4	356
2.1 ,, .	27	6.7	2.5	004	31	7.1	4.3	358	31	6.0	3.5	359
3.0 ,, .	25	8.2	6.6	026	31	7.5	4.7	017	31	6.8	3.7	007
3.6 ,, .	24	8.3	6.9	030	30	7.4	4.5	029	23	7.2	4.0	022
4.5 ,, .	21	7.4	5.8	031	27	6.6	3.4	019	21	6.3	3.0	009
5.4 ,, .	17	5.1	2.0	033	24	4.9	1.9	315	5	4.0	3.1	315
6.0 ,, .	17	5.8	1.6	291	23	5.7	3.2	299	2	4.5	4.3	314
7.2 ,, .	15	5.7	3.9	238	13	4.3	3.0	300				
9.0 ,, .	9	5.2	4.3	255	7	5.1	1.7	241				

Station	VISHAKHAPATNAM															
Time in I. S. T.	0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	3.3	2·0	301	31	4.1	2.8	186	31	3.2	1.1	290	31	2.4	1.7	245
0.15 a. g. .	31	6.5	4.4	316	31	6.5	4.4	198	30	5.2	2.1	292	31	4.7	2.1	244
0.3 a. m. s. l. .	31	6.8	4.5	288	31	6.1	4.1	209	30	5.3	2.2	261	31	4.7	2.1	238
0.6 ,, .	31	7·6	5.3	248	31	5.9	4.4	255	30	5.6	2.8	250	31	4.8	2.5	238
0.9 ,, .	31	7.0	3.7	247	31	6.0	4.7	265	30	5.3	2.5	270	30	4.3	2.1	257
1.5 ,, .	31	5·2	1.7	298	30	5.9	3.1	315	30	4.8	3.2	353	26	4.2	1.8	346
2.1 ,, .	31	5.9	3.8	360	30	6.2	4.1	004	30	6.4	4.5	010	20	6.1	4.1	018
3.0 ,, .	31	7.8	6·2	014	30	6.6	5.7	024	30	8.1	6.3	019	16	5.9	3.8	035
3.6 ,, .	31	8.8	7.3	016	26	7.3	6.4	035	30	9.1	6.8	030	8	6.9	4.4	038
4.5 ,, .	31	9.5	8.0	008	19	8.1	6.3	039	30	8.6	5.9	020	2	5.5	0.2	040
5.4 ,, .	31	6.7	4.4	002	17	5.5	1.8	046	30	7.1	4.2	347				
6.0 ,, .	31	5.4	1.7	344	16	6.4	1.2	076	30	6.5	2.6	311				
7.2 ,, .	31	7·3	1·0	212	11	7.9	4.6	234	29	8·1	3.3	284				
9.0 ,, .	31	9·2	1·3	215	2	8.5	5.1	281	28	8.8	1.0	228				

TABLE V—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds above 9.0 Km. above mean sea level

May, 1965 (Vaisakha 11 — Jyaistha 10, 1887 Saka)

Ht. in Km.	n	V	v	D
AGARTALA				
0530 hr.				
10.5	1	1.0	1.0	310
12.0	1	2.0	2.0	300
14.1	1	3.0	3.0	276
1730 hr.				
10.5	6	10.7	10.5	261
12.0	5	10·5	10.4	264
14.1	2	5.5	5.0	244
16.2	1	8.0	8.0	175
AHMADABAD				
0530 hr.*				
10.5	29	21.3	18.8	275
12.0	29	22.9	20.0	272
14.1	18	20·4	14.4	280
16.2	7	9.3	3.4	237
18.0	3	10.7	5.9	158
21.0	2	14.5	14.2	089
24.0	1	8.0	8.0	115
27.0	1	9.0	9.0	123
1130 hr.				
10.5	9	15.1	12.3	280
12.0	3	13.3	9.0	290
14.1	2	12.5	11.3	196
16.2	1	12.0	12.0	091
18.0	1	11.0	11.0	119
1730 hr.*				
10.5	30	20.9	17.9	278
12.0	27	21.0	17.8	270
14.1	19	18.5	15.1	256
16.2	8	15.6	7.5	267
18.0	3	17·3	2·7	234
21.0	1	12.0	12.0	080
ALLAHABAD/BAMHRAULI				
0530 hr.*				
10.5	31	25.2	23.5	245
12·0	31	23.5	21.6	240
14·1	20	21.7	20.7	234
16·2	10	13·9	10·9	220
18·0	4	14.3	11·5	292
1130 hr.				
10·5	6	28·0	27·1	232
12.0	4	34.3	33.6	230
14.1	1	80.0	80.0	233
1730 hr.*				
10.5	30	24.9	23.5	246
12.0	30	23.4	20.7	242
14.1	22	16.7	13.1	234
16.2	9	11.4	9.4	246
18.0	5	7.6	2.5	123
21.0	1	5.0	5.0	257
ANANTAPUR				
0530 hr.				
10.5	5	7.2	4.7	210
12.0	3	6·9	3.9	165
14.1	3	10.0	6.7	115
ASANSOL				
1730 hr.				
10·5	4	6.7	4.8	230
12.0	4	10.7	8.5	235
14·1	1	4.0	4.0	140
BAHRAICH				
1130 hr.				
10·5	1	14.0	14.0	249
12.0	1	9.0	9.0	251
1730 hr.				
10.5	1	13.0	13.0	255
BANGALORE				
0530 hr.@				
10.5	13	5.8	3.0	101
12.0	10	7.8	5.1	092
14.1	8	11.3	10.1	101
16.2	5	14.2	13.2	103
18.0	4	12.3	12.0	095
21.0	2	11.0	10.9	107
1130 hr.				
10.5	9	4.1	1.0	146
12.0	7	6.9	5.1	102
14.1	4	15.7	15.5	093
16.2	4	25.0	24.9	102
18.0	2	22.5	22.4	114
21.0	2	9.5	9.1	094
24.0	2	8·0	8·0	085
1730 hr.@				
10.5	13	5.5	2.2	163
12.0	11	9.3	6.1	226
14.1	5	19.4	17.8	107
16.2	4	22·2	21·7	095
BEGAMPET				
0530 hr.				
10.5	9	8.2	5.7	259
12.0	4	7·3	4.0	209
14.1	3	7.7	7.4	190
16.2	3	11.0	8.5	201
18.0	2	11.0	10.7	200
21.0	2	15·0	14.5	203
24.0	2	12·5	12·3	180
1730 hr.				
10.5	6	11.8	11.0	236
12.0	2	6·5	6·5	210
14.1	1	11·0	11·0	155
BHOPAL/BAIRAGARH				
0530 hr.				
10.5	1	21.0	21.0	235
12.0	1	23.0	23.0	225
14.1	1	19.0	19.0	220
1730 hr.				
10.5	2	24.5	24.5	267
12.0	1	31.0	31.0	255
BHUBANESHWAR				
0530 hr.				
10·5	4	9.5	5.6	153
12.0	3	10.0	6.9	161
14.1	2	11.0	9.8	127
16.2	2	11.0	10.7	110
18.0	1	22.0	22.0	110
BOMBAY/SANTA CRUZ				
0530 hr.*				
10.5	29	13.8	10.4	237
12.0	29	14.4	10.8	227
14·1	23	11.4	5.5	203
16.2	14	9·6	6·0	083
18·0	5	12.2	11.0	092
21.0	2	17.0	17·0	051
24.0	1	20·0	20·0	095
1130 hr.				
10.5	14	16·8	14.5	256
12·0	11	15·4	13·2	241
14·1	7	10.1	5.3	232
16·2	3	7.3	5.9	071
18.0	3	9.7	6.6	264
1730 hr.*				
10.5	30	12·9	9·1	242
12.0	29	13·8	10·1	226
14·1	24	13·6	8·1	205
16.2	11	11·5	6·0	148
18.0	2	12.0	2·1	360
CALCUTTA/DUM DUM				
0530 hr.*				
10·5	28	11·4	9.4	253
12·0	28	12·4	9·7	245
14·1	28	12.4	9.3	238
16·2	26	8.2	3·0	227
18·0	21	8·7	4·0	110
21·0	1	14·0	14·0	027
1130 hr.				
10·5	2	20·5	13·9	242
12.0	1	20·0	20·0	160
14·1	1	12·0	12·0	175
16·2	1	11·0	11·0	200
1730 hr.*				
10.5	29	12·4	9.8	250
12·0	29	11·9	9·5	241
14·1	29	11·4	7·6	239
16·2	29	8·4	2·6	214
18·0	22	8·5	6·3	098
21·0	3	6·0	3·8	098
2330 hr.				
10·5	3	13·0	4·2	196
12·0	3	11·0	7·2	183
GADAG				
0530 hr.				
10·5	25	6·4	2·2	222
12·0	24	7·0	3·2	153
14·1	20	11·1	8·4	125
16·2	16	12·8	11·0	108
18·0	16	10·0	9·7	082
21·0	15	12·8	10·6	071
24·0	2	19·5	17·5	079
1730 hr.				
10·5	5	6·0	0·5	104
12·0	6	8.0	4.1	111
14·1	5	12.6	11.3	127
16·2	4	15.0	13.5	087
18.0	3	6.3	4.5	075
21.0	3	5.3	4.4	130
GANGTOK				
0830 hr.				
10·5	2	23·5	23·5	228
12.0	1	12.0	12.0	220
GAUHATI				
0530 hr.*				
10.5	26	17.1	16.3	268
12.0	25	18.9	18.0	265
14.1	19	15.6	13.5	260
16.2	13	11.6	8.8	267
18.0	8	11.2	5.0	270
21.0	1	9·0	9.0	255
1130 hr.				
10·5	3	13·0	12·7	267
12·0	3	10·3	10·0	267
14·1	3	13·0	12·7	264
16·2	3	9·3	8·6	249
18·0	3	6·7	2·2	014
21·0	1	11·0	11·0	045
1730 hr.*				
10·5	31	18·3	16.8	260
12·0	30	20·1	18·5	260
14·1	27	17·2	15·6	257
16·2	20	13.5	10.0	248
18·0	14	13.1	8.4	080
21.0	1	22·0	22·0	095
GWALIOR				
0530 hr.				
10.5	2	20.5	18.6	255
12.0	1	20.0	20.0	240
1130 hr.				
10.5	3	17.7	16·3	256
12.0	2	21.5	21.5	235
IMPHAL/TULIHAL				
1730 hr.				
10.5	1	15.0	15.0	255
JABALPUR				
1750 hr.				
10.5	1	20.0	20.0	235
12.0	1	25.0	25.0	230
JAGDALPUR				
0530 hr.				
10.5	3	7.0	3.2	137
12.0	2	6.5	3.5	128
14.1	1	7.0	7.0	195
16.2	1	10.0	10.0	150

TABLE V—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds above 9·0 Km. above mean sea level

May, 1965 (Vaisakha 11—Jyaistha 10, 1887 Saka)

Ht. in Km.	n	V	v	D
		1730 hr.		
10·5	1	15·0	15·0	295
		JHARSUGUDA		
		0530 hr.		
10·5	2	8·5	4·9	222
12·0	1	12·0	12·0	235
		1730 hr.		
10.5	1	13·0	13·0	230
12.0	1	19·0	19·0	230
14·1	1	17·0	17·0	210
		JODHPUR		
		0530 hr.		
10·5	29	22.6	21.0	268
12·0	28	22·1	19·5	263
14·1	23	22·3	18·3	260
16.2	13	11.6	9·7	262
18.0	11	5.9	3.1	090
21·0	7	10·1	7.4	123
24 0	4	6·3	5·9	080
27·0	1	7.0	7.0	090
		1130 hr.		
10·5	10	21.3	16.9	273
12·0	3	21.7	21.6	267
		1730 hr.*		
10·5	28	22·7	20·5	265
12·0	27	19 7	18·7	258
14·1	25	19·8	18·0	260
16·2	19	10·9	9 2	240
18 0	13	10 6	1·8	063
21·0	5	16 0	12·4	120
24.0	1	18·0	18·0	090
		LUCKNOW/ AMAUSI		
		0530 hr.		
10·5	3	15.0	13.5	265
12·0	2	14·0	13 5	248
14·1	2	15·5	18·3	258
		1730 hr.		
10.5	3	25.4	25.4	246
12·0	2	27.5	27.5	256
		MADRAS/ MINAMBAKKAM		
		0530hr.*		
10·5	29	5·7	2·3	157
12·0	29	7·1	4·9	125
14.1	28	12·3	11.4	110

Ht. in Km.	n	V	v	D
16·2	15	15·1	14·5	108
18·0	6	13·0	10·1	102
21·0	4	10·0	8·8	103
24·0	1	9·0	9.0	360
		1130 hr.		
10·5	1	6·0	6·0	300
12.0	1	7.0	7.0	015
14·1	1	9·0	9·0	150
16.2	1	20 0	20·0	120
18·0	1	7·0	7.0	130
		1730 hr.*		
10.5	27	5·0	2·4	160
12·0	27	7·7	6·5	138
14·1	25	14·0	12·7	120
.6·2	21	16·4	15·6	100
18·0	11	13·1	12·1	102
21·0	2	8·0	7·7	095
24.0	1	13·0	13·0	090
		MANGALORE/ BAJPE		
		0530 hr.		
10·5	2	6·5	2·9	285
12·0	2	9·5	2·1	295
		1730 hr.		
11.5	1	6·0	6·0	065
12·0	1	5·0	5·0	135
14·1	1	9·0	9·0	105
16.2	1	19·0	19·0	110
18·0	1	10·0	10·0	115
21·0	1	11·0	11·0	155
		MINICOY		
		0530 hr.		
10·5	7	6·9	0·4	035
12·0	6	7·5	6·9	104
14·1	2	12·0	11.7	096
		1130 hr.		
10·5	4	5·3	2·3	109
12.0	1	5.0	5.0	355
14.1	1	7.0	7.0	105
		1730 hr.*		
10.5	30	6·4	3·8	096
12.0	30	9·2	7·7	104
14.1	28	14·4	13·5	093
16.2	20	10·4	9·0	091
18.0	11	9·5	6·2	089

Ht. in Km.	n	V	v	D
21·0	4	5 3	3 3	057
24·0	1	5·0	5·0	165
		NAGPUR/ SONEGAON		
		0530 hr.*		
10·5	31	12 3	10·1	235
12·0	31	12·7	9·7	231
14·1	24	12·6	10·1	225
16·2	10	11·3	5·7	197
18·0	1	5·0	5·0	232
		1130 hr.		
10·5	7	18 1	17·1	241
12.0	4	19 0	19·0	245
		1730 hr.*		
10·5	31	13 2	10 3	248
12 0	31	13 6	10·1	237
14·1	21	12 9	8 9	223
16·2	10	13 5	5 9	151
18 0	1	9 0	9 0	095
		NEW DELHI/ SAFDARJUNG		
		0530 hr.*		
10·5	31	26 8	26 0	256
12·0	31	28·5	27·5	255
14·1	31	24·4	23·5	250
16·2	30	10·5	9·3	241
18·0	28	6·7	2·0	091
21·0	21	7·3	7·0	088
24·0	9	10·6	9·8	094
27 0	1	3·0	3·0	355
		1130 hr.		
10·5	1	27·0	27·0	265
12·0	1	20·0	20·0	245
		1730 hr.*		
10·5	31	27·3	25·2	259
12·0	31	27·9	26·6	258
14·1	30	23·1	22·3	255
16·2	27	11·1	8·6	256
18 0	25	7·6	2·9	154
21·0	15	10·1	8·9	096
24·0	5	8·2	7·3	073
27·0	1	5·0	5·0	050
		POONA		
		1730 hr.		
10·5	12	9·4	5·1	245
12·0	11	10·7	4·7	163

Ht. in Km.	n	V	v	D
14·1	6	9 5	5 8	112
16 2	2	7 0	6·9	081
18·0	2	10·0	6·1	093
21·0	1	42·0	41 8	2·5
		PORT BLAIR		
		0530 hr.*		
10·5	29	7·6	5·4	093
12 0	29	11 3	8·1	088
14·1	22	16·3	14·6	264
16·2	9	18·2	17 3	089
18·0	4	13 3	12·3	078
21·0	1	22·0	22·0	060
		1730 hr.*		
10·5	27	8 8	6·4	093
12·0	27	10·1	8·3	096
14·1	22	17 2	15·3	093
16·2	15	23 7	22 7	057
18 0	4	12 8	10 7	066
		RAIPUR		
		0530 hr.		
10 5	1	13 0	13 0	235
		SRINAGAR		
		0530* hr.		
10 5	22	18·0	13·4	256
12 0	19	21·5	19·7	263
14·1	12	21·7	19·6	262
16·2	7	18·7	17·1	262
18 0	1	5 0	5 0	275
		1730 hr.*		
10 5	20	16 3	13 9	256
12·0	18	21 7	20 0	260
14·2	11	21·0	18 6	259
16·2	5	19 0	18 2	253
		TRIVANDRUM		
		0530 hr.*		
10·5	30	7 3	4·1	104
12 0	30	11 0	9 3	098
14·1	28	18·3	16·8	095
16 2	17	14·1	12 4	103
18 0	11	9·1	3·4	080
21·0	3	5 0	1 0	035
		1730 hr.*		
10 5	30	7·5	5·1	112
12·0	29	10·5	9·0	096
14·1	25	19 6	18·5	095

Ht. in Km.	n	V	v	D
16·2	18	13·2	11·8	101
18·0	12	6 9	3·1	114
21·0	3	10·3	10·3	085
24·0	1	22 0	22·0	090
		UDAIPUR		
		0530 hr.		
10·5	11	15·3	14·4	277
12·0	3	13·6	13 3	257
14·1	1	8·0	8·0	290
		1730 hr.		
10·5	7	13·4	11·4	273
12·0	4	9 5	8 6	290
14·1	2	12 0	11·2	230
16·2	1	8·0	8·0	150
18 0	1	5·0	5 0	065
		VENGURLA		
		1730 hr.		
10 5	2	7 5	7 5	073
		VERAVAL		
		1730 hr.		
10·5	18	18 2	13 6	271
12 0	11	26 5	13 5	257
14·1	7	8·3	7 7	254
16 2	4	7 3	3 9	279
18 0	4	12·7	8 2	114
21·0	1	5·0	5 0	069
		VIJAYWADA/ GANNAVARAM		
		0530 hr.		
10 5	6	7·0	2 9	243
12·0	4	6·0	2 9	107
14·1	2	9 0	6 7	101
		VISHAKHAPATNAM		
		0530 hr.*		
10·5	30	11·1	3·2	230
12·7	29	14 4	5·4	209
14·1	15	15·5	6·2	151
16 2	3	22 3	20·5	123
		1730 hr.*		
10·5	28	10 7	1 7	196
12 0	25	11·8	4 9	178
14 1	12	15·0	11·2	118
16 2	3	23 3	19·1	113
18 0	1	15·0	15·0	010

RADIOSONDE DATA

Ma , 1965 (Vaisakha 11—Jaistha 10, 1887 Saka)

During the month, observations of upper air temperature, pressure and humidity were made at 15 stations in India as given in the list below. For a detailed description of the instruments used, a reference may be made to the I. M. D. Scientific Notes Nos. 112 and 113 (Volume IX).

LIST OF RADIOSONDE STATIONS IN INDIA

Serial No.	Name of station	Type of instrument used	Date of starting	Hours of routine observations in G.M.T. during the month	Remarks
1	Ahmadabad	Fan type	20th July, 1961	00 and 12	Fan type used upto 24-2-63
2	Allahabad/Bamhrauli	Clock type	1st October, 1944	00 and 12	
3	Bangalore	Clock type	10th March, 1961	00 and 12	
4	Bombay/Santa Cruz	Fan type	7th September, 1954	00 and 12	Clock type used upto 22-2-63
5	Calcutta/Dum Dum	Clock type	13th December, 1946	00 and 12	Fan type used from 13-12-46 to 30-11-47.
6	Gauhati	Clock type	22nd July, 1955	00 and 12	
7	Jodhpur	Clock type	17th April, 1946	00 and 12	
8	Madras/Minambakkam	Fan type	29th June, 1946	00 and 12	
9	Minicoy	Fan type	12th May, 1963	12	
10	Nagpur/Sonegaon	Fan type	1st October, 1946	00 and 12	
11	New Delhi/Safdarjung	Clock type	3rd December, 1943	00 and 12	
12	Port Blair	Fan type	4th December, 1949	00 and 12	
13	Srinagar	Clock type	1st August, 1962	00 and 12	
14	Trivandrum	Fan type	1st July, 1947	00 and 12	
15	Vishakhapatnam	Fan type	8th December, 1946	00 and 12	

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(A) From Ascents at 00 Hours G. M. T.

May, 1965 (Vaisakha 11—Jyaistha 10, 1887 Saka)

Standard Pressure Surface mb	AHMADABAD Surf. Pr. (998 mb.)						ALLAHABAD/BAMHRAULI (991 mb.)						BANGALORE (907 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	31	055	300.2	303	297	290.3	31	098	300.4	305	297	286·4	31	921	294·6	296	293	293.1
1000	31	042	299·4	302	297	288·0	31	013	..	..	..	..	31	073	..	..	..	..
900	31	975	299.6	303	294	280.9	31	951	302.2	308	297	280.5	31	992	294·3	297	292	291.9
850	31	1476	297.0	301	293	276.3	31	1455	298.4	305	294	277.6	31	1486	293.6	297	290	287.5
800	31	2002	293.5	297	287	275.1	31	1983	293.9	300	289	276.2	31	2009	291.7	295	288	283.2
700	31	3135	284.2	289	280	269.3	31	3115	284.2	291	280	271.5	31	3139	284.2	287	281	275.8
600	31	4403	275.3	279	272	257.6	31	4375	273.4	280	267	264.2	31	4407	275.9	281	273	269.1
500	31	5847	265.8	272	262	..	31	5813	264.5	274	257	..	31	5863	268.6	271	265	..
400	31	7556	256.1	264	249	..	31	7515	255.7	266	250	..	31	7588	258.5	263	256	..
300	31	9665	243.3	250	238	..	31	9622	243.6	253	236	..	31	9711	244.3	248	241	..
250	31	10954	235.3	243	226	..	31	10905	235.2	241	227	..	31	11001	235.5	240	231	..
200	31	12462	225.2	231	218	..	31	12410	225.5	232	218	..	31	12501	224.5	230	219	..
175	31	13354	218.7	224	210	..	29	13283	219.7	227	214	..	31	13382	218.3	222	210	..
150	30	14312	212.3	220	204	..	28	14254	212.5	221	201	..	31	14348	212.2	220	207	..
125	28	15419	205.4	213	195	..	22	15373	205.4	215	199	..	26	15459	206.4	216	201	..
100	27	16725	199.4	208	191	..	17	16695	200.3	206	194	..	23	16785	200.8	205	195	.
80	23	18019	198.5	205	189	..	12	17960	200.8	206	197	..	19	18132	202.9	211	198	..
70	19	18821	201.8	210	188	..	8	18775	202.7	206	199	..	18	18923	204.8	212	197	..
60	18	19759	208·8	216	198	..	5	19698	206.0	209	204	..	15	19802	207.6	217	202	..
50	15	20888	215·5	222	209	..	..	..	..	..	..	..	13	20931	210.4	216	205	..
40	12	22313	221·8	228	213	..	..	..	..	..	..	..	7	22302	214·6	221	209	..
30	7	24200	226·3	230	222	..												

Standard Pressure Surface mb	BOMBAY/SANTA CRUZ (1005 mb.)						CALCUTTA/DUM DUM (1006 mb.)						GAUHATI (999 mb.)					
Surface	31	013	299.1	301	297	295.8	31	006	300.5	303	295	298·3	31	049	297.8	302	295	295.3
1000	31	058	299·2	301	297	295·4	31	027	299.4	301	295	297·9	31	043	296.7	300	295	294.5
900	31	987	296.6	300	293	286.2	31	956	297.4	303	292	287·8	30	964	294.5	300	290	289.8
850	31	1485	295.0	299	291	280.2	31	1457	295.6	300	290	283.5	30	1458	292.0	296	287	286.8
800	31	2009	292.4	296	287	277.1	31	1982	292.3	297	287	279.5	31	1975	289.3	293	284	281.4
700	31	3142	284.3	289	280	273.2	31	3116	283.8	287	279	274.0	31	3099	282.6	287	279	277.1
600	31	4411	275.8	280	272	266.9	31	4383	274·7	279	269	267.0	31	4362	275.6	281	270	267·3
500	31	5864	267.4	272	262	..	31	5831	267.2	271	261	..	28	5821	269.1	274	264	..
400	31	7582	257.7	267	253	..	29	7549	258.2	262	253	..	28	7550	259.5	268	252	.
300	30	9698	243.9	251	241	..	28	9677	244.4	249	236	..	28	9679	246.4	254	241	.
250	30	10977	235.7	247	230	..	28	10962	235.7	239	231	..	28	11029	237.7	245	233	..
200	29	12472	223.5	231	217	.	28	12471	225.1	229	219	..	27	12504	227.5	236	221	.
175	25	13362	217.1	223	213	..	28	13344	219.2	225	215	..	25	13374	221.4	232	213	..
150	24	14308	211.0	218	203	..	28	14316	212.2	220	206	..	25	14363	214.6	227	207	..
125	18	15432	205.2	211	194	..	27	15433	205.2	213	201	..	23	15483	208.3	220	201	..
100	16	16762	200.1	213	194	..	26	16757	198.9	206	191	..	17	16816	203.0	212	197	..
80	12	18044	200.0	216	195	..	22	18066	198.0	207	191	..	11	18129	201.5	208	196	..
70	10	18802	201.4	209	190	..	22	18856	200.4	207	194	..	10	18899	203.3	215	195	..
60	6	19681	204.0	211	196	..	19	19752	205.4	215	198	..	7	19798	208.7	223	199	..
50	..	..	..	..	..	..	19	20864	211.3	222	203	..	6	20896	211·7	225	198	..
40	..	..	..	..	..	..	14	22244	216.4	227	210	..	..	..	..	..	..	..
30							8	24050	220·0	227	213	..						

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(A) From Ascents at 00 Hours G. M. T.

May, 1965 (Vaisakha 11—Jyaistha 10, 1887 Saka)

Standard Pressure Surface mb.	JODHPUR. Surf. Pr. (979 mb.)						MADRAS/MINAMBAKKAM (1003 mb.)						NAGPUR/SONEGAON (969 mb.)					
	No. of Obs.	Ht. gpm	Temperature °A			Dew point	No. of Obs.	Ht. gpm.	Temperature °A			Dew point	No. of Obs.	Ht. gpm.	Temperature °A			Dew point
			Mean	Max.	Min.				Mean	Max.	Min.				Mean	Max.	Min	
Surface	31	218	300·3	305	297	288.2	31	015	301.5	305	300	296.6	31	311	301.6	306	298	283·0
1000	31	031	..	..	..	..	31	042	300.7	304	299	296.9	31	270	..	..	..	..
900	31	960	300.6	305	293	281.9	31	974	298.6	302	295	288.2	31	966	302.3	306	297	285·1
850	31	1466	297.9	302	291	277.6	31	1475	295.8	300	291	284.4	31	1473	298.8	303	295	283·8
800	31	1992	294.1	298	288	276.1	31	2001	292.5	296	290	281.5	31	2001	294.1	299	290	282·1
700	31	3129	284.2	290	279	271.4	31	3133	284.0	288	280	275.4	31	3138	284.5	289	281	277·9
600	31	4388	273.8	281	269	264.8	31	4402	275.8	282	270	269.7	31	4405	274.6	279	270	272·0
500	31	5831	264.7	269	259	..	31	5860	268.7	273	264	..	31	5852	266.1	270	260	..
400	31	7531	255.5	266	249	..	31	7588	259.1	269	253	..	31	7568	258.0	263	253	..
300	31	9634	243.3	251	235	..	31	9711	244.3	250	238	..	31	9685	244.5	249	241	..
250	31	10916	236.5	245	229	..	30	10960	234.2	239	227	..	31	10966	235.1	240	227	..
200	31	12436	227·7	235	220	..	30	12490	222.5	228	213	..	31	12467	223.9	228	217	..
175	29	13304	223.0	229	216	..	29	13346	216.2	221	206	..	30	13320	217.8	221	212	..
150	29	14297	217.0	224	211	..	27	14306	209.3	215	195	..	30	14295	211.1	219	205	..
125	29	15431	210.2	218	201	..	19	15388	203.2	210	194	..	25	15397	204.9	211	198	..
100	28	16793	201.9	212	197	..	15	16719	199.1	208	193	..	25	16737	199.8	205	193	..
80	26	18129	205.0	213	201	..	9	18040	201.4	208	193	..	18	18076	203·7	218	194	..
70	22	18947	207.5	217	202	..	9	18829	206.1	212	197	..	13	18895	205·1	211	194	..
60	19	19912	211.8	218	206	..	8	19803	212.4	220	205	..	11	19841	209·5	217	200	..
50	17	21048	218.4	224	215	..	6	20940	215.8	226	208	..	8	20934	215·9	224	205	..
40	14	22491	223.7	230	217								6	22355	220.7	226	211	..
30	10	24403	232.6	243	227													
20	5	27128	235.4	238	233													

	NEW DELHI/SAFDARJUNG (978 mb.)						PORT BLAIR (997 mb.)						SRINAGAR (840 mb.)					
Surface	31	209	298.0	304	294	285.5	31	079	298.6	301	292	297.2	27	1588	283·9	290	281	281.9
1000	31	016	..	..	..	..	31	055	297.0	300	292	295.0	27	108	..	..	..	..
900	31	948	300.6	304	295	278.3	31	979	295.6	301	292	291.1	27	1008	..	..	..	..
850	31	1450	297.1	301	293	275.2	31	1476	292.2	295	290	288.6	27	1487	..	..	..	..
800	31	1976	292.9	297	288	274.5	31	1997	289.7	294	286	285.5	27	1993	283 3	288	277	278.5
700	31	3105	283.2	286	278	267.5	31	3124	283.6	289	281	278.1	27	3094	277.9	285	271	273.0
600	31	4362	272.6	279	268	259.9	31	4395	277.4	283	274	273.4	27	4335	270.1	276	267	..
500	31	5794	262.7	269	259	..	30	5860	270.0	276	267	..	27	5752	260.7	268	255	..
400	31	7478	252.3	258	247	..	30	7591	259.2	264	257	..	26	7419	248 7	257	243	..
300	31	9562	241.4	251	236	..	29	9715	245.1	250	240	..	23	9465	236.7	248	230	..
250	31	10834	234.6	243	228	..	29	11091	236.4	242	230	..	23	10712	229.9	243	220	..
200	30	12338	226.1	234	222	..	29	12505	224.2	230	219	..	23	12199	225.0	235	220	..
175	30	13214	220.8	228	215	..	24	13363	217.3	227	210	..	23	13075	223.0	230	214	..
150	29	14198	214.8	223	209	..	17	14339	210.4	213	200	..	18	14098	219.8	224	211	..
125	28	15333	208.8	217	201	..	12	15452	205.0	212	201	..	14	15228	215.8	218	212	..
100	28	16683	204.5	212	199	..	10	16770	200.0	208	195	..	12	16623	210.8	217	206	..
80	28	18013	203·6	208	197	..	6	18070	202.8	209	197	..	11	18002	208.4	215	204	..
70	27	18824	205.6	217	199	..	5	18844	204.4	217	198	..	11	18818	208.7	214	203	..
60	26	19713	209.8	221	201	..							5	19775	208.0	212	205	..
50	20	20901	215.2	225	204	..							5	20899	213.0	216	209	..
40	16	22348	221.9	232	215	..												
30	9	24279	229.0	235	225	..												

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(A) From Ascents at 00 Hours G. M. T.

May, 1965 (Vaisakha 11— Jyaistha 10, 1887 Saka)

Standard Pressure Surface mb.	TRIVANDRUM Surf. Pr. (1000 mb.)						VISHAKHAPATNAM (999 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean.	Max.	Min.	Dew point
Surface	31	064	298.5	300	296	296.7	31	041	301.2	303	299	297.7
1000	31	064	298·6	300	297	296.8	31	032	300.9	303	299	297.5
900	31	988	294.0	297	291	291.0	31	963	298·4	302	295	288.8
850	31	1482	291.6	295	289	287.2	31	1465	296.7	299	295	285.3
800	31	2001	289.3	295	287	284.5	31	1992	294.0	297	292	281.8
700	31	3127	283.3	286	280	275.2	31	3130	285.3	289	282	276.4
600	31	4393	275.5	278	273	270.2	31	4403	275.6	281	271	271.4
500	31	5847	268.0	272	265	..	31	5859	268.0	273	265	..
400	31	7570	258.7	266	254	..	31	7584	259.0	263	255	..
300	30	9685	242.2	246	237	..	31	9717	245.3	252	240	.
250	30	10954	232.1	242	222	..	30	11006	236.8	243	229	..
200	30	12433	220.1	226	215	..	30	12519	225.4	231	219	..
175	29	13275	213.5	221	207	..	28	13391	219.8	225	216	..
150	27	14234	207.2	217	202	..	28	14377	213.5	220	209	..
125	19	15315	201.5	211	194	..	26	15472	206.2	213	201	..
100	19	16620	200.2	209	195	..	23	16825	201.2	208	195	..
80	13	17951	204.9	213	198	..	18	18162	201.7	209	197	..
70	12	18757	206.8	221	199	..	18	18954	203.7	213	197	..
60	10	19672	208.7	216	203	..	14	19901	207.6	221	200	..
50	8	20814	213.6	222	209	..	13	20972	210.9	217	203	..
40							7	22289	214.1	217	207	..
30												
20												
10												

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 Hours G. M. T.

May, 1965 (Vaisakha 11—Jyaistha 10, 1887 Saka)

Standard Pressure Surface mb.	AHMADABAD Surf. Pr. (996 mb.)						ALLAHABAD/BAMHRAULI (989 mb.)						BANGALORE (905 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	31	055	313.2	316	309	285.4	31	098	313.5	317	304	285.8	31	921	304.8	307	301	291.5
1000	31	23	..	..	..	..	31	—008	..	..	..	..	31	023	..	..	..	..
900	31	977	304.3	307	301	295.6	31	952	306.6	310	302	280.2	31	0971	303.7	306	293	289.6
850	31	1483	299.3	303	295	276.7	31	1464	302.0	306	298	277.4	31	1478	299.2	303	295	286.4
800	31	2012	294.2	297	290	274.7	31	1998	297.3	301	293	275.7	31	2007	294.2	297	291	284.6
700	31	3147	284.8	292	279	268.8	31	3143	286.8	292	282	271.5	31	3142	284.3	287	281	279.0
600	31	4416	275.9	282	271	258.8	31	4416	276.1	284	271	264.4	31	4408	275.8	281	271	270.8
500	31	5865	266.8	272	261	..	31	5867	267.0	277	262	..	31	5865	268 6	271	263	..
400	31	7577	256.9	267	244	..	30	7587	258.5	269	251	..	31	7592	259.0	264	256	..
300	31	9691	243.7	251	237	..	30	9716	246.4	253	240	..	31	9721	245.1	250	237	..
250	31	10971	235.1	241	230	..	30	11015	238.4	244	231	..	31	11002	235.8	242	228	..
200	31	12479	225.8	232	220	..	29	12532	227.5	236	220	..	31	12511	224.4	229	217	..
175	30	13349	220.1	227	213	..	27	13410	221.9	231	212	..	29	13377	218.3	223	211	..
150	29	14327	213.2	221	204	..	26	14394	216.1	221	211	..	29	14347	211.7	217	204	..
125	23	15423	205.8	210	199	..	26	15533	209.6	216	203	..	23	15445	205.9	212	199	..
100	21	16768	199.3	209	193	..	23	16874	204.6	212	195	..	19	16793	200.8	208	195	..
80	15	18021	198.3	211	190	..	18	18208	203.0	211	197	..	12	18175	203.2	209	199	..
70	14	18777	200.5	210	187	..	15	18995	204.9	215	197	..	10	18946	204.6	213	199	..
60	13	19713	206.4	217	191	..	12	19989	209.4	218	199	..	7	19834	205.3	209	201	..
50	13	20831	212.9	228	200	..	6	20959	213.3	227	205		7	20898	208.7	213	213	
40	9	22249	219.6	228	215	..												
30	5	24178	222.0	223	221													

	BOMBAY/SANTA CRUZ (1004 mb.)						CALCUTTA/DUM DUM (1000 mb.)						GAUHATI (997 mb.)					
Surface	31	013	304.0	305	302	296.3	31	06	305.9	313	296	297.7	31	049	302.1	307	297	296.7
1000	31	046	303·4	305	301	295·9	31	006	305·8	313	301	297·4	31	017	..	..	..	..
900	31	978	298.7	303	294	283.3	31	949	300.6	307	294	291.4	31	945	296.7	301	293	290.7
850	31	1481	296.7	302	293	279.8	31	1454	298.0	303	292	286.9	31	1442	293.7	298	290	288.4
800	31	2008	293.4	296	290	277.5	31	1984	294.7	299	289	283.1	31	1962	290.8	301	281	285.8
700	31	3144	285.0	288	279	272.7	31	3127	286.4	291	284	275.8	31	3088	283.4	287	273	275.5
600	31	4416	276.6	280	273	266.2	31	4406	277.7	281	274	268.0	31	4356	277.0	282	272	266.9
500	31	5875	268.2	273	265	..	30	5874	270.0	273	266	..	31	5817	269.7	273	264	..
400	31	7601	258.9	265	255	..	30	7612	260 9	266	256	..	31	7548	259.7	264	254	..
300	30	9729	244.7	251	240	..	29	9756	247.0	253	241	..	31	9687	246.4	250	241	..
250	30	11012	235.2	241	227	..	29	11054	238.2	246	231	..	31	10979	237.3	242	231	..
200	29	12510	223.8	230	213	..	29	12578	227.3	236	220	..	31	12496	226.8	231	222	..
175	26	13374	217.2	221	206	..	29	13460	221.3	230	213	..	31	13364	220.7	228	215	..
150	22	14350	211.1	223	199	..	29	14447	215.0	224	206	..	30	14353	214.3	221	209	..
125	19	15460	204.2	212	192	..	28	15569	206.7	215	196	..	22	15457	207.9	215	196	..
100	15	16799	200.1	207	194	..	28	16905	200.1	209	191	..	20	16836	201.7	211	193	..
80	9	18159	203.3	207	199	..	20	18199	198.0	205	191	..	16	18127	198·6	209	188	..
70	8	18994	207.5	213	203	..	16	19000	200.6	205	191	..	13	18946	200.7	210	191	..
60	5	19863	210.6	215	208	..	16	19910	206.4	213	201	..	9	19857	203·7	208	196	..
50							14	21011	213.7	223	209	..	5	20920	210·0	217	205	..
40							8	22478	220.1	229	213	..	5	23080	215·8	219	212	..
30							5	24412	226·2	235	220	..	5	24145	220·2	223	218	..

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 Hours G. M. T.

May, 1965 (Vaisakha 11 —Jyaistha 10, 1887 Saka)

Standard Pressure Surface mb.	JODHPUR Surf. Pr. (977 mb.)						MADRAS/MINAMBAKKAM (1001 mb.)						MINICOY (1007 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	31	218	311.9	316	307	286.7	31	015	305.9	311	303	297.2	31	002	302.2	304	299	296 8
1000	31	005	..	..	..	..	31	022	300.5	311	303	297.7	31	067	301.4	303	297	296.3
900	31	0962	305.5	309	301	281.7	31	965	300.4	303	297	287.3	31	995	294.5	297	290	290 1
850	31	1471	300.7	305	296	277.6	31	1469	296.9	301	294	284·3	31	1490	292.1	295	285	286.3
800	31	2002	296.1	301	291	277.2	31	1997	293.2	297	288	281.7	31	2010	289.4	291	284	283.3
700	31	3143	286.1	292	282	271.0	31	3131	284.8	289	281	275.8	31	3135	283.1	287	280	277.6
600	31	4412	275.5	282	271	263.5	30	4403	276.1	283	271	268.1	31	4401	275.7	280	270	271.3
500	31	5861	266.4	273	260	..	30	5862	269.2	275	264	..	31	5857	268.6	272	265	..
400	31	7573	256.1	267	248	..	30	7592	258.8	265	252	..	31	7579	258.5	261	255	..
300	28	9687	244.2	254	237	..	29	9718	244.0	250	239	..	31	9691	243.5	250	239	..
250	28	10973	237.0	245	227	..	28	10991	234.0	240	229	..	31	10966	234.1	239	228	..
200	28	12498	228.7	235	223	..	27	12486	222.1	229	215	..	30	12455	221.1	227	214	..
175	26	13390	224.2	231	219	..	25	13342	216.3	224	210	..	30	13301	214.5	220	206	..
150	26	14387	218.5	228	210	..	25	11313	209.1	217	203	..	28	14261	208.5	215	202	..
125	26	15532	212.5	220	205	..	25	15399	202.4	211	195	..	25	15333	201.6	210	187	..
100	24	16896	207.0	215	200	..	20	16710	198.3	203	193	..	21	16667	197.9	205	184	..
80	21	18257	207.0	216	199	..	10	17989	201.9	209	197	..	13	17987	200.8	207	189	..
70	21	19071	210.6	224	201	..	7	18746	204·0	213	199	..	11	18799	204.3	211	192	..
60	17	19999	214.4	227	209	..	5	19660	207.4	216	204	..	10	19733	206.3	212	197	..
50	14	21169	219.9	229	211	..						..	7	20767	207.1	210	199	..
40	12	22590	224.0	235	219	..												
30	9	24484	227.4	235	222	..												
20																		

	NAGPUR/SONEGAON (966 mb.)						NEW DELHI/SAFDARJUNG (977 mb.)						PORT BLAIR (996 mb.)					
Surface	31	311	312.3	315	304	282.7	31	209	309.1	313	305	284.5	31	079	300.3	303	297	297.5
1000	31	—008	..	..	..	..	31	—005	..	..	..	..	31	067	..	..	..	..
900	31	957	306.3	309	301	288.7	31	945	303.8	311	298	279.2	31	973	294.7	299	292	292.4
850	31	1471	301.7	304	295	287.3	31	1452	299.5	306	293	275.7	31	1469	292 3	297	289	289.2
800	31	2006	296.4	300	292	285.3	31	1981	294.8	302	289	275.1	31	1990	289.7	295	285	285.5
700	31	3154	286.4	289	281	278.7	31	3117	284.7	294	280	269.5	31	3118	284.2	287	281	278.6
600	31	4428	275.9	281	271	272.1	31	4381	274.7	286	269	258.6	31	4391	277.7	281	274	274.4
500	31	5876	267.1	273	260	..	31	5818	263.6	271	258	..	28	5858	269.7	273	265	261.0
400	31	7597	258.5	265	253	..	31	7509	254.3	265	246	..	28	7580	259.6	263	255	..
300	31	9722	244.7	251	239	..	31	9602	242.7	253	235	..	28	9721	245.4	249	241	..
250	31	11004	234.9	241	228	..	31	10880	235.1	243	227	..	27	11003	235.9	240	231	..
200	31	12504	223.1	231	211	..	31	12389	226.8	235	219	..	27	12502	224.1	230	218	..
175	28	13367	217.6	222	209	..	31	13268	222.0	228	215	..	25	13363	217.6	223	210	..
150	28	14335	211.1	219	199	.	29	14245	215.8	223	206	..	23	14334	210.7	217	203	..
125	26	15439	204.1	212	197	..	28	153.8	209.7	218	197	..	17	15432	203.5	213	194	..
100	20	16757	199·1	205	191	..	26	16746	205.1	215	197	..	12	16759	197.9	205	193	..
80	13	18060	201·7	215	195	..	22	18066	204.3	212	197	..	7	18007	196.5	204	190	..
70	9	18831	204·2	215	197	..	22	18875	205 6	213	200	..						
60	6	19773	205.2	212	201	..	18	19823	211.1	219	204	.						
50						..	15	20965	216 0	224	209	..						
40						..	13	22359	220 9	228	216	..						
30							5	24355	225.6	232	219	..						

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 Hours G. M. T.

May, 1965 (Vaisakha 11—Jyaistha 10, 1887 Saka)

Standard Pressure Surface mb.	SRINAGAR Surf. Pr. (838 mb.)						TRIVANDRUM (999 mb.)						VISHAKHAPATNAM Surf. Pr. (998 mb.)					
	No. of Obs.	gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	24	1588	293.0	300	284	283.5	31	064	301.7	303	298	297.1	31	041	304.0	307	303	299.5
1000	24	051	..	..	..	..	31	056	301.2	303	298	297·5	31	020	303.7	305	303	299.0
900	24	977	..	..	..	..	30	934	295.1	297	293	290.9	30	959	300.1	305	296	290.3
850	24	1472	..	..	..	..	30	1480	292.4	295	289	287.9	30	1463	297.4	302	293	286.4
800	24	1990	288.9	298	281	278.0	30	2001	289.6	293	287	284.1	30	1991	294.0	297	288	283.2
700	24	3107	280.8	287	273	271.5	30	3129	284.2	288	281	277.4	30	3130	285.2	288	279	276.0
600	23	4360	271.6	277	265	263.7	30	4401	276.2	281	272	270·1	30	4403	276.3	281	273	270.2
500	23	5784	261.4	265	255	..	30	5860	268.9	273	265	..	30	5862	268.7	271	264	..
400	23	7460	249.8	256	244	..	30	7590	259.0	265	254	..	29	7591	259.3	263	256	..
300	23	9514	237.0	251	227	..	30	9716	243.8	250	237	..	28	9728	245.4	251	239	..
250	23	10762	229.6	243	218	..	30	10992	234.3	240	226	..	28	11015	236.1	245	229	..
200	21	12251	224.1	233	213	..	30	12488	222.6	227	216	..	27	12528	224.9	231	218	..
175	18	13139	222.9	228	215	..	29	13341	216.5	221	209	..	24	13385	219.1	226	209	..
150	19	14133	219.9	229	215	..	27	14325	210.3	214	201	..	24	14372	212.7	221	200	..
125	1	15270	215.0	221	209	..	24	15420	203.5	209	195	..	19	15455	206.4	215	195	..
100	91	16684	211.5	218	205	..	22	16752	199.5	205	193	..	18	16806	200.8	208	195	..
80	0	18041	209.7	215	205	..	18	18056	203·5	212	197	..	13	18129	200.4	205	197	..
70	9	18897	210.8	217	205	..	17	18866	207.1	214	201	..	12	18920	202.8	206	198	..
60	6	19921	211.2	217	206	..	12	19792	212.2	219	205	..	10	19823	205.9	211	199	..
50	5	21024	212.6	221	207	..	11	20918	215·2	229	207	..	9	20903	210.7	217	202	..
40	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

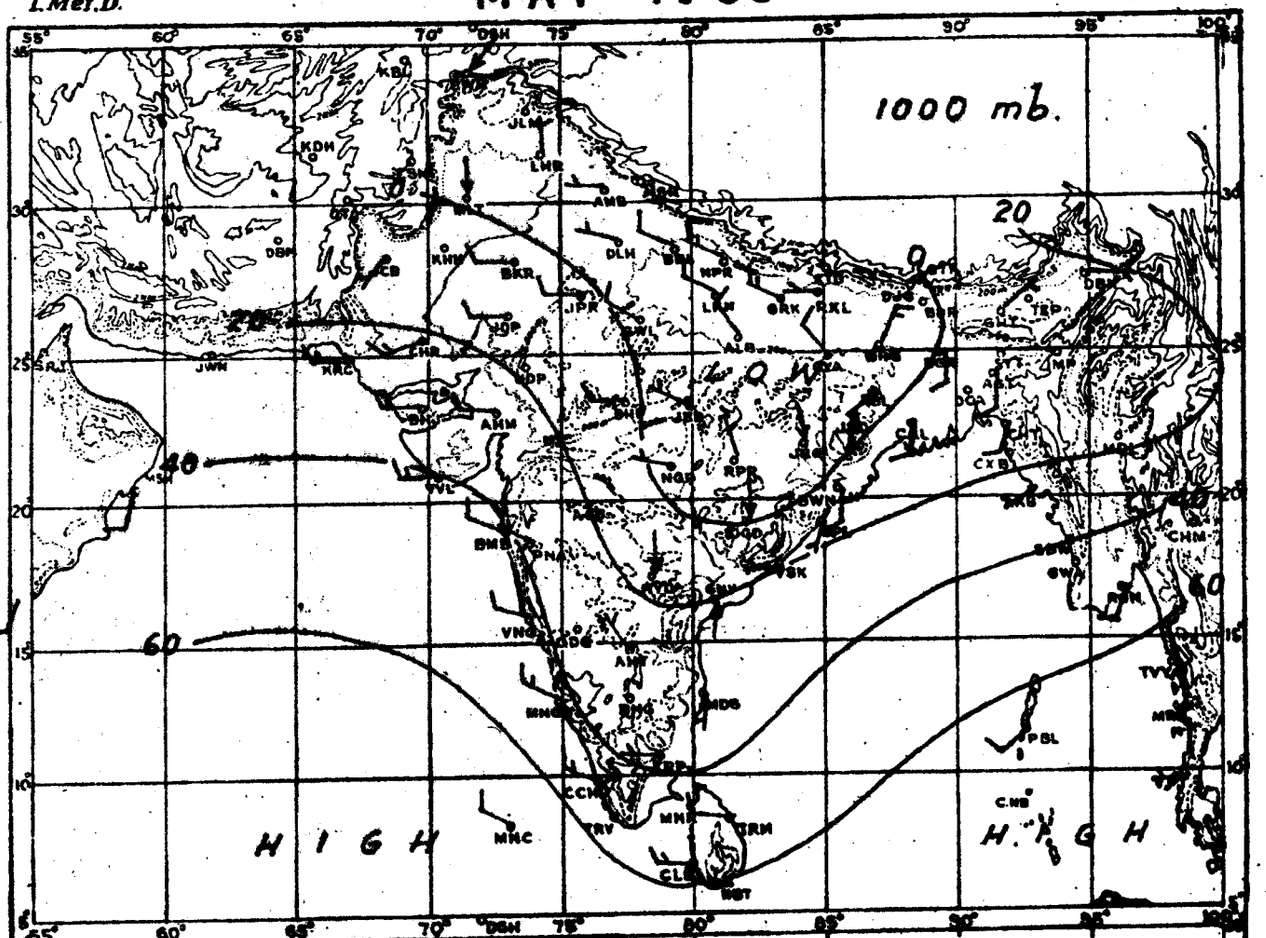
Note : Number of observations refer to those of dynamic height. Means are not worked out for temperature and dew point for the 1000 mb. surface and for dew point for standard pressure surfaces with temperature less than 273° A.
Means are not worked out for less than five observations at standard pressure surfaces.

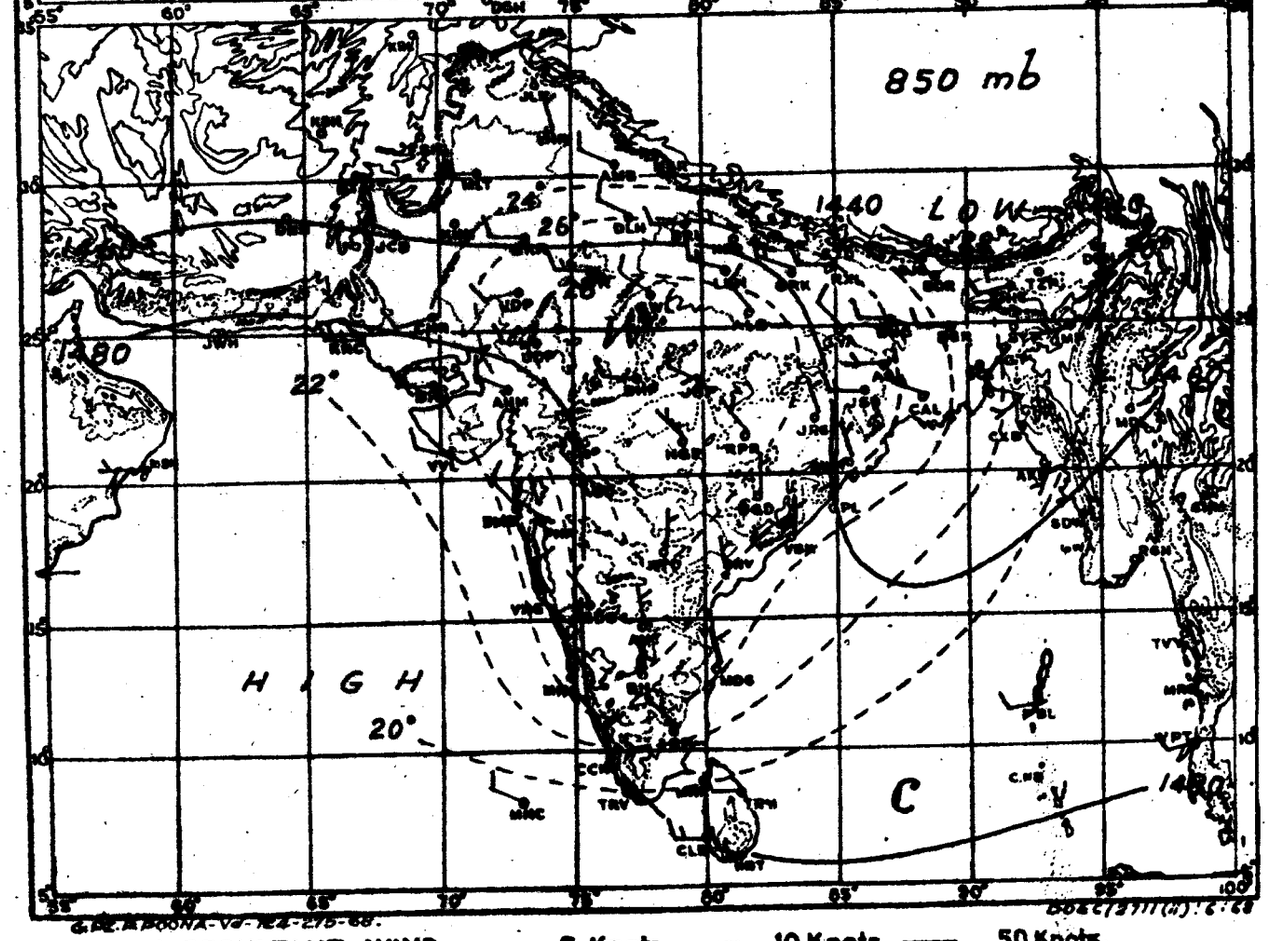
GIPN—S3— 8 D.D.G. Obs. (P)/63—11-3-69 —260

MONTHLY MEAN CONSTANT PRESSURE CHARTS

MAY 1965

I.Met.D. Plate I



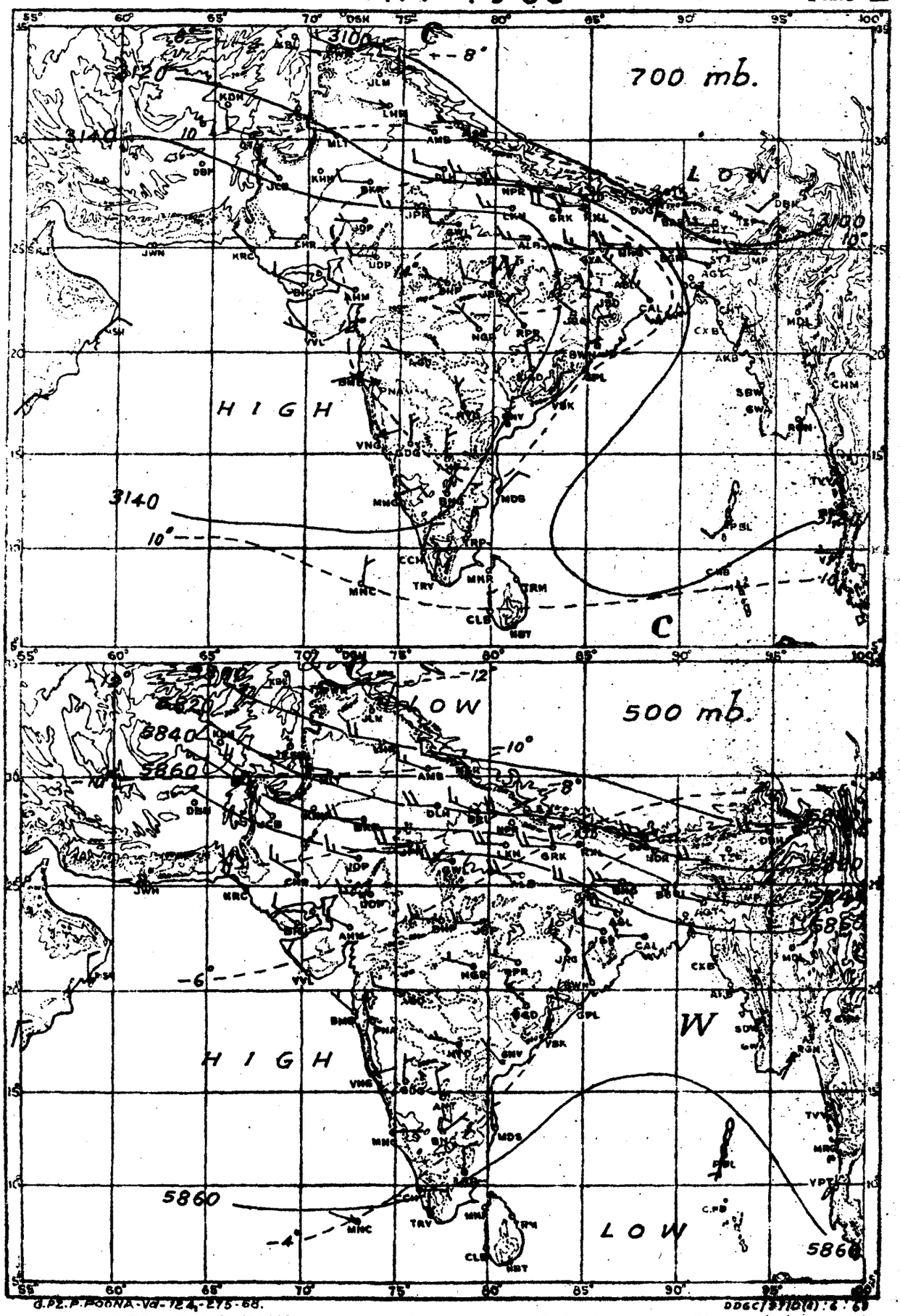


RESULTANT WIND — 5 Knots, — 10 Knots, — 50 Knots.

---------- Isotherms in degrees centigrade ——— Contours in geopotential metres.

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I.Met.D. MAY 1965 Plate II



G.P.Z.P. POONA-Vd-124-275-68.

DDGC/3710(4):6:69

RESULTANT WIND —— 5 Knots, —— 10 Knots, —— 50 Knots.

---------- Isotherms in degrees centigrade ———— Contours in geopotential metres.

G.P.Z.P. POONA, 1965.

INDIA WEATHER REVIEW, 1965

Monthly Weather Report

JUNE

Published by authority of the Government of India

Chief features—

(i) Further advance of the monsoon upto Dahanu on the west coast and to the central parts of the country and extreme east Uttar Pradesh;

(ii) Sub-normal rainfall activity over most parts of the country;

(iii) Movement of a western disturbance across northwest India in the first week;

(iv) Prolonged moderate to severe heat wave conditions in north India.

The severe cyclonic storm which was lying over northeast Bay of Bengal on 31st May crossed the East Pakistan coast near Long. 91°E by the noon of 1st June. Moving northeastwards, it rapidly weakened and filled up over Assam on 2nd. Under its influence, the Bay branch of the monsoon further advanced into the northeast Bay and eastern parts of Assam and Sub-Himalayan west Bengal also received good rainfall during the first week. Tura recorded 13 cm of rain on 2nd, North Lakhimpur 9 cm on 3rd, Goalpara 11 cm and Cooch Behar 10 cm on 4th.

A feeble trough of low pressure developed over the east central Arabian Sea off Mysore coast at the beginning of the month. It extendend slightly northwards and persisted till 17th. In association with it, the Arabian Sea branch of the monsoon advanced slowly northwards along the west coast and covered the Konkan by the middle of the month. Fairly well distributed rainfall occurred over the Peninsula during the first fortnight with a number of heavy falls along the west coast. Some of the noteworthy amounts of rainfall recorded were: Fort Cochin 9 cm on 5th, Mangalore 10 cm on 6th and 9 cm on 9th, Calicut 12 cm on 9th and 9 cm on 10th, Trivandrum 10 cm on 9th, Honavar 13 cm and Harnai 11 cm on 14th, Bombay (Colaba) 25 cm, Bombay (Santacruz) 17 cm, Dahanu 16 cm, Honavar 10 cm and Harnai 9 cm on 16th and Panjim (Goa) and Goa 17 cm each and Belgaum 9 cm on 17th.

The monsoon did not advance further northwards along the west coast during the second fortnight and its activity was also moderate over the Peninsula during the period. However, it was quite active in Kerala during the third week and in parts of Maharashtra State during the last week. Some of the heavy rainfalls reported were : Fort Cochin 17 cm and Calicut 15 cm on 18th, Fort Cochin 11 cm on 19th, Nagpur 11 cm on 22nd, Devgarh 11 cm each on 27th and 29th, Nizamabad 13 cm on 27th, Goa 9 cm on 29th and Bombay (Colaba) 11 cm and Dahanu 9 cm on 30th.

The rainfall activity over Assam and Sub-Himalayan West Bengal decreased considerably after the first week. With the development of a trough of low pressure over the north and adjoining central Bay of Bengal on 11th and its persistence there till 17th, a few thundershowers occurred over this area. This disturbance was also responsible for an increase in the monsoon activity over the Bay Islands during the second week. Port Blair recorded 14 cm of rain on 10th and 9 cm on 11th, Long Island 10 cm on 10th and Maya Bandar 11 cm on 11th.

An upper air cyclonic circulation developed over Gangetic West Bengal and neighbourhood on 24th. It persisted there and became well marked by 29th and a low pressure area formed over East Pakistan on 29th. It lay as a well marked low pressure area over East Pakistan and adjoining Gangetic West Bengal on the last day of the month. Under its influence, there was well distributed rainfall over northeast India. Mohanbari recorded 13 cm of rain on 26th, Krishnanagar 22 cm and Berhampore and Burdwan 15 cm each on 30th.

A western disturbance lay over west Rajasthan and the adjoining Punjab on 4th. It moved away slowly northeastwards across Jammu and Kashmir by 8th. Under its influence, a few thundershowers occurred over northwest India.

"*Copyright* © 1964 *by Manager of Publications, Government of India, Delhi-8*"

1—9 D. D. G. Obs.P./68

The monsoon advanced somewhat slowly during the third week to cover the central parts of the country and the remaining parts of northeast India. The northern limit of the monsoon was passing through Dahanu, Jabalpur, Dehri and Nanpara on the last day of the month.

Day temperatures remained above normal over north and central India for the major part of the month. Moderate to severe heat wave conditions prevailed over Orissa, Gangetic West Bengal and Bihar State from 4th to 18th, being particularly severe in Gangetic West Bengal from 6th to 11th and in Orissa from 11th to 13th with maximum temperatures 8° to 11°C above normal. Although the heat wave conditions continued in Bihar State upto 22nd, the maximum temperatures were only about 8°C above normal. Moderate heat wave conditions also prevailed in Uttar Pradesh and adjoining areas of Delhi and Madhya Pradesh from about 13th to 23rd, the worst period being 14th to 18th. According to press reports, a number of deaths occurred in West Bengal, Bihar State, Uttar Pradesh and Delhi, the largest number of deaths being in Bihar State.

The total rainfall for the month was in large excess in Rayalaseema, in moderate excess in south Assam and north Interior Mysore and normal in north Assam, Gangetic West Bengal, the Konkan, Marathwada and Kerala. It was in slight defect in Sub-Himalayan West Bengal, Vidarbha, coastal and south Interior Mysore, in moderate defect in the Bay Islands, east Madhya Pradesh, Madhya Maharashtra, coastal Andhra Pradesh, Telangana, Madras State and the Arabian Sea Islands and in large defect over the rest of the country.

The mean maximum temperature was above normal in Gangetic West Bengal, Orissa, Bihar State, Uttar Pradesh, Punjab, Madhya Pradesh, Gujarat Region and coastal Andhra Pradesh. It was normal over the rest of the country.

The mean minimum temperature was above normal in Bihar Plateau and east Uttar Pradesh and below normal in south Assam, Jammu and Kashmir and coastal Mysore. It was normal over the rest of the country.

The mean relative humidity in the morning was above normal in west Rajasthan and Rayalaseema and below normal in Orissa, Bihar Plateau, Uttar Pradesh, Jammu and Kashmir, west Madhya Pradesh and Gujarat Region. It was normal over the rest of the country.

The mean cloud amount in the morning was above normal in north Interior Mysore and below normal in Uttar Pradesh, Punjab, Jammu and Kashmir and Rajasthan. It was normal over the rest of the country.

Table I contains the divisional and sub-divisional means of rainfall, temperature, humidity and cloud amount for the 15 chief political divisions and the 32 sub-divisions. The stations whose observations are used for preparing these means are given in the subsequent tables.

The highest maximum temperature given for any station in the accompanying tables is that recorded within the 24 hours ending at 0830 hrs. I.S.T. of the date noted in the succeeding column; similarly the heaviest rainfall in 24 hours for any station denotes the amount recorded during the 24 hours ending at 0830 hrs. I.S.T. of the date given in the succeeding column.

POONA-5,
The 20th September, 1965.

R. ANANTHAKRISHNAN,
for DIRECTOR GENERAL OF OBSERVATORIES

NOTE:-Description in respect of Himachal Pradesh is not included for want of normals.

	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative humidity in percentage		Cloud	
					0830 hrs. I.S.T.	1730 hrs. I.S.T.	0830 hrs. I.S.T.	1730 hrs. I.S.T.
1	2	3	4	5	6	7	8	9
Division								
1. Assam (Including NEFA, Nagaland Manipur and Tripura)	459·0	110	31·2	23·3	85	79	6·7	6·0
	+39·3		+0·2	−0·7	+2		+0·2	
2. West Bengal	317·2	90	35·6	26·2	76	68	5·5	6·0
	−33·4		+1·9	+0·3	−3		−0·3	
3. Orissa	93·9	43	36·6	26·1	69	60	6.1	6·2
	−123 0		+2·3	−0·1	−6		+0·6	
4. Bihar	81·9	42	38·3	26·5	63	49	4·9	4·7
	−111·3		+3·2	+0·6	−7		0	
5. Uttar Pradesh	13·4	11	41·8	28·2	45	28	1·8	2·1
	−108·8		+3·5	+0·8	−14		−1·4	
6. Punjab (Including Delhi & Himachal Pradesh)*	2·5	5	41·8	26·9	41	27	0·9	1·7
	−50·1		+1·6	0	−4		−1·1	
7. Jammu and Kashmir.	16·8	39	27·8	12·6	49	43	1·9	2·9
	−26·6		+0·2	−1·5	−9		−0·7	
8. Rajasthan	12·2	24	40·8	27·6	57	28	1·6	1·5
	−39·5		+0·8	−0·2	+1		−0·7	
Sub-Division								
1. Bay Islands	409·9	74	29·3	23·7	81	83	7·5	7·2
	−142·6		+0·2	−0·2	−1		+0·8	
2. North Assam (Including NEFA)	386·9	94	31·6	23·9	86	78	6·7	5·7
	−23·9		+0·5	−0·3	+2		+0·2	
3. South Assam (Including Nagaland, Manipur & Tripura).	603·3	138	30·2	21·8	84	82	6·7	6·6
	−165·7		−0·5	−1·7	+1		+0·2	
4. Sub-Himalayan West Bengal.	502·7	84	32·8	24·9	83	74	6·5	5·6
	−96·1		+0·9	+0·3	0		+1·0	
5. Gangetic, West Bengal.	249·7	96	36·4	26·6	74	66	5·2	6·1
	−10·7		+2·3	+0·3	−4		−0·6	
6. Orissa	93·9	43	36·6	26·1	69	60	6·1	6·2
	−123·0		+2·3	−0·1	−6		+0·6	
7. Bihar Plateau	94·1	46	38·7	26·9	58	45	4·7	5·4
	−110·1		+3·4	+1·1	−10		0·1	
8. Bihar Plains	74·5	40	38·0	26·2	68	52	5·0	4·1
	−112·1		+3·1	−0·1	−5		+0·2	
9. Uttar Pradesh (East).	20·5	16	41·9	28·6	47	29	2·3	2·1
	−106·8		+3·7	+1.1	−15		−1·2	
10. Uttar Pradesh (West).	3·7	3	41·6	27·7	42	28	1·1	2·2
	−111·6		+3·1	−0·5	−13		−1·8	
11. Punjab (Including Delhi).	2·5	5	41·8	26·9	41	27	0·9	1·7
	−50·1		+1·6	0	−4		−1·1	
12. Himachal Pradesh	54·5		38·5	19·1	59	31	0·7	2·5
			..	..	..		..	
13. Jammu and Kashmir.	16·8	39	27·8	12·6	49	43	1·9	2·9
	−26·6		+0·2	−1·5	−9		−0·7	
14. Rajasthan (West)	8·6	30	41·4	27·5	62	27	1·4	0·3
	−19·8		+0·5	−0·8	+6		−0·6	
15. Rajasthan (East)	15·8	21	39·6	27·7	53	28	1·7	2·5
	−59·3		+1·0	+0·2	−3		−0·8	

	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative humidity in percentage		Cloud	
					0830 hrs. I.S.T.	1730 hrs. I.S.T.	0830 hrs. I.S.T.	1730 hrs. I.S.T.
1	2	3	4	5	6	7	8	9
Division—*Contd.*								
9. Madhya Pradesh	80·8	52	38·6	26·6	57	40	4·4	5·2
	−76·0		+1·8	+0·6	−5		+0·1	
10. Gujarat State (including Diu, Daman, Dadra and Nagar Haweli)	1·7	2	36·4	27·1	75	56	3·9	2·9
	−91·2		+0·6	+0·1	−2		−0·7	
11. Maharashtra State (inluding Goa)	272·7	89	34·6	24·6	73	56	5·4	6·0
	−33·6		+0·5	−0·1	−1		+0·1	
12. Andhra Pradesh	82·2	74	37·1	26·4	67	50	5·9	5·9
	−29·2		+0·7	−0·2	+1		+0·4	
13. Madras State (including Pondicherry)	24·3	64	36·1	25·9	62	52	5·0	5·6
	−13·4		+0·6	+0·1	−2		+0·7	
14. Mysore	259·7	91	30·9	21·9	82	64	6·5	6·7
	−24·8		+0.3	−0·1	+3		+0·7	
15. Kerala	593·9	90	29·5	23·9	89	82	6·7	6·6
	−64·5		+0·1	0	+1		0	
Sub-Division—*Contd.*								
16. Madhya Pradesh (West).	54·0	40	38·8	26·6	57	36	3·8	4·5
	−80·4		+1·6	+0·6	−6		−0·3	
17. Madhya Pradesh (East)	115.0	62	38·3	26·6	58	44	5·3	6·1
	−70·5		+1·9	+0·6	−3		+0·5	
18. Gujarat Region Including Daman, Dadra and Nagar Haveli)	4·5	3	37·5	27·2	70	43	4·4	2·1
	−130·3		+1·2	+0·5	−6		−0·6	
19. Saurashtra and Kutch. (including Diu)	0·2	0	35·7	27·1	78	64	3·6	3·3
	−69·6		+0·2	−0·1	+1		−0·7	
20. Konkan (including Goa)	607·7	96	31·2	25·5	85	81	5·8	5·9
	−25·1		+0·3	−0·2	+3		−0·4	
21. Madhya Maharashtra	132·1	73	34·4	23·1	72	52	5·4	6·1
	−47·9		+0·6	−0·1	−1		+0·5	
22. Marathwada	131·5	96	36·5	23·6	69	40	4·5	5·9
	−5·3		+0·7	−0·1	−3		−0·5	
23. Vidarbha	149.5	83	37·4	25·9	63	45	5·3	5·9
	−31·3		+0·4	−0·2	−2		+0·4	
24. Coastal Andhra Pradesh.	53·0	51	37·9	27·5	67	55	6·1	6·2
	+51·4		+1·4	+0·2	−2		+0·4	
25. Telangana	109·1	74	36·8	25·4	65	46	5·6	5·5
	−38·2		+0·3	−0·8	+1		+0·3	
26. Rayalaseema	105·2	155	35·9	25·3	71	46	5·8	6·0
	+37.3		−0·4	−0·4	+7		+0·6	
27. Madras State	24·3	64	36·1	25·9	62	52	5·0	5·6
	−13·4		+0·6	+0·1	−2		+0·7	
28. Coastal Mysore	849·6	86	29·6	22·9	89	72	7·1	6·9
	−136·8		+0·3	−1·3	+1		+0·2	
29. Interior Mysore (North)	142·0	126	33·0	22·4	79	59	6·5	6·9
	+28·9		+0·2	+0·1	+4		+1·7	
30. Interior Mysore. (South)	107·7	82	29·6	21·0	82	64	6·2	6·3
	−22·9		+0·3	+0·3	+3		+0·1	
31. Kerala	593·9	90	29·5	23·9	81	82	6·7	6·6
	−64·5		+0·1	0	+1		0	
32. Arabian Sea Islands	166·1	59	30·3	25·5	81	79	6·3	6·5
	−115·4		+0·1	+0·1	−1		+0·1	

NOTE.—The entries in the second line for each division and sub-division indicate departures from normal.

*Data of Himachal Pradesh not included.

Sub-Division and station	Air temperature in °C								Rainfall in milimetres					No. of rainy days (2.5 mm. or more)		Wind speed kms. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Lines Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a	20(b	21	22	23	24	25	26	27	28	29
Bay Islands																													
Maya Bandar.	29.8	..	31·7	3	24.8	..	22·0	11	117.6	429.6	..	106.2	11	15	..	23·9	20.4	..	0	20	0	0	2	0	0	0	0	0	0
Long Island .	29.9	..	31.9	30	22.9	..	19.7	10	144.6	610.6	..	120.2	7	16	..	11·9	9.4	..	2	18	0	0	0	0	0	0	0	0	0
Port Blair .	29.3	+0.2	30.7	4	23.7	—0.2	20.2	11	149.2	409.9	—142.6	139.0	10	15	—6.5	..	..	..	0	25	0	0	9	5	0	0	0	4	0
Car Nicobar .	30.8	..	31.3	3,22,24	26.2	..	24.4	10,13	2.0	36.0	..	8.0	6	4	..	10·5	8.0	..	0	11	0	0	0	0	0	0	0	0	0
Nancowry .	30.0	..	30.6	8,29	26.4	..	23.7	7	8.6	38.0	..	8·0	14	7	..	16.1	13.1	..	0	13	0	0	0	0	0	0	0	0	0
Kondul .	28·7	..	29.4	1	25.4	..	23.2	11	18.0	78.0	..	17.8	7	11	..	..	..	..	0	14	0	0	0	0	0	0	0	0	0
North Assam Including NEFA)																													
Pasighat .	31.1	..	36.1	14	21.9	..	19.5	5,8	145.1	756.3	..	91.2	7	20	..	4.5	5.1	..	1	24	0	0	8	0	0	0	0	0	0
Dibrugarh (Mohanbari)	31.5	+0.9	36.5	26	23.6	+0·2	20.7	9	85.6	469·9	—29.7	134·8	26	20	+0·4	6.8	5 2	+1 0	1	24	0	0	19	0	0	0	0	0	0
Digboi	31.9	..	35.7	14	22.2	..	18.8	9	69.6	301.5	..	33.2	21	22	..	..	..	..	0	24	0	0	0	0	0	0	0	0	0
North Lakhimpur	31·7	+1·6	36.0	13	23.1	—0.9	21.0	8	70.0	808·2	+196.2	134.5	7	20	+0 4	7.0	5·9	..	0	24	0	0	9	9	0	0	0	0	0
Sibsagar .	32.7	+1.3	36·6	13	24.9	+0.4	22.3	28	13.2	261.4	—122.9	64.2	15	16	—1 1	4 8	4.1	+0.6	2	21	0	0	16	0	0	0	0	0	0
Gohpur .	32.3	..	36.0	13	23.2	..	19.9	8	(f) 125.0	(f) 456.1	..	..	..	..	..	(f) 5 6	(f) ..	..	..	..	0	0	0	0	0	0	0	0	0
Majbat .	31.8	..	35·7	5,13	..	..	..	..	146.3	388.2	..	59.3	2	15	..	5.8	3.8	..	0	20	0	0	0	0	0	0	0	0	0
Jorhat (Aerodrome).	32·6	..	35·5	12,14	24.5	..	21.8	8	29.6	269.8	..	41.1	2	19	..	..	..	..	0	23	0	0	20	0	0	0	0	0	0
Tangla . .	31.7	..	36.2	13	..	..	..	..	121.6	409.7	..	78.2	19	12	..	4 2	2.9	..	0	12	0	0	0	0	0	0	0	0	0
Tezpur . .	31.7	+0·3	35 8	13	25.1	+0·4	21.8	8	37.7	250.8	—57.6	37.1	1	15	—1.0	6.1	4.3	+1.2	0	19	0	0	0	0	0	0	0	0	0
Golaghat .	32.7	..	36.6	13	23·9	..	20·9	8	32.0	261·0	..	43·6	28	14	..	..	..	..	0	18	0	0	0	0	0	0	0	0	0
Rangia .	31.6	..	36·8	13	23.9	..	21·3	6	170.3	451.5	..	77.1	19	21	..	7.6	5·8	..	0	22	0	0	2	0	0	0	0	0	0
Chaparmukh	32.8		36.8	13	25.0	..	21.4	8	203.8	380.0	..	100.0	4	13	..	(b) 6.1	3.9	..	0	16	0	0	3	0	0	0	0	0	0
Goalpara .	30·9	..	36 1	13,14	22·2	..	17.9	5	265.0	776.0	..	194·2	4	19	..	5·1	3.0	..	0	22	0	0	0	0	0	0	0	0	0
Gauhati. .	30.7	—0.9	35.2	4	22.5	—2 2	20.0	28,29	..	263.0	—49.4	25.0	25	21	+6.3	..	..	..	0	21	0	0	0	0	0	0	0	0	0
Gauhati (Bhorjor).	31.2	—0·4	34.8	1,13	24.7	+0.5	22.2	4	151.0	363.3	+50.9	60.2	19	19	+4·3	7.6	5·3	..	0	24	0	0	18	0	0	0	0	1	0
Dhubri (Rupsi).	31.0	..	34.7	13	23.9	..	20.1	4	185.7	844.6	..	146·3	4	18	..	9.0	7.8	..	0	25	0	0	14	0	0	0	0	1	0
Dhubri . .	30.5	+0·7	35.0	13	23.6	—0.9	20.0	4	172.4	506.3	—106·1	174.4	4	15	—3.1	10.1	11.0	+4.1	1	19	0	0	6	0	0	0	0	0	0
Lumding .	32·7	+0.6	36.5	12	24.0	—0.1	21.9	4.8	57.1	172.2	—72.9	33.0	15	13	—0.7	6.5	4.5	..	0	17	0	0	0	0	0	0	0	0	0
South Assam (including Nagaland, Manipur and Tripura)																													
Tura . .	29.7	..	32·9	13	23.9	..	20.1	4	130.1	469.2	..	131.4	7	17	..	6 7	6.7	..	0	20	0	0	2	0	0	0	0	0	0
Haflong .	26.1	..	30·3	12	19.5	..	16.5	6	188.7	729.5	+287.8	103.1	7	25	+6.7	7.9	8.2	..	0	26	0	0	11	0	0	0	0	0	0
Silchar (Kumbhirgram).	31·2	..	36.5	1	23·4	..	20.6	4	96.1	665.5	..	84·5	25	23	..	7.4	6.4	..	0	25	0	0	10	0	0	0	0	0	0
Silchar .	30.6	—1.2	35·0	20	23.1	—1·5	20.0	24,25	143.6	550.4	—38.1	63.4	15	24	+2.7	2.7	1.7	—1.0	0	25	0	0	16	0	0	0	0	0	0
Imphal (Tulihal).	28.5	—0.2	33·8	12	19.0	—2.2	16.6	10	152.0	399.6	+121·3	104.7	16	18	+3·0	7.4	4.5	—2.4	1	23	0	0	7	1	0	0	0	1	0
Kailashahar	31.5	..	35.7	11	24.2	..	20.9	5	363.5	69.1	..	284.0	3	22	..	7.9	5.9	..	1	25	0	0	13	0	0	0	0	1	0
Agartala	31.5	0	35.0	13	23·2	—1·5	20.0	5	151.1	733.8	+291.9	167.4	17	21	+3.1	12.1	10.8	+1.1	0	21	0	0	12	0	0	0	0	0	0
Sub-Himalayan West Bengal																													
Baghdogra .	31.5	+0.2	36·2	13	24.1	+0.1	22.0	1	93.2	411.8	—216.8	72.2	22	19	—1.1	13.3	11.9	+4.2	0	20	0	0	15	0	0	0	0	0	0
Jalpaiguri .	31.2	—0.2	38.3	13	24.2	—0.1	22.3	5	94.5	413.0	—245.9	76.0	24	19	—0.1	9.3	7·5	+4.1	0	20	0	0	5	0	0	0	0	0	0
Cooch Behar .	31.3	..	35.6	13	23·5	..	19.9	4	147.8	953.5	+95.2	228.2	20	18	—2.6	7.2	5.1	..	1	20	0	2	19	0	0	0	0	1	0
Balurghat .	33·8	..	38.5	7	24.8	..	23.0	5	116.5	194.7	..	63.2	24	13	..	10.7	8.5	..	1	13	0	0	4	0	0	0	0	0	0
Malda . .	35.7	+2.6	41.5	5,9	26.5	+0.8	23.2	22	217.0	232.7	—16.7	98.0	25	10	—1.5	4.7	3.9	—4.8	1	12	0	0	11	0	0	0	0	0	0
Gangetic West Bengal.																													
Berhampore .	36.8	+3.1	44.9	6	26.1	+0.3	23.3	23	142.0	160.1	—85.5	54.8	30	9	—3.3	7.3	5.8	—0.2	0	13	0	0	6	0	0	0	0	0	0
Suri . .	37.8	..	44.1	6	26.8	..	21.3	24	..	76.2	..	19.8	22	6	..	..	7.9	..	0	12	0	0	3	0	0	0	0	0	0
Asansol .	39·1	+2.5	45·2	5	27.3	+1.1	24.2	1	193.5	185.9	—55·6	72.1	29	7	—4·7	11.0	8.3	—0.2	1	10	0	0	12	0	0	0	0	1	0
Shanti Niketan	37·9	..	44.2	6	26.7	..	23.8	19	49.6	157.7	..	81.2	30	8	..	11.0	9.8	..	3	8	0	0	0	0	0	0	0	0	0
Krishnanagar .	36·2	+2·4	42·8	9	..	..		..	81.0	401.2	+138.8	220.0	30	10	—2·7	11·8	7·9	—0.1	0	13	0	0	14	0	0	0	0	0	0
Purulia .	38.8	+2.6	43.8	11	26.9	+0.8	23·6	27	119 2	166.9	—26.5	100.8	27	7	—3.8	9.5	7.5	+0·6	3	9	0	0	9	0	0	0	0	1	0
Bankura .	39·2	..	45.3	11	26·9	..	23·1	2	89.7	137.2	—130.3	64.3	23	9	—2.1	7.9	5.1	..	0	11	0	0	1	0	0	0	0	0	0
Burdwan .	37·6	+3.4	43.5	6	26.5	0.5	21·7	27	216.2	341.4	+74.2	134.6	30	8	—4.4	(e) 6·0	(f) 4·3	—0·7	0	10	0	0	1	0	0	0	0	0	0

(b) Mean of 29 days. (e) Mean of 26 days. (f) Mean or total for 25 days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy day (2.5 mm. or more)		Wind speed, kms. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a	20(b	21	22	23	24	25	26	27	28	29
Gangetic West Bengal—(*Contd.*)																													
Barrackpore (Aerodrome).	35·9	..	43·2	6	26·1	..	21·8	2	84·2	285·2	..	89·2	30	12	..	..	..	..	0	13	0	0	17	0	0	0	0	4	0
Calcutta (Dum Dum.)	35·5	+2·5	42·7	6	26·6	+0·3	23·3	12	69·8	268·3	+12·4	60·8	26	11	−0·7	11.8	9·9	−2·6	0	13	0	0	14	0	0	0	0	4	0
Calcutta .	35·7	+2·1	43·4	6	26·8	+0·9	23·5	30	85·8	309·9	+13·0	92·1	25	12	−1·2	12·4	7·9	+1·0	0	13	0	0	10	0	0	0	0	4	0
Midnapore .	37·3	+2·7	44·6	11	25·3	−0·9	21·5	30	10·1	211 6	−47·7	54·0	19	11	−1 4	8.9	7·3	+1·8	0	13	0	0	4	0	0	0	0	0	0
Contai . .	34·4	+1·9	43·6	6	26·4	−0·4	21·3	27	21·1	261·3	−17·8	103·0	29	8	−3·5	15·7	12·1	−2·1	0	8	0	0	0	0	0	0	0	0	0
Sagar Island	32·4	+0·4	35·4	6	27·7	+0.5	23·3	2	43·9	302·9	+7·5	93·2	29	9	−3 1	26·7	27·2	+6·0	1	14	0	0	11	0	0	0	0	1	0
Sandheads .	31·9	..	34·9	13	27·1	..	23·4	19	43·0	76·5	−123·4	40·6	22	4	−5 4	..	..	..	0	6	0	0	2	0	0	0	0	0	0
Orissa																													
Baripada .	38·5	..	45·4	11	26 3	..	22·3	2	36.0	130·6	..	55·6	26	9	..	5·2	3·8	..	0	17	0	0	20	0	0	0	0	0	0
Jharsuguda .	39·0	+1·5	44·9	5	27·5	+0·9	22·6	27	36·5	95·3	−126·8	44·0	27	6	−4 5	15·2	11 1	+1·1	0	9	0	0	14	0	0	0	0	0	0
Keonjhargarh.	35·9	..	41·5	11	..	..	..	..	45·2	128·6	..	48·7	24	8	..	14·4	11 4	..	0	9	0	0	0	0	0	0	0	0	0
Balasore .	37·1	+3·1	43·9	6	25·7	−0·5	21·4	19	7·0	99·7	−133·2	43·2	19	6	−5·1	13·3	11·6	+3·9	0	14	0	0	14	0	1	0	0	0	0
Sambalpur .	39·7	+3·3	47·1	12,13	25·8	−1·1	21·8	27	0·8	113·0	− 43·3	71·2	27	4	−6·7	7·5	6 7	+2·1	0	7	0	0	0	0	0	0	0	0	0
Angul . .	38·8	+3·3	44 1	11	26·5	+0·4	22·2	27	17·0	39·4	−177 5	14·0	25	4	−7·6	13·1	(c) 12 1	+3 7	0	5	0	0	11	0	0	0	0	0	0
Chandbali .	37·1	+2·7	44·9	11	26·7	+0·2	24·0	28	133·2	145·4	−76·6	56·4	20	6	−5·3	12·9	10·3	−2·6	1	8	0	1	2	0	0	0	0	0	0
Bolangir .	38·7	..	44·7	2	27·4	..	21·5	25	0	136·8	..	55·2	25	7	..	7·1	10·9	..	0	7	0	0	10	0	0	0	0	0	0
Phulbani .	35·6	..	42·0	2	24·7	..	21·9	25	36·4	156·4	..	51·2	28	7	..	11·5	6·1	..	1	7	0	0	10	0	0	0	0	0	0
Cuttack .	38·5	+3·2	44.8	11,12	26·5	+0·1	23·4	6	20·6	99 5	−153·2	28 3	25	9	−2 4	9·9	8·7	+3·9	0	10	0	0	2	0	0	0	0	0	0
Titlagarh .	38·1	..	44·0	2	26.9	..	21·8	25	7·6	161·2	..	76 0	25	6	..	7·8	6·8	..	0	7	0	0	0	1	0	0	0	0	0
Bhubaneswar .	38 3	+3·0	45.5	11	27·0	+0·6	23·3	20	9·8	51·0	−171·5	26·2	29	4	−8·4	19·3	17.7	−1·4	1	10	0	0	12	0	0	0	2	1	0
Puri .	33·1	+1·4	44.2	12	26·9	−0·3	21·8	3	15·0	30·2	−159·3	9·4	3	4	−4·1	25·7	26·6	+7·1	0	5	0	0	0	0	0	0	0	0	0
Gopalpur .	33 8	+1.7	44·0	12	27·8	+1·0	24·4	7	2·8	26 4	−112·3	9·0	6	3	−4·6	20·8	17·7	+0·6	0	7	0	0	2	0	0	0	0	1	0
Koraput	30·6	+0·2	37·6	1	20·3	−2·0	17·5	27,28	70·5	239·6	+23·3	67·0	18	11	+1·7	..	..	..	0	15	0	0	9	0	1	0	0	0	0
Bihar Plateau																													
Dumka .	37·8	+3·3	43·5	5,6	27·2	+1·4	21·9	1	76·1	107·9	−146·1	56·0	26	5	−6·9	15·4	8·2	+3·7	2	10	0	0	1	0	0	0	0	0	0
Daltonganj .	41·0	+3·1	44·6	3	28·1	+0·9	23·4	28	23·1	42·8	+110·1	18·2	25	4	−4 2	11 3	8·4	+4·0	0	6	0	0	0	0	0	0	0	0	0
Hazaribagh .	37•2	+3·3	41·9	3	26·2	+1·7	21·2	23	52·2	88·8	−122 8	45·4	27	6	−4·7	12·9	11·4	+0·5	1	6	0	0	0	0	0	0	0	0	0
Dhanbad .	38•9	..	44·5	12,13	27·4	..	23·3	23	22·8	45·9	..	20·0	27	4	..	(f) 8·5	7 6	..	0	7	0	0	0	0	0	0	0	0	0
Ranchi . .	38·4	+5•	40·9	1	24·6	+0·5	23·7	19,20	20·5	67·6	−150 6	18·0	28	7	−4·4	10·0	7·5	−1·4	0	7	0	0	0	0	0	0	0	0	0
Ranchi (Aerodrome.)	36·6	..	40·6	15	25·3	..	21·6	28	42·2	84·3	..	20·2	26	8	..	17 4	13·7	..	0	11	0	0	12	0	0	0	0	0	0
Jamshedpur .	38 8	+2·7	44·3	12	28·4	+1·7	23·3	23	107·7	176·7	−14·0	46·6	23	11	+0·3	10 6	8·5	+1·1	0	12	0	0	3	0	4	0	0	3	0
Jameshdpur (P.B.O.)	38•8	..	44·4	11	27 1	..	22·5	23	60·6	179·8	..	55·6	26	9	.	11·4	8·2	..	1	11	0	0	15	0	0	0	0	1	0
Chaibasa .	38·8	+2·7	44 3	11	26·9	+0·7	21·7	20	45·4	80·8	−117·1	33·6	23	7	−3·7	8·5	6·4	+2·1	0	11	0	0	10	0	0	0	0	0	0
Bihar Plains																													
Motihari .	36·9	+2·7	41·5	14	23·6	−1·8	18·9	22	34·9	135·5	−85·7	78·4	22	7	−2·4	(d) 8·4	(c) 7·1	−0·6	0	7	0	0	2	0	0	0	0	0	0
Forbesganj .	33.8	..	40·0	9	24·3	..	20 8	15	42·6	244·4	..	106·2	15	11	..	12·3	10·0	..	0	12	0	0	9	0	0	0	0	0	0
Darbhanga .	36·5	+2·7	40·2	13	25·4	−0·4	21·4	14	48·7	67·3	−125·2	24·2	17	7	−1·8	8 0	9 4	+2·5	0	7	0	0	1	0	0	0	0	0	0
Muzaffarpur .	..	..	..	..	..	..	..	..	..	67·0	−128·6	47·2	25	5	−3·1	..	..	..	0	5	0	0	0	0	0	0	0	0	0
Chapra . .	40·5	..	44·8	14	27·8	..	23·0	23	55·8	60·2	−90·4	55·8	29	1	−6·2	7·4	7·0	..	0	3	0	0	1	0	0	0	0	0	0
Purnea . .	35·7	+2·7	41·2	7	23·5	−1·7	20·4	15	60 8	87·0	−172·8	28·6	29	8	−3·8	9·3	7·9	+3·1	0	9	0	0	0	0	0	0	0	0	0
Patna . .	39·6	+3·9	44·2	14	26·7	+0·1	23·6	22	5·2	31 6	−149·8	19 4	22	3	−5 0	8·7	9·5	+1·5	0	4	0	0	0	0	0	0	0	0	0
Patna Aerodrome.	39.6	..	44·2	14	26·8	..	24·6	23	0 7	14·7	..	12·6	23	1	..	11·9	10·0	..	1	3	0	0	4	0	0	0	0	0	0
Arrah (R) .																													
Bhagalpur .	38·0	+2·7	43·2	4	27·4	+1·0	25·2	24,25	43·6	83·8	−123·8	40·1	28	4	−4·7	12·5	10·2	+2 0	0	5	0	0	5	0	0	0	0	0	0
Sabaur .	37·8	+3·1	43·0	13	27·1	+0·9	25·0	29	20·4	47.4	−109·6	24·6	28	4	−3·8	12·2	10·8	+1·6	0	6	0	0	6	0	0	0	0	1	0
Jamui . .	40·0	..	45·1	4	28·5	..	24·8	23	69·2	81·8	..	28·0	23	4	..	(c) 9·6	(d) 7·1	..	0	4	0	0	0	0	0	0	0	0	0
Dehri . .	41·3	..	45·3	4	30·2	..	24·6	28	32.4	95·5	−40·9	60·0	28	3	−3·9	11·1	8·1	..	0	3	0	0	0	0	0	0	0	0	0
Gaya . .	41·3	+3·8	46·2	4	29·7	+2·3	24·2	28	1·2	70·1	−93·7	57·1	28	3	−4·5	14·7	11·9	+2·1	0	5	0	0	4	0	1	0	0	1	0
Uttar Pradesh (East)																													
Kheri (R) .																													
Bahraich .	41·1	+4·0	45·3	14	27·8	+1·1	21·6	25	0·4	27·6	−129·9	21·1	25	2	−4·1	12·8	10·4	+4·9	0	4	0	0	0	0	0	0	0	0	0

(c) Mean of 28 days. (d) Mean of 27 days. (f) Mean of 25 days. (e) Mean of 26days. (R) Register not received.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainydays (2·5mm. or more)		Wind speed, kms. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0·2mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Uttar Pradesh (East)—(Contd.)																														
Nautanwa	38·7	..	43·4	18	25·9	..	20.8	29	36.0	145.0	..	54.8	29	6	..	..	..	..	0	7	0	0	0	0	0	0	0	0	0
Hardoi	42·1	+2·5	44·0	4 days	26.9	—0·7	22·0	9	4.2	20.2	−104·1	16.0	26	2	—2.1	13·7	10·1	+2·7	0	2	0	0	0	0	2	0	0	0	0
Gonda	40·9	+4·3	45·2	14	27·1	+0·4	23·8	22	36.6	54.4	−131·3	36.6	28	2	−6.3	10·8	8·7	+0·7	0	3	0	0	0	0	0	0	0	0	0
Lucknow	41·4	+3·5	53·0	14	28·4	+0·8	24·7	25	0	2.5	−110·8	2.5	25	1	—4.5	6.2	3·8	+0·4	0	1	0	0	3	0	3	0	0	0	0
Lucknow (Amausi).	42.3	+4·4	44·8	14	28·5	+1.3	24·4	7	0	0	−113·3	0	..	0	−5·5	17·2	12·6	..	0	0	0	0	5	0	3	0	0	0	0
Faizabad	49·6	..	44·7	18	27 0	..	24·5	7	8.2	10.8	..	6.2	28	1	..	5·4	3·8	..	0	4	0	0	2	0	0	0	0	0	0
Gorakhpur	40.3	+4·2	44.6	14	27·7	+1·5	22·7	22	7.3	92.6	−99·2	72.0	22	2	−6·3	8.6	7.6	+3.1	0	4	0	0	0	0	0	0	0	0	0
Kanpur	42·6	+3·3	45·1	15	30·2	+1·9	23·7	26	0	12.2	−68·8	2.2	26	1	−3·5	..	..	..	0	1	0	0	0	0	2	0	0	0	0
Kanpur (Aerodrome).	43·3	..	45·8	15	30.1	..	24·9	6	0.1	6.3	..	6.2	26	1	..	..	..	..	1	1	0	0	4	0	7	0	8	0	0
Sultanpur	40·7	..	45.2	5	28·1	..	23·9	25	0	10.4	..	10.4	25	1	..	9·4	6·7	..	0	1	0	0	2	0	0	0	0	0	0
Azamgarh	41·6	..	45.4	14,15	27·3	..	23·4	22	0	7.4	..	5.4	21	1	..	..	..	..	0	2	0	0	0	0	0	0	0	0	0
Fatehpur	43·3	+3·9	45·6	15	29·7	+1·4	25·2	7	0	3.3	—84·1	3.3	22	1	−6·8	18.7	11·4	+4·2	0	1	0	0	2	0	1	0	0	0	0
Ballia	40·9	..	45·6	15	24·1	..	19·1	22	2.6	10.2	..	7.6	24	2	..	7·8	6·4	..	0	2	0	0	0	0	0	0	0	0	0
Banda	43·3	..	46·0	15,16	30·0	..	24·0	23	2.5	21.9	..	20.9	23	1	..	9·9	5·1	..	0	2	0	0	0	0	0	0	0	0	0
Allahabad (Bamrauli)	43·3	+4·0	45·6	4	30·3	+2·0	25·1	6	2.2	7.3	−120·7	4.6	26	1	−3·3	11·7	8·2	—0·3	0	3	0	0	2	0	2	0	0	1	0
Varanasi (Babatpur).	41·9	+3·1	45·1	4	29·6	+1·3	25·2	6	0.8	4.0	−97·6	3.0	25	1	−3·4	17·1	13·9	+1·8	1	2	0	0	2	0	2	2	0	0	0
Varanasi	42·0	+3·7	45·3	4	28·7	+0·9	24.2	1	0	1.0	−114.8	1.0	27	0	−6·0	10·0	8·8	+2·4	0	1	0	0	0	0	0	0	0	0	0
Uttar Pradesh (West)																														
Mukhim	27.5	..	30.7	16	17·3	..	10·8	6	51.6	97.9	..	27.4	29	6	..	..	..	..	1	9	0	1	3	0	0	0	0	0	0
Tehri	39.0	..	42.0	16	22.5	..	16.4	7	3.0	24.8	..	15.8	23	3	..	6.0	4.6	..	0	5	0	0	8	0	2	0	0	0	0
Dehra Dun	38·1	+3·8	41·0	15	22·6	+0·8	16·1	7	2.8	8.0	—209·2	8.0	22	1	—8·4	5·9	3·8	—0·7	0	1	0	0	2	0	0	0	0	0	0
Mansiari	24.1	..	27·7	17	16.9	..	..	..	..	195.2	—	46.1	29	11	..	..	..	..	0	15	0	0	0	0	0	0	0	0	0
Roorkee	41·5	+3·6	46·1	14	24·1	−1·9	20·6	1,2	0	0	—114·3	0	..	0	−5·4	10.9	7·9	—2·8	0	0	0	0	0	0	0	0	0	0	0
Najibabad																														
Meerut	41·2	+2·7	44·0	15	27·1	+0·1	21.3	7	..	4.0	—82·4	4.0	7	1	−3·1	..	10·9	..	0	1	0	0	1	0	0	0	0	0	0
Bareilly	42·6	+4·7	45·3	17	28·8	+1·9	24.1	7	0	4.4	—128·4	3.2	26	1	−4·4	14·8	10.7	+6·0	0	2	0	0	0	0	1	0	0	0	0
Aligarh	40·1	+1·1	42·4	16,21	28·6	+0·5	22.5	7	0	1.0	—135·9	0.6	7	0	−4·6	20.0	14.1	+5·1	0	2	0	0	1	0	1	0	0	0	0
Mainpuri	43·7	+3·3	46·0	18	28.7	+0.5	23.4	4	0	6.4	−60·7	6.4	23	1	—2·8	10·9	6.2	+1.7	0	1	0	0	0	0	2	0	0	0	0
Agra	43·0	+3.0	45·4	15,20	30·7	+2.1	25·0	6.7	0	6.0	−56·0	6.0	23	1	−2·8	7·0	5·9	—3·1	0	1	0	0	0	0	0	0	0	0	0
Agra (Aerodrome).	43·7	..	45·8	16	29·4	..	23.7	7	3.5	16.1	..	10.6	23	1	..	27.0	17.1	..	0	4	0	0	4	0	3	0	0	0	0
Orai	42.8	..	45.4	15,16	30.4	..	24.4	23	4.0	24.0	..	20.0	23	2	..	..	..	..	0	2	0	0	0	0	0	0	0	0	0
Jhansi	42.5	+2·5	45·1	2	30·9	+1·7	27·0	6	0	0	−105·9	0	..	0	−5·5	9·6	8·7	+0·7	0	0	0	0	0	0	0	0	0	0	0
Punjab (Including Delhi)																														
Pathankot	41·8	+0.9	44·6	21	24·0	−2·1	19·8	23	0	11.2	−46.4	6.0	30	2	−1·4	..	..	..	0	2	0	0	5	0	3	0	0	0	0
Bhunter	34.2	—	37·0	17,28	14·8	..	10·3	7	2.3	6.8	..	4.0	5	1	..	11.1	7.7	..	0	4	0	0	8	0	0	0	0	0	0
Amritsar (Rajsausi)	41·0	+1·3	44.4	14,21	24.5	−0·8	16.6	5	0	0	—27.2	0	..	0	−1·9	10·1	8 8	+2.8	0	0	0	0	3	0	7	0	0	7	0
Adampur (Aerodrome.)	41·7	—	44·5	21	24.3	..	20.3	7	0	0	..	0	..	0	..	..	..	..	0	0	0	0	1	0	4	0	0	0	0
Ludhiana	43·7	+3·3	46·6	21	26·6	—0·6	20.0	18,19, 20	0	0	—57·9	0	..	0	−3·5	9·0	5·4	+1·5	0	0	0	0	0	0	4	0	0	0	0
Ferozepore	41·4	..	44·2	4	26.5	..	21.7	7	8.2	8.3	..	8.3	5	1	..	4.6	3·3	..	0	0	0	0	1	0	1	0	0	0	0
Halwara (Aerodrome).	40·7	..	42·7	14,20	25·0	..	21·4	7,8	0	2.7	..	2.7	24	1	..	..	..	..	0	1	0	0	2	0	1	0	0	0	0
Chandigarh	41·1	+1·6	43·5	15	27.6	+1·2	24·7	23	0	2.4	−59·3	2.4	22	0	-3·0	..	..	..	0	1	0	0	0	0	0	0	0	0	0
Ambala	41·6	+2.0	44·8	19	27.6	−0·5	22·2	7	0	0	−77·2	0	..	0	−4·4	9·1	9·4	+3·1	0	1	0	0	0	0	0	0	0	0	0
Ambala (Aerodrome).	41.5	..	43·6	19	27.4	..	21·7	7	0	0	..	0	..	0	..	..	..	..	0	0	0	0	2	0	2	0	0	0	0
Patiala	42·3	..	44·7	19	26.6	..	22·3	6	0	3.0	−27·0	3.0	24	1	—1.0	12·6	10·3	..	0	1	0	0	1	0	0	0	0	0	0
Bhatinda	42·1	..	44·4	7 days	27.6	..	21·4	5	0	4·0	..	4·0	5	1	..	10·3	7·1	..	0	1	0	0	0	0	0	0	0	0	0
Karnal	41·4	..	43·5	15,18, 21	..	..	..	..	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Hissar	42·2	+1·3	44·4	19	29.0	+1·1	22·9	7	0	0	−32·0	0	..	0	—2·9	16.2	12·8	+3·3	0	0	0	0	3	0	2	0	0	0	0
New Delhi (Safdarjang)	40·8	+0·6	43·0	18.21	29·2	+0·5	23·3	7	0.4	3.0	—74·0	2.6	17	1	−3·2	31·6	24·4	+9·6	0	2	0	0	3	0	3	0	0	5	0
Palam (Aerodrome).	41·8	..	44·1	15	28·1	..	22·5	7	16.0	18.7	..	13.5	4	2	..	..	..	..	0	2	0	0	2	0	2	0	0	4	0
Himachal Pradesh.																														
Mandi	38·0	+1·5	40·9	4,21	19·1	−1·8	16·7	29	5·5	75·6	−33 0	66.7	29	3	−4·0	3·4	2.4	—1·1	0	5	0	0	6	0	0	0	0	0	0
Bilaspur	38·9	..	41·2	14,15, 21	..	..	..	..	0	33.5	..	22.5	23	3	..	..	..	..	0	3	0	0	3	0	2	0	0	0	0

(R) Register not received.

Sub-Division and Station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed kms. per hour			Weather phenomena—No. of days with											
	Mean Maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal.	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 or 0·2 mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Jammu and Kashmir																														
Misgar (R)																														
Gilgit (R)																														
Skardu (R)																														
Dras	..	.	..	.	..	..	..	..	..	0	—17·3	0	..	0	—2·0	..	..	..	..	..	.	..	0	0	..	..		..	..
Sonamarg(R)								..	..	0·2	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Leh	22·2 (b)	+0·4	24·7	22	5·1	—1·7	1·1	6	0	6·2	+1·6	6.2	5	1	+0·3	[illegible]	[illegible]	[illegible]·6	0	1	0	0	0	0	0	0	0	0	0
Srinagar	27·8	—1·9	32·1	21	13·5	—0·6	10·1	6	18·7	20·5	15·1	12·2	6	2	—1·4	4·5	4·2	0	0	5	0	0	1	0	0	0	0	0	0
Srinagar (Aerodrome).	26·6 (b)	..	32·0	22	14.0	..	10·0	6	20.0	21·3	..	11·6	6	3	.	..	..	..	0	5	0	0	8	0	0	0	0	0	0
Gulmarg	19.2	—0.7	26.2	29	5·5	—1.8	1.8	7	39.4	51.6	—38.6	19.9	7	6	—1.8	10.0	6.8	+8.2	1	9	0	0	8	3	0	0	0	0	0
Qazigund	26·8	..	33.9	21	12.7	..	8·9	6	31·0	58.9	..	24.2	6	4	..	1·3	1·3	..	0	5	0	0	8	0	0	0	0	0	0
Banihal	28·7	..	32·6	30	13.5	..	8·9	7	25·5	38.5	..	15·8	7	4	..	..	..	..	0	5	0	0	6	0	0	0	0	0	0
Jammu	42·1	+2.9	45·4	30	26·2	—1·9	20.7	8	0	5.8	—63·5	5.8	23	1	—2·7	9.1	7·3	..	0	1	0	0	0	0	0	0	0	0	0
Jammu (Aerodrome).	40·9	..	45·0	27	25.8	..	21.3	7	0	12.7	..	12.7	23	1	..	..	..	..	0	1	0	0	3	0	3	0	0	0	0
Rajasthan (West)																														
Ganganagar	42·5	—0·2	45·9	19	37.9	—1·0	20.3	5	0	13.2	—7·9	8·1	5	2	+0·8	11.3	7·5	—1·1	1	2	0	0	4	0	0	0	0	0	0
Anupgarh (R)																														
Mahajan	42·8	..	46·0	2,3	28.4	..	16.7	18	..	..	..	..	—	..	..	16.2 (k)	17.2 (m)	..	0	..	..	..	..	..	..	0	0	0	0
Churu	41·6	..	44·2	19	29.0	..	21·4	6	8.2	14.3	..	5.0	11	3	..	25·4	19.8	..	0	6	0	0	8	0	2	0	0	0	0
Bikaner	42·1	+0·8	44·6	2	28.2	—1.1	21·1	5	0	12.4	—18·3	7.4	5	2	—0·2	20·9	17·8	+5.7	0	2	0	0	4	0	0	0	0	0	0
Nagaur	41·1	..	43·3	2	27·4	..	20.7	6	0	14.0	..	11.0	6	2	..	18.2	18·0	..	0	2	0	0	3	0	0	0	0	0	0
Phalodi	41·3	..	43·1	21	25.6	..	21.3	5	0	10.0	—16·2	10.0	5	1	—0·7	32·4	27.8	..	0	1	0	0	0	0	0	0	0	0	0
Jaisalmer	40·8	..	43·5	2,19	24.5	..	21.8	5	0	0	..	0	..	0	..	29·8	29·7	..	0	0	0	0	0	0	0	0	0	0	0
Jodhpur	40·2	+0·4	42·0	25,17, 21	27·5	—0·4	22·0	2	0	7.6	—28·5	6.8	18	1	—1·1	23·4	20·5	+0·2 *	0	2	0	0	4	0	1	0	0	2	0
Barmer	40·8	+1·1	43·0	2,17	26·2	—0·6	24·9	29	0	0	—27·0	0	0	1	—1·5	16·5	14.9	+1·7	0	0	0	0	0	0	0	0	0	0	0
Erinpura (Jawai Dam).	39·1	..	41·1	17	27·0	..	25·9	27,28	0	0	..	0	..	0	..	11·5	10.2	..	0	0	0		0	0	0	0	0	0	0
Munabao	40.8	..	44.0	19,20	26.5	..	24.4	1	..	0	..	..	0	0	..	25.8	22.2	..	0	0	0	0	0	0	0	0	0	0	0
Rajasthan (East)																														
Pilani	40.9	..	43.0	19,21, 22	27.7	..	20.5	5,6,7	0	4.6	..	4.3	7	1	..	28.8	23.1	..	0	2	0	0	0	0	1	0	0	0	0
Sikar	39·4	..	42·3	2	26·5	..	18.6	6	16.3	35.2	..	16.3	11	3	..	..	..	..	0	4	0	0	0	0	0	0	0	0	0
Alwar	41·9	..	43·6	14	31·3	..	25.2	6,7	0	0	..	0	..	0	..	6·3	6·1	..	0	0	0	0	2	0	0	0	0	0	0
Jaipur (Sangner)	40·0	+0·7	42·1	14,18	27·5	+0·6	21·8	6	17.4	19.2	—37·2	17.2	19	1	—2·9	..	..	..	0	4	0	0	7	0	5	0	0	3	0
Dholpur	43·7	..	45·9	1	30.8	..	25·2	5	1.8	4.0	..	2.2	5	0	..	17.7	12·3	..	1	2	0	0	1	0	0	0	0	0	0
Ajmer	39·1	+1·1	41·6	2	27.1	—0·6	20.1	6	0	7.0	—54·7	4.0	6	2	—0·7	20·1	19·4	+7·7	0	2	0	0	3	0	1	0	0	0	0
Tonk	41·7	..	43·7	3,20	31·6	..	21.1	6	0	5.4	..	4.3	6	1	..	19.6	14.0	..	0	2	0	0	3	0	0	0	0	0	0
Bhilwara	40·4	..	43·3	1	26·8	..	23.4	6,7	7.2	9.3	..	5.1	20	1	..	15.2	13·1	..	0	3	0	0	0	0	2	0	0	0	0
Kota (Aerodrome).	41·3	+0.9	44·4	2,3	30·3	..	17.0	21	0	29.2	—37.9	25.5	21	2	..	13.0	12·3	..	0	2	0	0	2	0	2	0	0	0	0
Kota	41·6	..	44·0	2	29·9	+0·8	24·3	21	0	19.0	..	10·2	21	2	—2·1	20·0	19·8	+4·3	0	3	0	0	3	0	1	0	0	0	0
Chambal (Rawat Bhatta Dam).	40·1	..	43·0	2	28·3	..	21.6	21	4.9	65.1	..	47.2	21	4	..	15.7	14·1	..	0	6	0	0	0	0	0	0	0	1	0
Udaipur	37·1	+0·5	40·0	2	25·7	—0·4	24.3	6	0	0.1	—77·1	0.1	13	0	—4·6	9.4	7·7	..	1	0	0	0	0	0	0	0	0	0	0
Jhalawar	40·4	+1·7	43·2	2	27·9	+0·6	17·5	5	6.8	23.0	—89·8	11.4	21	3	—4·1	17·2	16·1	+6·0	0	5	0	0	0	0	0	0	0	0	0
Banswara	38.6	..	40.8	2	11.4	..	9.0	28	0	0	..	0	..	0	..	18.0	17.0	..	0	0	0	0	0	0	0	0	0	0	0
Madhya Pradesh (West)																														
Gwalior	42·8	+1.6	45·0	15	31.2	+0·9	24.2	6	4.4	4.9	—41·2	2.5	6	1	—2·8	21·5	16.4	..	1	4	0	0	5	0	0	0	0	0	0
Sheopur	41·7	+1.3	44·6	2	28.2	+0·3	22·5	6	1.0	8.4	—62·2	2.2	5,21	0	—4·3	18.5	13·8	+3.6	0	4	0	0	2	0	0	0	0	0	0
Shivpuri	39·9	..	43·3	1	26.2	..	22.7	6	7.4	15.0	..	6.2	18, 21	2	..	12.9	13·6	..	0	5	0	0	0	0	0	0	0	0	0
Nowgong	42·1	+2·8	45·2	15	29.0	+0·8	22.9	7	4.8	24.8	—113·4	10.4	23	3	—3·1	12.7	9·8	+4·0	0	5	0	0	3	0	1	0	0	0	0
Guna	39·9	+2.0	42·4	3,4	28·0	+1·8	24·1	17,20	16.4	32.7	—120·5	29.1	17	2	—5·2	22.2	18.1	..	0	3	0	0	3	0	0	0	0	0	0
Nimach	38·0	+1.1	40·0	2	26·5	+1·1	24·1	21	0	25.0	—82·4	25.0	21	1	—3·8	23.1	21.2	+6·1	0	1	0	0	0	0	0	0	0	0	0
Rajgarh	39·8	..	42·5	3,4	28.1	..	25·4	21	11.3	15.7	..	8.3	19	3	..	22·1	18.6	..	0	4	0	0	0	0	0	0	0	0	0
Sagar	38·8	+2.1	41·4	1	25·5	+0·2	22·7	3	30.4	58.4	—98·6	22.0	18	7	—1·1	19.0	14.0	..	0	11	0	0	1	0	0	0	0	0	0
Ratlam	37·6	+1·5	39·2	2	25·2	..	24·2	28	0	0	—95·5	0	..	0	—4·7	19.4	19·6	+6·1	0	0	0	0	0	0	0	0	0	0	0
Bhopal (Bairagarh)	38·2	+1·7	40·7	3	25·8	+0·8	19.9	22	10.7	45.7	—127·8	20.9	22	3	—6·4	21.7	22.2	+8·0	0	5	0	0	7	0	0	0	0	2	0
Ujjain	37·5	..	39·6	1	25.5	..	23·6	21	0	54.4	..	44.4	21	2	..	24.2	25·4	..	0	2	0	0	1	0	0	0	0	0	0
Nasinghpur	39·4	..	42·4	1	26.1	..	20.6	11	10.0	95.8	..	50·8	19	5	..	26.4	8.1	..	0	6	0	0	2	0	0	0	0	0	0

(R) Register not received. (a) Mean of 30 days. (b) Mean of 29 days. (c) Mean of 20 days. (m) Mean of 18 days.

* Departure indicated relates to 1940 normal. (k) Mean of 20 days. (p) Mean of 15 days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days, (2.5 mm. or more)		Wind speed, kms. per hour			Weather phenomena—No. of days with											
	Mean Maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2mm)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Madhya Pradesh (West)— *Contd.)*																														
Hoshangabad.	39·5	+2·4	42·2	4	27·8	+1·3	23·2	22,23	16·2	31·2	—117·9	9·2	18	5	—3·2	13.7	9·5	+3·2	0	6	0	0	1	0	0	0	0	0	0
Indore . .	37·2	+1·4	39·4	2	25·2	+1·1	21·6	16	32·5	33·9	—113.4	33·7	16	1	—6·3	30.5	28·5	..	1	1	0	0	5	0	0	0	0	1	0
Rajpur (Jhabua).	37·1	..	38·5	3	24·9	..	24·0	23	0	0	..	0	..	0	..	21.9	20·9	..	0	0	0	0	0	0	0	0	0	0	0
Chhindwara .	36·2	+1·2	40·2	4	24·6	—0·1	21·2	25	58·2	174·4	+25·8	40·8	19	10	+0·3	15.0	10·2	+0·9	0	14	0	0	16	0	0	0	0	0	0
Seoni . .	36·9	+1·8	41·8	4	24·4	+0·3	21·2	26	115·2	127.2	—90·2	38.2	18	11	—0·1	11.2	8·3	+1·2	1	13	0	0	14	0	0	0	0	0	0
Betul . .	35·6	+0·7	39·2	4	24·0	—0·4	20·9	15	12·2	94.2	—40·8	34·3	11	6	—2·2	11.0	8·0	—0·4	0	8	0	0	6	0	1	0	0	0	0
Khandwa .	85·5	+1·4	41·2	2	26·7	+0·7	22·6	22	30.8	94·8	—47·4	31·6	22	5	—2·0	19.9	17·7	+4·5	0	7	0	0	2	0	1	0	0	0	0
Madhya Pradesh (East)																														
Satna . .	41·9	+3·8	44·4	3,15	29·1	+1·4	22·9	22	0	16·5	—124·2	8·8	24	2	—4·3	14.4	11·7	+2·5	0	3	0	0	8	0	0	0	0	0	0
Rewa . .	41·5	..	44·4	3	28·1	..	22·5	22	0	49·7	..	29·6	22	2	..	10.9	7·9	..	0	2	0	0	0	0	0	0	0	1	0
Sidhi . .	41·6	..	44·4	5	29·0	..	25·5	22	6·0	8·4	..	6·0	22	1	..	12.7	(b) 9·8	..	0	2	0	0	0	0	0	0	0	0	0
Umaria .	39.7	+3·1	43.3	2	28·0	+1·6	22·0	25	6·2	107·3	—73·5	59·5	25	7	—3·0	12.0	10.0	+2.9	1	9	0	0	2	0	4	0	0	0	0
Jabalpur .	39·5	+2·8	42·4	1,5	27·5	+1·6	21·0	23	46·5	162·2	+16·4	82·8	23	5	—3·8	13·4	9·4	+3·6	1	11	0	0	10	0	0	0	0	1	0
Ambikapur .	37·1	+1·3	42·2	5	25·4	+0·3	20·7	19	82·8	190·0	+47·0	94·2	19	5	—4·6	..	..	..	0	5	0	0	2	0	0	0	0	0	0
Joshpur nagar	35·2	..	40·0	5	23·0	..	20·7	26,27	59·7	127·7	..	27·5	27	7	—	12.0	9·2	..	0	11	0	0	0	0	0	0	0	0	0
Pendra . .	37·0	+3·4	41·0	15	26·2	+1·9	21·7	25	46·7	70·9	—130·5	27·1	25	5	—6·7	14.0	12·0	..	0	10	0	0	18	0	0	0	0	0	0
Mandla .	38·7	+1·2	42·5	13	25·1	—0·2	21·0	7	10.6	76·8	—54·9	31·0	25	5	—3·7	9.0	6·1	+0·3	0	10	0	0	10	0	0	0	0	0	0
Champa	39·7	+1·1	45·2	2	26·5	—1·2	21·9	6	2·8	100·4	—55·7	45·4	25	7	—1·6	12·7	10·6	+1·4	2	8	0	0	12	0	1	0	0	0	0
Raigarh .	39·3	+0·7	45·0	5,11	27·1	—0·6	22·4	27	15·7	66·1	—101·6	21·4	25	7	—1·5	9.8	7·8	—0·5	0	9	0	0	2	0	0	0	0	0	0
Raipur . .	38·5	+1·9	44·5	1	26·5	+0·3	22·3	29	64.9	165·6	—64·5	51·6	20	8	—1·7	14.2	12·8	—0·6	0	13	0	0	15	0	0	0	0	0	0
Kanker . .	35·9	+1·0	42·3	1	27·0	+1·5	22·2	24	12·0	92·6	—17·6	34·6	23	7	—3·3	16·1	12·6	+4·1	0	11	0	0	12	0	0	0	0	0	0
Jagdalpur .	34·3	+1·1	42·7	1	24·2	+0·5	20·0	27	74·3	216·2	—29·4	77·3	27	12	+0·7	8·8	6·5	..	0	20	0	0	14	0	0	0	0	3	0
Gujarat Region (Including Daman Dadra & Nagar Haveli)																														
Deesa . .	39·1	..	41·0	17,20	25·4	..	23·8	1,2	0	0	..	0	..	0	..	17·8	16·4	..	0	0	0	0	0	0	0	0	0	0	0
Radhanpur .	39·2	..	41·3	20	26·8	..	25·3	1	0	0	..	0	..	0	..	18·1	15·0	..	0	0	0	0	0	0	0	0	0	0	0
Idar . .	38·8	..	40·9	2	26·3	..	24·8	6	0	3·0	..	3·0	6	1	..	15·2	12·4	—1·6	0	1	0	0	2	0	0	0	0	0	0
Ahmedabad .	39·8	+1·0	42·1	3	27·3	+0·2	23·9	6	0	19·9	—73.1	16·0	6	2	—2·7	10·4	9·7	+3·6	0	2	0	0	3	0	1	0	0	1	0
Dohad . .	37·2	+1·1	39.0	2,3	25·4	—0·3	24·1	3	0	0	—108·2	0	..	0	—4·8	33·2	32·9	..	0	0	0	0	0	0	0	0	0	0	0
Vallabh Vidyanagar	38·5	..	39·6	2,3	27·1	..	25·1	2	14·8	16·6	..	9·6	28	2	..	14·6	13·5	..	1	4	0	0	0	0	0	0	0	0	0
Baroda (Aerodrome)	38·1	..	39·9	3	27·5	..	25·6	3	0	0	..	0	..	0	..	16·5	17·3	—4·1	0	0	0	0	0	0	0	0	0	0	0
Baroda . .	38·6	+1·4	40·3	3	28·0	+1·0	26·2	2,3	0	0	—99·3	0	..	0	—4·3	7·8	5·6	—8·1	0	0	0	0	0	0	0	0	0	0	0
Broach . .	37·0	+1·6	37·9	16,17	27·4	+0·5	25·8	3	0	0	—154·2	0	..	0	—7·4	6·1	4·0	..	0	0	0	0	0	0	0	0	0	0	0
Surat . .	34·7	+0·9	35·6	14,20	27·7	+1·1	26·8	2,3	0·4	2·4	—21·5	2·0	29	0	—8·0	18·7	15·3	+3·4	0	2	0	0	0	0	0	0	0	0	0
Saurashtra and Kutch (Including) Div																														
Naliya . .	33·5	..	34·4	8,19	26·6	..	25·2	1	0	0	..	0	..	0	..	31·9	26·1	..	0	0	0	0		0	0	0	0	0	0
Bhuj (Rudramata)	36·3	—0.5	37·3	12	26·7	0	25·5	1	0	0	—35·1	0	..	0	—1·9	30·7	25·1	+3·4	0	0	0	0	0	0	0	0	0	0	0
Kandla (Aerodrome)	36·9	..	38·1	2	26·8	..	25·4	1	0	0·4	..	0·4	23	0	..	40·5	34·3	..	0	1	0	0	0	0	0	0	0	0	0
New Kandla .	34·9	..	36·9	8,10	27·3	..	26·3	27	0	0	..	0	..	0	..	39·0	34·4	..	0	0	0	0	0	0	0	0	0	0	0
Mandvi .	32·2	—0·8	32·8	8	28·0	—0·4	27·3	12	0	0	—27·2	0	..	0	—1·5	36·2	36·5	+3·7	0	0	0	0	0	0	2	0	0	0	0
Surendranagar	39·6	+0·5	42·0	17	27·2	0	25·7	2	0	0	—53·9	0	..	0	—3·7	20·3	20.1	+0·5	0	0	0	0	0	0	0	0	0	0	0
Okha . .	32·1	..	32·7	2	27·0	..	26·1	1	0·6	0·6	..	0·6	24	0	..	30·8	27·7	..	0	1	0	0	0	0	0	0	0	0	0
Jamnagar (Aerodrome)	36·1	+0·2	38·7	5	26·5	—0·4	23·4	28	0	0	—65·3	0	..	0	—3·0	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Dwarka .	31·7	—0·1	32·5	11,15	27·8	—0·2	27·0	2	0	0	—51·1	0	..	0	—2·3	23·6	24·5	+3·4	0	0	0	0	0	0	0	0	0	0	0
Rajkot . .	38·2	+0·5	40·4	2	25·8	—0·2	24·2	1	0	0	—93·0	0	..	0	—5·3	34·5	32·0	+3·9	0	0	0	0	3	0	0	0	0	0	0
Bhavnagar (Aerodrome)	38·9	+1·2	41·8	2	27·3	+0·5	24·8	3	0	0	—99·1	0	..	0	—4·7	31·0	30·2	+7·3	0	0	0	0	0	0	0	0	0	0	0
Porbander (Aerodrome)	32·4	+0·3	33·3	15	27·8	—0·2	26·9	1	0	0	—84·4	0	..	0	—4·2	25·4	21·7	..	0	0	0	0	0	0	0	0	0	0	0
Keshod .	34·9	..	36·0	9	26·7	..	25·6	2	0·2	0.6	..	0.4	24	0	..	36·1	29·1	..	1	1	0	0	0	0	0	0	0	0	0
Mahuva .	34·1	..	35·9	24	26·1	..	23·8	2	7·5	7.5	..	7·5	10	1	..	25·0	20·4	..	0	1	0	0	0	0	0	0	0	0	0
Veraval .	31·8	.	33·0	13	27·3	..	26·6	1	0·7	1·4	—117·0	0·4	23	0	—3·9	26·3	26·5	..	4	2	0	0	0	0	0	0	0	0	0
Konkan																														
Dahanu .	32.1	—0.2	33.4	8	26.6	+0.1	22.5	30	179.9	331.5	—137.9	136.2	16	12	0·0	23.6	20.5	+1.4	0	17	0	0	0	0	0	0	0	0	0
Bombay (Santa-Cruz)	32.2	+0·8	34·1	6	25·4	—0·5	23·0	16	192·7	582·0	+121·7	169·9	16	19	+4·3	19·6	16·1	..	1	22	0	0	10	0	0	0	0	2	0
Bombay .	32·1	+0·7	33·8	7	25·9	0·0	23·1	16	128·7	654·3	+107·2	249·4	16	17	+2·4	13·0	12·2	—2·9	1	21	0	0	4	0	0	0	0	14	0
Alibag . .	31·4	+0·8	36·2	4	25·4	—0·4	20·4	17	..	32·1	+167·1	110·0	16	15	—1·7	..	22·1	+2·0	0	24	0	0	0	0	0	0	0	0	0
Bhira . .	31·5	..	39·5	23	23.9	..	21·9	26	489·2	946·4	..	127·8	20	24	..	3·9	2·6	..	0	26	0	0	0	0	0	0		0	0

(b) Mean of 29 days (c) Mean of 28 days. (d) Mean or total 27 days. (e) Mean or Total 26 days,

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed, Kms. per hour			Weather phenomena—No. of days with											
	Mean Maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2 mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a	20(b	21	22	23	24	25	26	27	28	29
Konkan—(contd.)																														
Harnai	30.3	+0.5	32.4	6,7	26.1	+0.6	23·9	30	172·2	547·2	—129·8	121·0	14	16	—2.6	17.3	17.3	+1.6	0	21	0	0	0	0	0	0	0	0	0
Ratnagiri	30 6	..	34.2	6	24·8	..	..	..	209·8	589·2	—184·0	74·6	16	20	—0·5	18·3	16·3	..	2	23	0	0	0	0	0	0	0	0	0
Devgarh	30·1	—0.3	33·3	3,6	24·8	—0·6	22·4	16,22	272·0	712·4	+52·2	111·4	27	21	+1 0	21·5	19 6	—1·3	0	24	0	0	2	0	0	0	0	0	0
Vengurla	30 2	0·0	33·6	3	24·2	—0·4	22·1	16	320·0	1007·0	+73·6	131·7	26	24	+2 2	..	..	..	0	27	0	0	10	0	0	0	0	0	0
Panjim	30·2	..	34·2	3	24·4	..	21·8	10	349·5	977·4	..	168·7	16	21	..	14·2	13·2	..	0	26	0	0	11	0	0	0	0	0	0
Marmugao	29 5	..	32.7	4,5	24.3	..	22·0	14	488·8	962·0	..	181·8	16	19	..	(b) 18·3	(c) 18.5	..	2	23	0	0	7	0	0	0	0	0	0
Dabolim Naval Air station	29·8	..	33·3	2	24·7	..	22·0	16,17	454·0	920.5	..	145·7	17	21	..	11.9	10·4	..	0	25	0	0	7	0	0	0	0	17	0
Madhya Maharashtra																														
Nandurbar	37·5	..	41·4	5	25·5	..	24·1	24	3·6	6·6	..	3·6	24	2	..	17·6	16·6	..	0	2	0	0	0	0	0	0	0	0	0
Jalgaon	39·5	+1·5	41·9	3	26·6	+0·5	23·9	15	19·2	53·6	—75·9	34·8	15	3	—4·0	28·6	27·7	+6·6	0	4	0	0	7	0	0	0	0	0	0
Malegaon	36·6	+0 9	40·5	3	24·0	+0·1	21·9	9	44·8	99·6	—10·9	24·0	10	7	+0·3	15·7	15·7	+0·6	0	7	0	0	1	0	0	0	0	0	0
Ozar	33·6	..	37·8	4	22·7	..	21·0	29	(c) 22·1	(d) 30·1	..	..	..	..	..	(c) 27·8	(e) 24·5	..	..	..	0	0	0	0	0	0	0	0	0
Deolali (Aerodrome)	32·9	..	37·4	2,3,4	22·8	..	21·7	16,30	7·4	25·2	..	9·9	24	4	..	23·7	20·4	..	0	7	0	0	0	0	0	0	0	0	0
Ahmadnagar	34·9	+1·4	39·8	3	22·1	—0·1	20·8	6	8·8	22·6	—11·2	12·2	12	4	—3·5	14·4	11·0	—2·4	0	5	0	0	0	0	0	0	0	0	0
Khandala	..	..	..	..	..	..	..	..	..	804·0	—37·5	151·6	17	23	+2·7	..	..	..	0	25	..	..	..	..	..	..	..	..	..
Poona (Aerodrome)	32·1	..	37·2	3	22·1	..	20·8	26,27	11·7	12·7	..	4·6	15	2	..	..	..	..	0	6	0	0	0	0	0	0	0	0	0
Poona	32·2	+1·4	37·3	3	22·8	—0·1	21·0	6	19·4	25·6	—88·5	10·8	15	3	—4·3	18·5	14·8	..	1	7	0	0	0	0	0	0	0	0	0
Jeur	36·1	+1·2	41·2	2	22·6	—0 3	20·4	4	14·0	21·8	—67·0	8·4	30	2	—3·7	20·4	17·5	+0·2	0	8	0	0	3	0	0	0	0	0	0
Baramati	33·8	0	38·6	1	22·9	0	20·9	19	10·0	20·8	—66·9	6·0	20	5	—0·6	22·2	18·5	+2 2	0	5	0	0	0	0	1	0	0	0	0
Sholapur	34·8	—0·3	40·1	2	23·2	0	21·0	14	28·2	120·3	+7·5	42·4	14	9	+2·5	13·2	11·5	—4·1	0	14	0	0	4	0	0	0	0	0	0
Miraj	31·8	+0·6	77·6	2	22·0	—0·2	20·3	16	39·4	55.8	—13·0	27·8	9	5	—0 9	..	..	..	0	11	0	0	1	0	0	0	0	0	0
Kolhapur	30·2	+0·4	36·4	2	21·8	—0·4	20·4	16	56·3	97·4	—16·1	37·1	17	11	+3·2	23·0	18·1	—0·2	0	16	0	0	0	0	0	0	0	0	0
Marathwada																														
Aurangabad	35·8	+1·2	40·2	3	23·2	+0·4	21·8	24	10·7	96·3	—41·9	52·2	14	5	—2·7	22·8	23·2	+5·2	1	8	0	0	3	0	0	0	0	0	0
Aurangabad (Chikalthan)	35 7	..	39·2	3	23·2	..	20·7	16	6·4	105·4	..	91·0	14	3	..	22·3	20·2	..	0	8	0	0	5	0	0	0	0	0	0
Parbhani	37·2	+0·3	41·9	3	24·0	—0·6	21 0	26	29·0	166·8	+31·2	45·4	19	13	+5·1	16 0	13.9	—1·9	0	14	0	0	5	0	0	0	0	0	0
Nanded	37·6	..	43·0	3	23·4	..	18 0	12	47·8	187·9	..	75·4	15	10	..	(b) 17·7	(o) 11·9	..	0	12	0	0	0	0	0	0	0	0	0
Bir	36·9	..	40·9	2	24·1	..	21·6	25	9·0	98·1	..	28·4	25	9	..	12·6	10·4	..	0	10	0	0	[illegible]	0	0	0	0	0	0
Vidarbha																														
Gondia	38 3	+0·7	43·6	1	26·8	—0·3	22·5	25	2·4	80·0	—82·2	44·4	20	4	—4·5	9·1	6·4	—0·4	0	10	0	0	11	0	0	0	0	0	0
Nagpur (Sonegaon)	37·7	—0·6	43·0	2	26·2	—0·7	22·1	18	40·7	300·1	+76·1	108·6	22	8	—2·2	19·5	15·5	..	3	15	0	0	14	0	0	0	0	10	0
Amraoti	38·0	+1·2	42·7	23	26·0	+0·6	22·7	18	7·6	50·2	—107·2	22·4	18	5	—3·7	21·4	17·2	+5·3	0	8	0	0	10	0	0	0	0	0	0
Akola Aerodrome	38·4	..	41·9	3	24·8	..	22·1	25	5·8	81·2	..	22·2	22	5	..	17·6	15·6	..	0	9	0	0	7	0	0	0	0	0	0
Akola	38·5	+1·3	42.4	3	25·5	—0·2	21·3	22	6·7	150 9	+10·4	54·8	22	7	—1·1	18·0	14·7	+2·3	0	8	0	0	1	0	0	0	0	0	0
Bramhapuri	37·3	..	43·8	2	26·8	..	22·4	24	47·6	117·9	..	33·8	23	10	..	11·4	9·5	..	0	12	0	0	5	0	0	0	0	0	0
Buldana	35·0	+1·0	38·4	4	23·1	—0·4	20·9	24	9·3	62·4	—97 0	22·0	11	6	—2·8	10·1	10·2	—4 3	0	7	0	0	4	0	0	0	0	0	0
Yeotmal	37·1	+0·1	42·5	3	24·8	—0·6	16·1	13	97·9	221·2	+36·1	78·7	13	6	—3·2	22·9	20·0	+0·8	0	13	0	1	4	0	0	1	0	0	0
Chanda	37·5	—0·1	44·1	3	27·3	+0·7	23·6	23	22·2	144·0	—60·5	57·0	23	9	—0·8	18·0	13·0	+4·5	0	13	0	0	14	0	0	0	0	0	0
Pusad	37·6	..	43·2	3	25·7	..	21·7	18	21·4	150·4	..	28 0	22, 26	11	..	14·8	13·6	..	0	11	0	0	0	0	0	0	0	0	0
Sironcha	37·3	—0·6	44·6	2	27·3	—0·4	24 0	21,22, 26	66·6	178·6	—25·9	74·4	22	12	+3·3	10·6	7·4	+0·4	0	12	0	0	6	0	0	0	0	0	0
Coastal Andhra Pradesh																														
Kalingapatam	36·2	+2·4	42·4	10	27·8	+0·9	23·8	24	8·0	52·0	—67·1	21·4	24	3	—3·3	17·5	15·1	+2·2	0	5	0	0	2	0	1	0	1	0	0
Vishakhapatnam	37·8	+2·5	43·0	11	28·3	+1·3	24·4	24	15·9	32·5	—72·7	6·8	20	5	—1·5	21·0	14·9	+3·0	0	10	0	0	9	0	0	0	0	1	0
Kakinada	37·7	+1·7	44·8	2	26·5	—0·7	22·0	7	6·8	92 6	—26·3	52·4	7	5	—2·1	17·3	13·3	+3·5	0	6	0	0	3	0	0	0	0	0	0
Nidadavole	36·7	..	43·0	2	27·3	..	24·2	28	23·4	51·8	..	23·4	28	4	..	20·7	14·8	..	4	4	0	0	0	0	0	0	0	0	0
Rentachintala	39·0	+1·4	45·0	3	27·7	—0·1	24·0	23	0	33·0	—59·2	10·0	14	6	—0·6	14.8	14·8	—2·1	0	6	0	0	0	0	0	0	0	0	0
Gannavaram	38·3	+0·8	45·1	3	27·7	+0·4	24·4	25	12·6	37·4	—118·4	8·7	21	4	—4·5	27·2	20·4	+2·1	0	9	0	0	6	0	0	0	0	0	0
Nagarjua Konda (R)																														
Masuliapatam	37·1	+0·3	43·7	1,2	26·2	—0·9	20·4	10	67·1	98·9	—8·3	53·8	10	4	—2·2	7·4	5·3	—6 8	0	6	0	0	3	0	0	0	0	0	0
Ongole	38·5	..	44·5	1,3	28·6	..	22·9	24	56·2	56.2	..	50·2	14	3	..	17·0	13·6	..	0	3	0	0	0	0	0	0	0	0	0
Nellore	39·1	+0 5	43 3	3	28·4	+0·5	24·0	27	0	24·8	—7·5	14·0	27	3	+0·1	18·6	14·7	+5·4	0	4	0	0	1	0	0	0	0	0	0
Telangana																														
Ramgundam	37·2	—1·3	44·6	2,4	25 0	—3 0	20·9	26	31·4	124·4	—37·8	28·8	19	12	+4 9	10·1	9·2	+0·4	0	14	0	0	0	0	0	0	0	0	0
Nizamabad	36·8	+0·7	43·2	3	25·5	+0·3	21·2	18	140·2	203·5	+55 ·9	133·0	27	7	—1·7	15·3	11·2	+1·9	0	8	0	0	5	1	0	0	0	6	0
Hanamkonda	37·0	+0·7	44·1	2,3	26·0	—0·4	21·8	6	30·0	80·4	—72·3	24·8	30	7	—1·2	14·2	13·1	+1·7	0	12	0	0	6	0	0	0	0	0	0
Hakimpet Aerodrome	34·8	..	40·7	3	23·3	..	20·7	18	28·0	91·8	..	22·9	23	9	..	..	..	..	0	10	0	0	6	0	0	0	0	2	0
Bhadrachalam	37·9	+0·3	46·0	3	27·5	0	23·6	24	43·0	80·8	—81·0	29·0	30	6	—4·0	7·3	8·1	—2·1	0	7	0	0	0	0	0	0	0	0	0

(c) Mean of 28 days.
(o) Mean of 16 days.

(R) Register not received

(d) Mean of 27 days.
(e) Mean of 26 days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed, kms. per hour			Weather phenomena No. of days with											
	Mean Maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0.2mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Telangana— (*Contd.*)																														
Hyderabad (Begampet)	35·3	+1·0	40·6	1	22·8	—0·8	20·2	18	11.2	56·4	—55·6	21·8	25	7	+0·5	24·2	23·5	+3·7	0	9	0	0	8	0	0	0	0	.2	0
Khammam	37·4	..	45.0	3	27·0	..	22·4	25	4·4	108·6	..	34·3	5	7	..	13·7	10·0	..	0	7	0	0	2	0	0	0	0	0	0
Mahbubnagar	34·3	..	41·0	3	23·8	..	20·6	18	32·2	110·4	..	34·0	8	7	..	15·3	13·8	..	0	10	0	0	7	0	0	0	0	0	0
Rayalaseema																														
Kurnool	35 0	—1·2	40·8	3	24·5	—0·8	21·5	6	2·8	216·4	+142·0	73·4	14	6	+0·5	21·1	21·0	+4·7	0	11	0	0	0	0	0	0	0	0	0
Nandyal (R)																														
Anantapur	35·3	+0·4	39·6	3	24·7	—0·1	23·0	8	29·2	54·0	—0 5	28·0	8	4	+0·8	23·0	20·1	—1·3	2	6	0	0	6	0	0	0	0	0	0
Cuddapah	37·3	—0·4	42·1	3,4	26·7	—0·2	23·6	14,27	3·0	45·2	—29·7	19·0	27	5	+0·2	3·2	2·2	—8·7	0	6	0	0	0	0	0	0	0	0	0
Arogyavaram	33·3	..	36·6	3	21·4	..	20·5	5	0	25·2	..	7·2	5	6	..	18·1	14·2	..	0	6	0	0	0	0	0	0	0	0	0
Madras State Pandicherry Madras	37·9	..	41·9	3	27·5	..	23·8	6	24.0	44·9	..	9·6	28	3	..	15.0	12·0	..	0	9	0	0	1	0	0	0	0	5	0
Madras (Minambakkam)	38·2	+0·6	42·1	3	27·5	+0·2	22·6	6	1·7	53·8	+6.6	23·9	6	4	+0·3	19·5	15·6	—1·9	1	7	0	0	2	0	0	0	0	5	0
Vellore	37·3	+1·1	41·6	3	26·2	+0·3	23·7	6	7·2	25.6	+44·8	10·1	25	4	+0·9	16·2	2·8	+4 3	0	8	0	0	7	0	0	0	0	0	0
Tambaram (Aerodrome)	39·3	..	43.7	2	27·3	..	23·3	6	25·3	57·1	..	17·8	14	5	..	..	..	..	0	7	0	0	6	0	0	0	0	0	0
Tiruppattur	36·3	..	41.3	2	22·9	..	21·3	18	0	98·5	..	45·5	29	3	..	15·5	10·3	..	0	3	0	0	0	0	0	0	0	0	0
Mettur Dam R.S.	36·2	..	39.5	2	25·1	..	28·4	8,29	0	38·2	..	20·1	5	3	..	6·0	6·3	..	0	3	0	0	0	0	0	0	0	0	0
Cuddalore	37·5	+0·5	41·0	1	26·3	—0·5	23·0	14	0	68·5	+33·2	39·0	14	4	+2·4	12·7	10·8	+2·3	0	7	0	0	0	0	0	0	0	0	0
Kallakkurichchi	38·0	..	42·0	2	26·3	..	23·5	6	6·6	31·6	—19·2	17·0	20	2	—1·3	10·9	9·2	..	0	5	0	0	8	0	0	0	0	0	0
Salem	35·6	+0·4	38·7	4	24·7	+0.9	23·3	29	37·0	41.4	—38·1	25·6	7	2	—3·4	10·1	8·3	+1·2	1	12	0	0	12	0	0	0	0	0	0
Coimbatore (Pilamedu)	31·8	..	35·0	5	21·9	..	20·1	10	0	0·2	..	0·2	17	0	..	39.6	32·0	..	1	0	0	0	0	0	0	0	0	0	0
Coimbatore	31·3	—0·3	34·4	4,5	22·0	—0·2	19·9	11	..	0·3	—38·3	0·3	18	0	—4·2	..	16·7	+6·7	0	1	0	0	0	0	0	0	0	0	0
Nagapattinam	36·9	+0·4	40·2	1	26·7	+0·1	22·7	7	2·4	37·8	+6·6	22·0	12	2	—0·2	17·7	13·7	+3·2	0	3	0	0	3	0	0	0	0	0	0
Tiruchchirappalli	37·5	+0·4	40·1	2,3,24	26·7	+0·6	24·8	7	22.3	22·3	—18·8	15·8	7	2	—0·4	21·2	18·6	—7·5	0	2	0	0	3	0	0	0	0	0	0
Vedaranniyam	35·2	..	37·0	2,24	26·2	..	24·1	29	0	5·1	..	5·1	12	1	..	10·9	7·2	..	0	1	0	0	0	0	0	0	0	0	0
Adirampattinam	34·1	..	37·5	11	26·4	..	24·6	20	16·0	21·6	..	13·6	20	2	..	20·7	13·7	..	0	5	0	0	0	0	0	0	0	0	0
Madurai	37·9	+1·7	40·5	2,3,4	26·2	+0.6	25·2	23,24	..	0	—39·9	0	..	0	—2·5	..	6·7	—1·2	0	0	0	0	0	0	0	0	0	0	0
Madurai (Aerodrome)	37·0	..	40·1	2	26·4	..	25·1	6	0	0	..	0	..	0	..	21·1	18·3	..	0	0	0	0	2	0	0	0	0	0	0
Tondi	33·9	..	37 6	6	26·1	..	24·2	24	0	0·8	..	0·8	12	0	..	22·5	17·1	..	0	1	0	0	3	0	0	0	0	0	0
Pamban	32·1	—0·2	33·5	1	26·7	—0·1	24·1	25	0	9·2	+5·4	9·2	12	1	+0·7	25·6	19·7	+0.5	0	1	0	0	0	0	0	0	0	0	0
Tuticorin	35·9	+0·4	39·3	1	26·1	—0·7	24·1	1	0	0	—4·9	0	..	0	—0·5	23·4	19·3	+1·1	0	0	0	0	0	0	0	0	0	0	0
Palayamcottai	36·7	+1·4	44·9	5	26·3	—0·4	24·9	15	0·2	0·6	—8·9	0·6	5	0	—1·0	21·6	16·9	+1·6	0	1	0	0	1	0	0	0	0	0	0
Kanniyakumari	30·7	..	35·4	..	24·4	..	21·6	9	27·0	150·4	..	45·0	18	8	..	24·6	22·3	..	0	10	0	0	0	0	0	0	0	0	0
Coastal Mysore																														
Karwar	29·4	0	33·2	6	24·7	—0·1	22·1	14,15	273·2	646·3	—328·2	71·4	8	21	—2·3	15·5	13·3	..	1	24	0	0	0	0	0	0	0	0	0
Honavar	29·5	0	34·4	3	23·8	—0·3	21·2	14	423·3	952·5	—90·4	131·6	14	22	—3·6	..	..	..	1	27	0	0	11	0	0	0	0	0	0
Mangalore (Bajpe)	28·9	..	32·0	5	23·3	..	21·7	15	334·8	842.9	..	91·7	29	26	..	10·0	7·5	..	0	28	0	0	13	0	0	0	0	0	0
Mangalore	30·0	+0.8	33·0	4	20·2	—3·6	18·4	10,13	228·3	950·1	+8·3	103·8	6	25	+0·4	10·0	9·0	+0·3	0	28	0	0	0	0	0	0	0	0	0
Interior Mysore North																														
Bidar	33·8	0	40·0	2,3	22.6	+0.2	18.8	18	54.6	269.5	+142.9	115·6	18	12	+4·6	20·5	20.3	0	0	17	0	0	0	0	0	0	0	0	0
Gulbarga	35·3	—0·1	41·0	3	23·7	+0·3	21·6	28	6·4	76·0	—36·8	30·8	14	7	+0·1	22·0	18·6	+2·3	0	12	0	0	6	0	0	0	0	0	0
Bijapur	34·6	+1·2	40·0	1,2	22·6	+0·3	21·4	5 days	30·2	88·4	+11·7	32·0	14	5	—0·4	14·8	13·4	—0·4	1	7	0	0	3	0	0	0	0	0	0
Raichur	34·9	—0·3	40·4	4	23·6	—0·2	21·5	6	34·8	162·8	+70·9	52·0	6	9	+3·0	20·8	19·8	+3·5	0	11	0	0	2	0	0	0	0	0	0
Belgaum	28.2	+0·6	34·2	1	20·6	+0·3	18·7	17	51·2	205·2	+2·5	94·6	17	10	—2·9	12·2	7·8	—5·2	2	15	0	0	0	0	0	0	0	0	0
Belgaum (Samra)	28·7	..	34·2	1	20·7	..	19·2	17	35·6	98·6	..	31·2	17	9	..	19·7	15·1	..	1	16	9	0	0	0	0	0	0	0	0
Gadag	31·1	0	36·4	1,24	21·3	—0·5	18·7	17	18·0	50·2	—17·6	11·7	22	6	+0.4	20·7	18·4	+1·0	0	12	0	0	3	0	0	0	0	0	0
Interior Mysore South																														
Bellary	34·2	—0·6	38·7	4	25·0	+0·6	22·4	8	25·0	38·0	—5·2	35·0	8	2	—1·3	18·4	15·0	+2·3	0	2	0	0	0	0	0	0	0	0	0
Chitradurga	30·5	—0·1	35·5	4	21·4	+0·2	20·0	30	28·5	60·3	—5·5	19·0	30	7	+1·8	14·5	13·1	+0·7	0	10	0	0	0	0	0	0	0	0	0
Shimoga	30·1	+1·2	34·7	5	22·2	+0·5	19·7	18	40·6	92·6	—53·2	25·2	30	7	—2·9	10·0	5·9	—1·4	0	12	0	0	1	0	0	0	0	0	0
Agumbe	24·2	..	28·6	7	19·6	..	17·8	18	..	327·6	..	52·2	25	18	..	..	5·3	..	0	26	0	0	0	0	0	0	0	0	0
Balehonnur	25·9	+1·0	32·6	4	18·4	—0·4	17·0	18,28	..	418·6	—14·2	121·2	17	20	—1·1	..	..	..	0	24	0	0	0	0	0	0	0	0	0

(R) Register not received.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, kms. per hour			Weather phenomena—No. of days with										
	Mean Maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2mm.)	Precipitation (0.5 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Interior Mysore South—*Contd.*																													
Hassan	27·1	−0·1	32·9	4	19·3	+0·2	18·1	8	17·9	49·3	−42·4	12·4	24	7	−2·3	15·7	12·0	+0·7	0	10	0	0	2	0	0	0	0	0	0
Bangalore	29·6	+0·5	34·0	3	20·2	+0·9	19·2	28	24·2	56·4	−16·2	19·8	3	6	+0·1	20·9	19·0	+5·8	0	8	0	0	3	0	0	0	0	3	0
Bangalore (Aerodrome)	30·2	..	33·8	3	19·3	..	18·0	22	26·7	45·9	..	16·1	8	5	..	..	..	..	0	7	0	0	2	0	0	0	0	0	0
Mysore	29·6	+0·2	34·5	4	20·5	+0·4	19·1	10	25·0	38·9	−23·6	26.0	12	4	−1·8	25·0	17·0	+2·8	0	5	0	0	1	0	0	0	0	0	0
Kerala																													
Calicut	29·3	0	32·2	3,4	23·7	−0·2	21·9	10	207·8	893·5	+53·3	22·2	9	24	−0·1	10·4	9·8	+0·9	0	25	0	0	1	0	0	0	0	0	0
Palghat	29·5	..	33·9	5	22·9	..	21·3	10	155·6	361·0	..	84·0	18	14	..	15·5	13·4	..	0	22	0	0	2	0	0	0	0	0	0
Fort Cochin	29·1	+0·1	31·1	18	24·2	+0·3	22·4	7	149·3	702·4	−21·0	171·8	18	21	−3·3	14·1	10·4	+2·8	0	25	0	0	8	0	0	0	0	0	0
Cochin (Naval Air Station).	30·0	..	31·9	5	23·9	..	21·5	18	182·0	699·7	..	154·9	18	19	..	5·9	4·7	..	0	25	0	0	10	0	0	0	0	10	0
Alleppey	29·9	+0·3	32·3	5	24·1	0	22·1	30	141·4	434·6	−300·8	73·8	19	21	−2·5	13·5	12·9	+0.8	0	3	0	0	3	0	0	0	0	1	0
Punalur	30·5	..	33·9	5	22·9	..	21·0	27,29	230·0	471·1	..	58·0	18	19	..	4·2	3·3	+0·5	0	22	0	0	0	0	0	0	0	0	0
Trivandrum	29·6	+0·1	32·3	4	23·6	−0.1	21·5	9	95·9	345·1	+10·3	104·0	9	18	+0·9	15·5	11·0	+2·5	0	18	0	0	8	0	0	0	0	0	0
Trivandrum Aerodrome	30·0	..	31·8	2	23·8	..	21·6	9	..	327·2	..	99·4	19	17	..	..	10·7	..	0	20	0	0	2	0	0	0	0	0	0
Arabian Sea Islands																													
Amini	30·2	−0·4	32·0	4	25.7	+0·1	22·6	7	89·4	197·8	−70·7	37·6	7	14	−2·8	35·1	35·4	+16·4	2	22	0	0	1	0	0	0	0	2	0
Agathi	29·6	..	30·6	5	26·5	..	23·4	18	131·8	258·2	..	83·8	7	9	..	26·0	25·4	..	0	17	0	0	5	0	0	0	0	0	0
Androth	31·2	..	32·5	5	25·5	..	23·0	28	174·7	261·5	..	49·2	7	14	..	7 4	6.3	..	0	17	0	0	0	0	0	0	0	0	0
Minicoy	30·5	+0·5	31·5	4	25·2	0	22·3	30	50·8	134·5	−160·1	49·7	7	12	−5·0	18·7	17·7	−1·3	2	19	0	0	6	0	0	0	0	0	0
Hill Stations Excluding Kashmir																													
Dalhousie	28·8	+0·9	32·0	5 days	16·6	−1·5	10·0	6	43·0	104·0	−9·5	51·0	22	4	−2·3	2·7	4·3	−0·5	4	4	0	3	0	0	0	0	0	0	0
Dharmsala	33·3	+1·1	35·9	21,22	22·5	−0·3	16·8	6,7	7·0	45·4	−76·9	19·2	30	3	−3·9	7·7	5·5	+0·3	5	5	0	7	0	0	0	0	0	0	0
Simla	25·7	+1·8	29·0	17	..	..	..	..	7.4	41·7	−111·7	15·6	29	4	−5·8	1·6	0·8	−1·5	0	1	0	0	6	0	0	0	0	0	0
Dharmpur	..	..	..	..	..	..	..	..	..	50·0	−77·0	36·0	23	2	−4·5	..	..	..	0	0	..	..	..	..	..	..	..	..	..
Lokpal	5·2	..	9·1	27	−0·7	..	−4·4	1	3.6	20·2	..	10·6	6	2	..	..	..	..	0	4	0	0	1	0	0	0	0	0	0
Badrinath (R)																													
Joshimath	29·2	..	32·5	17	17·5	..	11·4	7	3·6	37·6	..	20·0	6	3	..	6 0	5·9	..	0	6	0	0	0	0	0	0	0	0	0
Mussoorie	26·5	+2·6	29·3	19	18·0	+1·9	12·1	6	0	14·0	−209·0	7·0	2223	2	−8·2	11·7	8·9	+0·0	0	2	0	0	3	0	0	0	0	0	0
Mukteswar (Kumaun)	27·0	+4·1	30·1	16,19	15·3	+0.9	8·6	7	15·8	39·4	−147·0	24·0	22	3	−7·1	19·2	17·7	+7·7	0	4	0	0	6	0	0	0	0	0	0
Nainital	25·6	+1·6	28.0	4,16,17	17·4	+0·5	13·5	7	71·0	183·0	−90·3	50·0	29	5	−6·4	9·9	8.0	+0·5	0	5	0	0	0	0	0	0	0	0	0
Kalimpong	26·9	+2·9	28·9	16	19·1	0	16·9	12	58·4	299·9	−69·7	75.6	19	13	−3·4	32·6	25·2	+15·9	0	18	0	0	0	0	0	0	0	0	0
Darjeeling	19·7	+0·9	22·0	14	14·2	−0·3	10·4	9	148·4	551·6	−62·6	57·8	19	22	+1·0	4·3	3·0	−0·2	0	24	0	0	0	23	0	0	0	0	0
Kohima	24·9	..	27·8	8	18·2	..	16·7	8,9	174·0	356·6	..	71·0	24	19	..	..	..	..	0	21	0	0	0	0	0	0	0	0	0
Shillong	24·5	+0·9	28·6	1	17·2	0	14·7	3	76·1	458·4	−2·9	84·8	1	20	0	4·5 (a)	3·3	−1·2	0	21	0	0	0	0	0	0	0	0	0
Cherrapunji																													
Abu	26·3	−2·4	31·3	1	18·0	−2·3	15 6	27	0	0	−118·1	0	..	0	−5·8	28.5	13·8	+0·9	0	0	0	0	0	0	0	0	0	0	0
Aijal	26·1	..	29·4	1	19·2	..	16·6	17	159·6	482·3	..	63·3	15	24	..	..	..	..	0	24	0	0	0	0	0	0	0	0	0
Pachmarhi	32·2	+1·2	35·0	2	22·5	+0.3	19·0	18	22·4	116·2	−113·4	53·0	19	5	−5·3	10·3	9.7	−0·3	0	7	0	0	11	0	0	0	0	0	0
Mahabaleshwar	21·7	+0·3	29·6	3	16·7	−0·2	15·3	7	400·2	806·3	−278·0	79·2	26	25	+2·8	15·4	16·2	−0·2	0	27	0	0	0	28	0	0	0	0	0
Mercara	22·4	+0·1	28·2	5	16·6	−0·7	15·0	26,25	197·0	452·0	−195·9	45·4	18	25	+1·8	14·5 (d)	13·6 (f)	+6·6	0	26	0	0	1	13	0	0	0	0	0
Ootacamund	18·9	+1·1	24·0	2	10·7	−0·6	9·6	29	15·8	24·2	+142·7	9·2	7	3	+11·1	12·4	7·9	−0·6	0	7	0	0	1	0	0	0	0	0	0
Coonoor (R)																													
Kodaikanal	19·7	+1·6	21·7	3	11·4	−0·4	9·8	23	40·0	49·5	−58·2	17·5	7	5	−4·9	14·1	15·4	+0·3	2	9	0	0	4	0	0	0	0	0	0
Nepal																													
Katmandu	29·8	..	34·8	10	18·8	..	15·3	7	52·5	349·5	..	72·0	18	14	..	2·5	1·3	..	0	19	0	0	13	0	0	0	0	0	0
Sikkim																													
Lachen	18·6	..	21·3	24,27	8.5	..	−5.0	24	..	243·9	..	25·0	24	23	..	..	..	..	0	29	0	0	0	0	0	0	0	0	0
[Hydrometeorological Observatories																													
Damodar Catchment																													
Tilaiya	38·5	..	42·6	3,4,5	28·0	..	22·8	23,27	83·2	222·2	..	161·8	27	4	..	15·9	10·9	..	1	8	0	0	3	0	0	0	0	0	0
Hazaribagh	37·0	..	41·4	3,15	25·4	..	21·0	23	59·3	101·8	..	52·4	27	6	..	15·1	9·1	..	0	6	0	0	5	0	0	0	0	0	0
Konar	38.2	..	43.1	2	25.2	..	20.6	23	59·0	136·5	..	77·5	28	2	..	14·2	12·3	..	0	2	0	0	2	0	0	0	0	0	0
Bokaro	39·7	..	34·1	5,12,15	25.2	..	21·3	23	33·4	50·6	..	29·5	27	6	..	8·7	6·3	..	0	9	0	0	0	0	0	0	0	0	0
Maithon	39·2	..	45·1	4	25·2	..	22·4	2	101·4	126·8	..	62·4	26	7	..	..	..	..	0	10	0	0	6	0	3	0	0	0	0

(b) Mean of 29 days. (R) Register not received. (d) Mean of 23 days. (f) Mean of 25 days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with										
	Mean Maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from Normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0·2mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Hydrometeorological Observatories																													
Damodar Catchment (*Contd.*)																													
Ramgarh†	39·7	..	47·6	12	27·2	..	21·0	29	78·0	119·9	..	51·5	28	3	..	7·1	5.7	..	0	5	0	0	3	0	4	0	0	0	0
Panchet Hills	38·7	..	44·5	5,11	27.8	..	24·2	23	25·7	45·7	..	17·1	18	5	..	8·5	5·9	..	0	9	0	0	1	0	0	0	0	0	0
Durgapur	37·8	..	43·4	5	26.2	..	22·6	1	40·1	157·2	..	58·3	25	8	..	14·1	11·4	..	0	13	0	0	2	0	2	0	0	0	0
Mahanadi Catchment																													
Ginabahar	38·1	..	43·4	5	24·3	..	19·9	20	..	196·5	..	39·0	27	1	..	..	..	..	0	13	0	0	13	0	0	0	0	0	0
Hirakud	38·3	..	43·7	5	28·1	..	22·8	27	24·7	150·4	..	53·0	27	5	..	7·4	6·5	..	1	9	0	0	16	0	0	0	0	0	0
Bhimkund	37·2	..	43·1	11	25·7	..	22·9	24,28	45·8	120·8	..	28·5	25	8	..	7·6	3·8	..	0	12	0	0	22	0	0	0	0	0	0
Sonepur	38·2	..	44·0	2,4,5	28.6	..	22·1	28	..	154·3	..	65·3	24	5	..	..	12·7	..	0	5	..	..	..	..	..	..	..	..	..
Khijrawan	36·4	..	43·1	1	..	..	..	..	0	138·3	..	51·0	23	8	..	17·1	2·5	..	0	8	0	0	0	0	0	0	0	0	0
Narmada Catchment																													
Bagra Tawa	39·3	..	42·6	1	27·7	..	23·2	22	19 2	50·3	..	18·5	16	3	..	12·9	9·3	..	0	8	0	0	1	0	0	0	0	0	0
Punasa‡																			0	4	0	0	0	0	0	0	0	0	0
Thikri	40·7	..	42·3	1	28·3	..	20·1	11	..	15·6	..	7·5	4	3	..	..	..	..	0	0	..	..	..	..	..	..	..	..	..
Sabarmati Catchment																													
Daroi	39·1	..	41.2	20,21	27 8	..	25·8	2	0	0	..	0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..	..
Gandak Catchment																													
Jomosom	25·0	..	28.1	9	13·6	..	10·1	12	0	0	..	0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..	..
Khudi Bazar	30·5	..	34·4	1	21·3	..	18·9	6	40·6	455·0	..	85·8	16	19	..	..	..	..	0	26	..	..	..	..	..	..	..	..	..
Timure	28·3	..	35·4	14	..	..	..	..	5·8	104·1	..	21·4	23	12	..	..	..	..	1	15	..	..	..	..	..	..	..	..	..
Pokhara	30·7	..	34·3	5	21·2	..	15·3	5	274·5	768·4	..	137·3	16	20	..	5·5	3·8	..	0	24	0	1	24	1	0	0	0	0	0
Gorkha	30.0	..	33·9	14	21.9	..	19·7	22	35·4	431·1	..	83·0	16	16	..	..	..	..	1	18	0	0	17	13	0	0	0	0	0
Nuwakot	(i) 30·5	..	36·2	14	(j) 20·8	..	18·0	9	(h) 16·7	(h) 177·5	..	50·2	16	12	..	..	..	..	4	15	..	..	..	..	..	..	..	..	..
Ghaghara Catchment (Trans Himalayan Regions)																													
Dailekl	32·4	..	35·2	15	19·0	..	16·1	4	6·0	190 0	..	75·0	29	8	..	..	..	..	0	10	..	..	..	..	..	..	..	..	..
Ghaghara Catchment																													
Dadeldhura	29·1	..	31·9	4 days	18·2	..	12·9	7	14·9	48·3	..	20·0	22	6	..	7·9	6·6	..	0	7	0	0	8	2	0	0	0	0	0
Sallayana	30·8	..	34·4	5	21·2	..	16·0	21,22	4·5	113·7	..	38·2	29	7	..	..	..	..	0	9	..	..	..	..	..	..	..	..	..
Buiwal	37·2	..	41.9	5	26·7	..	22·6	22	41·1	214·4	..	65·5	68	12	..	..	..	..	0	13	..	..	..	..	..	..	..	..	..
Bagmati Catchment																													
Katmandu*																													
Kosi Catchment																													
Chautara	28·9	..	32·6	13	18·3	..	16·1	13,22	93·7	304·0	..	66·9	16	12	..	..	..	..	0	16	..	..	..	..	..	..	..	..	..
Walungchung Gola	15·1	..	18·0	28	8·8	..	4·7	7	69·0	153·9	..	16·2	30	23	..	..	..	..	1	26	..	..	..	..	..	..	..	..	..
Taplethok	27·2	..	30·8	27	18·1	..	16·2	7	0	489·2	..	60·4	20	26	..	..	..	..	0	30	..	..	..	..	..	..	..	..	..
Bhojpur	24·7	..	28·2	11	18·0	..	17·1	2,13	86·7	341·2	..	81·3	29	14	..	..	..	..	0	14	..	..	..	..	..	..	..	..	..
Taplejung	24·3	..	26·4	10	17·0	..	14·5	8	68·0	551·3	..	64·0	14	24	4·6	4·6	2·9	+	1	27	0	0	5	15	0	0	0	0	0
Okhaldhunga	24.2	..	27·1	5	17.3	..	15.9	2	60·8	355·5	..	70·0	29	17	..	5.7	4.8	..	1	22	0	0	9	16	0	0	0	0	0
Chainpur	..	..	..	..	19·6	..	18·2	1	98·6	442·3	..	113·2	14	20	..	..	..	..	0	21	..	..	..	..	..	..	..	..	..
Angbung	..	..	..	..	..	..	..	..	73·7	473·4		75·7	13	23		..	..		0	23	..	..	..	..	..	..	..	..	..
Barahakshetra	33·7	..	39·0	8	24·8	..	23·0	23	112·8	324·0	..	124·7	18	15	..	7·0	3·8	..	0	18	..	..	..	..	..	..	..	..	..
Tista Catchment																													
Gangtok	23·2	..	26·1	13	16·0	..	14·3	8	143·6	692·2	..	84·8	19	27	..	1·6	1·4	..	0	29	0	0	3	24	0	0	0	0	0
Gezing	25·5	..	28·3	14	17·7	..	14·9	7	40·7	301.3	..	61·6	10	14	..	..	..	..	1	20	..	..	..	..	..	..	..	..	..

† Observation for 24 days. *Data included under 'Nepal'. ‡Data not available

(i) Mean of 22 days.
(b) ,, ,, 21 days.
(g) Total for 23 days.

Sub-Division and station	Hour of observation I. S. T.	Station elevation level in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bay Islands																											
Maya Bandar	0830	28	1008.0	1004.9	..	27.4	25.9	25.3	32.2	88	..	5.4	..	15.4	0	10	20	0	0	0	0	0	25	5	0	0	0
	1730	,,	1005.6	1002.5	..	27.5	26.1	25.5	32.6	89	..	5.2	..	14.3	0	7	23	0	1	0	0	0	25	4	0	0	0
Long Island	0830	25	1008.2	1005.4	..	27.5	25.7	24.9	31.5	86	..	6·0	..	5.4	0	0	28	0	0	0	0	1	25	2	0	2	0
	1730	,,	1006.2	1003.4	..	27.5	25.5	24.6	30.9	85	..	6.1	..	4.1	0	0	25	0	0	0	0	0	21	4	0	5	0
Port Blair	0530	79	1007.5	998.6	..	25.7	24.3	23.7	29.3	88	..	7.5	..	21.3	0	21	9	2	0	0	0	1	24	3	0	0	0
	0830	,,	1008.7	999.9	+1.4	27.3	24.9	23.8	29.5	81	−1	7.5	+0.8	28.7	0	27	3	1	0	0	0	0	24	3	2	0	0
	1130	,,	1007.9	999.1	..	28.3	25.3	24.0	29.8	78	..	7.3	..	30.7	0	24	6	0	0	0	0	1	25	4	0	0	0
	1730	,,	1006.8	997.9	..	27.3	25.1	24.1	30.0	83	..	7.2	..	26.7	0	26	4	0	0	0	0	0	28	2	0	0	0
	2330	,,	1007.9	998.9	..	26.5	24.9	24.2	30.2	87	..	6.3	..	23.5	0	24	6	0	0	0	0	1	27	2	0	0	0
Car Nicobar	0830	10	1009.8	1000.8	..	29.1	25.8	24.3	30.4	76	..	4.4	..	4.2	0	0	29	0	0	0	3	0	26	0	0	1	0
	1730	,,	1007.6	1006.4	..	28.3	25.3	24.0	29.8	78	..	4.3	..	3.3	0	0	25	0	0	0	0	0	25	0	0	5	0
Nancowry	0830	26	1010.6	1007.7	..	28.5	25.6	24.3	30.4	78	..	5.3	..	15.1	0	7	23	0	0	0	0	0	22	7	1	0	0
	1730	,,	1008.2	1005.3	..	28.0	25.3	24.1	30.0	79	..	5.3	..	13.7	0	5	25	1	0	0	0	0	22	7	1	0	0
Kondul	0830	8	..	..	..	28.5	25.7	24.5	30.7	79	..	6.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	28.1	25.4	24.3	30·4	80	..	5.4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Assam (Including NEFA)																											
Passighat	0830	157	1002.0	984.5	..	26.3	24.4	23.5	28.9	86	..	6.4	..	5.1	0	1	20	5	3	3	0	0	1	0	9	9	0
	1730	,,	998·4	981.0	..	28.6	25.8	24.6	30.9	80	..	5.8	..	3.5	0	0	21	0	0	1	3	0	7	5	5	9	0
Dibrugarh (Mohanbari).	0230	111	1000.0	987.5	..	24.6	23.7	23.3	28.6	93	..	7.1	..	5.1	0	0	19	1	15	1	0	0	1	1	0	11	0
	0530	,,	1000.5	988.0	..	24.3	23.7	23.4	28.8	96	..	6.7	..	4.7	0	0	22	3	12	3	2	0	0	0	2	8	0
	0830	,,	1001.5	989.1	−1.7	26.9	25.0	24.1	30.0	85	−1	6.6	+0.4	7.7	0	0	29	1	19	5	0	0	2	1	1	1	0
	1130	,,	1000.5	988.2	..	28.9	25.7	24.3	30.4	77	..	6.2	..	7.8	0	0	30	0	14	5	2	1	1	4	3	0	0
	1430	,,	998.0	985.7	..	30.2	26.1	24.3	30.4	72	..	5.6	..	8.4	0	0	29	3	18	3	2	0	1	0	2	1	0
	1730	,,	997.8	985.5	..	28.8	25.7	24.3	30.4	78	..	5.6	..	5.8	0	0	26	0	13	5	1	2	2	1	2	4	0
	2030	,,	999.7	987.3	..	26.7	25.1	24.4	31·5	88	..	5.7	..	4·1	0	0	14	1	11	0	1	0	1	0	0	16	0
	2330	,,	1000.4	988.0	..	25.3	24.3	23.8	29.5	92	..	6.8	..	7.3	0	0	24	1	17	0	2	0	3	0	1	6	0
Digboi	0830	152	1002.8	985.7	..	27.2	25·2	24·3	30.4	85	..	5.8	..	4.9	0	0	30	9	3	7	3	1	2	3	2	0	0
	1730	,,	999 6	982.7	..	29.0	26.1	24·9	31.5	79	..	5·4	..	3.5	0	0	28	3	7	5	4	2	0	2	5	2	0
North Lakhimpur	0830	102	1001·9	990.5	−0.8	27.2	25.2	24.3	30.4	86	−2	6.6	−0.4	4.9	0	1	26	4	10	3	1	7	1	0	1	3	0
	1130	,,	1000.9	989 5	..	29.7	26.1	24.6	30.9	75	..	5.8	..	7.4	0	0	29	4	6	8	0	9	2	0	0	1	0
	1430	,,	998.4	987.1	..	30.6	26.3	24.5	30.7	71	..	5.2	..	5.0	0	0	25	1	7	8	0	5	3	1	0	5	0
	1730	,,	998.1	986.8	..	29.2	26.3	25.1	31.9	79	..	5.7	..	4.4	0	0	21	6	3	4	2	4	2	0	0	9	0
Sibsagar	0830	97	1002.3	991.5	−0.6	27.5	25.5	24.6	30.9	85	0	7.0	0	3.2	0	0	22	4	11	0	1	2	4	0	0	8	0
	1730	,,	998.8	988.2	..	30.4	26.6	25.0	31.7	74	..	6.1 (f)	..	3.7 (f)	0	0	22	2	9	0	6	1	2	0	2	8	0
Gohpur	0830	83	..	..	..	27.6	25.7	24.9	31.5	85	..	6·3 (f)	..	4.5 (f)	0	0	25	1	12	0	4	0	2	1	1	0	4
	1730	,,	..	..	..	29.5	26.6	25.4	32.4	79	..	5·8 (f)	..	3.4 (f)	0	0	22	1	4	0	8	1	4	0	0	3	4
Majbat	0830	..	..	..	..	27·3	25.7	25·0	31.7	88	..	5.9	..	3.1	0	0	23	0	16	3	0	2	1	1	0	7	0
	1730	..	..	..	..	29.1	26·7	25·7	33.0	82	..	5.9	..	1.7	0	0	22	0	5	1	3	2	6	2	3	8	0
Jorhat Aerodrome	0530	90	1000.0	989.9	..	25·3	24.8	24.5	30·7	96	..	6.8	..	0.4	0	0	7	0	4	1	0	0	0	1	1	23	0
	0830	,,	1001.3	991·2	..	28.0	25.9	25.1	31.9	86	..	6.7	..	0.9	0	0	17	2	8	0	1	1	2	1	2	13	0
	1130	,,	999.8	989.9	..	30.5	26.8	25.3	32.2	75	..	5.7	..	1.7	0	0	22	4	10	2	0	1	4	0	1	8	0
	1730	,,	997.4	987.5	..	29.5	26.4	25.1	31.9	78	..	5.8	..	1.0	0	0	16	2	8	1	1	0	3	1	0	14	0
	2330	,,	999.9	989.8	..	26.0	25.2	24.9	31.5	93	..	6.5	..	0·5	0	0	8	0	2	1	0	0	4	0	1	22	0
Tangla	0830	78	1001.3	992.5	..	27·3	25.9	25·3	32 2	93	..	2.4		1.8	0	0	21	0	0	0	12	3	6	0	0	9	0
	1730	,,	997.9	989.2	..	29.3	27.5	26.8	35.2	92	..	2·1	..	0.7	0	0	9	0	0	0	4	2	3	0	0	21	0
Tezpur.	0830	79	1001.6	992.7	−1·7	26.6	25.4	24.9	31.5	90	+6	6.3	+0·1	5.3	0	0	30	3	16	3	2	3	2	1	0	0	0
	1730	,,	998.2	989.5	..	29.8	26.2	24.7	31.1	75	..	4.7	..	2.6 (l)	0	0	26	1	11	0	0	0	11	1	2	4	0
Golaghat	0830	95	1002.1	991.1	..	27.4	25.4	24.5	30.7	86	..	5 7	..	0.6 (k)	0	0	7	1	2	1	0	1	2	0	0	12	0
	1730	,,	998.2	987.8	..	30.4	26.5	24·9	31.5	74	..	4.7	..	0·4	0	0	7	0	2	0	0	0	1	4	0	13	0
Rangia	0830	60	1001·9	995·2	..	27·7	25·8	24·9	31·4	85	..	6.4	..	7·6	0	0	30	1	5	15	5	1	0	2	1	0	0
	1730	,,	998·7	992.0	..	29·5	26·7	25·5	32·6	80	..	5·0	..	4·7	0	1	28	3	3	7	6	3	3	2	2	1	0
Chaparmukh	0830	66	1002·7	995.3	..	28.0	25.7	24.7	31.1	83	..	6.8	..	4·8	0	0	30	1	5	6	10	1	3	2	2	0	0
	1730	,,	999.2	992.0	..	29.4	26.6	25.4	32.4	80	..	5.1 (c)	..	4.1	0	0	29	2	5	5	6	2	3	3	3	0	0
Goalpara	0830	38	1001.2	996.9	..	26.4	25·3	24.9	31.5	92	..	6.0	..	1.7	0	0	20	0	7	4	6	0	0	2	1	10	0
	1730	,,	998.1	993.8	..	28.7	27.0	26.3	34.2	87	..	5.6	..	1.5	0	0	18	0	7	0	6	2	2	0	1	12	0
Gauhati	0830	..	..	..	..	26.3	23.9	22.8	27.7	82	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

(b) — Mean of 29 days. (k) — Mean of 20 days. (c) Mean of 19 days. (f) — Mean of 25 days.

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
North Assam (Including Nagaland, Manipur, & Tripura)—*Contd.*																											
Gauhati (Bhorjor)	0230	54	999.1	993.0	..	25.6	4.8	24.4	30.5	93	..	6.7	..	3.9	0	0	16	1	3	3	2	3	3	1	0	14	0
	0530	,,	999.9	993.7	..	25.5	24·7	24.3	30.4	92	..	7.3	..	5.3	0	1	21	3	6	4	2	4	0	2	1	8	0
	0830	,,	1001.0	994.9	−1.4	27.5	25.4	24·5	30.7	84	+3	7.1	+0.9	6.0	0	2	22	8	9	2	1	2	0	2	0	6	0
	1130	,,	1000.3	994.3	..	29.1	26.1	24.8	31.3	78	..	6.6	..	8.9	0	1	29	7	11	4	0	2	1	2	3	0	0
	1430	,,	998.1	992.0	..	29.6	26.3	24.9	31.5	77	..	6.5	..	8.9	0	1	29	6	11	0	3	3	0	5	2	0	0
	1730	,,	997.6	991.5	..	29.0	26.1	24.9	31.5	79	..	6.8	..	6.4	0	2	22	5	9	1	0	0	2	2	5	6	0
	2030	,,	999.5	993.4	..	27.2	25.8	25.2	32.1	89	..	6.1	..	3.5	0	0	13	1	5	3	2	0	2	0	0	17	0
	2330	,,	999.9	993.7	..	26.4	25.2	24.7	31.1	91	..	6.3	..	3.1	0	1	11	2	6	2	0	1	0	1	0	18	0
Dhubri (Rupsi)	0530	46	999·4	994.4	..	25.2	24.7	24.5	30.7	96	..	6.8	..	6.5	0	1	24	0	13	4	3	1	1	1	2	5	0
	0830	,,	1000.6	995.5	..	27.0	25.3	24.5	30.7	87	..	6.8	..	6.9	0	1	27	1	4	10	5	1	1	5	1	2	0
	1130	,,	1000.0	994.9	..	28.7	26.2	25.1	31.9	82	..	6.5	..	8.5	0	1	29	0	4	11	5	5	4	0	1	0	0
	1730	,,	997.1	992.0	..	28.9	26.6	25·7	33.0	83	..	6.5	..	7.1	0	1	22	2	4	8	1	5	1	2	0	7	0
Dhubri	0830	35	1001.5	997.5	−0.7	26.7	25.4	24.9	31.5	88	+2	6.4	+0.3	9.5	0	2	27	2	15	4	3	1	2	0	2	1	0
	1730	,,	998.0	994.1	..	28.3	26.6	25.9	33.4	85	..	5.3	..	2.7	0	1	7	0	5	2	1	0	0	0	0	22	0
Lumding	0830	149	1001.6	984.9	..	26.6	24.8	24.0	29.8	86	+5	5.9	..	1.3	0	0	14	0	0	9	3	2	0	0	0	16	0
South Assam (Including Nagaland Manipur & Tripura	1730	,,	998.0	981.6	..	29.6	26.0	24.5	30.7	73	..	5.7	..	2.2	0	0	21	0	1	9	1	2	5	1	2	9	0
Tura	0830	370	1001.4	960.4	..	26.2	25.2	24.8	31.3	92	..	7.3	..	5.0	0	0	23	2	1	3	1	5	4	5	2	7	0
	1730	,,	998.0	957.3	..	27.7	26.5	26.1	33.8	91	..	7.1	..	5.7	0	0	29	1	1	5	5	4	6	5	2	1	0
Haflong	0830	682	1002.6	928.0	..	23.2	21.6	20.8	24·6	88	..	6.6	..	6.6	0	1	28	3	1	0	0	13	10	1	1	1	0
	1730	,,	998.4	924.3	..	24.7	22.5	21.4	25.5	83	..	6.0	..	4.5	0	0	29	0	0	0	0	9	18	0	2	1	0
Silchar (Kumbhirgram)	0530	97	1000.9	990.0	..	24.1	23.3	22.9	27.9	93	..	6·1	..	7.2	0	1	25	3	5	17	0	1	0	0	0	4	0
	0830	,,	1000.9	990.0	..	26.7	24.8	23.9	29.7	85	..	6.6	..	6.1	0	0	22	0	0	19	1	1	1	0	0	8	0
	1130	,,	1000.0	989.2	..	28.6	25.5	24.1	30.0	77	..	6.4	..	6.0	0	0	26	2	1	11	1	1	4	5	1	4	0
	1730	,,	997.6	986.9	..	27.8	25.3	24.1	30.0	82	..	6.3	..	3.6	0	0	22	0	1	12	0	0	1	7	1	8	0
Silchar	0830	29	1002.2	999.0	−1.2	27.2	25.5	24.7	31.1	86	+2	6.4	+0.3	0.8	0	0	10	0	3	3	1	1	1	1	0	20	0
	1730	,,	999.0	995.7	..	28.5	26.0	24.9	31.5	82	..	6.2	..	0·5	0	0	8	1	0	2	1	1	1	1	1	22	0
Imphal (Tulihal)	0530	781	1002.4	917.0	..	21.8	21.2	20.9	24·7	95	..	6.6	..	2.3	0	0	10	0	4	3	0	2	0	0	1	20	0
	0830	,,	1002.8	918.0	−1.4	24.3	22.1	20·9	24.1	83	+3	6.6	−0·2	3.1	0	0	10	1	3	2	1	1	1	0	1	20	0
	1130	,,	1001.3	917.3	..	26.1	22.6	20.7	24.4	74	..	7.0	..	8.5	0	1	21	2	2	2	6	2	3	1	4	8	0
	1430	,,	998·8	915·1	..	26·9	22·8	20.7	24·4	69	..	6.6	..	9.1	0	1	25	0	2	3	5	3	1	7	5	4	0
	1730	,,	999·4	915·2	..	25·0	22·2	20.7	24·4	79	..	6.8	..	9·0	0	1	23	1	1	3	5	5	2	1	6	6	0
	2030	,,	1001·7	917·0	..	23·6	21·9	21·1	25·0	83	..	6·2	..	2·9	0	0	13	0	2	4	2	3	1	0	1	17	0
	2330	,,	1002·2	917·2	..	22·8	21·8	21·3	25 3	91	..	6·5	..	1·5	0	0	7	1	3	1	0	1	0	0	1	23	0
Nailashahar	0530	30	1001·1	997·8	..	25·1	24·3	23·9	29·7	93	..	6·9	..	3·7	0	0	21	0	1	3	0	14	3	0	0	9	0
	0830	,,	1002·5	999·2	..	27·7	25·3	24·2	30·2	82	..	6·9	..	5·7	0	2	25	0	4	1	4	13	5	0	0	3	0
	1130	,,	1001·7	998·5	..	29·6	26·0	24·5	30·7	75	..	6·5	..	4·7	0	0	28	2	4	3	1	12	5	0	1	2	0
	1730	,,	999·3	996·1	..	28·0	25·5	24·5	30·7	80	..	7·0	..	4·8	0	0	26	0	2	4	0	14	5	1	0	4	0
Agartala	0230	16	998·9	997·1	..	25·6	24·9	24·5	30·7	94	..	7·2	..	10·7	0	2	25	0	1	1	17	8	0	0	0	3	0
	0530	,,	999·2	997·4	..	25·3	24·6	24·3	30·4	94	..	7·1	..	12·0	0	6	20	0	0	2	19	5	0	0	0	4	0
	0830	,,	1000·5	998·7	−1·4	27·7	25·7	24·8	31·3	83	−1	7·2	+0·5	14·3	0	7	20	0	1	0	13	11	1	1	0	3	0
	1130	,,	999·9	998·1	..	29·3	26·5	25·3	32·2	80	..	7·0	..	16·4	0	10	19	3	0	0	9	10	4	2	1	1	0
	1430	,,	998·1	996·3	..	29·8	26·7	25·5	32·6	78	..	6·7	..	13·5	0	7	19	0	0	1	4	12	6	0	3	4	0
	1730	,,	997·7	995·9	..	28·3	26·1	25·2	32·1	84	..	6·9	..	15·6	0	10	18	1	1	1	9	12	3	0	1	2	0
	2030	,,	999·7	997 9	..	26·6	25·4	24·9	31·5	91	..	6·6	..	11·3	0	3	22	0	0	0	13	10	2	0	0	5	0
	2330	,,	999·9	998·1	..	25·9	25·1	24·7	31·1	93	..	6·8	..	11·1	0	4	21	0	0	1	13	1	0	0	0	5	0
Sub-Himalayan West Bengal																											
Bagdogra	0230	131	999.2	984.5	..	26.0	24.7	24.1	30.0	85	..	6.6	..	10.3	0	2	27	4	20	4	0	0	0	0	1	1	0
	0530	,,	999.4	984.7	..	25.3	24.2	23.7	29.3	91	..	6.8	..	10.2	0	0	28	1	13	10	2	1	0	1	0	2	0
	0830	,,	1000·9	986·2	−0.6	26·8	24·8	23·9	29·7	84	0	7·0	+0·3	11·0	0	0	29	0	8	16	4	0	1	0	0	1	0
	1130	,,	1000·1	985·5	..	29·3	25·8	24·3	30·4	75	..	6·2	..	13·2	0	3	27	1	6	14	6	2	1	0	0	0	0
	1430	,,	998·0	983·5	..	30·6	26·3	24·5	30·7	70	..	5·9	..	12·3	0	2	27	0	4	12	10	3	0	0	0	1	0
	1730	,,	997·2	982 8	..	29·2	25·9	24·5	30·7	76	..	6·0	..	12·0	0	2	27	4	4	12	7	1	0	1	0	1	0
	2030	,,	999·2	984·7	..	27·5	25·4	24·5	30·7	85	..	5·8	..	9·7	0	0	28	3	14	10	1	0	0	0	0	2	0
	2330	,,	1000·0	985 3	..	26·5	25·0	24·3	30·4	88	..	6·0	..	11·0	0	0	29	4	18	7	0	0	0	0	0	1	0
Jalpaiguri	0830	83	1000·5	991·3	−1·5	26·1	24·7	24·1	30·0	89	+3	6·5	+1·7	7·5	0	2	24	6	6	10	2	0	0	1	1	4	0
	1730	,,	996·7	987·6	..	28·9	26·1	24·9	31·5	79	..	4·6	..	9·4	0	0	28	3	5	13	3	0	1	0	3	2	0
Cooch Behar	0830	43	1000·8	996·0	..	27·0	25·5	24·9	31·5	88	..	6·7	..	5·3	0	0	20	0	8	10	0	0	1	0	0	10	1

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity%	Departure from normal	Colud amount (Oktas): Mean amount	Colud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Sub-Himalayan West Bengal—(*contd.*)																											
Cooch Behar—(contd.)	1130	43	1000.2	995.5	..	28.7	26.4	25.5	32.6	83	..	6.3	..	8.7	0	1	23	0	4	13	6	0	1	0	0	6	0
	1730	,,	997.3	992.5	..	29.0	26.5	25.5	32.6	82	..	5.6	..	5.9	0	1	19	0	3	10	4	1	0	1	0	10	1
Balurghat	0830	26	999.3	996.4	..	28.8	26.7	25.9	33.4	84	..	6.8	..	3.9	0	0	30	2	4	11	9	2	1	0	1	0	0
	1730	,,	995.6	992.7	..	30.4	26.5	24.9	31.5	74	..	5.7	..	3.3	0	0	28	2	4	12	9	0	1	0	0	2	0
Malda	0830	31	999.5	996.0	—1.6	29.7	26.4	25.1	31.9	77	—4	6.1	+1.1	3.2	0	0	23	1	3	8	5	2	1	0	2	7	1
	1730	,,	995.6	992.1	..	32.5	27.1	24.9	31.5	67	..	6.1	..	3.9	0	0	28	0	5	13	5	2	0	1	2	2	0
Gangetic West Bengal Berhampore	0830	19	998.9	996.9	—1.7	30.0	27.1	25.9	33.4	80	—4	6.0	—0.1	4.8	0	0	28	2	0	8	2	10	4	2	0	2	0
	1730	,,	995.5	993.5	..	32.1	26.0	23.3	28.6	63	..	7.0	..	6.7	0	1	27	2	0	14	0	8	1	2	1	2	0
Suri	0830	..	..	..	..	31.3	26.7	24.8	31.3	71	..	4.6	..	4.1	0	0	3	4	0	8	1	13	0	4	0	0	0
Asansol	0230	126	997.3	983.3	..	28.5	24.7	22.7	27.6	73	..	5.1	..	5.1	0	0	21	0	1	1	6	6	1	2	4	9	0
	0530	,,	997.7	983.7	..	28.0	24.6	23.0	28.1	75	..	5.9	..	4.3	0	0	26	0	1	1	7	9	5	2	1	4	0
	0830	,,	998.8	985.0	—1.0	32.4	25.8	22.8	27.7	61	—1.3	5.1	—0.2	6.6	0	0	30	2	2	3	4	3	8	5	3	0	0
	1130	,,	998.0	984.3	..	36.3	26.0	21.1	25.0	46	..	5.6	..	8.3	0	0	29	3	4	4	2	6	2	4	4	1	0
	1430	,,	995.8	982.2	..	36.4	25.7	20.6	24.3	47	..	6.4	..	8.5	0	2	27	2	4	3	1	8	4	3	4	1	0
	1730	,,	995.4	981.7	..	33.8	24.8	20.4	24.0	51	..	6.6	..	7.7	0	0	28	1	1	3	6	4	5	6	2	2	0
	2330	,,	998.3	984.3	..	29.4	25.1	23.1	28.1	71	..	5.5	..	6.5	0	0	25	0	1	1	4	12	3	1	3	5	0
Shanti Nketan	0830	59	999.3	992.7	..	31.0	26.2	24.1	30.0	69	..	5.5	..	4.9	0	0	26	1	2	2	0	13	5	2	1	4	0
	1130	,,	998.7	992.2	..	35.0	26.1	22.1	26.6	51	..	4.9	..	4.4	0	0	27	1	5	1	4	5	5	2	4	3	0
	1730	,,	995.9	989.4	..	33.2	25.2	21.4	25.5	55	..	6.9	..	7.9	0	3	21	0	0	7	4	9	1	2	1	6	0
Krishnanagar	0830	15	999.5	997.9	—1.4	30.7	27.3	25.9	33.4	78	—1	4.4	—1.3	1.5	0	0	17	0	0	0	1	15	1	0	0	13	0
	1730	,,	996.6	995.0	..	31.7	26.3	24.0	29.8	65	..	5.0	..	1.9	0	0	19	0	0	0	0	18	1	0	0	11	0
Purulia	0830	255	998.9	971.2	—0.6	31.7	24.6	21.1	25.0	56	—15	5.3	—0.1	3.2	0	0	29	3	1	3	1	3	10	6	2	1	0
	1730	,,	995.5	968.1	..	33.8	24.5	19.8	23.1	50	..	6.5	..	4.7	0	1	28	2	2	1	7	6	1	4	6	1	0
Bankura	0830	100	998.6	987.6	..	30.8	27.4	26.0	33.6	77	..	4.3	..	1.3	0	0	12	0	0	0	3	1	5	1	0	18	2
	1730	,,	995.5	984.6	..	33.0	27.9	25.9	33.4	68	..	5.3	..	3.9	0	0	18	0	2	0	1	3	1	0	0	12	11
Burdwan	0830	32	999.4	995.8	—1.0	30.9	26.8	25.1	31.9	73	—7	4.3	—1.6	0.9	0	0	9	0	0	0	0	1	7	1	0	21	0
	1730	,,	995.9	992.3	..	32.5	26.1	23.3	28.6	63	..	4.8	..	5.3	0	1	21	0	0	13	2	4	1	0	2	8	0
Barrackpore (Aerodrome).	0530	7	998.9	998.2	..	27.2	25.7	25.1	31.9	89	..	6.2	..	5.3	0	0	21	0	2	1	3	8	7	0	0	9	0
	0830	,,	999.9	999.2	—0.7	30.4	27.2	25.9	33.4	78	—2	5.9	—0.4	6.0	0	0	23	0	0	2	3	7	9	2	0	7	0
	1130	,,	999.5	996.0	..	33.5	27.3	24.7	31.1	63	..	5.5	..	7.8	0	1	26	1	1	4	1	9	6	3	2	3	0
	1730	,,	997.2	996.5	..	31.2	27.1	25.5	32.6	72	..	6.5	..	8.6	0	1	24	0	3	2	4	9	5	1	1	5	0
	2330	,,	999.6	998.8	..	27.9	25.8	24.9	31.5	85	..	5.7	..	6.4	0	0	21	1	0	0	2	16	2	0	0	9	0
Calcutta (Dum Dum)	0230	6	997.8	997.1	..	27.6	26.0	25.3	32.2	87	..	5.9	..	6.5	0	2	22	1	1	1	6	9	4	2	0	6	0
	0530	,,	998.1	997.4	..	27.3	26.0	25.5	32.6	90	..	6.4	..	3.8	0	0	19	0	0	1	7	8	1	2	0	11	0
	0830	,,	999.3	998.6	—1.1	30.2	27.5	26.5	34.6	81	+2	6.3	0	8.1	0	2	26	0	1	1	10	8	6	2	0	2	0
	1130	,,	998.8	998.1	..	33.2	28.0	26.0	33.6	68	..	5.9	..	8.2	0	3	24	0	1	0	6	7	7	2	4	3	0
	1430	,,	898.9	996.2	..	33.9	27.5	24.9	31.5	63	..	6.8	..	7.8	0	2	22	0	1	1	3	8	7	4	0	6	0
	1730	,,	996.5	995.7	..	31.4	27.2	25.5	32.6	73	..	7.1	..	8.9	0	3	24	1	0	1	12	9	3	1	0	3	0
	2030	,,	998.5	997.8	..	28.8	26.5	25.5	32.6	83	..	5.6	..	9.1	0	2	27	0	1	1	9	9	7	0	2	1	0
	2330	,,	998.8	998.1	..	28.0	26.2	25.4	32.4	86	..	5.8	..	6.7	0	0	26	0	1	0	9	11	4	0	1	4	0
Calcutta	0830	6	999.0	998.3	—1.6	30.8	27.2	25.7	33.0	76	—3	5.4	—0.7	5.1	0	0	29	1	1	2	3	13	5	3	1	1	0
	1130	,,	998.5	997.7	..	33.7	27.4	24.9	31.5	63	..	5.2	..	5.1	0	2	27	1	2	1	4	9	4	6	2	1	0
	1730	,,	996.2	995.5	..	31.5	26.9	25.0	31.7	70	..	6.3	..	7.3	0	1	28	0	0	3	8	14	2	1	1	1	0
Midnapore	0830	45	999.0	994.0	—1.3	30.3	26.4	24.8	31.3	73	—5	4.3	—0.7	2.5	0	0	19	0	0	0	0	6	7	2	0	11	4
	1730	,,	996.2	991.2	..	33.4	26.1	22.9	27.9	53	..	5.9	..	5.5	0	2	25	2	2	0	0	12	6	0	4	3	1
Contai	0830	11	999.3	998.2	—0.5	31.2	27.9	26.5	34.6	77	—4	4.6	—0.6	10.5	0	5	21	1	0	1	4	4	13	3	0	4	0
	1730	,,	996.8	995.6	..	30.8	28.2	27.2	36.1	81		5.6	..	15.5	0	9	19	1	0	0	6	13	6	2	0	2	0
Sagar Island	0830	3	999.2	996.9	—1.3	30.7	28.5	27.7	37.1	85	+7	5.6	—0.9	24.0	0	19	11	0	0	1	1	8	15	4	0	0	1
	1730	,,	996.7	996.4	..	30.6	28.5	27.7	37.1	85	..	6.0	..	27.7	0	25	5	0	0	0	4	13	11	2	0	0	0
Sandheads	0530	10	996.3	995.2	..	29.5	27.7	27.0	35.7	86	..	7.1	..	23.7	0	16	11	2	0	0	0	2	22	1	0	3	0
	0830	,,	997.4	996.3	—3.6	30.6	28.3	27.5	36.7	83	+3	6.0	+0.3	24.4	0	17	13	0	0	2	1	5	20	2	0	0	0
	1130	,,	999.3	998.2	..	31.5	28.3	27.1	35.9	78	..	5.9	..	25.9	0	17	12	0	0	0	0	7	22	0	0	1	0
	1730	,,	995.0	993.9	..	30.4	28.1	27.3	36.3	83	..	7.2	..	25.7	0	17	13	0	0	0	1	5	23	1	0	0	0
	2330	,,	998.9	997.8	..	29.7	27.8	27.1	35.9	85	..	1.5	..	29.9	0	24	6	0	0	0	0	9	18	1	2	0	0
Orissa Baripada	0830	54	1000.1	994.1	..	31.6	27.1	25.3	32.2	71	..	4.7	..	3.3	0	0	21	3	3	0	3	5	5	1	1	9	0
	1730	,,	997.3	991.3	..	32.9	26.7	24.1	30.0	63	..	6.6	..	4.8	0	0	23	3	3	1	4	5	5	1	1	7	0

TABLE III—SUMMARY OF OBSERVATIONS AT FIXED HOURS—JUNE, 1965 (JYAISTHA 11—ASADHA 9, 1887 SAKA)

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Orissa—(*Contd.*)																											
Jharsuguda	0230	230	998.5	973.2	..	29.1	23.6	20·9	24.7	65	..	6.2	..	9.1	0	1	25	0	1	0	4	7	7	7	0	4	0
	0530	,,	999.0	973.6	..	29.3	23.8	21.6	25.6	70	..	6.7	..	8.5	0	1	25	0	0	0	4	5	10	7	0	4	0
	0830	,,	1000.3	975.1	+0.4	31·3	24.7	21.7	25.4	59	−6	5.9	+0.2	11.8	0	4	23	0	0	0	3	5	10	9	0	3	0
	1130	,,	999.3	974.4	..	34·9	25.1	20 3	23.8	46	..	5.6	..	14·2	0	5	22	0	1	0	1	1	9	15	0	3	0
	1730	,,	995.·9	971·1	..	35·2	24·2	18·4	21·1	42	..	6·5	..	15·2	0	9	19	2	0	0	0	3	9	12	2	2	0
	2330	,,	999.3	974·1	..	30·0	23·7	20·5	24·1	61	..	6·2	..	10·1	0	2	24	1	2	1	3	5	9	4	1	4	0
Keonjhargarh	0830	463	1000.0	950·1	..	30·2	23·3	20.1	23·5	58	.	4·6	..	2·6	0	0	28	0	0	1	1	2	4	19	1	2	0
	1730	,,	996.9	947·4	..	33·0	24·0	19·9	23·2	50	..	4.6	..	2·1	0	0	28	3	0	1	0	3	0	20	1	2	0
Bilaspore	0830	20	999.2	996.9	−1·2	31·4	26·7	24·7	31·1	69	−8	6·0	+0·6	8·1	0	0	28	0	0	0	1	6	18	2	1	2	0
	1730	,,	996·4	994·2	..	32·9	26·7	24·1	30·0	61	..	6·6	..	11·9	0	3	27	1	0	0	4	13	11	0	1	0	0
Sambalpur	0830	148	1001·1	984·7	+0.5	30·5	24·9	22·3	26·9	61	—5	5·0	−0·2	4·3	0	0	24	0	0	0	0	4	12	6	2	6	0
	1730	,,	997.5	981·5	..	35·6	24·9	19·5	22·7	41	..	4·2	..	4·0	0	0	26	0	0	0	0	8	12	6	0	4	0
Angul	0830	139	1000·2	984·9	−0·2	31·9	24·8	21·3	25·3	56	—16	7·3	+1·5	4·7	0	0	27	2	1	0	1	1	1	15	6	3	0
	1730	,,	996·5	991·4	..	35·6	25·1	19·9	23·2	43	..	7·3	..	4·1	0	0	27	1	0	0	1	3	4	15	3	3	0
Chandbali	0830	6	1000·0	999·4	−0.8	30·6	26·8	25·2	32·1	74	—5	6·4	+0·6	6·4	0	0	27	0	0	0	2	8	12	1	4	3	0
	1730	,,	997.1	996·3	..	31·8	26·9	24·9	31·5	68	..	6·9	..	8·2	0	4	19	0	0	4	8	6	4	0	0	7	1
Bolangir	0830	190	1001·2	980 2	..	31·4	26·1	23·7	29·3	66	..	5·9	..	6·1	0	0	30	0	0	0	2	15	12	1	0	0	0
	1730	,,	997·1	976·7	..	35·7	27·2	23·5	28·9	51	..	5·7	..	5·3	0	0	30	0	1	1	1	11	11	5	0	0	0
Phulbani	0830	164	999·1	948·7	..	28·6	23·5	21·3	25·3	64	..	5·2	..	2·1	0	0	18	1	0	0	0	3	8	5	1	12	0
	1730	,,	995·4	945·9	..	33·1	24·2	20·1	23·5	49	..	5·1	..	1·5	0	0	14	0	0	1	0	1	5	6	1	16	0
Cuttack	0830	27	1000·3	997·3	—0·8	31·2	26 4	24·3	30·4	68	—7	5·5	-0·2	8·3	0	0	27	0	0	0	0	2	11	9	5	3	0
	1730	,,	997·3	994·3	..	34·1	27·3	24·5	30·7	59	..	5·2	..	11·1	0	6	18	1	1	1	2	6	9	2	2	6	0
Titlagarh	0830	211	1002·4	979·2	..	30·7	26·3	24·4	30·5	71	..	2·5	..	3·5	0	0	30	0	1	0	2	2	22	1	2	0	0
	1730	,,	999·6	976·7	..	34·5	26·8	23·5	28·9	53	..	3·5	..	3·1	0	0	30	0	8	0	2	5	10	2	3	0	0
Bhubaneswar	0230	46	998·8	993·6	..	28·9	26·3	25·2	32·1	81	..	4·7	..	12·9	0	6	19	0	0	0	0	6	13	4	2	5	0
	0530	,,	999 3	994·1	..	28·5	26·1	25·1	31·9	81	..	6·1	..	11·6	0	5	24	1	0	0	1	2	16	6	3	1	0
	0830	,,	1000·6	995·5	0	31·9	26·3	23·9	29·7	65	—13	6·0	—0·1	11·3	0	4	26	0	0	0	0	5	10	9	6	0	0
	1130	,,	999·9	994·9	..	35·7	26·3	22·1	26·6	48	..	5·5	..	12·4	0	6	24	1	0	0	0	4	8	10	7	0	0
	1430	,,	997·7	992·7	..	36·9	26·4	21·5	25·6	43	..	5·2	..	15·9	0	11	19	2	0	0	0	6	9	9	4	0	0
	1730	,,	997·5	992·5	..	33·4	26·2	23·0	28·1	57	..	5·9	..	18·7	0	13	17	1	0	0	4	7	13	3	2	0	0
	2330	,,	999·9	994·8	..	29·5	26·5	25·3	32·2	79		4·7	..	16·3	0	8	22	2	0	0	0	6	18	3	1	0	0
Puri	0830	6	1000·9	1000·2	−0·2	31·0	27·7	26 5	34·6	77	−4	6·6	+1·3	16·7	0	12	18	0	0	0	0	2	24	2	2	0	0
	1730	,,	998·0	997·3	..	30·6	28·5	27·7	37·1	85	..	6·0	..	21·8	0	17	13	0	0	0	0	9	21	0	0	0	0
Gopalpur	0530	17	999·6	997·7	..	28·7	26·7	25·9	33·4	85	..	6·1	..	5·9	0	2	17	0	1	0	0	2	16	0	0	11	0
	0830	,,	1001·0	999·1	—0·1	30·5	27·5	26·3	34·2	79	—2	6·2	+1.7	8.3	0	5	20	0	0	0	1	4	19	0	1	5	0
	1130	,,	1000·7	998·8	..	32·1	27·9	26·3	34·2	73	..	6·1	..	12·1	0	4	25	2	0	0	0	8	19	0	0	1	0
	1730	,,	998·1	996·2	..	31·1	27·5	26·1	33·8	76	..	7·0	..	14·5	0	6	24	0	0	0	0	5	23	1	1	0	0
	2330	,,	1000·4	998·5	..	29·6	27·3	26·3	34·2	83	..	5·8	..	10·3	0	6	16	2	0	0	0	1	19	0	0	8	0
Koraput	0830	913	1465·7	905·6	+1·4	24·3	21·6	20·3	23·8	80	+3	6 0	+0·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1449·3	903·4	..	27·6	22·8	20·6	24·3	69	..	6·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bihar Plateau																											
Dumka	0830	149	998·8	982·5	—1·2	31·6	26·4	24·2	30·2	68	—7	3·2	−1·5	4·1	0	0	22	0	4	0	11	1	3	0	3	8	0
	1730	,,	995·4	979·1	..	33·6	25·6	21·9	26·3	55	..	4·2	..	5·8	0	0	25	0	4	3	6	1	7	2	2	5	0
Daltonganj	0830	221	998·9	974·6	—0·4	34·2	24·4	19·4	22·5	44	—16	3·7	+0·2	5·5	0	0	28	0	2	0	1	1	18	0	6	2	0
	1730	,,	993·7	970·1	..	37·7	24·5	17·5	20·0	34	..	3·3	..	6·5	0	0	30	4	2	0	0	3	7	7	7	0	0
Hazaribagh	0830	611	997·9	932·6	—1·0	30·9	22·0	17·5	20·0	49	—16	6·2	+0·5	12·3	0	3	26	2	0	0	0	0	6	9	12	1	0
	1730	,,	994·2	929·7	..	33·8	21·8	15·2	17·3	39	...	6·4	..	12·9	0	4	24	3	1	0	0	1	2	1	20	2	0
Dhanbad	0830	257	998·3	970·2	..	31·6	24·9	21·7	25·9	59	..	3·9	..	2·7	0	0	22	1	4	0	7	1	1	5	1	8	2
	1730	,,	994·9	967·1	..	34·1	24·6	19·9	23·2	50	..	4·9	..	2·9	0	0	18	1	2	1	2	3	3	2	1	12	3
Ranchi	0830	655	1001·3	929·5	+0·9	23·3	19·6	17·3	20·0	69	+1	4·9	−0·1	1·1	0	0	16	0	3	0	0	0	0	0	13	14	0
	1730	,,	994·9	925·1	..	30·1	20·9	15·8	17·9	45	..	5·7	..	1·5	0	0	23	2	0	1	0	5	2	0	13	7	0
Ranchi Aerodrome	0530	652	998·2	927·6	..	26·2	21·1	18·5	21·3	62	..	5·6	..	14·1	0	8	19	0	0	0	0	1	10	13	3	3	0
	0830	,,	998·1	928·5	..	30·1	22·4	18·6	21·4	53	..	4·9	..	19·1	0	17	11	0	0	0	0	0	8	10	10	2	0
	1130	,,	996·9	928·1	..	34·0	22·5	16·5	18·8	39	..	5·5	..	26·5	0	24	5	2	1	0	0	0	4	7	12	1	3
	1430	,,	994·8	926 4	..	34·8	22·4	15·8	17·9	36	..	6·2	..	26·5	0	22	8	6	2	0	0	1	3	3	15	0	0
	1730	,,	994·9	925·9	..	32·1	21·9	16·5	18·8	46	..	6·1	..	19·1	0	15	12	2	2	0	1	5	4	2	11	3	0
Jamshedpur	0830	129	998·4	984·2	−1·6	31·0	25·1	22·3	26·9	63	−7	4·8	—0·6	3·8	0	0	25	0	0	0	0	0	6	13	7	5	0

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bihar Plateau—(*Contd.*)																											
Jamshedpur—(*Contd.*)	1730	129	994·8	980·8	..	33·8	24·7	20·2	23·7	51	..	6·4	..	3·9	0	0	28	2	1	5	3	0	4	6	7	2	0
Jamshedpur (P.B.O.)	0530	142	998·1	982·3	..	27·9	24·4	22·8	27·7	75	..	5·8	..	3·4	0	0	19	0	5	1	0	3	5	3	2	11	0
	0830	,,	999·0	983·4	..	31·7	24·9	21·7	25·9	58	..	5·3	..	4·1	0	0	22	0	0	0	0	2	13	5	2	8	0
	1130	,,	997·9	982·6	..	35·7	25·3	20·3	23·8	45	..	5·0	..	5·7	0	0	26	0	0	0	1	4	6	7	8	4	0
	1430	,,	995.7	980·4	..	36·7	24·6	18·3	21·0	40	..	5·7	..	8·0	0	1	28	3	2	1	1	5	5	4	8	1	0
	1730	,,	995.5	980.0	..	33·7	24·5	19·9	23·2	50	..	6·5	..	6·2	0	1	23	0	5	1	0	1	3	6	8	6	0
	2330	,,	998·4	982.7	..	29·5	24·3	21·8	26·1	66	..	6·2	..	4·3	0	0	19	2	6	2	1	1	2	2	3	11	0
Chaibasa .	0830	226	998·7	973·9	−0·9	32·0	24·5	20·8	24·6	55	−14	5·7	+0·6	4·5	0	0	25	0	0	0	2	0	20	1	2	5	0
	1730	,,	995·1	970·6	..	33·8	24·1	19·1	22·1	48	..	6·5	..	3·7	0	0	27	0	5	0	2	0	11	0	9	3	0
Bihar Plains Motihari . .	0830	66	998·9	991·5	−1·6	30·5	26·3	24·5	30·7	72	−5	3·7 (b)	−0·4	7·1 (b)	0	1	27	1	15	5	4	1	0	2	0	1	0
	1730	,,	994·8	987·5	..	34·4	27·2	24·2	30·2	59	..	1·6 (c)	..	2·6 (c)	0	0	14	2	5	6	0	0	0	1	0	14	0
Forbesganj . .	0830	61	999·9	993·1	..	27·9	25·5	24·5	30·7	82	..	6·3	..	5·4	0	0	30	0	0	29	0	0	0	1	0	0	0
	1730	,,	996·1	989·4	..	31·5	26·3	24·1	30·0	67	..	3·8	..	4·8	0	0	30	0	0	28	0	0	0	2	0	0	0
Darbhanga . .	0830	49	1000·0	994·7	−0·2	30·5	26·3	24·5	30·7	72	−5	3·8	−1·0	8·3	0	1	29	1	4	20	3	0	0	1	1	0	0
	1730	,,	996·3	990·9	..	34·1	27·1	24·1	30·0	57	..	2·1	..	4·0	0	0	24	0	11	10	1	0	0	2	0	6	0
Chapra . .	0830	58	998·7	992·3	..	32·1	26·3	23·8	29·5	63	..	3·5	..	3·0	0	0	26	0	14	3	5	0	1	1	2	4	0
	1730	,,	994·3	988·1	..	37·7	27·0	22·3	26·9	44	..	2·9	..	3·2	0	0	25	1	11	4	0	0	1	4	4	5	0
Purnea . . .	0830	38	999·8	995·6	−1·2	28·1	25·8	24·9	31·5	81	−1	5·7	+0·3	3·9	0	0	30	3	3	21	0	0	0	3	0	0	0
	1730	,,	995·9	991·7	..	32·0	26·5	24·1	30·0	66	..	4·3	..	4·4	0	0	28	5	6	14	0	1	0	2	0	2	0
Patna . . .	0830	53	998·7	992·8	−1·2	31·0	25·8	23·5	28·9	66	−6	5·7	+1·2	8·1	0	0	30	2	23	2	0	0	0	2	1	0	0
	1730	,,	994·6	988·8	..	36·9	25·7	20·3	23·8	41	..	5·5	..	6·5	0	0	29	2	17	1	0	0	0	5	4	1	0
Patna Aerodrome .	0530	60	996·8	990·1	..	28·7	24·9	23·2	28·4	73	..	5·0	..	9·0	0	2	27	0	3	20	2	0	1	3	0	1	0
	0830	,,	998·2	991·6	..	31·6	25·5	22·7	27·6	61	..	4·6	..	13·8	0	5	23	1	4	16	2	0	0	2	3	2	0
	1130	,,	997·7	991·2	..	35·8	25·8	21·1	25·0	42	..	4·5	..	11·5	0	3	26	0	7	10	4	0	0	2	5	1	1
	1430	,,	995·2	988·8	..	38·4	25·5	19·1	22·1	35	..	4·5	..	11·1	0	6	22	4	6	9	0	0	0	1	8	2	0
	1730	,,	993·8	987·4	..	37·6	25·3	19·1	22·1	38	..	3·9	..	12·5	0	6	23	1	6	10	0	0	1	2	9	1	0
	2030	,,	995·9	989·4	..	33·4	24·8	20·6	24·3	49	..	2·0	..	8·5	0	2	21	0	5	15	1	0	1	1	0	7	0
	2330	,,	996·7	990·1	..	31·3	25·0	22·1	26·6	60	..	1·9	..	11·7	0	3	25	0	2	19	3	0	0	2	2	2	0
Bhagalpur . .	0530	49	998·1	992·6	..	28·1	25·3	24·1	30·0	79	..	6·5	..	6·8	0	1	27	0	4	10	9	1	1	0	3	2	0
	0830	,,	999·4	994·0	−0·8	31·3	26·3	24·1	30·0	67	−9	6·1	+0·6	10·0	0	0	30	1	7	10	9	0	1	1	1	0	0
	1130	,,	998·8	993·4	..	34·9	26·7	23·1	28·3	53	..	5·8	..	11·4	0	4	25	0	3	13	8	1	0	2	2	1	0
	1730	,,	995·5	990·2	..	34·8	26·0	22·0	26·4	51	..	5·7	..	8·9	0	2	27	1	3	16	3	0	0	3	3	1	0
	2330	,,	998·2	992.8	..	30.2	25·7	23.7	29.3	71	..	4.8	..	6.2	0	0	28	0	2	14	10	0	2	0	0	2	0
Sabaur . .	0830	37	999.0	994.9	−1.5	31.0	26.6	24.7	31·1	70	−7	5.4	−0.4	10.5	0	3	26	2	5	16	3	0	0	1	2	1	0
	1730	,,	995·1	991·0	..	35·1	27·0	23·5	28·9	56	..	5·4	..	8·7	0	1	27	4	4	14	2	0	0	1	3	2	0
Jamui . . .	0830	82	998·3	989·3	..	33·9	27·4	24·7	31·1	62	..	1·9	..	2·4	0	0	27	1	6	12	2	0	0	4	2	3	0
	1730	,,	994·1	985·1	..	36·8	27·4	23·4	28·8	51	..	1.5	..	2·5	0	0	27	3	3	5	3	0	1	6	6	3	0
Dehri . . .	0830	107	997·7	986·1	..	34·8	24·4	19·0	22·0	43	..	3.9	..	3·9	0	0	30	2	3	4	2	0	3	12	4	0	0
	1730	,,	994·0	982·4	..	39·0	24·6	16·8	19·1	31	..	4·1	..	5·9	0	0	30	0	7	0	2	1	0	14	6	0	0
Gaya . . .	0230	116	996·5	983.7	..	31·0	24·0	20·5	24·1	56	..	2·6	..	6·8	0	1	20	0	2	1	5	5	5	2	1	9	0
	0530	,,	996·9	984·1	..	30·2	23·9	20·7	24·4	60	..	4·8	..	9·1	0	3	21	1	3	2	2	4	8	3	1	6	0
	0830	,,	998·2	985·5	−0·9	34·6	25·5	21·2	25·2	49	−4	4·7	+1·0	16·6	0	14	15	1	5	0	2	1	7	10	3	1	0
	1130	,,	997·8	985·3	..	38·3	26·4	20.9	24·7	40	..	4·0	..	18·4	0	13	16	1	4	3	0	0	0	11	10	1	0
	1730	,,	994·1	981·7	..	38·6	25·9	19·7	22·9	37	..	4·1	..	16·8	0	13	16	5	4	2	0	2	0	6	10	1	0
	2330	,,	997·2	984·5	..	32·2	24·5	20·7	24·4	53	..	3·2	..	9·3	0	1	23	0	3	6	2	4	7	1	1	6	0
Uttar Pradesh (East) Kheri . . (R)	0830	147																									
(R)	1730	,,																									
Bahraich . .	0830	124	997·8	984·2	−1·3	31·6	25·1	21·9	26·3	59	−8	2·3	−0·6	13·5	0	3	26	0	0	21	3	0	0	3	2	1	0
	1730	,,	993·3	980·0	..	39·0	25·5	18·2	20·1	34	..	2.0	..	12·8	0	5	21	0	0	9	1	0	1	10	5	4	0
Nautanwa . .	0830	99	997·9	987·0	..	31·0	25·2	22·3	26·9	62	..	3·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	994·4	983·6	..	36·7	25·3	19·0	22·0	42	..	2·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hardoi . .	0830	142	998.6	983·1	+0·4	34·4	23·3	16·5	18·8	37	−24	0·2	−2.9	3·7	0	0	29	1	1	3	3	0	0	15	6	1	0
	1730	,,	994·7	979·5	..	40·3	24·5	15·0	17·0	25	..	1·0	..	3·9	0	0	26	2	0	0	1	0	0	11	12	4	0
Gonda . .	0830	110	998·4	986·4	..	32·6	25·6	22·6	27·4	57	−12	2·1	−2·3	3·8	0	0	30	2	0	24	0	0	0	0	4	0	0
	1730	,,	993·8	982·0	..	39·0	26·3	19·8	23·1	37	..	1·2	..	3·9	0	0	23	0	0	8	0	0	0	5	10	7	0
Lucknow . .	0830	111	997·4	985·3	−1·5	33·8	24·4	19·7	22·9	48	−13	1·7	−1·6	2·5	0	0	17	0	0	0	1	1	1	11	2	13	1

(b) = Mean of 29 days. (c) = Mean of 28 days. (R) Registers not received.

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C.: Dry bulb	Mean temperature in °C.: Wet bulb	Mean temperature in °C.: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Uttar Pradesh (East)—(*Contd.*)																											
Lucknow—(*contd.*)	1730	111	993·2	981·3	..	39·2	24·7	16·5	18·8	28	..	1·8	..	5·7	0	0	26	1	0	2	1	0	4	17	1	4	0
Lucknow (Amausi)	0230	128	995·6	981·6	..	31·2	22·2	16·5	18·9	44	..	1·9	..	5·7	0	0	25	0	1	3	4	1	5	9	2	5	0
	0530	,,	996·4	982·3	..	29·6	22·0	17·3	19·7	50	..	2·6	..	5·4	0	0	24	2	3	3	2	0	3	9	2	6	0
	0830	,,	997·6	983·7	—1·3	33·9	23·6	17·7	20·2	41	—15	2·5	—0·8	11·3	0	5	24	1	0	5	3	2	0	9	9	1	0
	1130	,,	997.0	983·3	..	39·2	24·3	15·4	17·5	27	..	1·8	..	16·9	0	13	17	3	1	0	1	0	1	10	14	0	0
	1430	,,	995·1	981·4	..	41·1	24·6	14·6	16·7	23	..	2·6	..	16·9	0	10	20	3	2	2	0	0	2	4	17	0	0
	1730	,,	993·4	979·8	..	40·0	24·0	13·9	15·8	24	..	2·2	..	15·1	0	9	21	2	0	2	1	0	1	7	17	0	0
	2030	,,	994·4	980·9	..	35·7	23·6	16·4	18·6	34	...	1·4	..	5·8	0	0	21	0	1	5	1	0	2	8	4	9	0
	2330	,,	995·1	981·4	..	32·9	22·9	16·9	19·3	41	..	2·0	..	6·5	0	0	26	0	0	2	4	2	6	11	1	4	0
Faizabad	0830	102	998·2	986·7	..	32·1	25·3	21·9	26·3	57	..	3·6	..	5·3	0	0	29	2	3	9	9	1	1	4	0	1	0
	1730	,,	993·6	982·7	..	37·9	25·7	19·2	22·2	37	..	2·2	..	4·9	0	0	21	0	0	5	1	1	0	12	2	9	0
Gorakhpur	0830	77	998·0	989·8	—1·6	32·1	25·6	22·7	27·6	61	—12	2·7	—0·7	3·9	0	0	30	0	1	24	0	1	0	4	0	0	0
	1730	,,	995·0	987·2	..	38·3	25·6	19.5	22·7	38	..	2·5	..	4·7	0	0	30	5	1	11	0	0	3	8	2	0	0
Gorakhpur P.B.O.	0230	78	996·3	987·7	..	30·9	24·5	21·8	26·1	62	..	2·7	..	5·6	0	0	27	0	8	11	3	1	1	2	1	3	0
	0530	,,	997·1	988·4	..	29·1	24·3	22·3	26·9	68	..	3·2	..	4·9	0	0	28	1	7	12	3	0	1	2	2	2	0
	1130	,,	997·7	989·3	..	35·3	26·1	22·3	26·9	51	..	3·0	..	6·2	0	0	29	0	4	6	11	3	0	4	1	1	0
	1430	,,	995·6	987·1	..	37·5	25·7	20·6	24·3	43	..	2·7	..	5·4	0	0	28	0	5	6	3	2	1	9	2	2	0
	2030	,,	995·7	987·1	..	32·4	34·7	21·2	25·2	52	..	1·7	..	6·3	0	0	23	0	6	11	3	0	0	3	0	7	0
	2330	,,	996·7	988·1	..	32·2	25·1	2·3	26·9	59	..	2·4	..	5·8	0	0	26	0	3	14	3	2	2	1	1	4	0
Kanpur	0830	126	997·5	983·6	—1·4	33·9	23·9	18·4	21·1	42	—16	1·8	—0·4	11·7	0	1	28	1	0	2	0	0	4	20	2	1	0
	1730	,,	993·8	980·4	..	41·5	25·3	16·3	18·5	24	..	2·4	..	17·9	0	12	18	2	1	0	0	0	2	18	7	0	0
Kanpur (Aerodrome)	0530	126	996·3	982·8	..	30·8	22·4	17·2	19·6	47	..	2·8	..	12·6	0	4	26	3	0	3	1	2	4	14	3	0	0
	0830	,,	997·6	984·2	..	35·5	23·1	16·2	18·4	34	..	1·8	..	15·7	0	5	25	2	0	1	1	1	1	10	13	0	1
	1130	,,	997·4	983·9	..	39·9	24·3	15·1	17·1	24	..	1·5	..	20·9	0	18	12	4	0	0	1	0	0	8	17	0	0
	1730	,,	993·6	980·2	..	41·2	23·8	13·2	15·2	20	..	2·2	..	17·2	0	4	26	4	1	1	0	0	0	5	19	0	0
	2330	,,	995·9	982·6	..	33·9	23·0	16·2	18·4	37	..	2·0	..	12·4	0	2	28	1	0	3	3	1	3	12	7	0	0
Sultanpur	0830	97	996·8	988·2	..	33·9	24·7	19·7	22·9	46	..	2·6	..	1·6	0	0	15	0	0	3	2	0	0	6	4	15	0
	1730	,,	993·9	983·6	..	40·4	25·8	18·1	20·8	30	..	1·9	..	2·9	0	0	23	0	2	3	0	0	0	13	5	7	0
Azamgarh	0830	78	997·9	988·6	..	32·8	27·7	25·6	32·8	67	..	1·9	..	7·5	0	0	29	3	1	18	0	0	0	7	0	1	0
	1730	,,	994·0	985·4	..	39·8	30·0	26·4	34·4	47	..	1·6	..	8·5	0	0	28	8	0	1	0	0	0	16	3	2	0
Fatehpur	0830	114	998·3	985·8	..	35·3	24·6	18·8	21·7	39	—2·3	1·4	—2·2	15·0	0	10	20	0	1	0	2	2	6	12	7	0	0
	1730	,,	993·8	981·7	..	41·2	25·2	16·3	18·5	24	..	2·0	..	14·0	0	8	22	2	1	1	0	0	3	4	19	0	0
Ballia	0830	64	999·3	992.0	..	33·2	25·8	22·3	26·9	56	..	2·7	..	1·1	0	0	14	0	0	11	0	0	0	3	0	16	0
	1730	,,	994·8	987·7	..	38·5	27·1	21·9	26·3	41	..	2·0	..	(b) 4·6	0	0	28	1	6	5	1	0	0	14	1	1	0
Banda	0830	121	999·2	986·1	..	36·5	24·5	17·9	20·5	36	..	1·5	..	4·3	0	0	29	1	0	0	0	1	15	2	10	1	0
	1730	,,	994·8	981·8	..	40·9	24·8	15·3	17·4	24	..	1·5	..	3·0	0	0	25	0	1	0	0	0	12	0	12	5	0
Allahabad (Bamrauli)	0230	98	996·0	984·9	..	32·6	23·1	17·6	20·8	43	..	2·3	..	4 3	0	0	22	0	2	2	1	2	11	4	0	8	0
	0530	,,	996·6	985·8	..	31·0	22·9	18·1	21·8	48	..	2·6	..	4·1	0	0	24	0	2	2	1	2	8	8	1	6	0
	0830	,,	998·2	987·5	—0·7	35·1	24·2	18·3	21·1	39	—17	2·8	—1.0	9·9	0	6	23	3	2	1	0	1	8	13	1	1	0
	1130	,,	997·6	987·1	..	40·4	25·2	16·6	19·5	26	..	1·9	..	11·6	0	3	27	1	0	0	1	1	7	12	8	0	0
	1430	,,	995·6	985·1	..	42·6	25·2	15·4	17·8	22	..	3·3	..	13·4	0	7	23	1	1	0	0	0	3	18	7	0	0
	1730	,,	993·9	983·8	..	40·9	24·8	15·4	18·2	24	..	2·5	..	11·7	0	5	24	3	1	1	0	0	2	13	9	1	0
	2030	,,	994·4	984·5	..	36·4	24·7	18·3	21·4	36	..	2·2	..	2·8	0	0	18	0	5	1	0	2	5	4	1	12	0
	2330	,,	996·1	985·8	..	34·3	23·8	17·9	21·1	40	..	1·8	..	5·3	0	1	20	2	2	1	2	6	7	1	0	9	0
Varanasi (Babatpur).	0530	85	997·7	988·1	..	30·3	23·1	19·0	22·0	53	..	3·7	..	5·8	0	0	21	1	2	4	1	0	6	6	1	9	0
	0830	,,	999·0	989·0	—0·9	34·1	24·4	19·0	21·7	45	—16	3·8	+0·1	14·3	0	3	26	0	2	7	0	0	2	15	2	1	1
	1130	,,	998·4	989·2	..	38·9	24·9	17·3	20·6	32	..	3·2	..	17·1	0	11	19	0	2	1	0	0	0	13	13	0	1
	1730	,,	994·7	985·5	..	40·3	24·5	14·9	16·9	26	..	2·4	..	17·1	0	3	26	5	2	1	0	1	0	11	9	1	0
	2330	,,	997·5	988·1	..	33·6	23·5	17·9	21·1	42	..	2·7	..	6·3	0	0	18	0	0	10	1	0	0	7	0	12	0
Varanasi	0830	76	998·3	989·9	—0·9	33·4	25·1	20·8	24·5	51	—10	3·7	—0·3	2·7	0	0	29	0	3	3	1	0	4	14	4	1	0
	1730	,,	993·5	985·3	..	39·8	26·2	18·4	21·1	33	..	2·7	..	3·6	0	0	29	2	3	1	0	1	0	16	6	1	0
Uttar Pradesh (West) Mukhim	0830	..	..		..	22·3	15·3	10·4	12·6	49	..	1·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	23·1	15·2	9·1	12·1	45	..	2·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fehri	0830	..	..	..	..	27·3	19·7	15·1	12.1	49	..	1·7	..	1·7	0	0	17	7	5	2	0	0	0	0	3	13	0
	1130	..	..	..	..	34·1	21·3	13·6	17.1	31	..	1·6	..	3·8	0	0	30	9	6	3	7	0	2	2	0	0	1

(b) Mean of 29 days.

State, Division and station	Hour of observation I. S. T.	Station elevation in meters	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed, per hour Km.	Wind speed (Km. p.h.): 62 or more	20 to 61	1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Uttar Pradesh (West)—(Contd.)																											
Tehri—(contd.)	1730	..	..	..	..	35·9	21·3	12·4	14·7	27	..	3·6	..	8·0	0	0	29	1	4	2	4	6	5	4	3	1	0
Dehra Dun	0530	682	997·3	923.3	..	25·1	18·8	14·9	16·9	55	..	1·6	..	0·5	0	0	5	2	2	0	0	0	0	1	0	25	0
	0830	,,	997·4	924·6	..	29·8	21·5	17·0	19·4	50	—10	0·8	—26	0·7	0	0	9	0	0	0	1	5	0	3	0	21	0
	1130	,,	996·4	924·6	..	34·0	22·2	15·3	17·4	34	..	1·6	..	1·7	0	0	18	1	0	0	3	2	2	8	2	12	0
	1730	,,	992·3	921·3	..	36·3	21·9	13·4	15·4	27	..	3·0	..	2·9	0	0	23	4	1	1	0	1	7	6	3	7	0
	2330	,,	995·9	922·9	..	28·3	20·4	15·9	18·1	47	..	1·7	..	1.3	0	0	13	7	4	1	0	0	0	1	0	17	0
Mansiari	0830	,,	..	..	..	20·4	14·0	9·5	11·9	49	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	20·6	14.1	11·0	13·1	54	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Roorkee	0830	274	997.5	967·7	—1 4	31·8	22·7	17·4	19·9	43	—14	2·0	—0.9	1.2	0	0	17	0	0	0	5	0	0	0	12	13	0
	1730	,,	992·9	963·9	..	39·5	24·3	16·2	18·4	27	..	1·7	..	1 8	0	0	27	0	0	0	2	0	2	1	22	3	0
Najibabad (R)	0830	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0
	1730	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0
Meerut	0630	222	998·4	974·2	—0.6	33.1	23·1	17·9	20.5	41	—15	0	—3.1	7.3	0	0	30	2	0	2	3	2	0	11	10	0	0
Bareilly	0830	173	997·4	978·6	—1.5	33.9	24.3	19.2	22.2	43	—21	0.9	—2.4	9·4	0	1	28	1	1	6	2	0	2	12	5	1	0
	1730	,,	993.1	974.6	..	40.6	25.3	16.7	19.0	27	..	0.9	..	7.5	0	0	30	4	0	1	0	0	1	23	1	0	0
Bareilly P.B.O.	0230	172	995·3	976.4	..	31.2	22.1	17.3	19.7	45	..	1.4	..	4.8	0	0	27	1	1	5	1	0	2	12	5	3	0
	0530	,,	996.0	976.9	..	29.6	21.5	17.1	19·5	49	..	1.8	..	4.5	0	0	29	2	3	8	1	0	2	12	1	1	0
	1130	,,	997.2	978.4	..	37.4	24.4	18.5	19.9	34	..	1.6	..	8.5	0	2	28	2	2	5	1	0	0	7	13	0	0
	1430	,,	994.8	976.4	..	39.8	24.6	17.4	19.9	28	..	2.1	..	10.5	0	3	27	3	1	1	0	0	0	11	14	0	0
	2030	,,	994.2	975.5	..	35.5	23.6	17.8	20.4	37	..	1.8	..	4.5	0	0	28	0	1	4	2	1	0	17	3	2	0
	2330	,,	995.6	976.8	..	33.0	22.7	17.1	19·5	42	..	1.2	..	5.1	0	0	28	1	1	7	2	0	1	16	0	2	0
Aligarh	0830	187	998.3	977.4	..	33.9	23.2	17.5	20.0	37	—19	1.3	—1.0	7.4	0	1	29	7	0	0	0	0	3	13	7	0	0
	1730	,,	994.2	973.7	..	39.9	24.6	16.0	18·2	26	..	0.8	..	6.5	0	0	30	5	0	0	0	2	0	17	6	0	0
Mainpuri	0830	157	997.4	980.3	—1.1	35.0	24.8	19.4	22·5	41	—12	0.5	—2.5	8.6	0	2	27	0	0	0	2	0	0	1	26	1	0
	1730	,,	993.4	976.7	..	41.3	26.0	18.1	20.8	28	..	2.3	..	9.2	0	1	28	0	0	0	0	0	0	1	28	1	0
Agra	0830	169	998.6	980.2	—0.1	35.4	24.8	19.5	22.7	41	—4	1.6	—1·0	1.1	0	0	4	0	0	0	0	0	2	0	2	26	0
	1730	,,	994.4	976.4	..	40.4	27.2	21.1	25.0	34	..	2.7	..	1.7	0	0	7	0	0	0	0	0	4	0	3	23	0
(Aerodrome)	0530	,,	996.8	978.3	..	29.8	22.3	18.1	20.8	50	..	2.0	..	12.6	0	4	25	0	0	0	0	0	4	21	4	1	0
	0830	,,	998.5	979.5	..	34.3	24.5	19.6	22.8	46	..	1.3	.	18.9	0	8	22	2	0	0	0	0	0	16	12	0	0
	1130	,,	997.9	979.9	..	40.0	25.7	18.7	21.6	30	..	0.9	..	21.7	0	17	13	6	0	0	0	0	0	5	19	0	0
	1730	,,	994.2	976.4	..	43.1	25.1	17.3	19.7	27	..	2.9	..	18.0	0	12	18	5	0	1	0	0	1	12	11	0	0
	2330	,,	996.7	977.9	..	32.4	23.1	17.8	20.4	46	..	1.3	..	9.8	0	1	26	1	1	1	0	0	2	16	6	3	0
Orai	0830	141	999.2	983.9	..	37.2	25.0	18.7	21.6	35	..	0.8	..	4.0	0	0	30	7	1	0	1	3	0	1	17	0	0
	1730	,,	994.6	979.5	..	40.2	25.2	17.0	19.4	27	..	2.0	..	4.1	0	0	30	1	3	0	0	0	6	5	15	0	0
Jhansi	0830	251	998.5	971.3	—0·7	33.4	23.0	17.0	19.4	39	—11	2.0	—0.7	3.5	0	0	28	2	0	3	0	3	3	17	0	2	0
	1730	,,	995.4	968.8	..	40.6	24.8	15.9	18.0	25	..	4.3	..	4 3	0	0	29	5	0	6	0	6	0	7	5	1	0
Punjab (Including Delhi)																											
Pathankot	0530	312	996.6	962.2	..	27.6	19.0	12.8	14.8	41	..	1.0	..	3.3	0	1	13	4	6	1	0	0	1	1	1	16	0
	0830	,,	997.3	963.5	—0.5	33.4	21.0	12.7	14.7	30	—5	1.3	—1.3	7.8	0	0	27	5	11	5	3	2	1	0	0	3	0
	1130	,,	996.7	963.5	..	37.4	22.6	13.1	15.1	24	..	1.6	..	10.3	0	0	29	5	0	1	0	16	5	2	0	1	0
	1730	,,	993.4	960.5	..	40.0	22.2	9.1	11.5	17	..	1.9	..	14.8	0	5	25	8	1	2	0	0	3	8	8	0	0
	2330	,,	995 9	961.9	..	31.0	20.5	13.4	15.3	36	..	1.4	..	7.2	0	3	12	6	7	1	0	0	0	1	0	15	0
Bhuntar	0830	1096	1444.2	884.9	..	22.2	16.5	12.6	14.6	55	..	1.2	..	3.9	0	0	26	7	6	8	0	4	0	0	1	4	0
	1130	,,	1432.1	882.9	..	29.6	18.9	11.9	13.9	34	..	1.9	..	7.7	0	1	28	0	0	1	7	13	1	0	1	1	6
	1730	,,	1414.8	881.1	..	30.5	18.8	10.9	13.0	32	..	3.7	..	16.7	0	10	20	7	2	1	7	8	1	0	4	0	0
Amritsar (Rajasansi)	0530	234	996.4	970.3	..	25.5	20.6	17.6	20.1	62	..	1.0	..	4.7	0	0	23	4	2	6	2	0	2	4	3	7	0
	0830	,,	997.2	971.6	—0.4	32·6	23.0	17.6	20.1	42	—5	1.4	—0.2	8.7	0	1	24	1	5	3	1	4	6	1	4	5	0
	1130	,,	996.9	971.8	..	38.5	24.2	16.1	18.3	28	..	1.6	..	10.1	0	1	26	1	1	2	1	2	4	9	7	3	0
	1430	,,	995.2	970.4	..	40.8	24.5	15.1	17.1	23	..	1.3	..	8.9	0	0	27	1	1	0	1	2	6	7	9	3	0
	1730	,,	993.6	968.8	..	40.4	24.2	14.6	16.6	23	..	1.3	..	11.4	0	2	27	1	0	1	1	0	6	9	11	1	0
	2030	,,	994.9	969.4	..	33.0	22.8	16.9	19.3	39	..	1.8	..	10.4	0	4	19	1	1	2	0	1	4	9	5	7	0
Adampur (Aerodrome)	0830	249	997.1	970.6	..	32.9	23.2	17.8	20.8	41	..	1.0	..	10.5	0	2	24	2	2	5	3	6	3	2	3	4	0
	1730	,,	993.8	967.5	..	38.7	24.6	16.9	19.3	29	..	1.6	..	18.1	0	3	27	1	0	1	0	0	2	13	13	0	0
Ludhiana	0830	247	996.9	970.1	—1.2	33.5	23.7	18.5	21.2	41	—8	0.5	—1.4	5.0	0	1	27	1	1	1	3	2	4	10	6	2	0
	1730	,,	993.3	967.3	..	41.2	24.9	15.9	18.0	23	..	0.9	..	7.7	0	0	29	0	1	0	0	0	2	3	23	1	0
Ferozepore	0830	200	997.9	975.8	..	31.4	23.7	19.7	22.9	51	..	0.8	..	1.5	0	0	20	3	2	3	1	1	3	3	4	10	0
	1730	,,	994.8	973.5	..	39.8	24.8	16.4	18.6	27	..	0.4	..	1.9	0	0	23	7	3	1	1	0	4	1	6	7	0

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Punjab (Including Delhi)—(Contd.)																											
Halwara (Aerodrome)—*contd.*	0830	242	993·7	971·1	..	33·1	23·1	17·3	19·7	40	..	0·6	..	10.8	0	2	25	3	0	0	0	3	6	10	5	3	0
	1730	,,	993.8	968.1	..	39.5	23.3	13.1	15.1	22	..	1.1	..	14.8	0	2	28	3	0	0	0	0	4	10	13	0	0
Chandigarh . .	0830	347	996.9	959.1	−0.4	33.5	22.7	16.1	18.3	38	−8	0.5	−0.9	2.9	0	0	22	0	0	0	10	0	0	0	12	8	0
	1730	,,	992.5	955.7	..	39.6	27.1	21.1	25.0	37	..	1.9	..	3.7	0	0	30	0	5	0	12	0	0	0	13	0	0
Ambala . . .	0830	272	997.0	967.5	−1.2	32.3	23.2	18.1	20.8	44	−3	0.3	−1.9	0.2	0	0	3	0	0	0	1	0	0	1	1	27	0
	1730	,,	995.0	965.9	..	38.8	25.5	18.6	21.4	32	..	0.4	..	3.1	0	0	27	0	3	0	14	0	5	0	5	3	0
Ambala (P.B.O.) .	0230	278	995.0	964.8	..	32.1	23.1	19.8	23.1	49	..	0.6	..	7.5	0	0	25	0	2	0	1	0	2	5	15	5	0
	0530	,,	955.8	965.2	..	30.3	22.6	19.4	22.5	49	..	1.0	..	5.9	0	0	25	2	0	0	5	0	2	4	12	5	0
	1130	,,	996.6	966.9	..	38.1	26.3	22.3	26.9	41	..	0.9	..	10.1	0	1	24	0	0	0	1	0	0	7	16	5	1
	1430	,,	994.6	965.2	..	40.2	26.9	22.0	26.4	36	..	1.3	..	13.2	0	0	29	0	1	0	0	0	4	10	14	1	0
	2030	,,	993.8	964.0	..	36.7	25·3	20.8	24.6	40	..	0.9	..	6.4	0	0	25	0	0	1	0	1	3	9	11	5	0
	2330	,,	994.9	964.9	..	34.2	24.7	20.9	24.7	47	..	0.6	..	9.4	0	0	27	0	2	1	0	1	3	10	10	3	0
Ambala (Aerodrome)	0530	274	996.0	965.8	..	27.9	21.0	16.8	19.1	51	..	1.3	..	7.5	0	3	18	1	0	1	5	1	0	5	7	9	1
	0830	,,	996.9	967.1	..	33.1	23.3	17.8	20.4	41	..	0.6	..	12.5	0	2	27	2	1	0	3	1	3	9	7	1	3
	1130	,,	996.2	967.0	..	33.2	24.4	16.6	18.9	29	..	0.9	..	19.0	0	13	17	1	0	0	2	0	1	9	16	0	1
	1730	,,	992.9	963.9	..	39.7	23.9	14·3	16.3	23	..	1.4	..	18.8	0	17	12	0	0	0	0	0	1	11	17	1	0
	2330	,,	995.0	965.3	..	32.2	22.3	16.3	18.5	39	..	0.7	..	8.9	0	2	23	1	1	2	0	1	0	13	7	5	0
Patiala . . .	0830	251	997.4	970.3	..	33.8	24.0	18.9	21.8	42	..	0.7	..	7.4	0	0	25	1	0	0	2	0	0	0	22	5	0
	1730	,,	993.4	967.2	..	4..0	24.5	15.6	17.7	25	..	1.3	..	12.3	0	0	26	2	0	0	0	0	0	0	24	4	0
Bhatinda . .	0830	211	997.6	974.7	..	34.5	27.3	24.1	30.0	55	..	0.6	..	(b) 4.3	0	0	24	0	0	0	0	0	9	0	15	5	0
	1730	,,	994.3	971.8	..	39.6	26·8	20.5	24.1	35	..	0.9	..	4.2	0	0	26	0	1	0	0	0	6	1	18	4	0
Karnal . . .	0830	249	996.2	969.6	..	34.4	22.9	15.9	18.1	34	..	0	..	3.6	0	0	30		0	0	0	0	0	0	30	0	0
	1730	,,	993.1	966.6	..	39.3	23.3	13.1	15.0	24	..	0	..	2.8		0	29	0	0	0	0	0	0	0	29	1	0
Hissar . . .	0530	221	996.8	972.7	..	30.0	23.3	20.1	23.5	57	..	1.3	..	8.6	0	2	28	3	0	0	0	2	16	8	1	0	0
	0830	,,	998.5	974.4	+0.5	32.6	25.4	22.0	26.4	55	+7	0.8	−0.7	12.3	0	7	22	0	0	0	1	1	19	7	1	1	0
	1130	,,	998.1	974.4	..	37.5	27.1	21.9	26.3	43	..	0.6	..	17.9	0	14	16	0	0	0	0	0	9	20	1	0	0
	1730	,,	994.5	971.0	..	40.1	26.3	19.8	23.1	31	..	2.9	..	10.9	0	2	28	2	0	0	1	1	4	18	4	0	0
	2330	,,	996.0	972.0	..	33.3	24.2	19.4	22.5	45	..	1.1	..	4.0	0	0	27	1	0	0	1	2	8	14	1	3	0
New Delhi (Safdarjung)	0230	216	996.2	972.6	..	32.5	21.3	14.1	16.1	33	..	2.0	..	14.3	0	6	21	1	0	0	0	0	3	20	3	3	0
	0530	,,	997.0	973.2	..	30.9	21.2	15.2	17.3	39	..	1.7	..	15.6	0	9	18	2	0	0	0	0	2	17	6	3	0
	0830	,,	998.5	974.9	−0.3	32.8	22.6	16.7	19.0	38	−8	1.5	−1.0	25.3	0	23	7	1	1	0	0	1	2	15	10	0	0
	1130	,,	998.1	974.8	..	37.4	24.3	17.0	19.4	31	..	1.4	..	28.4	0	27	3	1	0	0	0	0	1	13	15	0	0
	1430	,,	996.1	973.1	..	39.9	24.5	15.8	17.9	25	..	2.4	..	24.1	1	18	11	1	0	0	0	0	2	11	16	0	0
	1730	,,	994.7	971.6	..	39.4	23.5	13.5	15.9	23	..	2.6	..	23.0	0	22	8	1	0	0	1	0	5	5	18	0	0
	2030	,,	995.3	972.0	..	36.5	22.6	14.1	16.1	27	..	2.4	..	14.0	0	6	23	2	0	0	0	0	3	17	7	1	0
	2330	,,	996.4	972.9	..	34.2	22.1	14.4	16.4	31	..	1.8	..	13.3	0	5	22	0	0	0	0	0	6	19	2	3	0
Palam (Aerodrome) .	0230	233	996.3	970.8	..	30.9	22.2	17.0	19.4	45	..	1.7	..	8·0	0	1	27	1	0	0	0	0	7	17	3	2	0
	0530	,,	997.2	971.5	..	29·4	21.7	17·2	19·6	48	..	1·6	..	8·4	0	1	26	2	1	0	0	0	7	14	3	3	0
	0830	,,	998.5	973.1	..	33.1	24·1	19·6	22·0	46	..	1.5	..	19·8	0	14	16	1	1	0	0	1	1	20	6	0	0
	1130	,,	998.1	973·1	..	38·0	25·6	19·3	22·4	35	..	1.1	..	24·0	0	19	11	1	0	0	0	0	0	15	14	0	0
	1430	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	994·4	969·8	..	39·9	25·2	17·3	19·7	28	..	3·0	..	19 3	0	14	16	1	1	0	0	1	2	10	15	0	0
	2030	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2330	,,	996·1	971·0	..	32·6	22·9	17·3	19·7	41	..	1·9	..	8.9	0	0	29	0	0	0	0	0	9	17	3	1	0
Himachal Pradesh																											
Mandi . . .	0830	761	998·1	916.2	−1 3	26.1	19·0	14.7	16·7	52	−5	1·3	−0·9	0.7	0	0	6	2	2	0	0	0	1	0	1	24	0
	1730	,,	993·5	914·1	..	34·2	20.3	11·2	13·3	28	..	3·9	..	2.9	0	0	18	2	1	0	0	0	1	4	10	12	0
Bilaspur . . .	0830	587	1001.6	938·2	..	27·3	21·9	19·2	22·4	62	..	0.2	..	0	0	0	0	0	0	0	0	0	0	0	0	30	0
	1730	,,	992·2	931·7	..	36·6	23·5	16·2	18·4	33	..	1.1	..	1.5	0	0	13	0	1	2	0	1	3	6	0	17	0
Jammu and Kashmir																											
Misgar . (R)	0830	,,																									
(R)	1730	,,																									
Gilgit . (R)	0830	,,																									
(R)	1730	,,																									
Skardu . (R)	0830	,,																									
(R)	1730	,,																									

(R) Register not received. (b) Mean of 29 days.

Sub-Division and station	Hour of observation I. S. T	Station elevation in meters	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C.: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	20 to 61	1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Jammu and Kashmir—(*Contd.*)																											
Leh	0530	3514	3096·2	665·6	..	5·5	1·5	—3·5	4·6	54	..	(b) 1·7	..	(b) 3·5	0	0	21	7	14	0	0	0	0	0	0	8	0
	0830	,,	3093·8	666·2	+0·7	13·6	7·0	0·3	6·2	42	0	(b) 2·8	—0·3	(b) 1·2	0	0	8	0	0	0	0	6	2	0	0	21	0
	1730	,,	3092.3	667·1		18·2	8·8	—1·3	6·1	32	..	(b) 3·4	..	(b) 4·1	0	0	29	0	3	0	1	3	11	5	6	0	0
Srinagar	0830	1587	1459·3	837·7	+1·5	19·5	14·9	12·0	14·1	63	—12	1·6	—0·6	2·7	0	0	24	2	3	6	6	2	1	1	3	6	0
	1130	,,	1452.9	837.2	..	23.9	16·8	12.6	14.6	51	..	2.3	..	3.1	0	0	26	10	0	1	1	6	2	3	3	4	0
	1430	,,	1442·7	836·4	..	26·0	17·6	12·8	14·8	47	..	3·1	..	3·2	0	0	26	3	2	1	0	2	1	7	10	4	0
	1730	,,	1430·8	835·3	..	26·1	16·9	11·7	13·6	42	..	3·3	..	3·7	0	1	21	3	1	3	4	2	1	3	5	8	0
	2030	,,	1442·1	835·8	..	21·7	15·7	12·0	14·0	55	..	2·6	..	4·1	0	0	17	5	2	3	0	2	1	0	4	13	0
Srinagar (Aerodrome)	0530	1666	1434·5	827·5	..	14·5	11.5	9·3	11.7	72	..	1·8	..	3·4	0	0	19	0	1	3	2	7	1	3	2	11	0
	0830	,,	1441·7	828·6	..	19·4	14·5	11·4	13·5	61	..	1·8	..	3·8	0	0	18	4	0	7	2	0	0	1	4	12	0
	1130	,,	1436·9	828·4	..	23·0	15·9	11·5	13·6	50	..	2·6	..	4·1	0	0	21	6	4	1	1	2	0	1	6	9	0
	1730	,,	1412·9	826·3	..	25·6	15·8	9·0	11·5	37	..	4·2	..	8·2	0	3	20	4	0	1	3	5	3	0	7	7	0
	2330	,,	1431·6	827·5	..	18·3	13·5	9·9	12·2	60	..	2·4	..	1·5	0	0	11	0	2	0	0	2	5	0	2	19	0
Gulmarg	0830	2655	3093·2	737·4	+0·1	15·4	10·1	5·5	9·0	54	—1·4	1·6	—1·1	3·1	0	0	26	3	13	8	0	1	1	0	0	4	0
	1730	,,	3087·4	736·8		16·7	10·9	6·0	9.3	53	..	4·3	..	4·0	0	0	24	0	4	6	1	2	7	4	0	6	0
Qazigund	0830	1690	..	..	..	18·7	14·2	11·2	13·3	62	..	1·8	..	0·3	0	0	4	0	0	0	1	0	1	2	0	26	0
	1730	,,	..	..	..	25·1	16·4	11·0	13·1	44	..	4·6	..	1·6	0	0	19	1	2	2	4	1	3	3	3	11	0
Banihal	0830	..	..	..	..	20·6	14·6	10·5	12·7	53	..	1·4	..	2·1	0	1	3	0	0	0	0	0	0	0	4	26	0
	1730	..	..	..	..	25·7	16·7	11·1	13·2	42	..	4·6	..	6·6	0	0	17	0	0	0	0	0	0	0	17	13	0
Jammu	0830	366	..	..	..	33·0	21·9	15·1	17·1	35	—9	1·5	—0·7	5·2	0	0	28	4	11	1	1	0	0	0	1	2	10
	1730	,,	..	..	..	33·9	24·4	19·1	22·1	44	..	0·5	..	6·8	0	0	28	0	0	0	0	0	0	0	0	2	28
Jammu (Aerodrome)	0530	292	996·3	963·9	..	27·4	19·6	14·4	16·4	47	..	1·5	..	4·9	0	0	17	3	10	3	0	0	0	1	0	13	0
	0830	,,	997·1	965·3	..	32·3	21·7	15·0	17·0	37	..	1·5	..	8·0	0	1	22	3	13	4	2	0	0	0	0	7	0
	1130	,,	996·7	965·3	..	36·9	22·5	13·4	15·4	25	..	1·7	..	8·0	0	1	25	0	4	0	3	8	5	4	2	4	0
	1730	,,	993·4	962·1	..	39·5	23·1	12·7	17·0	21	..	1·8	..	11·6	0	1	29	2	1	0	0	0	5	18	4	0	0
	2330	,,	995·4	963·6	..	30·6	21·2	14·8	16·8	40	..	1·0	..	6·1	0	2	10	3	7	1	0	0	0	1	0	18	0
Rajasthan (West)— Ganganagar	0530	177	996·3	976·9	..	29·7	21·9	17·3	19·7	48	..	0·1	..	4·0	0	2	10	0	0	1	0	1	6	4	0	18	0
	0830	,,	997·7	968·3	+0·3	32·2	23·3	18·4	21·1	45	+2	0·6	—0·4	10·0	0	3	26	0	0	0	1	1	20	6	1	1	0
	1130	,,	997·5	978·4	..	37·3	25·0	18·2	20·9	33	..	0·9	..	6·9	0	0	28	1	0	0	1	1	11	12	2	2	0
	1730	,,	993·8	975·0	..	41·0	24·8	15·8	17·9	24	..	0·7	..	5·7	0	0	29	0	0	0	1	2	11	8	7	1	0
	2330	,,	995·6	976·3	..	32·4	23·4	18·5	21·3	45	..	0·4	..	1·5	0	1	3	0	2	0	0	1	0	1	0	26	0
Anupgarh (R)	0830	154																									
(R)	1730	,,																									
Maha'an	0830	187	997·3	976·9	..	32·6	26·3	23·2	28·4	60	..	..	..	(e) 10·1	0	4	22	0	0	1	0	4	21	0	0	0	0
	1730	,,	994·0	974·4	..	39·7	26·4	19·9	23·2	33	..	..	..	(f) 7·3	0	1	24	0	0	0	1	6	18	0	0	0	0
Churu	0830	291	999·7	967·9	..	32·1	23·9	19·8	23·1	51	..	0·9	..	26·3	0	25	5	0	0	0	0	0	3	25	2	0	0
	1730	,,	995·2	964·2	..	39·5	23·9	14·3	16·3	24	..	(b) 1·7	..	21·7	0	20	10	3	0	1	0	1	1	22	2	0	0
Bikaner	0830	224	999·7	975·3	+1.3	30·8	24·3	21·3	25·3	58	+7	0·3	—1.0	18·3	0	15	15	0	1	0	0	1	25	3	0	0	0
	1730	,,	994·7	970·6	..	41·1	24·0	12·5	15·5	21	..	0·1	..	13·5	0	8	21	0	1	0	0	0	22	4	2	1	0
Bikaner P.B.O.	0530	224	998·3	973·6	..	30·1	23·5	20·0	23·7	56	..	1·4	..	11·9	0	5	24	0	0	0	0	4	21	4	0	1	0
	1130	,,	999·1	974·8	..	36·3	25·1	19·6	22·9	39	..	(c) 0·5	..	14·2	0	4	26	0	0	0	1	2	24	3	0	0	0
	2330	,,	996·9	972·6	..	35·0	22·7	15·6	17·9	32	..	1·5	..	11·1	0	5	22	0	1	1	1	3	21	0	0	3	0
Nagaur	0830	298	1000·4	967·9	..	31·8	24·8	21·3	25·3	54	..	0·3	..	15·3	0	8	22	0	0	0	0	13	14	3	0	0	0
	1730	,,	995·6	963·5	..	39·7	25·2	17·0	19·4	29	..	0·2	..	11·7	0	6	24	0	0	0	0	11	16	3	0	0	0
Phalodi	0830	234	1000·9	975·1	..	29·0	24·2	21·8	26·1	65	..	0·9	..	33·8	0	29	1	0	0	0	8	7	23	0	0	0	0
	1730	,,	996·4	971·9	..	40·4	24·6	15·8	17·9	24	..	0·6	..	26·0	0	21	9	0	0	0	0	3	25	2	0	0	0
Jaisalmer	0830	242	999·4	972·6	..	27·9	22·1	18·9	21·8	59	..	0·5	..	29·2	0	25	5	0	0	0	1	15	14	0	0	0	0
	1730	,,	994·8	969·1	..	40·0	23·8	14·0	16·0	23	..	0·4	..	20·4	0	14	16	0	0	0	0	16	14	0	0	0	0
Jodhpur	0230	224	998·9	974·3	..	31·4	23·7	19·6	22·5	50	..	0·9	..	17·1	0	9	21	1	0	0	0	0	18	11	0	0	0
	0530	,,	1000·3	975·4	..	28·6	23·8	21·7	26·0	66	..	1·6	..	19·4	0	15	14	0	0	0	0	0	16	13	0	1	0
	0830	,,	1001·9	977·1	+3·0	29·1	24·4	22·2	26·7	66	+6	2·4	—0.4	19·5	0	16	14	0	0	0	0	0	19	11	0	0	0
	1130	,,	1001·1	976·6	..	34·7	24·7	19·8	22·6	43	..	0·4	..	21·0	0	20	10	0	0	0	0	0	23	7	0	0	0
	1430	,,	998·5	974·3	..	38.6	24·7	17·3	19·7	28	..	0·1	..	20·8	0	18	12	0	0	0	0	0	20	9	1	0	0
	1730	,,	996.6	972·6	..	39·5	24·2	15·4	17·5	25	..	0·3	..	19·9	0	16	14	0	0	0	0	0	17	12	1	0	0
	2030	,,	997·6	973·4	..	36·9	23·5	15·6	17·6	29	..	0.5	..	14·9	0	8	22	0	0	0	0	0	24	6	0	0	0
	2330	,,	999·0	974·5	..	34.4	23·2	16·6	18·9	35	..	0·8	..	12·7	0	7	23	2	1	0	0	0	23	3	1	0	0

(R) Register not received. (b) Mean of 29 days. (e) Mean of 26 days. (f) Mean of 25 days. (c) Mean of 28 days.

Sub-Division and station	Hour of observation I. S. T.	Station elevation in meters.	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Rajasthan (West) – (*Contd*)																											
Barmer	0530	194	999·7	978·0	..	27·2	25·5	24·8	31·3	87	..	2·1	..	12·5	0	3	27	0	0	0	0	2	23	5	0	0	0
	0830	,,	1001·0	979·4	+0·9	28·8	26·1	24·9	31·5	79	+9	2·3	−0·7	11·5	0	0	30	0	0	0	0	3	26	1	0	0	0
	1130	,,	1000·4	979·1	..	33·9	27·0	24·0	29·8	56	..	0·3	..	14·5	0	6	24	0	0	0	0	8	22	0	0	0	0
	1730	,,	995·9	975·2	..	40·2	28·7	23·8	29·5	40	..	0·2	..	12·6	0	1	29	0	0	0	0	3	23	3	1	0	0
	2330	,,	998·9	977·6	..	32·7	27·0	24·6	30·9	63	..	0.2	..	15·3	0	3	27	1	0	0	0	2	21	6	0	0	0
Jirinpura (Jawai Dam)	0830	295	1002·8	970·3	..	29·2	25·2	23·1	28·3	69	..	1·8	..	11·3	0	1	29	0	0	0	1	10	13	6	0	0	0
	1730	,,	997·8	966.0	..	37·9	27·7	23·2	28·4	44	..	0·9	..	9·4	0	0	30	0	0	0	0	0	10	20	0	0	0
Munabao	0830	80	(b) 1001.7	(b) 992.8	..	28.3	..	..	..	..	..	1.2	..	(b) 18·4	0	11	18	0	0	0	0	0	29	0	0	0	0
	1730	,,	998.4	989.5	..	39.4	..	..	..	..	..	0	..	19.0	6	11	19	0	0	0	0	0	30	0	0	0	0
Rajasthan (East)																											
Pilani	0830	301	999.7	966.9	..	31.8	23.1	18·2	20·9	45	..	0·8	..	31.9	0	25	5	0	0	0	0	1	8	21	1	0	0
	1730	,,	995.6	963.6	..	38.5	23·6	14·2	16·2	26	..	1·7	..	23·0	0	21	9	2	0	0	0	1	4	18	4	0	0
Sikar	0830	433	999·8	952·9	..	29·8	23.7	20·6	24·3	58	..	0.9	..	3·5	0	2	25	0	0	0	0	0	1	25	1	3	0
	1730	,,	995·1	949·5	..	37·7	23·4	14·6	16·6	27	..	1·1	..	1·2	0	0	26	1	0	0	0	0	1	15	9	4	0
Alwar	0830	271	997·5	960·1	..	33·9	24·5	19·5	22·7	43	..	1·6	..	4·2	0	0	27	2	0	0	0	1	7	12	5	3	0
	1730	,,	994.4	965·7	..	39.9	24.6	15·9	18.1	25	..	2·9	..	3·0	0	0	27	2	1	0	0	0	3	12	9	3	0
Jaipur (Sanganer)	0230	390	997·5	955·1	..	30·4	21·0	14·9	16·9	40	..	1.1	..	5·1	0	0	19	0	0	0	0	0	1	10	8	11	0
	0530	,,	998·5	955 8	..	28·7	20.9	16·1	18·3	47	..	1·4	..	7·1	0	2	24	1	0	0	0	0	4	8	13	4	0
	0830	,,	999·6	957·3	-0·1	31·9	23·1	18·5	21·3	46	−3	1·0	−1·2	20·6	0	20	9	1	0	0	0	0	0	15	13	1	0
	1130	,,	999·0	957·2	..	35.8	24.0	17·5	20·0	35	..	0·4	..	20·2	0	17	13	0	1	0	0	0	0	19	10	0	0
	1430	,,	996·5	955·3	..	39·0	23·4	13·7	15·7	23	..	1·6	..	14·1	0	5	25	0	0	0	0	0	2	17	11	0	0
	1730	,,	995·0	953·8	..	38·5	22·9	12·8	14·8	24	..	2·2	..	11·9	0	1	28	1	0	1	0	0	3	12	12	1	0
	2030	,,	996·2	954·4	..	34·9	21·9	13·5	15·5	28	..	1·6	..	4·8	0	0	19	1	2	0	0	1	1	7	7	11	0
	2330	,,	997·8	955·5	..	32·0	21·3	14·5	16·5	35	..	0·9	..	5·0	0	0	20	0	1	1	0	0	2	12	4	10	0
Dholpur	0830	176	998·1	979.0	..	35·2	27·1	23·5	28·9	52	..	0·9	..	10·8	0	6	23	2	0	0	0	0	0	21	6	1	0
	1730	,,	994·2	975·5	..	40.1	28·5	23·3	28·6	40	..	3·0	..	5·1	0	0	24	3	0	0	1	1	3	8	8	6	0
Ajmer	0830	486	1001.1	948·2	+0·6	29·1	23·0	20·2	23.7	59	+3	1·5	−0·7	23·7	0	25	5	0	0	0	0	0	13	17	0	0	0
	1730	,,	995·6	944·5	..	38·2	22·7	14·1	16·1	25	..	0·9	..	15·1	0	2	28	0	0	0	0	0	9	21	0	0	0
Tonk	0830	272	998·8	969·2	..	32·9	26·6	23·9	29·6	59	..	0·9	..	12·3	0	2	28	0	0	0	0	0	1	28	1	0	0
	1730	,,	994·2	965·4	..	39 6	27·0	21·0	24·9	35	..	2·6	..	9·7	0	0	30	0	1	0	2	0	6	18	3	0	0
Bhilwara	0830	425	1001·3	955·2	..	30·7	23 1	18·9	21·8	50	..	0·6	..	17·5	0	11	19	0	0	0	0	0	12	15	3	0	0
	1730	,,	996·2	951·5	..	38·2	22·6	12·6	14·6	24	..	3·6	..	11·7	0	1	29	4	2	0	1	2	13	5	3	0	0
Kota	0830	257	1000·0	972·4	+0.6	33 5	25·2	21·0	24·9	49	+2	2.0	−0·6	20·3	0	20	8	0	0	0	0	0	0	21	7	2	0
	1730	,,	995·9	968.5	..	39.1	25·6	18·3	21·0	32	..	3.6	..	7·0	0	4	15	1	0	1	1	2	4	6	4	11	0
Kota (Aerodrome)	0530	274	999·2	969·3	..	31·1	22·2	17·0	19·4	45	..	1·7	..	14·6	0	9	21	1	0	0	0	0	5	24	0	0	0
	0830	,,	1000·9	971·0	..	32·8	23·6	18·6	21·4	44	..	1·6	..	18·0	0	13	16	0	0	0	0	0	3	25	1	1	0
	1130	,,	1000·4	970·9	..	36.6	24.0	16·9	19·3	32	..	1 6	..	71·3	0	14	16	0	0	0	0	0	3	25	2	0	0
	1730	257	996·1	966·3	..	39·1	23·2	13·5	15·5	22	..	3·0	..	14·1	0	7	21	1	0	0	2	0	10	10	5	2	0
	2330	,,	998·9	969·3	..	34·4	22·7	15·6	17·7	34	..	2·1	..	16·7	0	12	17	1	0	0	3	3	13	8	1	1	0
Chambal (Rawat Bhatta Dam)	0830	351	1001·5	963·1	..	31·2	24·9	22·0	26·4	56	..	0·8	..	13·7	0	3	27	0	0	0	0	0	7	14	9	0	0
	1730	,,	996·3	959·1	..	38·1	25·2	18·4	21·1	33	..	2·1	..	12·5	0	5	24	0	0	0	0	3	13	8	5	1	0
Udaipur	0230	582	1000·7	937·7	..	28·4	22·0	18·8	21·7	56	..	0.4	..	6.2	0	0	23	0	0	1	0	6	13	2	1	7	0
	0530	,,	1001·3	937·9	..	26·5	21·9	19·7	22·9	66	..	0·9	..	5.2	0	0	23	0	0	0	2	4	11	5	0	7	0
	0830	,,	1002·4	939·3	+0·9	28.8	22·5	19·5	22·7	58	−5	1·1	−1·3	5.5	0	0	27	0	0	0	3	6	11	6	1	3	0
	1130	,,	1001·6	939·3	..	33·0	23·0	18·1	20·8	42	..	1·1	..	6·6	0	0	29	0	0	0	1	11	12	3	2	1	0
	1730	,,	997·7	936.3	..	35·8	23·2	16·7	19·0	33	..	1·7	..	7·0	0	0	29	0	0	0	2	9	15	3	0	1	0
	2330	,,	1000·4	937·9	..	30·9	22·2	17·7	20·4	46	..	0.4	..	5.0	0	0	17	0	0	0	0	4	9	3	1	13	0
Jhalawar	0830	321	1000·9	965·9	+0·7	31·3	24·0	20·6	24·3	53	−10	2·8	−0·3	13·6	0	1	29	0	0	0	0	0	14	15	1	0	0
	1730	,,	996·2	962·0	..	37·5	23·5	14·8	16·8	28	..	4·0	..	9·6 (b)	0	1	29	0	1	1	2	2	8	12	3	0	1
Banswara	0830	220	1004·1	979·8	..	30·5	24·4	21.6	25·8	61	..	1·4	..	14·3	0	3	26	0	0	1	0	2	14	12	1	0	0
	1730	,,	999·0	975·3	..	37·9	24·2	16·6	18·9	29	..	0·8	..	13·0	0	0	30	0	0	0	0	4	17	7	2	0	0
Madhya Pradesh (West)																											
Gwalior	0230	207	996·5	974·0	..	33·5	22·3	15·4	17·8	35	..	2·4	..	11·7	0	4	23	1	0	0	0	3	7	13	4	3	0
	0530	,,	997·2	974·6	..	32·6	22·0	15·5	17·8	37	..	2·7	..	12·2	0	9	20	0	0	0	1	3	6	18	1	1	0
	0830	,,	998·6	976·1	+0.1	35·6	23·2	15·9	18·3	31	−12	2·0	−0·5	19·9	0	15	15	0	0	0	0	1	0	17	12	0	0
	1130	,,	998·2	976·1	..	39·5	24·0	15·0	17·2	24	..	2·7	..	19·7	0	16	14	0	0	0	0	0	0	9	21	0	0
	1430	,,	996·1	974·2	..	41·4	24·1	14·0	16·0	21	..	4·3	..	16·3	0	7	23	2	1	0	0	0	1	11	15	0	0
	1730	,,	994·6	972·6	..	40·1	23·8	13·9	16·1	23	..	4·1	..	15·6	0	9	21	3	0	0	0	1	2	11	13	0	0

†Date for less than 15 days hence no means calculated. (b) Mean of 29 days.

Sub-Division and station	Hour of observation I. S. T.	Station elevation in meters	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Km. Mean wind speed, per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observation: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh (West)—*Contd.* Gwalior—*contd.*																											
	2030	207	995.9	973.7	..	36.7	22.9	14.5	15.7	25	..	2.8	..	8.3	0	0	30	3	0	0	0	1	6	14	6	0	0
	2330	,,	996.9	974.6	..	34.7	22.4	14.9	17.0	32	..	2.7	..	9.6	0	1	27	1	0	0	1	3	6	14	3	2	0
Sheopur	0830	235	1000.4	974.8	+1.2	33.5	24.0	18.9	22.1	43	−9	1.3	−2.5	18.8	0	13	17	2	0	0	0	0	9	11	8	0	0
	1730	,,	995.5	970.9	..	40.0	23.8	14.0	16.2	23	..	3.3	..	15.3	0	8	21	2	0	2	1	0	5	13	6	1	0
Shivpuri	0830	464	1000.0	950.0	..	32.3	22.1	16.6	19.0	40	..	2.0	..	18.4	0	14	16	0	0	0	0	0	7	17	6	0	0
	1730	,,	995.0	946.0	..	37.5	22.6	14.2	16.5	28	..	4.2	..	7.8	0	0	30	0	0	1	0	3	2	7	17	0	0
Nowgong	0830	229	999.0	974.1	−0.3	33.8	23.6	17.8	20.7	40	−14	3.5	−0.5	9.5	0	0	29	0	0	1	0	5	11	8	4	1	0
	1730	,,	994.9	970.6	..	39.7	24.0	14.7	16.9	24	..	4.2	..	5.1	0	0	28	3	1	1	2	0	12	3	6	2	0
Guna	0530	478	999.8	947.7	..	28.6	22.9	20.1	23.8	61	..	3.2	..	16.9	0	8	22	1	0	0	0	2	11	16	0	0	0
	0830	,,	1000.9	949.1	+0.7	31.2	25.1	22.4	27.3	61	+5	3.6	+1.0	19.3	0	16	14	1	0	0	0	0	6	22	1	0	0
	1130	,,	999.9	949.0	..	35.8	25.9	22.2	27.4	47	..	3.6	..	19.7	0	14	16	1	0	0	0	0	5	19	5	0	0
	1730	,,	995.9	945.4	..	37.3	25.0	19.1	22.5	37	..	4.6	..	14.1	0	13	17	1	0	0	0	1	4	15	9	0	0
	2330	,,	999.3	947.7	..	31.3	23.2	19.2	22.4	50	..	3.5	..	14.1	0	5	25	2	0	1	2	4	8	11	2	0	0
Nimach	0830	496	1002.7	948.6	+1.3	29.2	22.5	19.4	22.4	56	−11	2.4	−0.9	29.5	0	30	0	0	0	0	0	0	5	25	0	0	0
	1730	,,	997.7	945.3	..	37.2	22.3	13.5	16.0	25	..	1.9	..	19.7	0	17	13	0	0	0	0	0	8	20	1	0	1
Rajgarh	0330	382	1001.7	960.1	..	30.4	24.4	21.4	25.6	60	..	3.2	..	20.0	0	17	13	0	0	0	0	1	2	23	4	0	0
	1730	,,	997.1	956.4	..	36.5	23.5	15.6	18.3	32	..	4.4	..	15.8	0	8	22	2	2	0	1	0	4	18	3	0	0
Sagar	0830	551	1000.7	941.1	+0.9	30.0	21.8	18.4	20.1	48	−10	3.8	0	5.6	0	0	29	0	1	1	0	0	5	13	9	0	0
	1730	,,	996.5	938.0	..	34.2	22.4	15.9	18.4	35	..	4.7	..	5.3	0	0	30	0	3	1	1	0	10	6	9	0	0
Ratlam	0830	486	1003.6	950.5	+1.9	28.2	23.1	20.6	24.7	64	−16	5.0	−0.5	23.1	0	12	18	0	0	0	0	0	11	17	2	0	0
	1730	,,	998.3	946.8	..	36.6	23.5	16.9	19.3	32	..	3.6	..	17.2	0	9	21	0	0	0	0	0	9	16	5	0	0
Bhopal (Bairagarh)	0230	523	999.8	943.2	..	28.4	21.2	17.2	19.9	54	..	4.3	..	15.7	0	9	20	0	0	0	0	1	8	19	1	1	0
	0530	,,	1001.1	943.9	..	27.0	21.2	18.0	20.9	60	..	5.0	..	19.9	0	16	14	0	0	0	0	2	6	18	4	0	0
	0830	,,	1002.3	945.5	+1.2	29.2	23.0	20.1	23.5	59	−4	4.1	..	24.1	0	27	3	0	0	0	0	0	3	20	7	0	0
	1130	,,	1001.2	945.3	..	33.6	23.9	19.2	22.5	44	..	3.5	..	20.2	0	20	10	2	0	0	0	0	1	19	8	0	0
	1430	,,	998.3	942.9	..	36.4	23.9	17.5	20.5	35	..	4.9	..	17.1	0	15	14	1	0	0	1	2	3	15	7	1	0
	1730	,,	997.2	941.6	..	35.3	23.2	16.9	19.5	36	..	4.7	..	18.8	0	15	14	1	0	0	1	1	4	16	6	1	0
	2030	,,	999.1	942.9	..	31.6	22.3	17.6	20.1	46	..	4.6	..	10.3	0	2	27	0	0	0	2	3	8	9	7	1	0
	2330	,,	1000.6	943.9		29.8	21.6	17.0	19.7	49	..	4.1	..	13.3	0	6	24	0	0	0	2	5	6	15	2	0	0
Ujjain	0330	489	1003.3	949.8	..	28.5	24.4	22.6	27.4	71	..	5.1	..	35.4	0	29	1	0	0	0	0	0	0	17	13	0	0
	1730	,,	997.6	945.8	..	36.5	24.8	19.4	22.7	37	..	4.5	..	24.4	0	23	7	0	1	0	0	0	0	19	10	0	0
Narsinghpur	0830	356	1001.4	962.5	..	30.8	25.4	22.9	27.6	63	..	6.0	..	5.2	0	0	30	0	1	0	0	1	12	3	13	0	0
	1730	,,	997.1	958.9	..	35.2	26.7	23.0	27.6	52	..	5.6	..	4.4	0	0	30	1	2	0	1	0	13	0	13	0	0
Hoshangabad	0830	302	1002.6	969.4	+1.0	29.7	24.8	22.7	27.3	66	+3	4.1	−0.3	4.4	0	0	30	3	4	1	0	3	15	4	0	0	0
	1730	,,	997.3	965.0	..	36.7	25.9	20.8	24.6	42	..	4.0	..	4.4	0	0	30	2	3	1	1	0	15	2	6	0	0
Indore	0530	567	1002.2	940.1	..	25.6	22.4	20.8	24.7	75	..	3.3	..	28.1	0	28	2	0	0	0	0	0	15	15	0	0	0
	0830	,,	1003.3	941.5	+1.2	28.0	23.1	20.9	24.7	66	−9	3.4	−1.2	35.6	1	28	1	0	0	0	0	0	15	14	1	0	0
	1130	,,	1001.9	941.2	..	32.6	23.8	19.6	22.9	47	..	3.0	..	31.6	0	29	1	0	0	0	0	0	16	12	2	0	0
	1730	,,	997.8	937.7	..	34.9	23.0	16.8	19.3	37	..	3.8	..	27.8	0	22	8	0	0	1	1	0	11	11	6	0	0
	2330	,,	1001.5	940.2	..	20.5	22.2	18.3	21.3	53	..	2.0	..	22.3	0	19	11	0	0	0	0	2	17	10	1	0	0
Rajpur (Jhahua	0830	293	1004.9	972.2	..	28.2	24.1	22.1	26.9	70	..	4.7	..	18.8	0	13	17	0	0	0	0	0	2	28	0	0	0
	1730	,,	999.4	967.9	..	36.2	24.1	17.5	21.0	34	..	3.7	..	19.5	0	13	17	0	0	0	0	1	3	26	0	0	0
Chhindwara	0830	685	1001.5	927.7	+0.7	28.2	22.8	20.0	23.8	64	−1	4.5	+0.1	16.0	0	8	22	4	0	0	0	0	2	15	9	0	0
	1730	,,	997.8	924.9	..	31.1	23.3	19.6	22.9	56	..	6.6	..	12.0	0	4	26	4	0	0	1	2	1	12	4	0	0
Seoni	0830	619	1001.6	934.8	+1.1	28.8	22.6	19.3	22.4	60	..	5.5	+1.2	8.7	0	0	30	2	0	0	0	2	13	7	6	0	0
	1730	,,	997.7	931.5	..	30.5	22.8	18.4	22.1	54	..	6.4	..	12.0	0	2	28	2	3	1	2	3	8	9	2	0	0
Betul	0830	653	1002.2	932.3	+1.3	27.1	23.0	21.0	25.0	71	+1	6.1	+0.7	8.6	0	0	30	0	0	0	0	0	1	13	16	0	0
	1730	,,	997.7	928.5	..	33.2	23.7	19.2	22.2	45	..	6.2	..	7.5	0	0	30	5	3	0	2	1	1	7	11	0	0
Khandwa	0830	318	1003.9	968.8	+1.6	29.1	24.0	21.5	25.6	64	−1	3.7	..	6.5	0	0	30	0	0	0	0	0	1	22	7	0	0
	1730	,,	998.5	964.3	..	35.7	24.6	18.6	21.8	39	..	4.8	−0.5 ..	4.7	0	0	29	0	2	0	1	0	15	4	7	1	0
Madhya Pradesh (East)																											
Satna	0530	317	997.8	963.1	..	29.9	22.0	17.2	19.9	49	..	4.0	..	6.6	0	0	28	0	0	1	0	3	7	17	0	2	0
	0830	,,	998.9	964.6	+0.1	33.6	23.3	17.1	20.0	40	−12	3.9	−0.1	8.7	0	1	29	0	0	1	0	0	6	23	0	0	0
	1130	,,	998.0	964.2	..	38.4	24.0	15.4	18.1	28	..	3.3	..	12.5	0	2	27	1	0	1	0	0	1	20	6	1	0
	1730	,,	994.3	960.8	..	39.8	23.6	14.2	15.9	25	..	4.4	..	7.9	0	1	29	3	0	0	0	2	1	19	5	0	0
	2330	,,	997.9	963.4	..	32.3	22.7	17.2	19.7	42	..	3.5	..	5.9	0	0	20	0	0	0	1	5	5	9	0	0	0

Sub-Division and station	Hour of observation I. S. T.	Station elevation in meters	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh (East).—(Contd.)																											
Sidhi	0830	272	998·3	968·6	..	33·2	25·3	21·5	25·8	51	..	4·3	..	2·0	0	0	27	1	5	2	6	2	3	8	0	3	0
	1730	,,	994·0	965·0	..	38·8	25·8	19·2	22·5	34	..	5·3	..	2·1	0	0	27	2	1	4	0	2	0	16	2	3	0
Umaria	0830	459	1000·3	950·7	..	31·3	25·7	23·4	28·9	64	+6	5·2	+0.1	9·5	0	1	29	1	0	0	0	0	7	16	1	0	5
	1730	,,	995·4	946·8	..	36·6	27·4	23·6	29·7	50	..	6·3	..	6·7	0	1	26	3	0	0	0	1	5	11	3	3	4
Jabalpur	0530	393	1000·1	957·0	..	28·1	23·1	20·4	24·1	66	..	5·8	..	3·9	0	0	24	0	0	1	0	5	11	7	0	6	0
	0830	,,	1001·2	958·5	+1·2	30·9	24·2	20·4	23·8	56	+1	5·1	+1·25	6·9	0	0	28	0	0	0	1	1	8	17	1	2	0
	1130	,,	1000·0	958.0	..	35·6	25·5	20·2	24·4	44	..	4·6	..	8·3	0	0	30	3	1	0	0	0	10	14	2	0	0
	1430	,,	997·1	955·6	..	38·2	25·8	19·2	21·7	35	..	5·5	..	8·9	0	1	29	1	1	0	0	0	6	17	5	0	0
	1730	,,	996·3	954·5	..	35·9	25·0	19·1	22·7	41	..	6·3	..	10·8	0	3	26	2	2	0	1	1	9	11	3	1	0
	2330	,,	1000·0	956·8	..	29·6	23·6	20·5	24·3	62	..	4·7	..	5·6	0	2	20	1	0	1	1	5	4	9	1	8	0
Ambikapur	0830	611	999·9	934 3	+0·6	29·8	22·5	18·6	21·8	56	−5	5·1	+1·5	4·1	0	0	25	1	0	0	0	2	14	8	0	5	0
	1730	,,	995·6	930·9	..	33·1	22·6	16·7	19 6	43	..	5·7	..	6·7	0	1	26	6	2	0	0	1	6	8	4	3	0
Jashpur Nagar	0830	779	999·0	915·9	..	28·6	21·4	17.5	20·3	54	..	2·8	..	3·3	0	0	23	0	1	0	0	0	8	1	13	7	0
	1730	,,	996·0	913·9	..	31·5	21·6	15·7	18·5	45	..	3·1	..	2·7	0	0	30	0	1	0	2	0	14	0	13	0	0
Pendra	0530	,,	999·3	931·7	..	27·2	21·3	18·0	21·2	60	..	5·6	..	10·3	0	7	19	2	0	0	1	4	6	9	4	4	0
	0830	,,	999·9	933·0	+0·4	30·2	22·4	18.3	21·3	52	−10	4·9	+0·6	15·7	0	9	20	4	1	0	0	4	4	8	8	1	0
	1130	,,	998·8	932·8	..	34·1	23·2	17 5	20·4	40	..	4·4	..	13·0	0	6	24	8	1	0	0	2	0	7	12	0	0
	1430	,,	996·8	930·9	..	34·5	23·0	16·9	19·6	39	..	5·9	..	16·5	0	10	20	12	0	0	0	4	4	4	5	0	1
	1730	,,	996·2	930·0	..	32·6	22·6	17·1	20·1	44	..	5·6	..	11·7	0	5	24	7	0	0	0	9	6	2	5	1	0
	2330	,,	999·8	932·4	..	27·9	21·7	18·3	21·4	60	..	5·8	..	13·3	0	10	18	1	1	1	1	10	8	3	3	2	0
Mandla	0830	443	1001·3	953·2	+1.2	30·2	23·2	19·4	22·6	56	−8	4·6	+0·1	5·0	0	0	20	5	0	0	0	6	1	4	4	10	0
	1730	,,	996·5	949·2	..	34·2	23·6	17·4	19·7	42	..	5·5	..	9·4	0	3	23	7	0	0	0	6	1	6	6	4	0
Champa	0830	245	1000·8	973·8	+0.6	30·7	24·0	20·2	24.3	58	−4	6·4	+1·0	10·1	0	2	27	2	0	0	0	0	12	11	4	1	0
	1730	,,	996·2	969·9	..	36·4	24·4	17·6	20·7	37	..	7·1	..	10·9	0	5	23	2	1	0	0	1	12	6	6	2	0
Raigarh	0830	220	1000·8	976·6	+0·8	31·2	24·5	21·1	25·3	58	−3	5·6	+0.1	4·4	0	0	30	0	0	0	1	0	23	2	4	0	0
	1730	,,	996·0	972·3	..	36·1	25·0	18·9	22·5	42	..	6·1	..	4·1	0	0	29	8	1	0	1	1	16	2	0	1	0
Raipur	0530	298	1000·2	967·3	..	27·7	22·9	20·2	24·0	68	..	6·5	..	9·5	0	1	29	0	0	0	2	4	15	7	2	0	0
	0830	,,	1001·6	968·9	+1·0	30.6	24·0	20·4	24·4	59	—	5·2	+0·2	12·2	0	2	28	1	0	0	1	0	12	13	3	0	0
	1130	,,	1000·5	968·3	..	34·9	24.7	19·0	22·7	44	..	5 1	..	12 6	0	2	28	3	0	0	0	1	6	14	6	0	0
	1430	,,	998·0	966·0	..	36·3	24·8	18·4	21·8	40	..	6·2	..	12·8	0	5	25	3	0	0	0	0	13	8	6	0	0
	1730	,,	997·2	965·1	..	34·6	24·2	18·3	21·7	43	..	6·4	..	11·7	0	1	29	2	0	0	1	3	10	5	9	0	0
	2330	,,	1000·7	967·9	..	29·4	23·3	19·9	23·5	61	..	6·1	..	11·7	0	3	25	1	1	0	0	4	9	11	2	2	0
Kanker	0830	402	1002·2	958·4	+1·0	29·6	24·9	22·7	27·6	68	+5	5·5	−0·5	5·7	0	0	29	0	0	0	0	0	29	0	0	1	0
	1730	,,	998·2	955·1	..	33·3	26·3	23·2	28·4	57	..	6·7	..	6·1	0	0	29	0	0	1	0	1	22	5	0	1	0
Jagdalpur	0530	553	1001·6	941·1	..	25·0	21·9	20·4	24·1	77	..	6·0	..	3·4	0	0	14	0	0	0	1	7	6	0	0	16	0
	0830	,,	1002·9	942·8	+0·9	27·4	22·8	20·6	24.4	68	−3	6 6	+1·6	8·1	0	0	28	0	0	0	1	5	16	5	1	2	0
	1130	,,	1001·7	942·3	..	31·1	23·5	19·9	23·4	55	..	5·9	..	12·1	0	2	28	2	0	0	1	2	8	12	5	0	0
Gujarat Region Includig Daman, Dadra and Nagar Haveli)	1730	,,	999·0	939·7	..	30·4	23·8	20·7	24·5	60	..	7·1	..	8·3	0	2	22	1	1	0	0	6	12	2	2	6	0
	2330	,,	1002·3	942·0	..	26·1	22.6	21·0	24·7	75	..	5·5	...	3·6	0	1	12	0	0	0	1	5	7	0	0	17	0
Deesa	0830	136	1004·0	998·7	+1.9	28·6	24·6	22·6	27·6	68	..	3·7	..	14·6	0	5	25	0	0	0	3	1	23	1	2	0	0
	1730	,,	998·4	983·6	..	38·0	24·5	16·8	19·7	29	..	2·3	..	20.3	0	14	16	0	0	0	0	0	25	2	3	0	0
Radhanpur	0830	30	1004·1	1000·8	..	29·7	27·2	26·1	34·0	81	..	1·2	..	6·9	0	1	29	0	0	0	0	0	28	2	0	0	0
	1730	,,	1000·5	997·3	..	37·7	..	..	..	..	..	0	..	6·5	0	0	30	0	0	0	0	0	30	0	0	0	0
Idar	0830	219	1004·2	979·8	..	28·6	24·3	22·3	27·3	69	..	4·8	..	7·6	0	0	30	0	0	0	0	0	16	13	1	0	0
	1730	,,	998·6	975·4	..	38·1	24·5	17·1	19·5	30	..	2·3	..	7·0	0	1	29	0	0	0	0	1	16	13	0	0	0
Ahmadabad	0230	55	1002·7	996·5	..	29·3	24·4	22·0	26·6	65	..	1·0	..	15·6	0	2	28	0	0	0	0	0	7	22	1	0	0
	0530	,,	1003·1	996·8	..	28·1	24·4	22·6	27·6	72	..	1·8	..	9·7	0	0	30	0	0	0	0	2	12	16	0	0	0
	0830	,,	1004·6	998·4	+1·7	29·7	25·1	23·0	28·1	68	−11	4·6	−0·2	11·9	0	1	29	0	0	0	0	0	12	7	1	0	0
	1130	,,	1004·2	998·0	..	33·9	25·3	21·1	25·2	48	..	3·9	..	15·8	0	3	27	0	0	0	0	0	16	14	0	0	0
	1430	,,	1001·4	995·3	..	37·9	25·5	19·3	22·4	34	..	3·3	..	15·0	0	2	28	0	0	0	0	1	15	13	1	0	0
	1730	,,	999·3	993·3	..	38·4	25·3	18·5	21·6	32	..	3·2	..	16.2	0	6	24	0	0	0	0	4	14	11	1	0	0
	2030	,,	1001·1	994·9	..	32·8	25·6	22·2	26 9	55	..	2·5	..	20·0	0	18	12	0	0	0	0	8	17	3	2	0	0
	2330	,,	1002·8	996·6	..	31·2	24·5	21·1	25·3	56	..	1·6	..	13·9	0	2	28	0	0	0	0	4	6	9	1	0	0
Dohad	0830	333	1004·2	967·4	+1·4	28·5	23·4	20·9	24·7	63	−12	4·5	−0·9	28·1	0	29	1	0	0	0	0	0	15	15	0	0	0
	1730	,,	998·8	963·1	..	36·6	23·4	15·7	17·9	30	..	1·5	..	23·7	0	27	3	0	0	0	0	0	26	3	1	0	0
Vallabh Vidya Nagar	0830	44	1004·6	1004.6	..	28·9	25·1	23·4	28·8	73	..	2·9	..	9·9	0	0	30	0	0	0	0	1	22	7	0	0	0
	1730	,,	999·9	999.9	..	37·1	25·4	19·6	22·9	36	..	2·2	..	16.0	0	10	20	0	0	0	0	6	23	1	0	0	0
Baroda Aerodrome	0830	38	1005·0	1000·8	..	30·1	25·2	22.9	27.9	66	..	3·5	..	19·8	0	15	15	0	0	0	0	0	21	8	1	0	0

TABLE III—SUMMARY OF OBSERVATIONS AT FIXED HOURS—JUNE, 1965 (JYAISTHA 11—ASADHA 9, 1887 SAKA)

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Gujarat - Region (Including Daman Dadra and Nagar Haveli) Baroda aerodrom—*Contd.*	11·0	38	1004.4	1000·8	..	33·8	24·7	20·1	23·7	45	..	3·6	..	21·5	0	18	12	0	0	0	0	2	16	11	1	0	0
	1730	,,	1000·2	996·0	..	36·5	25·2	19·4	22·7	37	..	1·9	..	26·8	0	27	3	0	0	0	0	1	23	5	1	0	0
	0530	34	1003·7	999·8	..	28·3	25·5	24·3	30·4	79	..	1·5	..	0·5	0	0	6	0	0	0	0	0	5	1	0	24	0
	0830	,,	1005·2	1001·3	+2.2	30·1	26 1	24·4	30·5	71	—4	4·0	..	3·3	0	0	29	0	0	0	0	0	20	9	0	1	0
	1130	,,	1004·3	1000·9	..	34·2	25·9	22·0	26·6	49	..	4·0	..	4·9	0	0	30	0	0	0	0	0	23	7	0	0	0
	1730	,,	1000·6	996·9	..	37·4	26·5	21·3	25·6	40	..	1·7	—0·4	5·0	0	0	30	0	0	0	1	0	19	10	0	0	0
	2330	,,	1003·8	999·9	..	30·3	26·3	24·4	30·9	71	..	1·0	..	5·9	0	0	29	0	0	0	0	0	21	8	0	1	0
Broach	0830	17	1005·0	1003·0	+2.1	29·1	26·1	24·8	13·3	78	—1	3·7	—1.0	6·7	0	0	30	0	0	0	0	0	18	7	5	0	0
	1730	,,	1000·9	990·0	..	34·9	27·1	23·8	29·5	53	..	1·0	..	8·5	0	0	30	0	0	0	0	2	21	0	7	0	0
Surat	0530	12	1004·4	1003·1	..	28·1	25·5	24·3	30·5	80	..	3·2	..	10·5	0	1	30	0	0	0	0	0	30	0	0	0	0
	0830	,,	1005·7	1004·4	+2·2	30·0	25·8	24·0	29·8	70	—4	4·5	—0.3	8·9	0	1	30	0	0	0	0	0	30	0	0	0	1
	1130	,,	1005·8	1004.5	..	32·6	26·2	23·5	28·8	59	..	4·9	..	12·7	0	2	30	0	0	0	0	0	30	0	0	0	0
	1730	,,	1002.8	1001·5	..	32.1	26·2	23·7	29·3	61	..	2·9	..	17·4	0	9	21	0	0	0	0	0	30	0	0	0	0
	2330	,,	1005·2	1003·9	..	29·1	25·9	24·5	30·7	77	..	2·1	..	14·5	0	0	30	0	0	0	0	0	39	0	0	0	0
Saurashtra and Kutch (Including Diu) Naliya	0830	21	1002·9	1000·5	..	29·4	25·8	24·2	30·2	74	..	1·9	..	25·8	0	25	5	0	0	0	0	6	21	3	0	0	0
	1730	,,	1000·7	998·3	..	31·3	26·2	24·1	30·0	66	..	5.6	..	25·9	0	25	5	0	0	0	0	8	20	2	0	0	0
Bhuj (Rukmamata)	0230	20	1001·6	992·6	..	27·6	26·0	25·2	32·2	87	..	2·0	..	17·8	0	9	21	0	0	0	0	0	17	13	0	0	0
	0530	,,	100··9	992·9	..	27·1	25·7	25·2	31·9	89	..	2·2	..	13·5	0	1	27	0	0	0	0	0	19	9	0	2	0
	0830	,,	1002·9	993·9	+1.6	29·4	26·6	25·3	32·2	79	+9	3·4	+0.7	24·3	0	27	3	0	0	0	0	0	15	15	0	0	0
	1130	,,	1002·7	993·8	..	33·9	27·2	24·4	30·5	58	..	3·1	..	26·1	0	25	5	0	0	0	0	0	16	14	0	0	0
	1430	,,	1001·1	992·2	..	35·3	27·5	24·3	30·4	53	..	3·2	..	26·5	0	26	4	0	0	0	0	0	16	13	1	0	0
	1730	,,	1000·1	991·2	..	33·7	27·3	24·5	31·1	59	..	2·7	..	27·5	0	27	3	0	0	0	0	1	15	14	0	0	0
	2030	,,	1001·4	992·4	..	29·7	26·3	24·8	31·5	76	..	2·7	..	23·3	0	24	6	0	0	0	0	0	17	1	0	0	0
	2330	,,	1002·5	993·5	..	28·3	26·3	25·4	32·6	84	..	2·4	..	21·8	0	18	12	0	0	0	0	0	21	9	0	0	0
Kandla Aerodrome	0830	35	1003·6	999·7	..	30·2	25·5	23·4	28·8	67	..	3·4	..	32·3	0	30	0	0	0	0	0	0	28	2	0	0	0
	1130	,,	1003·3	999·5	..	34·1	25·6	21·6	25·9	48	..	3 4	..	36·0	0	30	0	0	0	0	0	2	27	1	0	0	0
	1730	,,	1000·6	999·8	..	34·6	25·3	20·8	24·6	45	..	1·5	..	39·9	0	30	0	0	0	0	0	0	30	0	0	0	0
New Kandla	0830	14	1004·0	1002·4	..	29·6	26·3	24·9	31·5	76	..	4·2	..	29·5	0	27	3	0	0	0	0	0	14	16	0	0	1
	1730	,,	1001·3	999·7	..	33·2	26·7	23·9	29·7	59	..	1·5	..	41·6	0	30	0	0	0	0	0	0	14	16	0	0	0
Mandvi	0830	9	1003·9	1002·8	+0·8	29·5	26·5	25·3	32·2	78	—10	4·4	+0·1	40·2	0	30	0	0	0	0	0	3	26	1	0	0	0
	1730	,,	1001·8	1000·7	..	30·5	27·5	26·3	34·2	78	..	4·5	..	39·5	0	29	1	0	0	0	0	1	23	6	0	0	0
Surendranagar	0830	74	1004·5	996·1	+2.	29·9	27·0	25·8	33·4	79	..	4·7	+0·8	16·8	0	9	21	0	0	0	0	2	11	17	0	0	0
	1730	,,	999·3	991·3	..	38·1	28·4	24.3	30·7	46	..	4·5	..	18·5	0	13	15	1	5	0	0	0	7	17	3	2	0
Okha	0530	7	1002·9	1002·1	..	28·0	26·0	25·2	32·1	85	..	2·7	..	25·5	0	21	9	0	0	0	0	0	21	9	0	0	0
	0830	,,	1004·2	1003·4	..	29·2	26·2	24·9	31·5	78	..	3·4	..	27·6	0	29	1	0	0	0	0	0	21	9	0	0	0
	1130	,,	1004·5	1003·7	..	30·8	26·7	25·2	31·5	72	..	3·5	..	31·3	0	30	0	0	0	0	0	0	18	12	0	0	0
	1730	,,	1002·3	1001·5	..	30·4	26·9	25·5	32·6	75	..	4·0	..	32·3	0	30	0	0	0	0	0	0	21	9	0	0	0
	2330	,,	1003·9	1003·1	..	28·5	26·3	25·4	32·4	83	..	1·8	..	26·3	0	26	4	0	0	0	0	1	25	4	0	0	0
Jamnagar (Aerodrome	0530	23	1002·6	1000·0	..	27·1	25·8	25·2	32·2	90	..	1·5	..	14·9	0	5	24	0	0	0	0	0	13	16	0	1	0
	0830	,,	1003·7	1001·2	+1.9	29·8	26·7	25·4	32·6	77	+10	3·5	—0.3	22·0	0	19	11	0	0	0	0	0	13	17	0	0	0
	1130	,,	1003·4	1000·9	..	33·8	26·7	23·4	27·3	69	..	3·2	..	31·8	0	30	0	0	0	0	0	0	5	21	4	0	0
	1730	,,	1000·9	998·4	..	32·1	26·8	24·2	30·4	62	+5	2·7	..	35·4	0	30	0	0	0	0	0	0	0	21	9	0	0
	2330	,,	1003·2	1000·7	..	28·6	26·1	25·0	31·9	80	..	1·4	..	26·8	0	30	0	0	0	0	0	0	4	24	2	0	0
Dwarka	0830	11	1002·1	1002·8	+1.8	28·9	29·9	26·1	33·8	83	+1	3.5	—0·8	22·8	0	25	5	0	0	0	0	0	12	18	0	0	0
	1730	,,	1002·3	1001·1	..	30·3	27·3	26·1	33·8	79	..	4·5	..	24·1	0	11	11	0	0	0	0	0	14	16	0	0	0
Rajkot	0530	138	1003·0	987·5	..	26·4	24·8	24·0	30·0	87	..	1·2	..	17·1	0	18	8	0	0	0	0	0	25	1	0	4	0
	0830	,,	1004·3	988·9	+1.8	28·9	26·0	24·7	31·1	78	+2	2·0	—1.9	27·8	0	29	1	0	0	0	0	0	23	7	0	0	0
	1130		1003.4	988·3	..	34.4	26.7	23.3	28.6	53	..	1·4	..	32·1	0	30	0	0	0	0	0	0	17	12	1	0	0
	1730	11	1000·2	985·2	..	35·2	26·9	23·2	28·6	51	..	1·1	..	42·0	0	30	0	0	0	0	0	1	10	11	8	0	0
Bhaunagar Aerodrome	0830	,,	1005·3	1004·1	+2.2	30·3	25·2	22·9	27·9	65	+2	4·0	—1.0	23·5	0	23	7	0	0	0	0	1	17	12	0	0	0
	1130	,,	1004·7	1003·5	..	34·3	24·8	20·0	23·5	44	..	4·4	..	25·9	0	25	5	0	0	0	2	0	18	10	0	0	0
	1730	,,	1000·5	999·3	..	36·2	25·9	20·9	25·0	42	..	2·5	..	47·5	0	28	0	0	0	0	0	13	11	6	0	0	0
Porbandar Aerodrome	0830	7	1004·8	1004·0	+	29·4	26·3	25·1	31·5	78	—6	3·2	—1.1	21·2	0	24	6	0	0	0	0	0	14	16	0	0	0
	1120	,,	1005·0	1004·2	..	31·0	26·9	25·2	32·2	71	..	2·6	..	26·5	0	30	0	0	0	0	0	0	18	12	0	0	0
	1730	,,	1002·9	1002·1	..	30·6	27·0	25·6	32·6	75	..	3·6	..	27·3	0	29	1	0	0	0	0	0	18	12	0	0	0
Keshod	0830	51	1004·9	999·1	..	29·7	25·4	23·5	28·9	69	..	3·1	..	26·8	0	27	3	0	0	0	0	0	16	14	0	0	0
	1130	,,	1004·8	999·1	.	32·9	25·1	21·6	25·5	52	..	3·3	..	33·6	0	30	0	0	0	0	0	0	16	14	0	0	0
	1730		1002·6	996.1	..	32.3	25.4	22·1	26 9	55	..	2.4	..	39·7	0	30	0	0	0	0	0	0	18	12	0	0	0

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Saurashtra and Kutch—contd.																												
Mahuva . . .	0830	9	1004·3	1003.3	..	29·1	26·5	25·4	32·4	81	..	4·7	..	4·2	0	0	28	0	0	0	0	5	12	11	0	2	0
	1730	,,	1002·2	1001·2	..	31·6	26·7	24·7	31·1	67	..	4·5	..	12·9	0	0	30	0	0	0	0	4	26	0	0	3	0
Veraval . . .	0230	8	1004·0	1003·1	..	28·3	26·6	26·0	33·4	87	..	2·6	..	28·2	0	29	1	0	0	0	0	0	9	21	0	0	0
	0530	,,	1003·8	1002·9	..	28·1	26·5	25·8	33·2	88	..	3·3	..	24·9	0	21	9	8	0	0	0	0	9	21	0	0	0
	0830	,,	1005·3	1004·4	+1·9	29·0	26·9	26·1	33·8	84	+2	3·7	+1·0	23·8	0	19	11	0	0	0	0	1	8	19	2	0	0
	1130	,,	1005·7	1004·8	..	30·8	27·9	26·7	35·0	79	..	3·9	..	23·3	0	26	4	0	0	0	0	0	10	19	1	0	0
	1430	,,	1004·4	1003·5	..	31·2	28·0	26·7	35·2	78	..	3·7	..	28·2	0	28	2	0	0	0	0	0	12	17	1	0	0
	1730	,,	1003·4	1002·5	..	30·1	27·6	26·7	35·0	82	..	4·0	..	28·9	0	30	0	0	0	0	0	0	11	19	0	0	0
	2030	,,	1004·2	1003·3	..	28·8	26·9	26·2	33·8	86	..	3·5	..	27·3	0	28	2	0	0	0	0	0	9	20	1	0	0
	2330	,,	1005·0	1004·1	..	28·5	26·9	26·3	34·2	88	..	2·9	..	27·0	0	29	1	0	0	0	0	0	10	20	0	0	0
Konkan																												
Dahanu . .	0830	5	1006·9	1006·4	+3·0	28·9	26·5	25·5	32·6	84	0	5·3	—0.8	16·5	0	13	17	0	0	0	8	1	8	13	0	0	0
	1730	,,	1004·7	1004·2	..	30·6	27·7	25·8	34·6	80	..	4·3	..	22·1	0	22	8	0	0	0	1	0	10	19	0	0	0
Bombay (Santacruz)	0230	14	1005·4	1003·7	..	27·5	25·3	24·4	30·4	83	..	5·0	..	13·5	0	6	23	0	0	1	1	1	5	19	2	1	0
	0530	,,	1005·3	1003·7	..	27·2	25·1	24·1	30·0	83	..	5·6	..	10·8	0	6	19	0	0	2	3	2	2	14	2	5	0
	0830	,,	1006·8	1005·1	+1·6	28·2	25·5	24·4	30·4	80	+3	5·7	—0.1	10·9	0	5	21	2	0	1	2	1	2	15	3	4	3
	1130	,	1007·0	1005·4	..	30·5	26·2	24·3	30·4	70	..	5·9	..	18·4	0	13	16	1	0	1	1	2	7	15	2	1	0
	1430	,,	1005·6	1004·0	..	30·7	26·3	24·4	30·5	70	..	5·8	..	20·4	0	17	13	0	0	0	1	0	2	24	3	0	0
	1730	,,	1004·7	1003·1	..	29·9	26·0	24·4	30·4	73	..	6·1	..	19·9	0	14	16	0	0	0	0	1	2	23	4	0	0
	2030	,,	1005·9	1004·3	..	28·4	25·6	24·4	30·5	79	..	5·0	..	16·3	0	8	22	0	0	0	0	1	6	22	1	0	0
	2330	,,	1006.6	1005·0	..	27·9	25·4	24·2	30·4	81	..	5·1	..	14·0	3	6	24	0	2	0	1	2	6	17	2	0	0
Bombay . . .	0830	11	1006·8	1005·6	+1·7	28·7	25·9	24·7	31·1	79	0	5·4	—0·4	9.6	0	1	28	1	0	1	2	4	6	11	3	1	1
	1130	,,	1007·0	1005·8	..	30·4	26·6	24·9	31·7	73	..	5·0	..	11.6	0	0	30	1	0	0	2	4	8	12	2	0	1
	1730	,,	1004·8	1003·6	..	30·2	26·6	25·2	31·9	75	..	5·6	..	12·8	0	3	27	0	0	0	0	1	9	17	3	1	0
Alibag . . .	0830	7	1006·9	1006·1	+1·4	27·9	25·9	25·1	31·9	85	+5	6·4	0	15·6	0	10	16	0	1	2	5	4	7	7	0	4	0
Bhira . . .	0830	96	1007·0	996·1	..	26·3	24·6	23·8	29·7	87	..	6·0	..	1·1	0	0	9	1	0	1	0	1	7	0	0	21	0
	1730	,,	1004·6	993 8	..	28·4	25·1	23·5	29·3	76	..	6·9	..	1·4	0	0	14	0	1	0	0	0	8	3	2	16	0
Harnai . . .	0830	20	1007·6	1005·3	+2·5	28·1	27·0	26·6	34·6	92	+7	4·4	—1·8	14·5	0	12	16	3	1	4	0	7	1	9	3	2	0
	1730	,,	1006·1	1003·8	..	28·6	27·5	27·1	35·7	92	..	5·8	..	17·6	0	12	16	0	0	0	0	4	2	18	4	2	0
Ratnagiri. . .	0830	35	1007·8	1003·8	+1·8	27·1	25·5	24·8	31·3	88	..	6·0	..	8·3	0	0	28	0	0	6	3	4	0	12	1	2	0
	1730	,,	1006·1	1002·1	..	28·4	26·0	25·0	31·7	82	..	7·2	..	13·6	0	7	22	1	0	0	2	1	8	13	4	1	0
Devgarh . . .	0830	36	1007·9	1003·9	+2.0	27·2	25·6	24·9	31·5	87	+1	6·7	+0.3	19·5	0	14	16	0	0	5	6	2	1	10	6	0	0
	1730	,,	1006·3	1002·3	..	28·5	26·2	25·3	32·2	83	..	6·8	..	22·1	0	17	13	1	1	2	0	0	4	15	7	0	0
Vengurla . .	0230	9	1007·6	1006·6	..	25·9	24·6	24·1	30·0	90	..	6·4	..	..	..	..	..	2	0	0	2	0	6	7	0	13	0
	0530	,,	1007·1	1006·1	..	25·6	24·5	23·9	29·8	91	..	6·6	..	..	..	..	..	2	2	3	1	0	3	7	1	11	0
	0830	,,	1008·7	1007·7	+2·2	26·8	25·2	24·5	30·7	88	+2	6·5	—0.2	..	..	..	..	0	0	3	1	1	2	8	1	14	0
	1130	,,	1009·0	1008·0	..	28·4	25·7	24·5	30·7	80	..	6·1	..	..	..	..	..	0	1	0	0	0	9	11	0	9	0
	1730	,,	1006·9	1005·9	..	27·8	25·6	24·7	30·9	84	..	7·1	..	..	..	..	..	0	0	0	0	0	8	18	0	11	0
	2330	,,	1008·7	1007·7	..	26·2	25·0	24·5	30·7	90	..	6·7	..	..	..	..	..	1	0	0	1	1	7	8	1	11	0
Panjim . . .	0530	60	1007·0	1000·2	..	25.4	24·1	23·5	28·9	89	..	6·3	..	9·7	0	7	17	2	3	5	5	1	0	5	3	6	0
	0830	,,	1008·6	1002·8	..	26·2	24·5	23·8	29·3	87	..	6·4	..	11·4	0	6	18	0	6	1	5	1	4	7	0	6	0
	1130	,,	1009·0	1002·3	..	27·9	25·2	23·8	29·7	80	..	6·6	..	11·7	0	9	17	2	1	2	3	2	5	10	1	4	0
	1430	,,	1007·8	1001·0	..	28·7	25·5	24·1	30·0	77	..	6·6	..	17·6	0	15	13	0	1	0	0	0	10	15	2	2	0
	1730	,,	1006·7	999·9	..	27·5	25·1	24·0	29·8	82	..	6·7	..	16·6	0	13	16	0	1	0	1	0	10	15	2	1	0
	2030	,,	1007·8	1001·1	..	26·5	24·6	23·7	29·3	85	..	6·4	..	10.8	0	3	24	0	2	1	0	2	5	11	6	3	0
	2330	,,	1008·7	1001·9	..	26·2	24·6	24·0	29·7	88	..	5·7	..	10·9	0	5	23	0	4	1	4	1	8	10	0	2	0
Marmugao . .	0530	52	1004·4	999·5	..	26·0	24·5	23·8	29·7	88	..	6·7	..	(b) 17·7	0	13	14	3	1	4	3	1	9	6	1	2	0
	0830	,,	1007·9	1000·9	..	26·7	24·8	24·0	29·7	85	..	7·0	..	(b) 17·6	0	14	15	0	2	5	6	1	8	6	2	0	0
	1130	,,	1008·2	1001·2	..	27·5	25·1	24·1	29·8	83	..	6·9	..	(b) 16·1	0	14	13	1	1	4	1	3	7	9	2	2	0
	1730	,,	1006·1	999·2	..	27·2	25·1	24·2	30·0	84	..	7·0	..	20.6	0	18	11	2	0	0	1	3	13	8	2	1	0
Dabolim . . .	0530	52	1007·4	1001·5	..	25·8	24·6	24·1	30·0	90	..	6·9	..	16·3	0	10	14	1	3	0	4	2	4	9	1	6	0
	0830	,,	1009.0	1003·1	..	26·5	24·8	24·1	30·0	87	..	7·1	..	17·7	0	11	17	0	4	2	4	1	3	11	3	2	0
	1130	,,	1009·3	1003·5	..	27·8	25·4	24·3	30.4	82	..	7·0	..	20·8	0	16	11	2	1	0	1	2	6	11	4	3	0
	1730	,,	1007.1	1001·3	..	27·3	25·2	24·3	30·4	85	..	7·1	..	23·6	0	19	9	0	1	0	1	1	6	16	3	2	0
	2330	,,	1009·1	1003·2	..	26·4	24·9	24·3	30·4	88	..	6·7	..	17.4	0	13	11	1	0	2	3	1	4	12	1	6	0
Madhya Maharashtra																												
Nandurbar . .	0830	206	1005·1	982·2	..	28·8	24·6	22·4	27·4	69	.	1·1	..	15.9	0	7	23	0	0	0	0	0	0	30	8	0	0
	1730	,,	1000·5	978·1	..	35·2	24·8	19·4	22·8	40	..	1·2	..	11.5	0	4	26	0	0	0	0	0	0	30	0	0	0
Jalgaon . . .	0830	201	1004·9	982·5	+2·0	29·0	23·9	21·4	25·5	64	—8	6·0	+2.1	31·1	0	25	5	0	0	0	0	0	1	15	14	0	0
	1730	,,	999·5	977·8	..	36·5	23·7	16·0	18·8	33	..	5·8	..	30·8	0	26	4	1	0	0	0	0	2	15	12	0	0

(b) Mean of 29 days.

(c) Mean of 28 days.

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres.	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Maharashtra —(*Contd.*)																											
Malegaon	0830	437	1005·1	956.9	+1·6	27·4	23·2	21·2	25·0	69	+1	4·1	—0·4	14·5	0	6	24	0	0	0	0	0	6	15	9	0	0
	1730	,,	1000·3	953.3	..	33·1	24·1	19·6	22·7	46	..	5·7	..	18·8	0	15	15	4	0	0	0	0	3	14	9	0	0
Ozar	0830	608	..	..	..	25·9	22·2	20.4	24·1	72	..	4·1	..	24·9	0	24	4	0	0	0	0	0	4	18	6	0	0
	†1130	,,	..	..	..	29·8	22·4	18·7	21·7	53	..	5·3	..	26·7	0	24	4	0	0	0	0	0	4	16	8	0	0
	†1730	,,	..	..	..	29·9	22·6	19·3	22·1	54	..	4·4	..	32·3	0	27	1	0	0	0	0	0	6	18	4	0	0
Deolali (Aerodrome)	0830	571	1006·7	943·9	..	25.5	22.8	20.4	25.6	74	..	5.7	..	14.6	0	15	15	0	0	0	0	0	20	10	0	0	0
	1730	,,	1003·4	941.7	..	28.9	22.2	18.9	21.8	57	..	5.7	..	23.3	0	27	3	0	0	0	0	0	15	14	1	0	0
Ahmadnagar	0830	657	1005·7	933·9	+1·2	25·6	21 6	19·2	22·8	70	—1	6·0	+1·5	11·3	0	0	30	1	0	0	0	0	7	7	15	0	0
	1730	,,	1000·7	930 6	..	31·1	22 1	17·3	20·0	47	..	6·8	..	17·3	0	11	19	0	0	0	1	0	12	4	11	0	2
Poona (Aerodrome)	0230	593	1005·5	989·9	..	23·3	21·3	20·3	23·8	83	..	4·4	..	19·4	0	17	12	0	0	0	0	0	3	26	0	1	0
	0530	,,	1005·6	939·8	..	22·5	20·8	19·9	23·2	85	..	5·1	..	16·4	0	10	17	0	0	0	0	0	4	22	1	3	0
	0830	,,	1006·3	941·1	..	25·2	21.7	19·9	23·4	73	..	5·8	..	20·8	0	19	10	0	0	0	0	0	7	22	0	1	0
	1130	,,	1005·3	941·0	..	29·2	22·5	19·1	22·4	56	..	6· 3	..	28·1	0	28	2	0	0	0	0	0	9	19	2	0	0
	1730	,,	1003·1	938·7	..	28 ·0	22·5	19·8	23·2	63	..	5·9	..	32·8	0	29	1	0	0	0	0	0	9	21	0	0	0
	2330	,,	1006·5	941·0	..	24·0	21·6	20·5	24·0	81	..	4·8	..	22·1	0	26	3	0	0	0	0	0	6	23	0	1	0
Poon	0530	559	1005·5	943·6	..	23·1	21·0	20·0	23·2	83	..	5·6	..	5·7	0	1	24	0	0	0	0	0	0	25	0	5	0
	0830	,,	1006.3	944.9	+1.6	25.8	22.1	20.2	23.8	72	+1	5.7	+0.3	7.3	0	1	27	0	0	0	0	0	0	28	0	2	0
	1130	,,	1005.4	944.7	..	29.4	22.6	19.3	22.4	56	..	6.0	..	12.0	0	6	22	1	0	0	0	0	1	24	2	2	0
	1430	,,	1003.7	943.3	..	30.3	22·7	18.9	22.0	53	..	6.0	..	13.0	0	6	24	0	0	0	0	0	0	24	2	0	0
	1730	,,	1003.3	942.5	..	28.0	22.4	19.7	22.9	63	..	6.1	..	15.1	0	11	19	0	0	0	0	0	2	28	0	0	0
	2030	,,	1005.6	944.1	..	25.3	21.7	20.0	23.2	73	..	4.7	..	11.3	0	3	27	0	0	0	0	0	0	30	0	0	0
	2330	,,	1006.5	944.8	..	24.4	21.5	20.0	23.5	77	..	4.4	..	8.7	0	3	27	0	0	0	0	0	0	30	0	0	0
Jeur	0830	521	1005.8	948.6	+1.7	26.9	22.5	20.4	24.0	68	—7	5.1	+0.6	15.7	0	8	22	0	0	0	0	0	4	17	9	0	0
	1730	,,	1000.7	944·8	..	32.6	22.9	17.8	20.8	44	..	6.0	..	25.0	0	19	11	0	0	0	0	1	5	15	9	0	0
Baramati	0830	551	1006.1	945.7	+1.8	26.1	22.7	21.1	25.0	74	—2	4.3	—0.4	13.7	0	7	23	2	0	0	0	0	6	18	4	6	0
	1730	,,	1001.9	942.5	..	30.4	23.5	20.3	23.8	56	..	5.3	..	28.1	0	26	4	0	0	1	0	0	4	21	4	0	0
Sholapur	0530	479	1005.5	952.4	..	24.1	21.7	20.5	24.1	82	..	5.5	..	5.1	0	0	26	1	0	0	0	0	15	8	2	4	0
	0830	,,	1006.8	954.0	+1.9	26.7	22.9	21.1	25.2	72	+4	5.0	0	7.7	0	0	30	0	0	0	0	0	24	1	5	0	0
	1130	,,	1005.3	953.3	..	31.0	23.7	20.3	23.8	54	..	5.7	..	10.7	0	2	27	0	0	0	0	1	11	11	6	1	0
	1730	,,	1001.4	949.6	..	31.9	23.2	18.9	22.1	49	..	6.4	..	13.4	0	1	23	1	0	0	1	0	13	10	5	0	0
	2330	,,	1006.2	953.4	..	26.1	22.3	20.4	24.1	72	..	4.7	..	9.0	0	1	29	1	0	0	0	0	13	12	4	0	0
Miraj	0830	554	1007.6	946.6	+1.6	24.9	22.1	20.8	24.6	79	—1	6.7	+0.4	..	..	..	..	0	0	0	0	0	0	25	0	5	0
	1730	,,	1004.3	944.1	..	28.8	22.5	19.4	22.7	58	..	6.6	..	..	..	..	..	0	0	0	0	0	0	29	1	0	0
Kolhapur	0530	570	1006.5	943.2	..	22.4	21.3	20.7	24.4	91	..	5.3	..	6.3	0	2	20	0	0	0	0	0	1	21	0	8	0
	0830	,,	1007.5	944.6	+1.9	24.4	22.7	21.0	24.9	82	+1	5.7	+0.3	7.3	0	0	29	0	0	0	0	0	0	29	0	1	0
	1130	,,	1006.8	944.6	..	27.5	22.9	20.4	24.6	67	..	5.7	..	11.3	0	4	26	0	0	0	0	0	1	28	1	0	0
	1730	,,	1004.6	942.4	..	26.8	22.7	20.8	24.6	71	..	5.7	..	14.8	0	6	24	0	0	0	0	0	2	27	1	0	0
	2330	,,	1007.9	944.8	..	23.2	21.6	20.9	24.6	87	..	4.5	..	9.6	0	3	27	0	0	0	0	0	2	28	0	0	0
Marathwada																											
Aurangabad	0830	581	1005.9	942.2	+1.4	26.2	22.2	20.2	23.8	71	—1	5.0	—0.5	24.7	0	23	7	0	0	0	0	0	0	30	0	0	0
	1730	,,	999.9	938.0	..	33.3	22.8	17.4	20.0	42	..	5.8	..	14.2	0	5	23	0	1	0	0	0	2	24	1	2	0
Aurangabad (Chikalthan)	0230	579	1004.1	940.3	..	24.5	20.9	18.9	22.1	71	..	5.3	..	15.8	0	6	23	0	0	0	0	0	0	27	2	1	0
	0530	,,	1004.4	940.5	..	23.6	20.8	19.4	22.5	78	..	6.0	..	13 1	0	2	27	0	0	0	0	0	1	27	1	1	0
	0830	,,	1005.3	941.9	..	26.2	21.8	19.5	22.9	67	..	5.0	..	18.6	0	12	17	0	0	0	0	0	1	24	4	1	0
	1130	,,	1003.7	941.4	..	31.2	22.3	17.6	20.4	46	..	4.2	..	21.3	0	0	30	0	0	0	0	0	1	24	5	0	0
	1430	,,	1000.8	939.1	..	34.2	22.6	16.6	18.9	37	..	5.5	..	17.3	0	0	30	2	0	0	0	0	0	3	24	0	0
	1730	,,	999.5	937.7	..	32.9	22.1	16.1	18.6	39	..	6.4	..	21.6	0	15	15	2	0	0	0	0	0	3	21	4	0
	2030	,,	1002.7	939.9	..	28.6	21.6	17.7	20.6	55	..	4.6	..	18.3	0	0	29	0	0	0	0	0	4	23	2	1	0
	2330	,,	1004.7	941.2	..	26.0	20.9	18.2	20.9	64	..	4.5	..	19.0	0	0	30	0	0	0	1	0	0	23	2	0	0
Parbhani	0830	423	1005·8	959·1	+2.6	27·2	22·3	19·5	22·9	66	—5	4·1	—0·6	11·5	0	1	29	0	0	0	1	0	0	18	11	0	0
	1730	,,	999·5	954·3	..	34·4	23·1	16·3	19·0	38	..	5·9	..	12·5	0	4	26	1	3	0	1	0	2	18	5	0	0
Nander	0830	358	1004·9	965·4	..	28·8	24·0	21·6	24·9	68	..	5·4	..	7·6	0	0	24	1	0	0	0	0	8	13	2	6	0
	1730	,,	1001·1	962·4	..	34·9	25·8	21·5	25·6	49	..	6·7	..	7·4	0	0	29	1	2	0	1	0	11	4	10	1	0
Bir	0830	519	1006·3	949·4	..	27·0	22·6	20·5	24·1	68	..	3·9	..	15.7	0	10	20	0	0	0	0	0	13	0	17	0	0
	1730	,,	1001·4	945·9	..	33·4	23·3	18·2	21·1	43	..	5·0	..	10·5	0	3	26	0	1	0	3	0	12	0	13	1	0
Vidarbha																											
Gondia	0830	313	1002·2	967·9	+1·3	30·1	23·7	20·3	24·0	59	—7	5·0	+0.4	5·8	0	0	30	3	1	0	2	2	9	5	8	0	0
	1730	,,	997·7	964·0	..	34·7	24·4	18·6	22·1	43	..	5·1	..	7·3	0	0	30	6	0	0	0	8	8	4	4	0	0

†Observations for 28 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Vidarbha—(*Contd.*)																											
Nagpur (Sonegaon)	0230	310	1001·0	966·4	..	27·7	22·8	20·0	23·7	67	..	6·5	..	9·5	0	5	20	0	0	0	1	4	8	10	2	5	0
	0530	,,	1001·4	976·0	..	26·8	22·7	20·3	24·3	71	..	6·4	..	6·3	0	1	19	0	0	1	1	0	5	9	4	10	0
	0830	,,	1002·6	968·5	+1·1	29·7	23·4	19·9	23·5	60	+1	5·5	+0·7	14·3	0	6	24	0	0	0	0	1	6	14	9	0	0
	1130	,,	1001·7	968·1	..	33·9	24·5	19·7	22·9	46	..	5·7	..	12·7	0	3	27	2	0	0	0	1	1	13	13	0	0
	1430	,,	999·0	965·8	..	35·9	24·7	18·6	22·0	41	..	6·4	..	12·4	0	5	25	0	0	0	1	1	7	12	9	0	0
	1730	,,	998·4	964·8	..	32·8	23·9	18·7	22·4	50	..	6·4	..	15·9	0	11	18	6	4	2	0	0	5	8	4	1	0
	2030	,,	1000·5	966·5	..	29·9	23·7	20·2	23·8	61	..	6·5	..	8·9	0	4	21	2	1	0	0	2	12	2	6	5	0
	2330	,,	1001·6	967·4	..	28·6	23·4	20·3	24·6	65	..	6·4	..	7·3	0	3	23	0	0	1	2	2	1	6	4	4	0
Amraoti	0830	370	1003·6	962·9	+1·3	28·6	22·7	19·3	22·7	60	−5	5·0	+0·4	5·7	0	0	30	0	0	0	0	0	8	21	1	0	0
	1730	,,	998·9	959·0	..	33·9	23·5	17·4	20·5	42	..	5·5	..	7·4	0	1	29	2	3	1	1	3	7	8	5	0	0
Akola Aerodrome—	0530	309	1002·0	967·7	..	26·8	21·9	18·8	22·2	66	..	6·3	..	14·3	0	6	24	0	0	0	0	0	7	12	11	0	0
	0830	,,	1003·5	969·3	..	28·8	23·2	20·2	24·0	62	..	5·6	..	15·6	0	8	22	1	1	0	0	0	3	12	13	0	0
	1130	,,	1002·3	968·7	..	33·1	24·1	19·3	22·4	46	..	5·0	..	17·5	0	0	30	1	0	0	0	0	2	10	17	0	0
	1730	,,	998.0	964·7	..	35·2	23·9	17·3	20·5	40	..	6·2	..	17·7	0	10	20	1	0	1	0	2	8	8	10	0	0
	2330	,,	1001·8	967·8	..	29·6	22·7	18·5	22·0	57	..	5·6	..	15·3	0	9	21	1	0	1	0	5	10	4	9	0	0
Akola	0830	282	1004·0	972·9	+1·4	28·8	24·6	22·7	27·4	70	+6	4·2	−0·5	3·3	0	0	29	0	0	0	0	0	0	29	0	1	0
	1730	,,	998·4	968·0	..	35·6	25·5	20·6	24·3	44	..	6·1	..	2·4	0	0	29	0	2	0	2	0	4	19	2	1	0
Bramhapuri	0830	229	1003·1	977·8	..	29·7	24·0	20·9	25·0	63	..	5·2	..	13·0	0	3	27	1	0	0	1	1	9	14	4	0	0
	1730	,,	998.4	973·7	..	35·0	25·0	19·7	23·0	46	..	4·4	..	9·8	0	2	27	1	1	1	0	8	9	6	3	1	0
Buldana	0830	650	1004·4	933·5	+1.8	25·9	21·5	19·2	22·4	67	−7	4·3	−0·7	11·6	0	3	27	1	0	0	0	0	4	6	19	0	0
	1730	,,	998·4	929·4	..	32·9	21·9	15·7	18·2	38	..	6·1	..	7.6	0	0	27	0	0	0	1	1	6	0	19	3	0
Yeotmal	0830	451	1003·0	953·6	+1·4	28·0	22·7	19·9	23·2	62	−7	6·4	+1·2	21·6	0	19	11	0	0	0	0	0	0	29	1	0	0
	1730	,,	998·4	950·0	..	33·3	23·7	18·2	21·4	46	..	6·2	..	13·0	0	6	23	4	0	0	1	4	2	14	4	1	0
Chandas	0830	193	1003·2	981·8	+0·9	29·9	23·9	20·8	24·4	62	+3	5·9	+1·2	17 0	0	11	19	1	0	0	0	1	3	14	11	0	0
	1730	,,	998·7	977·6	..	35·2	24·8	19·2	22·8	44	..	5·9	..	11·9	0	4	26	1	0	2	1	2	5	11	8	0	0
Pasad	0830	334	1004·6	967·7	..	28·6	19·2	12·6	14·6	38	..	5·6	..	19·6	0	10	20	2	0	0	0	0	3	17	7	0	0
	1730	,,	999·4	963·3	..	34·4	23·7	18·1	20·5	41	..	5·0	..	13·5	0	5	24	0	0	0	2	0	15	3	9	1	0
Sironcha	0830	123	1004·2	990·5	+1·7	29·9	25·0	22·7	27·6	68	+2	5·9	+0·6	6·5	0	1	29	0	0	0	3	0	18	4	5	0	0
Coastal Andhra Pradesh	1730	,,	999·7	986·2	..	35·1	26·0	21·7	26·3	51	..	5·8	..	7·5	0	0	29	2	3	1	2	1	7	6	7	1	0
Kalingapatam	0830	6	1001·9	1001·3	+0·4	30·9	27·3	25·8	33·2	75	0	6·1	+1·1	12·4	0	18	12	2	0	0	0	8	13	1	1	0	5
	1730	,,	999·2	998·6	..	32·1	28·1	26·5	34·6	73	..	4·0	..	14·4	0	6	24	1	0	0	1	8	7	2	2	0	9
Vishakhapatnam	0230	3	1000·7	1000·3	..	29·5	26·3	24·9	31·5	77	..	5·4	..	8·5	0	3	16	0	0	0	1	0	9	8	1	11	0
	0530	,,	1001·3	1000·9	..	29·1	25·9	24·7	30·7	77	..	6·2	..	6·4	0	2	15	0	0	0	0	0	6	10	1	13	0
	0830	,,	1002·3	1001·9	+0·1	31·8	26·1	23·6	28·9	63	−1·8	6·1	−0·1	12·6	0	1	27	0	0	0	1	1	10	13	3	2	0
	1130	,,	1001·6	1001·2	..	35.3	27·1	23·4	29·1	53	..	5·8	..	15·5	0	8	22	1	0	1	1	2	12	6	6	0	1
	1430	,,	999·8	999·4	..	35·4	27·3	23·8	29·7	53	..	6·5	..	18·7	0	13	17	0	0	1	1	5	18	3	2	0	0
	1730	8	999·5	999·1	..	32·7	26·6	23·9	29·7	62	..	6·2	..	15·1	0	7	22	1	0	1	0	1	19	4	3	1	0
	2030	,,	1001·5	1001·1	..	30·7	26·6	24·9	31·5	72	..	4·9	..	8·3	0	0	23	1	0	1	0	0	15	3	3	7	0
	2330	,,	1002·0	1001·6	..	30·1	26·5	24·9	31·7	74	..	5·3	..	6·7	0	2	20	1	0	0	0	0	13	5	3	8	0
Kakinada	0830	8	1003·7	1002·8	+0·7	28·4	25·6	24·9	30·5	79	+7	4·9	−0·7	14·8	0	6	24	0	0	4	6	0	19	0	1	0	0
	1730	,,	999·9	999·0	..	34·9	26·2	22·3	26·9	50	..	4·9	..	15·1	0	5	25	0	0	0	11	0	16	0	3	0	0
Nidadavole	0830	12	1004·2	1002·8	..	29·7	25·3	23·3	28·6	69	..	5·9	..	18·9	0	15	14	0	0	1	0	0	6	13	9	1	0
	1730	,,	999·9	998·5	..	35·3	26·2	22·0	26·6	48	..	5·3	..	17·3	0	11	19	1	1	0	1	0	9	5	13	0	0
Rentachintala	0830	106	1005·3	993·5	..	30·4	25·5	23·3	28·4	66	+3	5·1	−1·5	3·8	0	0	30	0	0	4	0	0	0	26	0	0	0
	1730	,,	1000·9	989·4	..	35·7	26·8	22·6	27·9	48	..	5·4	..	3·1	0	0	30	0	0	4	0	0	0	0	26	0	0
Gannavaram	0230	24	1002·4	999·7	..	29·2	24·3	21·9	26·3	67	..	5·9	..	13·8	0	7	21	0	0	1	0	2	9	13	3	2	0
	0530	,,	1008·4	1000·4	..	28·3	24·0	21·9	26·3	70	..	6·4	..	12·8	0	4	23	0	0	1	1	1	4	16	4	3	0
	0830	,,	1004·7	1002·0	+1·7	30·6	24·3	21·2	25·3	59	−4	5·9	0	24·4	0	15	15	6	0	0	0	0	0	21	9	0	0
	1130	,,	1003·8	1001·1	..	34·7	25·0	20·3	23·8	44	..	5·6	..	25·9	0	24	6	1	0	0	0	0	2	15	12	0	0
	1430	,,	1001·4	998·7	..	36·7	25·3	19·5	22·0	89	..	6.1	..	23·5	0	21	9	0	0	0	0	0	1	13	13	0	0
	1730	,,	1005·9	997·9	..	35·2	25·1	19·9	23·5	43	..	6·7	..	17·4	0	10	20	2	0	0	0	2	5	13	8	0	0
	2030	,,	1002.6	999·9	..	33·1	24·9	21·3	25·5	55	..	5·2	..	10·7	0	3	25	2	1	0	0	5	8	12	0	2	0
	2330	,,	1003·7	1001·0	..	30·1	24·9	22·4	27·3	65	..	6·2	..	12·7	0	4	23	3	0	1	0	4	9	8	2	3	0
Nagarjuna Kuond (R)	0830	126																									
(R)	1730	,,																									
Masulipatam	0830	3	1004·8	1004·5	+1·2	29·9	24.7	22·2	26·7	65	−6	7·2	+2·4	3·3	0	0	30	2	0	0	0	4	8	13	2	0	1
	1730	,,	1001·3	1000·9	..	33·7	26.8	23·8	29·7	58	..	7·4	..	4·3	0	0	30	5	0	1	0	3	9	6	5	0	1

(R) Register not received.

Sub-Division and station	Hour of observation I.S.T.	Height of barometer cistern above mean sea level in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km.p.h.): 62 or more	20 to 61	1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Coastal Andhra Pradesh—(*Contd.*)																											
Ongole	0830	12	1005·5	1004·2	..	31·9	26·0	23·3	28·6	61	..	5·8	..	8·3	0	0	30	1	0		0	0	2	25	2	0	0
	1730	,,	1001·2	1000·0	..	36·5	26·8	22·8	27·3	49	..	5·8	..	6·3	0	0	30	2	2	0	4	0	7	5	10	0	0
Nellore	0530	20	1004·5	1002·3	..	29·1	24·6	22·4	27·3	68	..	7·2	..	6·3	0	1	22	0	0	0	0	0	3	20	0	7	0
	0830	,,	1006·1	1003·4	+1·0	31·6	25·9	23·4	28·6	62	+6	7·1	+1·5	13·2	0	7	20	0	0	0	0	0	3	23	1	3	0
	1130	,,	1005·5	1003·3	..	35·1	27·2	23·7	29·7	52	..	6·2	..	15·5	0	9	20	0	0	1	0	0	2	25	1	1	0
	1730	,,	1002·1	999·9	..	36·2	27·5	23·8	29·7	50	..	6·5	..	14·4	0	11	19	0	0	0	5	0	22	2	1	0	0
	2330	,,	1005·2	1003·0	..	30·6	25·9	23·7	29·7	68	..	6·9	..	6·9	0	4	18	0	0	0	3	1	1	17	0	8	0
Telangana Ramagundam	0830	156	1003·7	986·4	+1·4	29·6	24·1	21·3	25·3	63	+3	5·1	—0·4	7·5	0	3	27	1	0	0	1	0	2	16	10	0	0
	1730	,,	999·3	982·3	..	35·4	25·0	19·9	23·1	44	..	5·0	..	5·9	0	0	30	0	4	0	2	2	6	5	8	0	0
Nizamabad	0830	381	1005·3	963·0	+1·3	28·0	22·8	19·9	23·5	63	—3	5·5	+0·9	8·8	0	0	26	0	0	0	0	0	16	8	2	4	0
	1730	,,	1000·0	958·9	..	34·0	24·1	18·8	21·8	47	..	5·6	..	5·3	0	1	21	0	0	0	0	1	10	8	3	8	0
Hanamkonda	0830	269	1004·6	974·9	+1·3	28·9	23·5	20·9	24·6	63	+4	5·3	+0·2	2·5	0	0	30	3	0	0	0	0	0	23	4	0	0
	1730	,,	1001·0	972·0	..	34·9	25·2	20·0	24·1	45	..	3·7	..	2·0	0	0	30	6	0	0	1	4	0	9	10	0	0
Hakimpet (Aerodrome)	0530	613	1004·2	936·9	..	24·0	21·6	20·3	24·0	81	..	6·5	..	25·0	0	2	9	0	0	0	0	1	3	21	5	0	0
	0830	,,	1004·9	938·1	..	26·3	22·7	20·6	25·0	72	..	6·3	..	26·4	0	27	3	0	0	0	1	0	0	18	11	0	0
	1130	,,	1003·7	937·9	..	30·3	23·7	20·7	24·1	56	..	6·1	..	29.0	0	25	5	1	0	0	0	0	0	16	13	0	0
	1730	,,	1000·6	935·2	..	31·7	23·1	18·9	22·0	49	..	6·3	..	22·1	0	23	7	0	0	0	0	0	3	17	10	0	0
	2330	,,	1004·1	937·4	..	25·8	22·0	19·9	23·7	72	..	6·3	..	21·3	0	29	1	0	0	0	0	0	10	18	2	0	0
Bhadrachalam	0830	111	1004·2	991·8	+1·1	29·5	24·9	22·5	27·7	67	+3	5·9	—0·1	1·9	0	0	26	0	4	0	5	0	0	0	17	4	0
	1730	,,	999.9	987·7	..	34·4	25·9	21·8	26·4	52	..	6·5	..	3·9	0	0	30	0	4	0	7	0	0	0	19	0	0
Hyderabad (Begampet)	0230	545	1003·6	943·9	..	25·5	21·1	18·7	21·8	68	..	6·1	..	21·5	0	19	11	0	0	0	0	0	4	20	6	0	0
	0530	,,	1004·3	944·3	..	24·6	21·0	19·1	22·2	73	..	7·0	..	19·6	0	17	13	0	0	0	0	1	1	23	5		0
	0830	,,	1005·5	945·8	+1·7	26·5	21·8	19·4	22·7	67	—4	6·2	+0·8	23·2	0	27	3	0	0	0	0	0	2	18	10	0	0
	1130	,,	1004.1	945·3	..	31·0	22·6	18·3	21·3	49	..	5·9	..	24·2	0	21	9	0	0	0	0	0	0	16	14	0	0
	1730	,,	1000·0	941·9	..	32·7	22·5	17·1	19·7	42	..	6·6	..	19·1	0	16	14	1	0	0	1	1	5	19	3	0	0
	2330	,,	1004·6	945·0	..	26·4	21·5	18·9	22·1	66	..	6·4	..	19·7	0	13	17	0	0	0	0	0	7	19	4	0	0
Khammam	0830	112	1004·0	992·5	..	29·4	24·4	21·9	26·4	68	..	6·4	..	7·0	0	0	29	3	0	0	0	0	3	16	7	1	0
	1730	,,	1000·4	988·2	..	35·3	25·3	21·1	24·1	47	..	6·5	..	5·3	0	0	29	7	2	0	0	1	4	8	7	1	0
Mahbubnagar	0830	505	1005·9	950·1	..	26·3	22·3	20·4	24·0	71	..	6·8	..	10·3	0	0	30	0	0	0	0	0	2	14	14	0	0
	1730	,,	1001·2	946·8	..	31·9	23·2	18·9	22·1	50	..	6·8	..	7·3	0	0	29	1	0	0	1	0	8	16	3	1	0
Rayala Seema Kurnool	0830	281	1007·3	976·0	+1·9	26·9	23·1	21·3	25·2	79	+1·3	6·1	+0·8	19·1	0	12	18	0	0	0	0	0	18	0	12	0	0
	1730	,,	1001·6	971·0	..	33·2	23·9	19·0	22·1	45	..	6·0	..	20·2	0	15	15	0	0	0	0	0	4	20	5	0	1
Nandyal (R)	0830																										
(R)	1730																										
Anantapur	0530	350	1006·1	967·1	..	24·9	22·1	20·7	24·3	78	..	6·1	..	12·3	0	6	18	0	0	0	0	0	0	24	0	6	0
	0830	,,	1007·5	968·7	+2·0	27·1	23·0	20·5	24·7	69	+1	6·0	+0·7	20·1	0	17	13	0	0	0	0	0	2	26	2	0	0
	1130	,,	1006·3	968·0	..	31·4	23·8	19·9	23·2	51	..	6·0	..	23·3	0	19	11	0	0	0	0	0	3	24	3	0	0
	1430	,,	1003·4	965·5	..	33·7	23·9	18·5	21·6	42	..	6·4	..	23·8	0	19	11	0	0	0	0	0	2	25	3	0	0
	1730	,,	1002·5	964·5	..	32·5	23·8	19·1	22·4	48	..	6·6	..	21·9	0	15	13	0	0	0	1	0	1	22	4	2	0
	2030	,,	1005·3	966·8	..	28·5	23·1	20·2	23·8	63	..	4·8	..	20·2	0	16	10	0	0	0	0	0	3	22	1	4	0
	2330	,,	1007·3	968·5	..	26·8	22·6	20·4	24·0	69	..	4·1	..	24·7	0	21	7	0	0	0	0	1	1	26	0	2	0
Cuddapah	0830	130	1007·6	993·0	+1·8	29·4	24·4	22·0	26·4	65	+6	5·4	+0·3	4·0	0	0	24	0	0	0	0	0	0	24	0	6	0
	1730	,,	1002·4	988·2	..	35·2	25·7	21·3	25·3	46	..	5·4	..	3·7	0	0	22	0	0	0	0	0	1	20	1	8	0
Arogyavaram	0830	701	1007·2	930·9	..	25·7	20·8	18·3	21·0	64	..	4·9	..	4·7	0	1	29	0	2	1	0	1	4	2	20	0	0
	1730	,,	1002·7	927·8	..	30·4	21·4	16·2	18·9	44	..	5·7	..	13·7	0	3	27	2	1	0	1	0	0	13	13	0	0
Madras State (Including Pondicherry) Madras	0830	6	1006·8	1006·2	..	30·8	24·5	21·1	25·6	55	..	4·5	..	12·1	0	4	26	0	0	0	1	0	8	21	0	0	0
	1730	,,	1003·0	10[illegible]2·3	..	31·8	26·1	23·5	29·1	63	..	5·9	..	7·9	0	0	29	0	0	2	19	4	1	3	0	1	0
Madras (Minambakkam)	0230	16	1004·6	1002·8	..	29·1	24·5	22·3	26·9	68	..	4·9	..	12·5	0	2	25	0	0	0	4	5	11	7	0	3	0
	0530	,,	1005·2	1003·5	..	28·3	23·7	21·4	25·5	68	..	5·3	..	11·2	0	18	9	0	0	0	1	8	9	8	1	3	0
	0830	,,	1006·8	1005·1	+1·5	31·0	24·4	21·1	25·2	56	0	5·3	+0·5	16·5	0	13	17	0	0	0	1	2	14	12	1	0	0
	1130	,,	1006·1	1004·4	..	34·7	24·6	19·5	22·7	41	..	5·2	..	22·4	0	21	9	0	0	0	0	1	4	20	5	0	0
	1430	,,	1003·5	1001·8	..	36.8	25·3	19·4	22·8	37	..	5·2	..	16·7	0	8	22	0	0	2	4	2	5	9	8	0	0
	1730	,,	1003·0	1001·3	..	33·5	25·8	22·1	26·9	53	..	5·7	..	17·8	0	13	17	1	0	5	6	9	5	2	2	0	0
	2030	,,	1005·1	1003·4	..	30·3	25·4	23·1	28·3	67	..	4.9	..	13.2	0	7	21	0	0	2	10	10	4	2	0	2	0
	2330	,,	1006·0	1004·3	..	29·3	25·0	23·0	28·3	71	..	4.6	..	13.1	0	6	23	0	0	0	4	10	8	6	1	1	0
Vellore	0530	214	1006·1	982·1	..	26·8	22·1	19·6	22·9	62	..	4.3	..	3.1	0	0	18	0	0	0	0	0	0	2	15	1	12	0
	0830	,,	1007·2	983·5	+1·5	29·1	23·1	20·0	23·2	58	—5	5.0	+1·0	11.5	0	0	30	1	0	0	0	0	0	28	1	0	0

(R) Register not received.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in meters	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madras State (including Pondicherry)—(*Contd.*)																												
Vellore—*Contd.*	1130	214	1006.3	982.7	..	33.9	24.1	19.0	22.0	42	..	5.3	..	8.1	0	1	29	0	0	0	0	0	0	27	3	0	0
	1730	,,	1002.9	979.5	..	33.7	23.8	18.5	21.3	42	..	6.7	..	15.6	0	10	19	1	2	0	0	1	6	13	6	1	0
	2330	,,	1006.8	983.0	..	29.0	23.1	20.4	23.6	60	..	4.6	..	3.9	0	0	20	1	0	0	0	0	3	16	0	10	0
Tambaram (Aerodrome)	0830	29	1006.6	1003.4	..	30.9	24.9	22.2	26.6	61	..	5.2	..	20.4	0	11	19	0	0	0	0	5	11	13	1	0	0
	1730	,,	1003.2	1000.0	..	34.0	26.3	23.0	28.1	54	..	5.8	1	22.1	0	3	27	0	0	4	9	5	5	6	1	0	0
Tiruppattur	0830	390	1007.3	965.0	..	27.0	23.9	22.4	27.3	75	..	7.8	..	5.5	0	0	29	22	1	1	0	3	1	0	1	1	0
	1730	,,	1003.8	961.5	..	31.9	24.3	20.5	24.1	53	..	8.0	..	10.1	0	2	28	17	1	0	0	6	1	3	2	0	0
Mettur Dam R.S.	0830	..	..	..	..	29.6	24.5	22.1	26.6	64	..	3.1	..	3.1	0	0	30	0	10	0	9	0	8	0	3	0	0
	1730	..	..	..	..	32.6	25.0	21.2	25.5	52	..	5.2	..	6.5	0	0	30	0	5	0	7	0	8	0	10	0	0
Cuddalore	0530	12	1005.9	1004.6	..	27.2	23.9	22.3	26.9	75	..	4.9	..	1.7	0	0	13	0	0	0	1	5	6	1	0	17	0
	0830	,,	1007.6	1006.3	+1.5	29.9	24.5	21.9	26.3	62	−2	5.4	+1.1	5.8	0	0	28	0	0	0	0	4	23	1	0	2	0
	1130	,,	1006.7	1005.5	..	34.5	25.3	20.8	24.7	45	..	4.3	..	9.8	0	0	30	0	0	0	4	1	19	6	0	0	0
	1730	,,	1003.5	1002.2	..	32.3	26.1	23.1	28.6	60	..	5.2	..	11.9	0	2	28	0	1	1	17	0	9	0	2	0	0
	2330	,,	1006.9	1005.6	..	28.6	24.5	22.5	27.3	71	..	5.3	..	3.8	0	0	17	0	0	0	5	4	8	0	0	13	0
Kallakkurichchi	0830	127	1007.2	993.1	..	30.2	24.9	22.3	27.3	63	..	4.0	..	8.8	0	2	24	0	0	0	1	0	25	0	0	4	0
	1730	,,	1002.8	989.0	..	35.3	26.1	21.6	26.3	46	..	5.2	..	12.6	0	3	27	0	0	3	0	0	22	3	2	0	0
Salem	0530	278	1007.1	975.8	..	24.9	21.9	20.3	23.8	76	..	6.2	..	1.8	0	0	16	0	0	0	0	4	7	5	0	14	0
	0830	,,	1008.4	977.4	+1.4	26.9	22.8	20.5	24.4	67	−7	6.2	+1.3	7.4	0	0	6	0	0	0	0	0	5	1	0	24	0
	1130	,,	1007.5	976.7	..	31.8	23.5	19.9	22.1	47	..	5.7	..	8.0	0	0	30	0	0	0	0	0	4	24	1	0	1
	1730	,,	1003.7	973.3	..	32.1	23.3	18.5	21.3	47	..	6.9	..	9.6	0	6	19	0	0	1	0	1	6	12	2	5	3
	2330	,,	1008.1	977.1	..	27.3	22.3	19.7	22.9	65	..	6.1	..	7.1	0	0	27	0	0	0	0	1	8	18	0	3	0
Coimbatore (Pillamedu)	0530	399	1007.9	963.2	..	22.6	21.8	21.3	25.5	93	..	4.7	..	20.5	0	16	14	0	0	0	0	13	16	1	0	0	0
	0830	,,	1009.1	964.7	..	25.1	22.9	21.8	26.1	82	..	5.4	..	23.3	0	21	9	0	0	0	0	13	17	0	0	0	0
	1130	,,	1008.1	964.4	..	29.3	23.6	20.6	24.5	60	..	5.3	..	24.5	0	23	7	0	0	0	0	13	16	1	0	0	0
	1730	,,	1005.8	962.0	..	28.0	23.3	20.9	24.7	66	..	5.2	..	38.9	0	30	0	0	0	0	0	8	22	0	0	0	0
	2330	,,	1009.2	964.5	..	23.6	22.3	21.6	25.9	89	..	4.5	..	23.3	0	21	9	0	0	0	0	15	15	0	0	0	0
Coimbatore	0830	409	1009.0	963.6	+1.7	25.5	22.3	20.5	24.3	75	−3	6.4	+1.9	18.9	0	15	15	0	0	0	0	15	15	0	0	0	0
Nagapattinam	0830	9	1008.4	1007.3	+1.6	30.1	24.0	20.9	24.7	58	−5	5.6	+1.4	15.0	0	6	24	0	0	0	0	2	11	17	0	0	0
	1730	,,	1004.5	1003.5	..	32.6	25.7	22.3	27.3	56	..	5.1	..	18.9	0	13	17	0	0	0	2	14	13	1	0	0	0
Tiruchchirapalli	0230	88	1006.1	996.2	..	28.0	22.8	20.0	23.8	62	..	4.5	..	28.7	0	24	5	0	0	0	0	0	0	28	1	1	0
	0530	,,	1006.3	996.4	..	27.2	22.7	20.3	23.8	66	..	4.3	..	25.4	0	23	7	0	0	0	0	0	3	26	1	0	0
	0830	,,	1007.7	997.9	+0.9	29.8	23.5	20.3	23.8	57	−1	5.0	+0.7	31.5	0	26	4	0	0	0	0	0	5	23	2	0	0
	1130	,,	1007.0	997.3	..	34.4	24.3	19.1	22.1	41	..	4.9	..	33.3	0	25	5	0	0	0	0	0	4	25	1	0	0
	1430	,,	1004.3	994.7	..	36.5	24.7	18.5	21.3	35	..	5.2	..	34.2	0	26	4	0	0	0	0	0	3	25	2	0	0
	1730	,,	1003.8	994.1	..	34.7	24.0	18.3	21.0	39	..	5.5	..	31.0	0	27	3	0	0	1	0	0	3	24	2	0	0
	2030	,,	1006.3	996.5	..	30.8	23.0	18.	21.7	49	..	4.1	..	28.2	0	27	2	0	0	0	0	2	2	24	1	1	0
	2330	,,	1007.5	997.6	..	29.1	22.9	19.7	22.9	57	..	4.2	..	28.9	0	26	3	0	0	0	0	1	1	25	2	1	0
Vedaranniyam	0830	4	1008.2	1007.7	..	30.8	25.8	23.4	28.9	65	..	1.6	..	3.8	0	0	30	0	0	0	0	0	30	0	0	0	0
	1730	,,	1004.7	1004.2	..	30.6	26.5	24.8	31.1	72	..	1.7	..	10.9	0	0	30	0	0	0	0	1	29	0	0	0	0
Atirampattinam	0830	6	1007.9	1007.2	..	29.6	24.1	21.1	25.5	59	..	3.3	..	8.4	0	2	28	0	0	0	0	4	13	8	5	0	0
	1730	,,	1004.8	1004.1	..	30.2	26.2	24.3	30.1	72	..	4.6	..	10.5	0	15	15	0	0	0	0	25	4	0	1	0	0
Madura	0830	133	1008.1	993.4	+1.2	29.9	22.8	19.0	22.0	52	−5	3.1	−2.1	4.9	0	0	30	4	0	0	0	2	7	8	8	0	1
Madurai (Aerodrome)	0530	131	1006.8	992.4	..	27.3	22.7	20.3	23.8	66	..	4.9	..	8.4	0	2	22	4	0	0	0	0	4	11	5	6	0
	0830	,,	1008.3	993.7	..	30.4	24.1	21.0	24.9	58	..	5.2	..	14.2	0	9	19	2	0	0	2	1	4	12	7	2	0
	1130	,,	1007.4	993.0	..	34.4	24.8	19.8	23.4	43	..	5.5	..	21.9	0	17	13	1	0	0	0	0		22	5	0	0
	1730	,,	1004.7	990.2	..	33.6	24.7	20.1	23.8	46	..	5.8	..	24.7	0	22	8	1	0	0		3	1	23	1	0	0
Tondi	0830	5	1008.7	1008.1	..	29.7	24.7	22.3	26.9	65	..	3.8	..	6.9	0	0	25	0	0	0	4	4	16	1	0	5	0
	1730	,,	1005.1	1004.5	..	30.4	26.5	24.9	31.5	74	..	4.8	..	30.5	0	29	0	0	0	0	7	18	2	2	0	1	0
Pamban	0830	11	1008.6	1007.3	+1.4	28.6	25.9	24.2	31.1	83	+8	4.8	+1.9	11.7	0	2	28	0	0	0	6	7	7	10	0	0	0
	1730	,,	1005.7	1004.4	..	29.2	26.6	25.5	32.6	81	..	5.2	..	13.4	0	2	28	0	0	0	5	18	7	0	0	0	0
Tuticorin	0830	4	1009.3	1008.9	+1.7	30.3	24.4	21.5	25.6	60	0	3.5	−0.7	16.3	0	12	18	0	0	0	0	0	4	25	1	0	0
	1730	,,	1006.1	1005.6	..	32.4	23.7	19.1	22.1	46	..	4.8	..	23.9	0	25	5	0	0	0	1	3	2	23	1	0	0
Palayankottai	0830	51	1008.9	1003.2	+1.7	31.0	23.4	19.5	22.5	51	−6	5.1	+0.2	22.5	0	14	15	0	0	0	0	1	0	27	1	1	0
	1730	,,	1006.0	1000.4	..	32.6	23.4	18.5	21.3	43	..	5.5	..	22.7	0	22	8	1	0	0	0	0	2	19	6	0	2
Kanniyakumari	0830	37	1009.9	1005.7	..	26.7	24.2	22.8	28.3	77	..	5.3	..	22.5	0	19	11	0	0	0	0	0	2	26	2	0	0
	1730	,,	1007.6	1003.6	..	27.9	23.5	22.8	27.9	75	..	6.5	..	18.9	0	16	14	0	0	0	0	0	2	26	2	0	0
Coastal Mysore																											
Karwar	0830	4	1009.1	1008.6	+2.2	26.8	25.3	24.7	31.1	87	−1	6.6	−0.4	10.9	0	10	19	0	3	3	3	0	0	0	4	1	16
	1730	,,	1007.3	660.8	..	27.7	25.5	24.8	30.7	84	..	6.3	..	11.		10	22	0	3	2	1	0	1	0		2	17

Sub-Division and station	Hour of observation I. S. T.	Station elevation in meter	Mean pressure in millibars: At mean sea level or height g. p. m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Coastal Mysore—(Contd.)																											
Honavar	0830	26	1009·5	1006·6	+1·6	25·7	24·3	23·8	29·3	92	+3	7·6	+0·8	5·2	0	1	25	1	4	11	1	1	4	4	0	4	0
	1730	,,	1006·7	1004·7	..	27·1	24·9	24·1	29·7	84	..	7·5	..	5·8	0	1	27	1	1	2	0	3	8	11	2	2	0
Mangalore (Bajpe)	0230	102	1008·5	997·0	..	24·4	23·8	23·6	28·9	95	..	7·1	..	5·6	0	1	15	0	0	5	1	0	0	9	0	14	1
	0530	,,	1008·5	997·0	..	24·2	23·6	23·4	28·6	95	..	7·1	..	6·3	0	2	16	1	0	7	2	0	0	6	1	12	1
	0830	,,	1010·1	998·5	..	25·3	24·3	23·8	29·5	91	..	7·3	..	5·6	0	0	20	0	0	6	6	0	0	8	0	10	0
	1130	,,	1010·2	998·6	..	27·0	25·2	24·5	30·5	86	..	7·1	..	8·2	0	1	22	0	0	2	1	1	2	16	0	7	1
	1430	,,	1008·1	997·3	..	27·6	25·4	24·4	30·5	84	..	7·4	..	12·1	0	5	22	0	0	0	1	1	5	18	1	3	1
	1730	,,	1008·1	996·6	..	26·5	24·9	24·1	30·2	87	..	7·7	..	9·0	0	2	20	0	0	0	0	0	2	15	5	8	0
	2030	,,	1009·5	998·0	..	25·2	24·3	23·9	29·7	93	..	6·9	..	6·2	0	3	13	0	0	2	0	1	1	9	3	14	0
	2330	,,	1010·2	998·6	..	25·0	24·3	24·0	29·7	94	..	7·4	..	7·0	0	1	19	0	2	4	3	0	2	8	0	10	1
Mangalore	0830	22	1010·1	1007·7	+1·9	26·1	24·3	23·7	28·9	87	0	7·0	+0·2	5·4	0	0	29	2	0	14	6	0	3	2	1	1	1
	1730	,,	1008·3	1005·8	..	27·4	25·3	24·2	30·4	82	..	7·0	..	6·5	0	1	29	0	0	2	0	4	8	8	4	0	4
Interior Mysore North																											
Bidar	0830	664	1005·5	933·0	..	25·1	22·2	20·8	24·7	78	+7	6·2	+1·6	23·3	0	22	8	0	0	0	0	0	14	14	2	0	0
	1730	,,	1000·0	929·3	..	30·4	23·5	20·3	23·8	57	..	7·2	..	17·5	0	14	15	0	0	0	0	0	15	6	8	1	0
Gulbarga	0830	458	1006·5	956·0	+1·7	26·3	22·3	20·3	24·9	69	−2	6·8	+2·0	13·8	0	1	29	0	0	0	0	0	8	27	3	0	0
	1730	,,	1001·2	952·0	..	32·5	22·7	17·7	20·4	45	..	6·8	..	18·9	0	12	18	0	2	1	0	0	4	17	2	0	0
Bijapur	0830	594	1007·0	941·6	+1·6	24·8	22·7	21·7	25·9	84	+11	6·6	+1·6	12·2	0	0	29	0	0	0	0	2	3	23	1	1	0
	1730	,,	1002·7	938·8	..	29·8	24·1	21·6	25·9	62	..	6·6	..	14·8	0	0	29	4	0	0	0	7	2	16	0	1	0
Raichur	0830	400	1007·0	962·9	+1·8	26·3	23·2	21·6	25·9	72	+3	5·8	+1·8	19·1	0	1	26	0	0	0	0	0	19	6	1	3	1
	1730	,,	1001·9	958·8	..	32·1	24·2	20·2	23·5	51	..	6·4	..	20·8	0	7	21	0	1	0	1	0	19	0	7	2	0
Belgaum	0830	753	1007·9	925·4	+1·4	22·9	21·2	20·4	23·8	87	+4	7·1	+0·7	5·3	0	0	28	0	0	0	0	0	1	27	0	2	0
	1730	,,	1005·3	923·7	..	24·9	21·5	19·8	22·9	75	..	7·2	..	4·4	0	0	30	0	0	0	0	0	1	16	12	0	1
Belgaum (Samra)	0530	747	1007·0	924·8	..	21·2	20·2	19·7	22·8	91	..	6·5	..	9·2	0	1	29	0	0	0	0	0	10	20	0	0	0
	0830	,,	1008·0	926·1	..	23·0	21·1	20·1	23·5	84	..	7·0	..	12·2	0	5	25	0	0	0	0	1	11	16	2	0	0
	1130	,,	1007·5	926·3	..	25·9	21·4	19·4	21·8	67	..	7·2	..	17·2	0	14	16	0	0	0	0	0	6	20	4	0	0
	1430	,,	1005·5	924·9	..	27·1	21·9	19·2	22·4	64	..	7·2	..	19·8	0	20	10	0	0	0	0	0	12	15	3	0	0
	1730	,,	1005·3	924·3	..	25·3	21·4	19·5	22·4	71	.	6·9	..	18·9	0	15	15	0	0	0	0	0	11	19	0	0	0
	2030	,,	1007·6	925·6	..	22·6	20·6	19·7	22·7	84	..	6·5	..	13·3	0	6	24	0	0	0	0	0	5	23	2	0	0
Gadag	0530	650	1007·2	935·3	..	21·7	20·8	20·4	23·8	92	..	6·6	..	14·9	0	6	24	0	0	0	0	0	6	24	0	0	0
	0830	,,	1008·2	936·7	+1·5	23·5	21·5	20·6	24·0	84	+3	6·8	+1·5	16·7	0	3	27	0	0	0	0	0	6	24	0	0	0
	1130	,,	1006·9	936·5	..	28·7	22·4	19·7	22·9	61	..	6·6	..	16·0	0	9	21	0	0	0	0	0	5	24	0	0	1
	1430	,,	1004·7	934·7	..	29·3	22·6	19·3	21·8	57	..	6·6	..	20·5	0	17	13	0	0	0	0	0	7	22	1	0	0
	1730	,,	1004·6	934·2	..	27·7	22·1	19·4	22·1	63	..	7·2	..	19·2	0	17	13	1	0	0	0	0	6	23	0	0	0
	2030	,,	1007·3	935·9	..	24·1	21·3	19·9	22·7	78	..	5·3	..	19·6	0	14	16	1	0	0	0	0	6	22	1	0	0
	2330	,,	1008·5	936·7	..	22·6	21·1	20·4	23·8	88	..	5·1	..	17·3	0	12	18	0	0	0	0	0	7	23	0	0	0
Interior Mysore South																											
Bellary	0830	449	1007·4	957·8	+1·6	26·3	22·4	20·3	23·8	69	+8	4·6	−0·7	12·0	0	4	24	0	0	0	0	0	1	5	22	2	0
	1730	,,	1003·2	954·4	..	30·0	22·0	18·6	22·4	50	..	6·6	..	14·1	0	5	25	0	0	0	0	0	0	6	24	0	0
Chitradurga	0830	773	1008·3	927·8	+1·7	22·8	21·0	20·1	23·5	84	+7	6·7	+0·5	12·3	0	1	27	0	0	0	0	0	8	20	0	2	0
	1730	,,	1004·6	925·5	..	26·7	21·8	19·4	22·4	65	..	6·7	..	11·5	0	4	23	0	0	0	0	0	2	25	0	3	0
Shimoga	0830	571	1008·7	945·6	+1·7	22·9	21·5	20·3	23·8	81	−2	7·5	+1·0	3·7	0	0	30	0	0	0	0	0	7	22	1	0	0
	1730	,,	1005·9	943·5	..	26·3	22·2	20·3	23·8	70	..	7·4	..	8·5	0	0	29	0	0	0	0	1	9	19	0	1	0
Agumbe	0830	..	.	..	..	21·8	21·3	21·1	25·0	96	..	..	..	5·7	..	..	..	..	..	..	..	..	..	..	..	..	..
Balehonnor	0830	..	..	..	..	21·1	20·2	19·7	22·9	91	−1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hassan	0830	960	1499·3	904·5	..	21·3	19·9	19·1	22·4	88	+6	6·9	+0·7	4·5	0	0	30	0	0	0	0	0	15	15	0	0	0
	1730	,,	1483·5	902·8	..	23·6	20·1	18·3	21·0	73	..	7·4	..	4·5	0	0	30	0	0	0	0	0	3	27	0	0	
Bangalore	0230	921	1487·5	907·8	..	20·9	19·8	19·1	22·4	88	..	4·6	..	11·6	0	0	30	0	0	0	0	0	8	22	0	0	0
	0830	,,	1500·0	909·0	+1·9	22·0	20·1	19·2	22·3	85	+5	6·7	+0·4	12·5	0	0	30	0	0	0	0	0	13	17	0	0	0
	1130	,,	1505·0	908·6	..	26·5	21·4	18·8	21·8	63	..	6·4	..	18·9	0	14	16	0	0	0	0	0	9	21	0	0	0
	1430	,,	1492·4	907·0	..	28·8	21·8	18·4	21·2	55	..	6·6	..	20·3	0	14	16	0	0	0	0	0	9	20	1	0	0
	1730	,,	1485·5	906·5	..	26·8	21·5	18·8	21·9	63	..	3·6	..	19·2	0	13	13	0	0	0	0	0	9	19	1	1	0
	2030	,,	1495·0	908·2	..	23·4	20·0	18·8	20·9	76	..	5·3	..	14·8	0	6	24	0	0	0	0	0	9	19	2	0	0
Banaglore Aerodrome	0530	897	1479·1	909·7	..	20·3	19·3	18·8	2·6	91	..	5·6	..	14·8	0	3	27	0	0	0	0	0	2	28	0	0	0
	0830	,,	1496·5	911·2	..	22·4	20·2	19·2	21·8	82	..	6·5	..	16·2	0	3	27	0	0	0	0	0	3	27	0	0	0
	1130	,,	1502·2	910·8	..	26·8	21·1	18·2	20·4	60	..	6·4	..	21·8	0	14	16	0	0	0	0	0	3	27	0	0	0
	1730	,,	1445·5	905·0	..	26·9	21·0	17·9	20·0	60	..	6·8	..	20·7	0	14	15	0	0	0	0	0	4	22	3	1	0
	2330	,,	1494·0	910·8	..	22·1	20·0	18·8	21·6	81	..	5·2	..	17·7	0	10	20	0	0	0	0	0	2	28	0	0	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed, Km. per hour	Wind speed (Km. p.h.): 62 or more	20 to 61	1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
INTERIOR MYSORE SOUTH—Contd.																											
Mysore	0830	767	1009.4	925.5	+1.8	23.4	20·3	18.8	20.8	76	—2	4.6	—1.6	9·1	0	0	30	2	1	0	3	6	9	1	8	0	0
	1730	,,	1006·4	923.4	..	26.1	20.9	18.1	20.9	63	..	5.9	..	18.1	0	12	18	0	1	0	0	1	11	13	3	0	1
Kerala	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Calicut	0530	5	1009.7	1009.1	..	24.3	23.8	23.5	28.9	95	..	7.5	..	3.8	0	0	17	0	2	6	4	0	0	3	2	13	0
	0830	,,	1011.0	1010·4	+2.1	25.6	24.6	23.9	30.0	91	+2	6.7	—0.1	4.6	0	1	15	0	3	7	1	0	0	1	4	14	0
	1130	,,	1011.4	1010.8	..	26.7	25.2	24.5	30.7	88	..	7.0	..	9.0	0	3	26	1	4	3	0	1	5	10	5	1	0
	1730	,,	1009.2	1008·6	..	27.1	25.3	24.3	30.7	84	..	6·8	..	11.1	0	6	22	2	1	2	0	0	2	12	9	2	0
	2330	,,	1011.0	1010·4	..	24.9	24.1	23.6	29.3	93	..	6.2	..	5.4	0	1	20	2	3	10	1	1	2	0	2	1	0
Palghat	0830	97	1010.7	999·6	..	25.4	23 9	23.1	28.3	88	..	6.3	..	10.3	0	0	30	0	0	0	0	0	0	30	0	0	0
	1730	,,	1007.8	996.8	..	27.4	24.3	22.8	27.9	77	[illegible]	5.9	..	11.5	0	0	30	0	0	0	0	0	0	30	0	0	0
Fort Cochin	0830	3	1011.2	1010.9	+1.4	26.5	24.8	24.0	30.0	87	+1	7.5	+1.1	5.8	0	0	28	1	10	10	1	0	1	3	2	2	0
	1730	,,	1009.1	1008.8	..	27.4	25.1	24.2	30.0	83	..	6.9	..	8·3	0	1	28	1	0	1	1	0	2	13	11	1	0
Cochin (Naval Air Station)	0230	3	1009.8	1009.5	..	25.2	24.1	23.7	29.3	91	..	6.3	..	3·5	0	0	14	1	1	2	1	0	2	4	3	16	0
Ramgarh	0530	,,	1009.7	1009.4	..	24.7	23.8	23.5	28.9	93	..	6.5	..	2.1	0	0	8	1	0	2	0	0	2	3	0	22	0
	0830	,,	1011.3	1011.0	..	26.2	24.6	24.0	29.9	87	..	6.5	..	3.6	0	0	16	1	3	6	0	0	1	3	1	14	1
	1130	,,	1011.6	1011.3	..	28.0	25.2	23.9	29.8	79	..	6.6	..	7·8	0	0	20	0	2	1	0	1	4	8	4	10	0
	1730	,,	1009.0	1008.7	..	27.9	24.9	23.6	29.3	78	..	6.6	..	11.5	0	2	22	0	0	0	0	0	1	14	9	6	0
	2330	,,	1011.4	1011.1	..	25.7	24.4	23.7	29.5	90	..	6.2	..	4.8	0	0	14	1	0	2	1	0	4	5	1	16	0
Alleppey	0830	4	1011.2	1010.8	+0·2	26.3	25.1	24.5	30.9	90	+1	6.8	—0.3	9.5	0	3	27	2	9	1	0	0	2	4	12	0	0
	1730	,,	1008.5	1008.1	..	28.0	25.6	24.5	30.9	82	..	7.0	..	18.7	0	16	14	1	0	0	0	0	3	4	22	0	0
Punalur	0830	64	1011.2	1007.4	—1	24.8	24.1	23.8	29.3	94	..	7.0	..	0	0	0	1	0	0	0	0	0	0	1	0	29	0
	1730	,,	1009.0	1005.2	..	27.8	24.9	23.5	28.9	78	..	7.3	..	3.7	0	0	28	0	0	0	0	0	14	14	0	2	0
	2030	,,	1009.7	1002.3	..	24.5	23.7	23.4	28.6	93	..	5.1	..	4.9	0	0	24	4	0	0	0	0	1	6	13	6	0
Trivandrum	0530	,,	1009.8	1002.4	..	24.1	23.5	23·1	28.4	94	..	5.2	..	5.2	0	0	26	14	0	0	0	1	0	3	8	4	0
	0830	,,	1011.3	1003.9	+1.7	25.6	24.1	23.4	28.9	88	+2	5.8	—0.8	6 1	0	1	28	7	1	0	1	0	1	2	17	1	0
	1130	,,	1011.0	1003.7	..	27.7	24.8	23.4	28.9	78	..	6.4	..	11.2	0	11	19	4	1	0	0	0	0	2	23	0	0
	1430	,,	1009.2	1001.9	..	28.6	25.1	23.5	28.9	75	..	5.8	..	15.0	0	9	21	1	1	0	0	0	0	7	21	0	0
	1730	,,	1008.8	1001.6	..	27.7	24 7	23.4	28.6	78	..	5.8	..	11.1	0	3	27	2	0	0	0	0	0	4	24	0	0
	2030	,,	1010.7	1003.4	..	25.7	24.1	23.4	28.9	87	..	5.5	..	7.2	0	0	29	6	0	0	0	0	0	3	20	1	0
	2330	,,	1011.4	1004.1	..	25.0	24.0	23.6	28.9	92	..	5.7	..	8.0	0	0	28	11	0	0	0	0	0	6	11	2	0
Trivandrum*	0830	8	1011.4	1010.5	..	26.6	24.5	23.6	28.9	84	..	6.1	..	20.1	0	17	11	15	3	1	0	0	0	1	8	2	0
Amini*	0530	4	1008.0	1007·6	..	28.1	26.0	25.1	31.9	84	..	6 2	..	39 4	0	30	0	0	0	0	0	0	2	27	1	0	0
	0830	,,	1009.6	1009.1	..	28.3	26.1	25.1	32.1	83	+1	6.4	+0.1	37.2	0	29	1	0	0	0	0	0	3	25	2	0	0
	1130	,,	1010.1	1009.1	..	28.9	26.4	25.3	32.2	81	..	6.4	..	33.9	0	26	4	0	0	0	0	0	5	23	2	0	0
	1730	,,	1008.1	2007.6	..	28.7	26.3	25.3	32.2	82	..	6.6	..	36.7	0	30	0	0	0	0	0	0	3	25	2	0	0
	2330	,,	1009.8	1009.4	..	28.2	26.1	25.2	32.2	84	..	6.1	..	36.5	0	30	0	0	0	0	0	0	4	25		0	0
Agathi	0830	4	1010.3	1009.8	..	28.2	25.4	24.4	30.2	81	..	7.1	..	27.2	0	25	5	0	0	0	0	0	5	24	1	0	0
	1730	,,	1008.9	1008.4	..	28.6	25.8	24·7	30.9	81	..	5.1	..	24.8	0	4	26	0	0	1	0	0	2	27		0	0
Androth	0830	5	1010.3	1009.8	..	28.1	26.1	25.3	32.2	85	..	5.6		6.7	0	1	28	1	0	0	0	0	2	9	9	1	8
	1730	,,	1008.8	1008.3	..	28.2	26.3	25 5	32.6	82	..	5.3	..	5.5	0	1	25	0	0	0	0	0	0	14	11	4	1
Minicoy*	0530	2	1009.9	1009.7	..	27.0	24.5	23.3	28.6	80	..	5.8	..	14.8	0	9	20	0	0	0	0	0	1	27	2	0	0
	0830	,,	1011.3	1011.1	+1.7	28·1	25.1	23 7	29.5	78	—3	6.3	+0.7	14.7	0	7	23	0	0	0	0	0	1	27	2	0	0
	1130	,,	1011.5	1011.3	..	29.6	25.8	24·3	30.0	73	..	5.9	..	16.0	0	8	22	0	0	0	0	0	1	27	2	0	0
	1430	,,	1010.1	1009.9	..	29.5	25.8	24.3	30.0	74	..	5.9	..	15.4	0	7	23	0	0	0	0	0	0	28	2	0	0
	1730	,,	1009.5	1010.8	..	28.6	25.3	23.9	29.7	76	..	6.6	..	15.0	0	9	21	0	0	0	0	0	0	29	1	0	0
	2030	,,	1011.0	1010.8	..	27.7	25.0	23.8	29.5	79	..	5.0	..	17.5	0	16	14	0	0	0	0	0	0	30	0	0	0
	2330	,,	1011.6	1011.4	..	27.5	24.9	23.7	28.5	80	..	5.2		18.7	0	15	15	0	0	0	0	0	0	29	1	0	
Hill Stations excluding Kashmir	2330	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dalhousie	0830	1959	1380·5	795 6	+0·1	21·1	15·1	11.3	13·[illegible]	54	—9	0.5	—1.2	0.1	0	0	1	0	1	0	0	0	0	0	0	29	0
	1730	,,	1369.4	795 3	..	25·1	18·0	13·8	15.8	49	..	1·0	..	0·6	0	0	4	0	1	0	1	0	0	0	0	26	2
Dharam Sala	0830	1211	..	..	..	28·8	18·2	10·9	13·0	34	- 15	1·3	—0.6	1.3	0	0	19	0	18	1	0	0	0	0	0	11	0
	1730	,,	..	..	..	30.9	18·2	9·1	11.5	28	..	3·9	..	3.6	0	1	29	2	1	2	1	2	20	0	2	0	0
Simla	0830	2202	1421.8	778·0	—0.2	23·1	19.7	18 0	20.6	75	+20	1.2	—2.3	0.1	0	0	2	0	0	2	0	0	0	0	0	28	0
	1730	,,	1415.9	777·4	..	23.4	21 0	20·5	24·1	86	..	1.9	..	0.5	0	0	7	0		0	0	0	4	0	1	23	0
Lokpal	0830	,,	..	..	..	3.4	3·2	3·0	7·6	97	..	0.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

*Data given as addenda in December 1964, issue

Sub-Division and Station	Hour of observation I. S. T	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind Speed (Km. p.h.): 62 or more	Wind Speed (Km. p.h.): 20 to 61	Wind Speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HILL STATIONS. excluding Kashmir (*contd.*)																											
Badrinath (R)	0830																										
Joshimath	0830	..	..	..	..	20.2	15.0	11.3	13.4	59	..	1.6	..	3.9	0	0	26	1	8	9	3	1	1	1	2	4	0
	1730	..	..	..	..	25.2	16.5	10.7	12.9	42	..	4.8	..	3.5	0	0	28	1	8	4	5	1	4	1	4	2	0
Mussoorie	0830	2042	1409.1	790.7	−2.7	22.9	14.8	9.6	11.8	48	−20	1.4	−2.6	0.9	0	0	10	2	1	0	1	3	3	0	0	20	0
	1730	,,	1383.1	788.9	..	24.4	15.2	8.4	11.3	37	..	3.0	..	4.5	0	0	29	4	1	0	3	10	8	0	3	1	0
Mukteswar	0830	2311	3110.3	768.8	−0.3	20.0	13.3	7.7	10.5	49	−19	1.8	−2.3	10.1	0	1	27	0	1	0	1	0	0	13	13	2	0
	1730	,,	3096.4	767.2	..	22.6	14.9	9.2	11.6	46	..	2.9	..	17.5	0	12	17	0	0	0	0	0	1	14	14	1	0
Nainital	0830	1953	1429.2	800.9	+0.7	22.4	15.0	9.4	11.8	47	−16	1.9	−2.2	6.3	0	0	30	8	0	7	0	2	0	13	0	0	0
	1730	,,	1393.8	797.8	..	23.3	15.8	10.7	12.4	47	..	2.9	..	8.5	0	0	30	12	2	2	1	0	0	13	0	0	0
Kalimpong	0830	1209	..	..	..	23.0	19.6	17.8	20.4	72	−16	0	−6.2	8.0	0	0	30	0	0	0	4	0	1	0	15	0	0
	1730	,,	..	..	..	23.7	20.5	18.9	21.8	75	..	0	..	5.9	0	0	30	0	0	0	23	0	2	0	5	0	0
Darjeeling	0830	2128	1458.5	786.7	+1.6	16.8	16.5	16.3	18.5	94	+6	7.6	+0.7	1.3	0	0	8	4	0	0	0	0	4	0	0	22	0
	1730	,,	1435.3	784.7	..	17.5	16.8	16.5	18.8	93	..	7.2	..	0.9	0	0	5	0	0	0	0	0	4	1	0	25	0
Kohima	0830	1406	1559.4	865.3	..	21.9	20.7	20.1	23.5	91	..	7.1	..	2.0	0	0	30	0	0	0	0	0	0	0	30	0	0
	1730	,,	1497.7	859.1	..	22.4	21.4	20.4	24.0	93	..	7.5	..	1.5	0	0	30	3	1	0	1	0	1	1	23	0	0
Shillong	0830	1500	1443.7	844.7	−0.2	21.0	19.1	18.1	20.8	82	+4	7.3 (b)	+0.7	2.7 (b)	0	1	8	0	1	1	1	1	3	2	0	21	0
	1730	,,	1432.7	843.7	..	21.5	19.7	18.7	21.6	83	..	7.9	..	3.1	0	2	4	0	1	0	0	2	3	0	0	23	0
Cherrapunjee (R)	0830	1313	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(R)	1730	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Aijal	0830	..	..	..	..	21.6	20.5	19.9	23.2	90	..	7.4	..	0.1	0	0	1	0	0	0	0	1	0	0	0	29	0
	1730	..	..	..	..	22.1	20.9	21.3	25.3	90	..	7.4	..	0.2	0	0	1	0	0	0	1	0	0	0	0	29	0
Abu	0830	1195	1457.9	876.4	+1.4	21.5	16.8	13.4	15.4	63	−8	2.4	−2.1	3.8	0	0	23	0	0	0	0	11	12	0	0	7	0
	1730	,,	1444.3	874.4	..	28.7	19.3	14.1	16.1	41	..	0.4	..	10.3	0	4	24	0	0	0	0	14	14	0	0	2	0
Pachmarhi	0830	1075	1464.0	888.8	+1.3	25.0	20.2	17.5	20.1	65	−3	5.3	+0.4	8.2	0	0	30	1	0	0	0	0	0	19	10	0	0
	1730	,,	1443.3	886.0	..	29.9	21.0	16.0	18.3	45	..	5.8	..	5.0	0	0	28	2	2	0	0	0	0	14	10	2	0
Mahabaleshwar	0830	1382	1481.8	860.2	+0.7	18.2	17.8	17.5	20.1	97	+3	7.2	+0.1	12.8	0	0	30	0	0	0	0	0	19	0	11	0	0
	1730	,,	1473.4	859.3	..	19.2	18.7	18.5	21.3	96	..	7.4	..	11.9	0	1	29	0	0	0	0	0	22	0	8	0	0
Mercare	0830	1152	1501.6	885.5	+2.0	19.0	18.4	17.9	20.8	95	+2	6.8	−0.2	12.3	0	2	28	0	0	0	0	0	0	29	1	0	0
	1730	,,	1486.0	883.8	..	20.1	19.2	18.7	21.4	92	..	7.2	..	9.5	0	3	27	0	0	0	0	0	0	27	3	0	0
Ootacamand	0830	2249	1501.9	779.1	+1.5	13.9	12.3	11.5	13.2	85	+1	5.3	−0.9	7.3	0	1	26	0	0	0	0	0	7	20	0	3	0
	1730	,,	1482.3	777.5	..	15.7	13.7	12.3	14.4	81	..	5.8	..	8.1	0	2	26	0	0	0	1	0	4	23	0	2	0
Coonor (R)	0830	1747	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kodaikanal	0830	2343	3149.8	770.8	+1.7	15.1	12.2	9.9	12.2	72	0	6.1	+0.9	10.7	0	11	17	1	0	0	2	0	0	7	18	2	0
	1130	,,	3158.8	771.1	..	17.3	14.0	11.8	13.8	71	..	6.6	..	12.0	0	5	23	1	0	0	4	3	0	3	17	2	0
	1730	,,	3135.5	769.4	..	15.5	13.1	11.4	13.8	77	..	6.5	..	11.0	0	3	24	0	0	0	0	3	0	6	18	3	0
Nepal																											
Katmandu	0830	1324	1431.8	860.7	..	23.4	19.5	17.3	19.9	71	..	4.9	..	0.7	0	0	6	0	2	2	0	0	0	1	1	24	0
	1130	,,	1425.0	859.9	..	26.3	20.1	16.0	18.7	55	..	5.4	..	2.4	0	0	18	1	2	3	3	1	1	5	2	12	0
	1730	,,	1406.3	858.1	..	26.4	20.8	17.6	20.4	62	..	5.5	..	3.7	0	0	21	5	1	0	2	2	1	4	6	9	0
Sikkim																											
Lachen	0830	..	..	..	..	15.5	13.9	12.9	14.9	84	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
HYDROMETEOROLOGICAL OBSERVATORIES—Damodar Catchment																											
Tilaiya	0830	..	..	..	..	32.9	23.6	18.7	21.6	47	..	5.2	..	13.4	0	5	25	1	3	2	0	0	1	17	6	0	0
	1730	..	..	..	..	36.1	23.9	17.3	19.7	38	..	5.2	..	9.9	0	0	29	4	2	4	0	0	0	12	7	1	0
Hazaribagh	0830	615	997.5	931.8	..	31.1	25.1	22.6	27.4	63	..	4.6	..	9.6	0	1	26	2	0	0	0	0	3	7	15	3	0
	1730	,,	994.0	928.9	..	33.2	25.3	21.5	26.3	55	..	5.8	..	7.2	0	0	25	0	0	0	0	0	3	8	14	5	0
Konar	0830	..	..	..	..	33.3	24.9	20.8	24.6	48	..	3.3	..	10.8	0	3	26	4	0	0	2	0	0	6	17	1	0
	1730	..	..	..	..	33.3	25.3	21.6	25.8	51	..	1.4	..	12.7	0	6	23	2	0	0	0	0	0	20	7	1	0
Bokaro	0830	242	997.4	971.1	..	33.1	25.5	22.0	26.4	54	..	3.9	..	5.6	0	0	29	1	0	2	1	2	10	6	7	1	0
	1730	,,	991.1	968.1	..	35.0	25.7	21.3	25.3	50	..	4.8	..	7.7	0	0	30	5	2	4	2	1	5	5	6	0	0
Maithon	0830	..	..	..	..	32.9	25.7	22.4	27.1	57	..	4.3	..	3.4	0	0	30	0	0	0	11	4	13	1	1	0	0
	1730	..	..	..	..	35.5	25.8	21.2	25.2	48	..	5.3	..	5.2	0	0	30	0	4	0	12	3	10	0	1	0	0
Ramgarh	*0830	..	..	..	..	33.0	24.3	19.9	23.2	49	..	2.7	..	7.7	0	0	23	3	0	2	0	2	1	12	3	0	0
	†1730	..	..	..	..	34.2	23.7	18.1	20.8	47	..	4.5	..	11.5	0	2	22	5	0	3	2	4	1	3	6	0	0
Panchet Hills*	0830	..	..	..	..	32.3	26.0	23.2	28.4	61	..	4.2	..	6.0	0	0	21	0	0	0	7	0	14	0	0	9	0
	1730	..	..	..	.	33.3	25.4	21.7	25.9	55	..	5.9	..	6.4	0	0	19	0	3	0	6	0	8	0	2	11	0
Durgapur	0830	..	..	..		31.2	26.0	23.7	29.3	65	..	4.8	..	6.4	0	0	30	1	2	2	3	15	1	3	3	0	0
	1730	..	..	..	.	31.9	24.9	21.6	25.8	56	..	6.9	..	7.8	0	0	30	1	2	2	8	12	1	2	2	0	0

(b) Mean of 29 days. *Wind directions for 23 days. †Wind direction for 23 days.

(R) Register not received.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km.p.h.): 63 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hydrometeorological Observatories—*contd.*																											
Mahanadi Catchment																											
Ginabahar	0830	..	..	..	..	31·0	23·6	19·8	23·7	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hirakund	0830	159	1010·5	983·0	..	31·1	25·1	22·3	26·9	61	..	4·9	..	4·2	0	0	26	0	0	0	2	3	5	13	3	4	0
	1130	,,	999·7	982·4	..	34·4	25·6	21·5	25·6	50	..	4·6	..	7·7	0	2	28	1	0	0	0	0	4	18	7	0	0
	1730	,,	996·1	979·0	..	35·8	25·5	20·5	24·1	44	..	5·0	..	3·7	0	1	22	1	0	1	1	2	5	9	4	7	0
Bhimkunda	0830	..	..	..	..	29·9	24·6	22·0	26·4	65	..	4·3	..	0·9	0	0	9	0	1	0	0	0	3	0	5	21	0
	1730	..	..	..	..	31·9	24·0	19·9	23·2	53	..	5·1	..	2·5	0	1	14	1	0	0	5	0	5	0	4	15	0
Sonepur	0830	..	..	..	..	31·7	28·9	27·9	37·6	81	..	..	..	16·1	0	11	18	1	0	1	0	2	2	23	0	1	0
Khajrawan	0830	..	..	..	..	29·9	23·6	20·2	24·0	60	..	3·2	..	15·3	0	9	21	1	1	0	2	5	19	0	2	0	0
	1730	..	..	..	..	31·9	24·2	20·2	23·8	53	..	3·8	..	13·9	0	7	23	3	0	0	2	3	16	0	6	0	0
Narmada Catchment																											
Bagra Tawa	0830	..	..	..	..	30·8	23·5	19·6	22·9	53	..	4·6	..	13·0	0	0	30	0	0	0	0	0	21	7	2	0	0
	1730	..	..	..	..	36·6	23·9	16·4	19·3	33	..	4·5	..	11·6	0	0	30	1	0	1	0	1	9	13	5	0	0
Punasa (R)	0830																										
(R)	1730																										
Thikri	0830	..	..	..	..	31·1	19·0	9·6	12·1	27	..	3·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sabarmati Catchment																											
Daroi	0830	..	..	..	..	29·2	25·6	24·1	29·8	74	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	38.0	26·6	21·3	25·5	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gandak Catchment																											
Jomosom	0830	..	..	..	..	20·0	(c) 15·8	(c) 13·6	(c) 15·6	(c) 73	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	19·1	15·2	13·1	15·2	75	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Khudi Bazar	0830	..	..	..	..	25·1	21·4	19·6	22·9	73	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	26·7	22·4	20·3	24·0	69	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Timure**	0830	..	..	..	..	22·7	17·7	14·6	17·0	63	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	24·0	18·1	14·6	17·0	59	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pokhara	0830	..	..	..	..	25·1	21·7	19·9	23·4	75	..	4·0	..	1·6	0	0	14	1	0	1	8	3	1	0	0	16	0
	1130	..	..	..	..	28·1	22·6	19·9	23·4	63	..	3·9	..	4·0	0	0	25	1	0	2	14	7	1	0	0	5	0
	1730	..	..	..	..	25·8	22·0	20·1	23·7	73	..	6·1	..	5·8	0	1	21	6	0	1	5	5	1	0	4	8	0
Gorkha	0830	..	..	..	..	23·3	20·8	19·4	22·7	81	..	4·3	..	..	..	..	..	1	0	1	5	2	8	2	1	10	0
	1130	..	..	..	..	26·8	22·0	19·5	23·0	67	..	3·8	..	..	..	..	..	3	0	0	2	3	11	5	2	4	0
	1730	..	..	..	..	26·1	21·4	18·8	22·0	67	..	4·9	..	..	..	..	..	1	3	0	2	3	8	2	4	7	0
Nuwakot†	0830	..	..	..	..	24·2	21·7	20·4	24·1	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	26·8	22·3	20·0	23·7	70	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghaghara Catchment (Trans Himalayan Region)																											
Dailekh	0830	..	..	..	..	23·9	18·6	15·3	17·6	62	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	27·9	20·3	15·9	18·4	50	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghaghara Catchment																											
Dadeldhura	0830	..	..	..	..	21·9	16·7	13·4	15·8	62	..	2·2	..	4·7	0	0	27	3	2	9	6	1	0	3	3	3	0
	1130	..	..	..	..	26·5	17·8	12·3	14·9	45	..	2·8	..	7·7	0	0	30	9	0	1	0	1	0	1	18	0	0
	1730	..	..	..	..	24·3	18·0	14·2	16·7	57	..	3·7	..	10·7	0	1	29	6	0	0	1	5	10	2	6	0	0
Sallyana	0830																										
	1730																										
Butwal	0830	..	..	..	..	26·6	19·6	14·9	17·7	55	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	27·1	19·2	13·7	16·8	49	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bagmati Catchment																											
Katmandu*																											
Kosi Catchment																											
Chautwra	0830	..	..	..	..	31·3	24·6	21·1	25·5	58	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	35·1	25·7	20·8	25·3	48	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

**Observations for 29 days.

(R) Register not received.

*Data include under 'Nepa

†Observations are for 23 days.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hydrometeorological Observatories—*contd.*																											
Kosi Catchment—contd.																											
Walungchang Gole	0830	..	..	..	..	12·3	11·3	10·8	13·0	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	11·7	11·2	10·9	13·0	95	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taple thok	0830	..	..	..	..	21.5	19·7	18·9	21·9	86	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	21·7	20·0	19·1	22·2	85	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bhojpur	0830	..	..	..	..	20·7	19·4	18·7	21·6	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	.	..	..	20·7	19·3	18·6	21·5	89	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..
Taplejung	0830	..	.	..	..	19·7	18·5	17·9	20·5	87	..	7·0	..	1·2	0	0	11	5	0	0	1	0	0	0	5	19	0
	1130	..	..	..	..	21·9	19·8	18.8	21·8	83	..	6·6	..	3·2	0	0	22	5	0	1	0	4	3	1	8	8	0
	1730	..	..	..	..	20·8	19·0	18·1	20·9	81	..	6·5	..	4·6	0	1	15	0	0	0	2	6	1	2	5	14	0
Okhaldhunga	0830	..	..	..	..	19·9	18·3	17·3	19·9	87	..	4·8	..	0·7	0	0	5	0	0	0	1	0	0	4	0	25	0
	1130	..	..	..	..	22·0	18·7	16·7	19·5	76	..	5·3	..	3·0	0	0	15	0	0	2	0	2	0	8	3	15	0
	1730	..	..	..	..	20·3	18·6	17·6	20·5	87	..	5·5	..	3·9	0	0	15	0	0	1	0	1	0	13	0	15	0
Chainpur	0830	..	..	..	..	21·7	20·3	19·2	22·7	88	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	22·2	20·8	20·1	23·6	88	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Angbung*	0830																										
	1730																										
Barahakshetra	0830	146	1000·0	983·7	..	28·0	24·8	23·3	28·7	77	..	5·8	..	1·9	0	0	16	0	0	0	1	1	9	5	0	14	0
	1130	„	999·0	982·9	..	30·9	25·9	23·7	29·4	67	..	5·9	..	3·4	0	0	20	0	0	0	0	0	18	2	0	10	0
	1730	„	996·3	980·2	..	30·5	25·7	23·4	29·2	69	..	5·5	..	2·3	0	0	18	0	0	0	1	0	11	4	2	12	0
Tista Catchment																											
Gangtok	0830	1812	1435·0	813·8	..	18·7	17·8	17·3	19·8	91	..	7·3	..	0·3	0	0	2	2	0	0	0	0	0	0	0	28	0
	1130	„	1426·6	813·4	..	20·9	19·3	18·6	21·4	87	..	7·1	..	1·1	0	0	8	3	0	0	0	3	2	0	0	22	0
	1730	„	1408·8	811·6	..	19·9	18·5	17·9	20·5	88	..	6·8	..	0·5	0	0	4	1	2	0	1	0	0	0	0	28	0
Cezing	0830	..	..	..	..	20·3	19·4	19·0	22·0	92	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	21·1	19·9	19·3	22·4	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

*Data not reliable

MONTHLY MEANS OF UPPER WINDS

June, 1965 (*Jyaistha* 11—*Asadha* 9, 1887 *Saka*)

During the month, observations of velocity and direction of upper winds were made at 54 stations in India. Out of these, at 39 stations all the observations were taken by means of pilot balloons and at 14 stations some observations were made by means of pilot balloons while the other observations by the radiowind method. In the case of Bangalore, the observations were taken by following radiosonde balloon by means of an optical theodolite. Particulars of these stations, their co-ordinates and the approximate times of the regular pilot balloon and rawin ascents at each station are given in the table overleaf. All radiowind ascents have been indicated by means of an asterisk(*) against the scheduled hours.

Data from ascents made at the scheduled time or within two hours on either side of the scheduled times of regular observations have been used for averaging.

Data upto 9.0 km. a.m.s.l. are given under Table IV and data above 9.0 km. a.m.s.l. under Table V.

In Tables IV and V :

n—represents the number of observations;

V—represents the mean wind speed in metres per second irrespective of direction;

v—represents the resultant mean velocity in metres per second;

D—represents the direction of the resultant mean wind in degrees East of North.

Means and resultant winds are given in this publication for the following heights :

Surface, 0.15 km. a.g., 0.3, 0.6, 0.9, 1.5, 2.1, 3.0, 3.6, 4.5, 5.4, 6.0, 7.2, 9.0, 10.5, 12.0, 14.1, 16.2, 18.0, 21.0, 24.0, 27.0, 30.0, 33.0, and 36.0 km. a.m.s.l. Of these, the levels 1.5, 3.0, 5.4, 7.2, 9.0, 12.0, 14.1, 16.2, 18.0, 21.0, 24.0, 27.0 and 30.0 km. a.m.s.l. are considered as the best approximations to the standard pressure levels 850, 700, 500, 400, 300, 200, 150, 100, 70, 50, 30, 20 and 10 mb. respectively.

* * * * * *
* * * * *

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS IN INDIA

S. No.	Station	Lat. N.	Long. E.	Height of anemometer head a.m.s.l. in metres	Date of opening **	Approximate times of flight (I.S.T.)			
1.	Agartala	23°53′ N	91°15′E	17	28th November, 1951	0530	1130	1730	2330
2.	Ahmadabad	23°04′ N	72°38′E	61	19th May, 1928	0530*	1130	1730*	2330
3.	Allahabad/Bamhrauli	25°27′ N	81°44′E	103	28th February, 1930	0530*	1130	1730*	2330
4.	Ambala	30°23′ N	76°46′E	279	18th March, 1928	0530	1130	1730	2330
5.	Amini	11°07′ N	72 44′E	14	15th May, 1965	0530			
6.	Anantapur	14°41′ N	77°37′E	365	12th February, 1946	0530		1730	2330
7.	Asansol	23°41′ N	86°59′E	135	29th May, 1942	0530	1130	1730	2330
8.	Aurangabad/Chikalthan	19°51′ N	75°24′E	583	7th October, 1951	0530		1730	2330
9.	Bahraich	27°34′ N	81°36′E	134	1st October, 1961	0530	1130	1730	
10.	Bangalore	12°58′ N	77°35′E	936	19th May, 1915	0530@	1130	1730@	2330
11.	Bareilly	28°22′ N	79°24′E	181	12th January, 1943	0530		1730	
12.	Begampet	17°27′ N	78°28′E	543	1st September, 1929	0530		1730	2330
13.	Bhagalpur	25°14′ N	86°57′E	61	19th May, 1950	0530		1730	
14.	Bhopal/Bairagarh	23°17′ N	77°21′E	532	17th February, 1955	0530		1730	2330
15.	Bhubaneshwar	20°15′ N	85°50′E	54	5th December, 1942	0530		1730	2330
16.	Bhuj/Rudramata	23°15′ N	69°48′E	90	14th September, 1937	0530		1730	2330
17.	Bikaner	28°00′ N	73°18′E	229	18th October, 1946	0530		1730	2330
18.	Bombay/Santa Cruz	19°07′ N	72°51′E	27	14th May, 1933	0530*	1130	1730*	2330
19.	Calcutta/Dum Dum	22°39′ N	88°27′E	13	14th May, 1921	0530*	1130	1730*	2330
20.	Cochin/Willingdon†	09°56′ N	76°14′E	13	16th March, 1942	0530		1730	2330
21.	Dehra Dun	30°19′ N	78°03′E	692	1st October, 1958	0530		1730	
22.	Dibrugarh/Mohanbari	27°29′ N,	95°01′E	112	1st June, 1948	0530	1130	1730	2330
23.	Gadag	15°25′ N	75°38′E	650	3rd May, 1943	0530		1730	2330
24.	Gangtok	27°20′ N	88°37′E	1764	1st May, 1963	0830		1730	
25.	Gauhati	26°05′ N	91°43′E	55	11th March, 1955	0530*	1130	1730*	2330
26.	Gaya	24°45′ N	84°57′E	119	19th March, 1937	0530	1130	1730	2330
27.	Gopalpur	19°16′ N	84°53′E	24	15th February, 1946	0530		1730	2330
28.	Gorakhpur	26°45′ N,	83°22′E	83	5th January, 1943	0530		1730	
29.	Gwalior	26°14′ N	78°15′E	208	7th May, 1938	0530	1130	1730	2330
30.	Imphal/Tulihal	24°46′ N	93°54′E	782	29th March, 1943	0530	1130	1730	2330
31.	Jabalpur	23°10′ N	79°57′E	402	30th July, 1928	0530		1730	2330
32.	Jagdalpur	19°05′ N	82°02′E	562	25th March, 1948	0530		1730	2330
33.	Jaipur/Sanganer	26°49′ N	75°48′E	403	6th June, 1953	0530		1730	2330
34.	Jamshedpur	22°49′ N	86°11′E	144	23rd July, 1942	0530	1130	1730	
35.	Jharsuguda	21°55′ N	84°05′E	240	1st May, 1944	0530		1730	2330
36.	Jodhpur	26°18′ N	73°01′E	229	15th October, 1934	0530*	1130	1730*	2330
37.	Lucknow/Amausi	26°45′ N	80°53′E	133	20th November, 1950	0530		1730	2330
38.	Madras/Minambakkam	13°00′ N	80°11′E	29	8th April, 1926	0530*	1130	1730*	2330
39.	Mangalore/Bajpe	12°55′ N.	74°53′E	104	4th June, 1928	0530		1730	2330
40.	Minicoy	08°18′ N	73°00′E	15	14th April, 1941	0530	1130	1730*	2330
41.	Nagpur/Sonegaon	21°06′ N.	79°03′E	316	23rd April, 1943	0530*	1130	1730*	2330
42.	New Delhi/Safdarjung	28°35′ N	77°12′E	227	16th November, 1929	0530*	1130	1730*	2330
43.	Poona	18°32′ N	73°51′E	593	5th January, 1925	0530		1730	2330
44.	Port Blair	11°40′ N	92°43′E	95	13th March, 1926	0530*	1130	1730*	2330
45.	Raipur	21°14′ N	81°39′E	308	15th July, 1944	0530		1730	2330
46.	Raxaul	26°59′ N	84°51′E	83	28th October, 1957	0530		1730	
47.	Srinagar	34°05′ N	74°48′E	1595	1st August, 1962	0530*		1730*	
48.	Tiruchchirappalli	10°46′ N	78°43′E	96	22nd June, 1936	0530		1730	2330
49.	Trivandrum	08°29′ N	76°57′E	73	8th December, 1928	0530*	1130	1730*	2330
50.	Udaipur	24°35′ N	73°42′E	587	24th June, 1947	0530		1730	2330
51.	Vengurla	15°52′ N	73°38′E	8	20th November, 1941	0530		1730	2330
52.	Veraval	20°54′ N	70°22′E	17	13th October, 1941	0530		1730	2330
53.	Vijaywada/Gannavaram	16°32′ N	80°48′E	32	1st April, 1957	0530		1730	2330
54.	Vishakhapatnam	17°43′ N	83°14′E	10	24th September, 1928	0530*	1130	1730*	2330

* Radio wind ascents.

** Refers to date from which data are available.

† Naval Meteorological Office.

@ Radiosonde ascents followed by optical theodolite.

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WIND

Winds upto 9.0 Km. above mean sea level

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

Station	AGARTALA																AHMADABAD							
Time in I. S. T.	0530				1130				1730				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	3·1	2·8	151	15	4·3	3·4	166	30	3·2	2·7	163	30	2·7	2·5	153	30	2·7	2·5	261	30	3·7	3·3	240
0·15 a. g. .	20	7·4	7·3	157	12	6·7	5·1	168	26	6·8	6·0	165	24	6·9	6·7	163	30	6.2	5·8	261	30	6·2	5·8	236
0·3 a. m. s. l. .	20	8·5	8·2	175	12	6·7	5·1	172	26	7·5	7·1	161	24	8·0	7·7	175	30	6·6	6.2	264	30	6.3	5.9	237
0·6 ,, .	20	9·0	8·7	180	12	8·2	6·9	174	26	8·0	8·0	174	23	8·6	8·3	183	30	7·8	7·5	270	30	6·5	6·2	238
0·9 ,, .	20	8·0	7·2	191	11	8·7	7·6	179	26	8.1	7·6	187	22	8·2	7·6	185	30	9·1	8·8	274	30	6·9	6·6	241
1·5 ,, .	17	6·5	4·9	205	7	4·9	2·7	167	19	5·0	3·3	217	15	4·1	2·6	198	30	7·9	7·4	258	28	7·9	7·5	242
2·1 ,, .	13	5·0	2·1	229	2	3·0	3·0	108	15	6·7	2·8	252	11	5·3	2·7	275	30	5·9	5·0	241	21	7·2	6·2	242
3·0 ,, .	8	4·4	2·3	333					14	7·1	3·7	295	8	4·0	2·0	202	30	5·2	2·1	301	10	4·1	1·7	270
3·6 ,, .	4	3·5	2·9	359					10	6·6	3·1	313	2	4·0	1·4	215	30	7·4	2·2	015	10	6·2	2·2	273
4·5 ,, .	3	4·0	3·5	358					4	5·0	1·6	062					30	7·0	2·5	359	8	6·4	3·8	231
5·4 ,, .	2	3.0	2.4	037					4	5·2	3·0	085					30	7·9	2·5	015	8	6·3	3·9	243
6·0 ,, .	2	4·0	3.9	059					4	4.2	1.0	357					30	7·8	2·2	007	8	6.6	4.5	250
7·2 ,, .	2	3.0	2.5	066					3	3.0	2.1	315					30	8·1	2·9	345	7	7.4	5.8	272
9·0 ,, .	1	7.0	7.0	058					1	2.0	2.0	025					30	7.1	2.6	026	3	4.7	4.1	289

Station	AHMADABAD								ALLAHABAD/BAMHRAULI															
Time in I. S. T.	1730*				2330				0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	4·5	3·9	250	30	3.8	3.3	238	30	1·1	0·7	230	30	2·8	2·3	274	30	3·2	2·4	287	30	1·2	0·3	223
0·15 a. g. .	30	6·7	6·0	248	30	8·0	7·2	240	30	7·9	5·7	268	30	5·8	5·2	292	30	7·6	5·7	302	30	7·5	4·0	268
0·3 a. m. s. l. .	30	6·9	6.2	250	30	8 6	7·6	240	30	7·9	5·7	268	30	6.2	5·7	294	30	7.6	5·7	302	30	8.0	4.0	274
0·6 ,, .	30	6.9	6·0	251	30	10·2	9·5	254	30	9·9	8·7	286	30	6.2	5·7	296	30	7·6	6·3	307	30	9.0	4·6	282
0·9 ,, .	30	7·2	6·6	253	30	10·4	9·8	255	30	11·1	10·3	291	30	6·8	6·6	298	30	7·2	6·4	301	30	8·0	4·7	280
1·5 ,, .	30	6·9	6·5	263	30	8·1	7·4	249	30	10·1	9·7	301	30	8·0	7·5	307	30	8·1	7·4	300	30	8·0	6·9	288
2·1 ,, .	30	7·3	7·0	269	25	5·0	4·2	246	30	9·9	9·2	303	30	8·8	8·4	307	30	8·5	8·0	300	30	10·0	6·5	293
3·0 ,, .	30	5·4	2·4	302	23	4·9	1·4	270	30	9·4	8·6	300	30	9·9	9·2	304	30	9·7	8·7	295	25	10·4	9·0	298
3·6 ,, .	30	5·6	1·8	011	9	5·7	2·3	089	30	9.5	8.2	303	28	11·1	9·6	303	30	9·5	8·1	290	9	7·8	7.3	322
4·5 ,, .	30	6.5	2.3	016	3	9·0	6·0	060	30	9.1	7.6	300	21	11·8	10·7	290	28	10.2	9.1	290	3	9.6	8.6	293
5.4 ,, .	30	6.5	2.5	330	2	3.	3.1	141	29	7.7	6.3	288	20	12·5	10·8	281	28	10.4	8.5	292				
6·0 ,, .	30	7.2	3.2	339	2	3.0	1.1	057	30	7.8	5.6	291	15	9·6	7·4	282	28	8.5	6.7	285				
7·2 ,, .	30	7.2	2.5	321					30	8.3	5.2	292	11	9.4	6·4	268	27	8.6	6.1	298				
9·0 ,, .	30	7.7	2.0	023					29	7.8	4.8	282	7	8·3	4.7	253	27	8.2	5.0	293				

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

Station	AMBALA																AMINI			
Time in I.S.T.	0530				1130				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	1·8	1·0	293	30	2·3	1·9	299	30	3·4	3·0	304	30	2·3	1·4	295	29	10·3	10.2	268
0·15 a. g. .	30	7.1	4·0	299	30	5.0	4·1	289	30	6·1	5·7	300	30	8·6	6·8	303	27	10·5	10·3	266
0·3 a. m. s. l. .	30	4·0	1.8	288	30	3.3	2.8	289	30	4·0	3·9	295	30	4·6	3·4	291	27	11.0	10.8	266
0·6 ,, .	30	7·7	5·2	307	30	5·7	4·5	289	30	6·8	5·7	285	30	8·3	6·7	307	27	11·9	11·7	267
0·9 ,, .	30	8·1	6·3	310	30	6·5	5·4	293	30	7·6	7·1	299	30	8·1	7·3	310	24	12·2	12·0	271
1·5 ,,	29	8·3	7·9	311	29	7.3	6·2	300	28	8·1	7·3	300	29	8·6	8·1	310	9	11·2	11.1	275
2·1 ,, .	24	8·2	7·8	306	25	8·4	7.1	302	25	8·8	8.5	300	22	8·8	8·1	311	2	11·5	11·5	288
3·0 ,, .	19	9·0	8·8	303	13	9·0	8·5	307	17	8·8	8.5	308	8	8·7	8·4	310				
3·6 ,, .	14	9·9	9·5	308	11	10·4	9·6	311	12	11·1	10·9	318	3	9.3	8.7	307				
4·5 ,, .	14	9·5	9·0	312	7	9·7	9·1	312	9	8.9	8.6	320	1	13·0	13·0	315				
5·4 ,, .	12	10·2	9·2	322	7	10·4	9·9	299	9	8.5	8.3	310								
6·0 ,, .	12	10·3	9·5	310	7	11·7	11·1	293	8	9.1	8.3	307								
7·2 ,, .	9	14·3	13.8	280	6	12.3	12·1	288	4	11·8	11·0	295								
9·0 ,, .	5	18·2	17·9	292	2	23.5	23·5	277	2	17·5	17·0	297								

Station	ANANTAPUR												ASANSOL							
Time in I. S. T.	0530				1730				2330				0530				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	3·7	3·7	270	30	6·2	5·8	269	30	6·8	6·3	264	30	1·4	0·8	193	15	2·1	0·3	268
0·15 a. g. .	30	8·4	8·2	260	30	10·0	9·0	271	28	12·6	12·3	257	30	4·7	3·0	210	15	4·8	2·0	263
0·3 a. m. s. l. .													30	4·9	3·3	224	15	4·9	1·7	253
6·0 ,, .	30	9·6	9·5	262	30	8·7	8·1	269	28	13·8	13·5	258	30	7·4	5·5	256	15	4·7	2·0	245
0·9 ,, .	30	13 0	12·8	269	30	9·4	9·0	269	28	14·7	14·4	260	30	8·2	6·5	271	15	4·4	2·6	273
1·5 ,, .	29	12·8	12·5	279	26	9·2	8·9	273	28	13·8	13·5	274	27	7·9	6·7	290	15	6·8	5·4	289
2·1 ,, .	27	10·3	9·5	285	20	9·7	9·3	275	25	9·1	8 5	285	25	8·0	7·7	296	7	9·0	8·3	317
3·0 ,, .	16	6·7	5·2	285	12	7·8	7·0	271	14	7·6	6·0	278	20	9·8	9·2	312	1	9.0	9.0	346
3·6 ,, .	9	6·7	3·1	248	7	10·6	7·8	269	8	6·0	4·3	278	15	11.0	9·6	305				
4·5 ,, .	6	6·0	2·5	185	3	4.0	3.9	167	1	4·0	4·0	298	7	8·7	8·0	326				
5·4 ,, .	3	4·7	4·3	228	2	3.5	3.3	109					3	4·0	2·5	329				
6·0 ,, .	3	4·3	3·9	263	2	3.0	2.7	099					3	6·3	1·8	046				
7·2 ,, .	3	3·7	3·1	329	2	3.5	2·4	185												
9·0 ,, .	2	4·0	1·7	298	1	10.0	10·0	105												

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

Station	ASANSOL								AURANGABAD/CHIKALTHAN												BAHRAICH			
Time in I. S. T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	2·0	0·4	160	30	2·1	1·2	166	30	4·4	4·3	271	30	5·6	4·9	275	30	5·5	5·4	269	30	1·7	1·3	090
0·15 a. g.	29	5·4	1·6	188	29	5·9	3·1	177	30	9·1	8·9	277	30	7·5	6·7	268	29	11·6	11·4	277	28	8·1	3·4	105
0·3 a. m. s. l.	29	5·4	1·4	182	29	6·0	3·2	180													28	8.0	3·4	108
																					28	9·4	1·5	121
0·6 ,,	29	5·6	0·5	183	29	7·0	3·9	200													28	7.9	2·4	273
0·9 ,,	29	5·6	0·6	288	29	6·8	3·8	217	30	11·2	10·9	259	30	8·6	8·1	276	29	13·8	13.6	283	24	8·3	7·3	295
1·5 ,,	29	6·2	2·8	295	28	6·5	4·3	282	29	10·6	9·9	250	29	9·7	9·5	280	29	12·8	12·4	286	20	11·5	10·6	298
2·1 ,,	28	7·7	6·3	305	27	6·7	5·4	292	18	5·1	3·3	276	24	8·7	7·9	280	25	7·2	5·7	292	5	12·0	10·2	29[illegible]
3·0 ,,	21	10·4	9·4	315	21	9·2	8·5	311	6	5·2	4·6	224	9	9·1	7·5	268	12	3·8	2·6	171	3	11·0	10·9	299
5·6 ,,	16	10·2	8·9	313	16	10·6	9·6	314	3	6·7	6·3	222					5	5·2	5.0	210	1	18·0	18·0	297
4·5 ,,	8	9·6	7.4	323	5	8·4	7·9	336	1	12·0	12·0	223									1	18·0	18·0	294
5 4 ,,	4	6·5	5.7	323																				
6·0 ,,	4	5·3	5·1	303																				
7·2 ,,	3	8·7	5·4	011																				
9·0 ,,	2	6·0	5·7	352																				

Station	BAHRAICH								BANGALORE															
Time in I. S. T.	1130				1730				0530@				1130				1730@				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	2·1	0·5	170	30	2·3	0·9	288	30	4·8	4·5	253	30	6·1	5·7	263	30	4·8	4·4	272	30	4·8	4·6	266
0.15 a. g.	30	4·9	1·0	172	30	6·4	3·6	298	21	9·3	9·2	258	30	10·5	10·1	262	30	8·9	8·5	261	29	9·3	9·1	259
0·3 a. m. s. l.	30	5·0	1·1	175	30	6·4	3·4	297																
0·6 ,,	30	5·7	1·5	182	30	7·1	4·0	292																
0·9 ,,	29	5.3	2·4	249	27	7·3	5·5	289																
1·5 ,,	26	6 2	5·6	291	26	8·8	8·2	287	21	12·4	12·0	271	29	10·9	10·7	270	30	10·8	10·3	264	29	14·0	13·8	269
2·1 ,,	18	9 2	8·8	298	17	10·5	10·4	294	20	12·2	11·5	276	24	10·3	9·7	281	29	10·6	9·5	269	27	13·6	12·6	274
3·0 ,,	11	14 0	13·1	308	7	11·6	11·2	298	18	8·1	5·6	279	6	6·2	2·1	308	19	9·0	6·4	276	19	8·7	6·8	286
3·6 ,,	7	13 6	13·2	304	4	10·8	10·7	297	16	7·3	3·7	261	5	5·4	1·4	155	15	6·9	3·9	265	12	7·0	4·6	270
4·5 ,,	5	13 4	13·2	293	1	14·0	14·0	320	13	7·8	2·9	292	3	6·7	6·2	127	13	5·8	2·5	241	5	4·8	2·9	245
5·4 ,,	4	10.5	10.4	292	1	19·0	19·0	300	9	4·1	1·0	279	2	7.0	6·5	133	10	3·7	0·5	220	1	4·0	4·0	110
6·0 ,,	4	13.5	13.3	298	1	16·0	16·0	300	9	3·3	0·9	217	2	4·0	3·9	130	10	3·6	1·5	308				
7·2 ,,	2	11·0	11·0	283	1	9·0	9 0	300	8	3·1	1·9	205	2	4·0	3·4	267	9	4·4	0·7	081				
9·0 ,,									5	5·8	5·2	073	1	2·0	2·0	270	5	5·2	4·5	316				

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 Km. above mean sea level

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

Station	BAREILLY								BEGAMPET												BHAGALPUR			
Time in I. S T.	0530				1730				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	1·4	0·2	321	30	2·1	1·8	273	30	4·5	4·2	270	30	4·6	4·1	269	30	4·5	3·9	262	30	2·1	1·3	077
0·15 a. g.	30	7·8	3·5	307	30	5·7	5·0	293	30	9·0	8·6	272	30	7·3	6·1	269	29	9·1	8·5	264	29	5·2	2·7	086
0·3 a. m. s. l.	30	7·1	2·8	313	30	5·6	4·9	293													29	5·6	2·5	251
0·6 ,,	30	10·0	7·4	298	30	7·5	7·2	294	30	7·6	7·1	271	30	6·4	5·7	268	29	6·5	6·0	263	29	7·2	2·1	175
0·9 ,,	30	10·8	9·3	302	30	8·2	8·0	295	30	12·8	12·2	287	30	8·0	7·4	272	29	10·9	10·4	271	26	7·4	3·3	227
1·5 ,,	30	11·5	11·4	306	29	9·0	8·9	293	29	14·0	13·5	297	30	7·6	6·9	276	29	10·2	9·7	275	25	7·1	5·3	272
2·1 ,,	28	12·3	12·2	304	25	9·8	9·5	293	29	11·1	10·5	293	25	8·1	7·3	280	28	8·4	7·3	286	23	7·6	6·9	282
3·0 ,,	16	11·7	11·4	301	21	10·2	9·9	294	24	5·0	3·6	299	23	6·0	6·0	286	23	5·8	4·2	295	14	10·3	9·3	307
3·6 ,,	10	12·1	11·7	301	19	10·2	9·3	294	20	3·8	1·1	279	17	6·4	5·5	280	8	4·9	2·1	334	10	10·5	10·2	305
4·5 ,,	5	11·6	11·2	299	12	9·7	9·0	299	11	5·4	3·8	236	13	6·9	5·9	277	1	2·0	2·0	142	7	7·1	6·8	298
5·4 ,,	1	9·0	9·0	290	5	8·8	8·3	271	8	4·5	2·1	238	10	5·7	4·6	279					5	9·0	5·0	276
6·0 ,,	1	8.0	8.0	265	4	11·5	11.4	274	3	4.3	2.4	261	8	5·9	4·0	298					1	2·0	2·0	251
7·2 ,,					2	17·0	16·7	269	2	5·0	4·7	319	2	7.5	3·9	312								
9·0 ,,									1	2·0	2·0	124												

Station	BHAGALPUR				BHOPAL/BAIRAGARH												BHUBANESHWAR							
Time in I. S. T.	1730				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	2·5	1·5	053	30	4·7	4·5	267	29	5·4	4·2	278	30	3·5	2·9	253	30	3·4	2·6	235	30	5·9	4·5	209
0·15 a. g.	29	5·0	2·6	054	29	10·3	10·1	268	29	7·6	5.6	265	30	9·0	7·3	253	27	6·1	4·1	256	30	7·6	6·1	211
0·3 a. m. s. l.	29	5·2	2·9	055													27	7·2	5·9	267	30	7·7	6·2	215
0·6 ,,	29	5·8	2·8	055	29	8·3	8·0	268	29	6·1	5·0	265	30	7·7	5·8	246	27	8·7	7·6	280	30	7·0	5·3	235
0·9 ,,	29	5·1	1·7	029	29	13·4	13·1	285	29	7·7	6·7	281	30	9·6	8·2	267	27	9·9	8·9	292	30	6·3	5·1	262
1·5 ,,	27	5·6	3·0	292	28	10·8	10·2	299	29	7·7	7·0	280	30	7·8	7·3	280	27	9·3	8·3	298	28	6·6	5·9	302
2·1 ,,	25	8·8	6·7	287	28	6·8	5·8	299	29	6·9	6·3	283	29	5·9	4·7	295	25	6·7	5·5	309	26	6·8	6·2	309
3·0 ,,	19	11·1	9·8	276	24	3·8	1·6	260	25	5·6	3·3	291	26	5·0	1·7	326	21	5·6	4·0	328	23	5·7	4·9	318
3·6 ,,	14	11·1	9·3	305	22	4·8	1·0	248	21	5·0	2·1	324	13	4·7	2·4	033	18	5·5	3·9	331	20	6·2	5·2	316
4·5 ,,	7	8·0	6 6	321	17	5.1	1·1	151	15	6·5	2·7	328					12	6.3	5.3	344	14	6·7	5·5	330
5 4 ,,	4	5·7	2.8	325	12	5.1	1.3	298	12	8·0	3·0	295					3	3.4	2.9	360	9	6·8	5·0	315
6·0 ,,	2	3·0	2·9	321	9	5.7	1.8	325	9	7·7	4·4	260					2	3.0	2.3	029	4	7·0	3·2	096
7·2 ,,	1	5·0	5·0	335	5	3.8	2.1	342	8	5·7	3·9	333									2	2·0	1·2	334
9·0 ,,					1	4.0	4.0	036	3	4·7	4·5	033												

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

Station	BHUBANEHSWAR				BHUJ/RUDRAMATA												BIKANER							
Time in I.S.T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	5·0	3·7	217	30	4·8	4·6	232	30	6·9	6·3	238	30	6·0	5·9	239	30	3·2	2·9	232	30	2·3	2·1	231
0·15 a. g.	22	7·6	6·6	227	30	8·7	8·6	239	30	10·3	10·2	242	30	9·6	9·4	236	30	11·4	10·4	233	28	5·9	6·0	243
0·3 a.m.s.l.	22	8·2	7·4	233	30	9·0	8·9	241	30	10·3	10·3	241	30	8·9	8·8	236	30	9·1	8·3	233	28	5·4	4·8	243
0·6 ,,	21	7·7	6·9	246	30	11·0	10·8	246	30	9·8	9·7	243	30	10·3	10·4	240	30	14·6	14·0	238	28	7·0	6·4	243
0·9 ,,	21	7·1	6·5	260	29	12·4	12·1	250	29	9·4	9·2	244	30	10·8	10·4	231	30	14·2	9·3	229	28	7·0	6·5	247
1·5 ,,	21	5·9	5·1	290	23	9·4	8·2	256	27	7·8	7·2	254	21	6·0	5·1	242	28	9·5	8·5	252	23	7·4	7·0	252
2·1 ,,	19	4·5	3·9	311	20	6·9	6·2	266	21	6·1	4·7	274	19	4·0	2·5	230	26	6·5	5·9	273	17	7·2	6·6	247
3·0 ,,	17	4·8	3·4	335	16	5·6	3·3	321	18	6·2	2·8	313	17	4·8	1·5	004	19	4·9	3·8	281	16	7·2	6·0	257
3·6 ,,	9	4·6	2·7	351	14	7.0	4.5	003	18	6·8	3·1	006	3	8·3	6·3	050	14	5·9	2·9	333	11	6·4	5·0	307
4·5 ,,	4	7·5	4·9	320	11	7·4	6.2	025	16	6·8	4·3	042					8	5·7	3·5	276	11	6.8	5.1	318
5·4 ,,					9	7.9	6.6	034	15	7·1	4·7	002					7	5·2	1·4	358	11	7·3	5·1	323
6·0 ,,					9	8.1	5.4	034	11	7·7	4·5	327					5	6·8	4·5	323	11	8·0	6·1	323
7·2 ,,					3	7.7	3.4	347	2	7·0	5·9	247					5	10·8	9·0	292	3	13·7	13·0	299
9·0 ,,																	2	10·5	4·7	245	2	21.5	20.7	278

Station	BIKANER				BOMBAY/SANTACRUZ																CALCUTTA/ DUM DUM			
Time in I.S.T.	2330				0530*				1130				1730*				2330				0530*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	2·7	2·4	217	30	2·2	2·0	257	30	3·5	2·6	248	30	5·0	4·8	264	30	3·7	3·1	244	30	1·0	0·9	184
1·15 a. g.	30	11·7	10·0	213	30	5·4	4·9	237	29	5·8	4·8	244	30	6·6	6·1	243	27	6·4	6·1	240	30	5·6	4·5	198
0·3 a.m.s.l.	30	8·9	8·0	210	30	5·5	5·1	240	29	6·5	5·8	248	30	6·6	6·2	245	27	6·4	6·2	245	30	6·3	5·1	219
0·6 ,,	30	12·5	11·3	225	30	5·7	5·4	242	28	6·9	6·3	254	30	7·1	6·7	247	27	7·4	7·2	251	30	7·2	6·0	238
0·9 ,,	29	12·3	12.2	237	30	6·7	6·3	250	25	6·8	6·1	261	30	7·3	7·1	250	27	7·9	7·7	255	30	7·0	5·8	252
1·5 ,,	21	8·6	8·1	254	30	7·0	6·5	251	20	6·9	5·9	268	30	7·0	6·5	246	21	7·0	6·4	254	30	6·5	5.3	281
2·1 ,,	14	6·9	6·0	288	30	6·4	5·6	251	15	5·5	4·0	234	30	6·4	5·8	244	13	6·1	5·0	243	30	7·3	5·8	295
3·0 ,,	10	5·6	4·0	320	30	6·2	4·4	242	9	4·4	2·7	214	30	6·2	4·6	254	8	4·9	3·2	231	30	7·8	6·7	313
3·6 ,,	2	9·0	9·0	001	30	5·7	2·7	246	7	5·0	4·3	209	30	5·7	3·3	254	4	4·7	3·5	209	30	8·1	7·0	313
4·5 ,,					30	5.5	1.8	252	7	6·7	4·8	236	30	5·8	2.8	264	3	4·7	3·3	227	30	7.2	6·1	315
5·4 ,,					30	5.1	1.8	210	7	8·1	5·4	230	30	5·3	2·2	239	2	4·0	4·0	248	30	5·8	3·4	314
6·0 ,,					30	5.1	1.8	193	6	7·3	4·9	245	30	4·9	1·2	184	2	4·5	4·5	260	28	6·4	2·4	314
7·2 ,,					30	5.5	1.3	059	6	5·7	2·5	281	30	5·0	1·6	044					27	5·8	0·8	015
9·0 ,,					30	6.3	4.4	066	5	5·8	1·9	095	30	6·4	4·6	072					26	6·1	1·3	151

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

Station	CALCUTTA/DUMDUM												COCHIN/WILLINGDON†											
Time in I.S.T.	1130				1730*				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	1·7	1·1	191	30	2·3	1·7	155	30	2·0	1·5	175	30	0·9	0·6	250	30	2·9	2·6	283	30	1·5	0·9	272
0·15 a.g.	25	4·5	2·4	196	30	6·2	4·6	176	27	6.6	6·1	192	23	3·6	1·6	300	27	5·0	4·6	292	24	3·8	2·3	284
0·3 a.m.s.l.	25	5·0	2·4	210	30	6·7	5·0	178	27	7·7	7·0	202	23	5·1	3·9	286	27	6·3	6·0	288	24	5·1	4·2	284
0·6 ,,	25	5·1	2·5	228	30	7.3	5·2	183	27	8·5	7·1	210	23	7·7	7·1	280	27	8·1	7·9	291	24	7·8	7·5	285
0·9 ,,	24	5·6	2.7	251	30	6·2	3·7	202	25	8·0	6·2	220	23	9·5	9·0	283	27	9·3	9·2	291	24	9·7	9·5	287
1·5 ,,	19	6·2	4·6	295	30	5.8	4.0	281	22	5·5	3·3	254	21	11·0	10·6	288	27	10·2	10·0	294	23	10·7	10·4	290
2·1 ,,	15	7·0	6·2	308	30	7·5	6·5	305	14	6·2	5·5	317	19	11·3	10·9	290	25	9·8	8·9	295	22	10·1	9·8	287
3·0 ,,	10	8·2	7·3	309	30	9·1	7·6	310	9	9·6	9·2	314	10	9·9	8·0	288	17	9.8	8·1	287	13	12·2	10·2	282
3·6 ,,	6	9·6	8·2	316	30	9.4	7·9	310	2	10·0	10·0	309	4	9·3	3·0	237	13	9·9	7·7	289	7	9·6	5·4	274
4·5 ,,	5	11·4	10.1	320	30	8·0	6·7	304									5	5·4	1.3	209	1	4·0	4·0	135
5·4 ,,	5	13.4	11.7	322	30	6·8	5·0	300									2	3.5	2.5	142	1	1·0	1·0	245
6·0 ,,	5	15.2	13·0	322	30	6·6	4.1	302									1	3·0	3.0	175				
7·2 ,,	4	15.5	10.4	326	30	6.8	3·4	303									1	2·0	2.0	295				
9·0 ,,	3	10.0	5·6	346	29	5·8	1·3	284									1	8.0	8·0	075				

Station	DEHRADUN								DIBRUGARH/MOHANBARI															
Time in I.S.T.	0530				1730				0530				1130				1730				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	0·3	0·3	271	30	1·9	1·6	280	30	1·2	1·0	044	30	1·1	0·5	027	30	1·1	0·8	069	30	1·8	0·8	074
0·15 a.g.	29	1·8	0·9	095	30	5·5	2·2	284	20	4·3	3·1	060	27	2·6	1·0	047	27	3·3	2·1	083	17	3·6	2·6	034
0·3 a.m.s.l.									20	4·4	2·8	060	27	2·7	1·2	060	27	4·0	2·3	084	17	4·1	2·5	039
0·6 ,,									20	4·3	2·1	060	27	2·7	0·9	085	27	4·0	2·4	083	17	3·3	2·4	059
0·9 ,,	29	1·9	1·0	115	30	5·8	5·0	276	20	4·7	1·9	100	25	1·4	0·8	152	27	3·3	1·8	118	17	3·6	2.3	078
1·5 ,,	29	2·6	1·2	280	30	6·9	5·3	280	20	5·0	2·3	212	21	3·5	1·2	173	26	4·6	2·7	209	17	3·6	1·5	192
2·1 ,,	29	4·6	4·4	297	27	6·6	6·4	278	18	5·0	2·5	200	19	3·8	1·7	197	23	5·0	3·7	211	14	4·8	3·4	197
3·0 ,,	25	5·8	4·5	285	21	7·0	6·3	282	12	4·0	1·9	202	14	5·0	4·0	202	19	4·8	4·2	202	12	3.3	2·2	179
3·6 ,,	23	7·2	6·8	308	14	6.5	6·0	307	7	3·1	2·4	201	7	4·4	2·3	212	15	5·5	4·2	206	4	4·3	3·9	201
4.5 ,,	19	7·9	7·6	308	11	6·7	5.2	316	6	4·0	2·7	215	5	4·2	2·9	209	11	4.8	3·2	212				
5·4 ,,	16	9·3	7·9	306	10	6.6	6.6	300	3	5·7	4·9	184	3	6.3	5.4	205	7	4·8	3.3	220				
6·0 ,,	14	10·4	10·3	304	7	8·4	7.6	286	2	5.5	5.3	236	2	4·5	4·3	251	4	4·5	3·8	278				
7·2 ,,	8	14.3	13·4	283	5	14.4	13.8	281									3	8.7	4.3	290				
9·0 ,,	2	21·0	19·5	273																				

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

Station	GADAG												GANGTOK								GAUHATI			
Time in I.S.T.	0530				1730				2330				0830				1730				0530*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	5·4	5·0	237	30	7·2	6·5	253	30	6·2	5·9	253	30	0·2	0·1	045	30	0·3	0·2	112	30	0·9	0·3	023
0·15 a.g. .	29	10·0	9·9	247	29	10·2	9·7	251	30	11·5	11·5	252	8	2·0	1·7	357	11	2·0	1·1	176	30	3·2	1·4	067
0·3 a.m.s.l. .																					30	3·4	0·8	040
0·6 ,, .																					30	4·2	0·7	067
0·9 ,, .	29	11·9	11·6	258	29	10·9	10·5	256	30	12·7	12·3	260									30	4·8	0·7	172
1·5 ,, .	26	13·6	13·3	273	29	11·8	11·4	265	30	13·7	13·3	270									30	5·3	2·0	282
2·1 ,, .	23	12·1	11·4	278	26	10·2	9·7	271	30	10·5	9·5	275	8	1·9	1·6	001	12	2·0	0·8	192	30	6·9	3·3	233
3·0 ,, .	22	8·2	6·3	283	22	6·9	5·5	264	24	6·5	4·9	271	6	1·2	0·9	131	11	2·1	0·5	164	29	6·5	2·9	227
3·6 ,, .	19	6·5	3·8	276	26	6·3	4·3	259	19	6·1	3·3	260	6	1·3	1·3	106	9	2·1	1·5	198	29	7·1	3·9	236
4·5 ,, .	13	5·3	1·3	248	10	5·5	4·1	240	10	5·4	3·0	221	6	3·3	2·1	252	4	2·0	1·8	202	29	6·9	3·9	236
5·4 ,, .	9	5·7	1·4	185	7	4·7	1·6	254	2	5·5	2·2	094	5	4·2	8·1	246	1	4·0	4·0	204	29	6·7	3·8	232
6·0 ,, .	5	5·0	0·1	079	6	4·3	2·3	279					4	10·3	8·3	239	1	4·0	4·0	245	29	6·1	3·9	222
7·2 ,, .	3	5·0	2·2	078	6	3·5	1·1	009					3	10·3	7·1	254					29	6·1	3·8	211
9·0 ,, .	3	9·7	8·6	076	6	3·7	2·5	075					2	13·5	13·3	255					27	5·5	3·6	233

Station	GAUHATI												GAYA											
Time in I.S.T.	1130				1730*				2330				0530				1130				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	2·0	1·3	033	29	1·1	0·7	023	30	1·6	0·3	153	30	2·4	1·2	216	15	7·1	6·1	298	30	4·7	2·6	039
0·15 a. g. .	29	3·5	2·3	040	29	3·3	1·8	052	28	2·7	0·9	129	29	5·8	3·1	252	15	8·5	7·4	300	30	7·1	4·5	315
0·3 a.m.s.l. .	29	8·5	2·3	057	29	3·3	1·9	057	28	2·7	0·9	087	29	6·1	3·7	260	15	8·3	7·2	302	30	7·2	4·6	318
0·6 ,, .	28	3·4	2·3	078	29	3·1	0·8	076	28	2·8	0·9	068	29	8·6	6·7	279	15	7·9	7·1	298	30	6·8	5·3	318
0·9 ,, .	28	3·7	1·9	120	29	3·0	0·7	159	27	3·4	0·8	120	29	9·4	7·9	285	15	8·3	7·3	295	30	6·6	5·9	316
1·5 ,, .	25	6·0	3·3	191	28	4·8	2·6	233	26	5·2	2·2	216	26	10·8	10·6	294	11	9·6	9·5	293	30	8·3	7·4	312
2·1 ,, .	22	7·7	3·8	207	28	6·7	4·3	235	22	5·5	2·4	217	24	11·0	10·5	296	3	11·3	11·3	292	27	9·0	8·2	307
3·0 ,, .	18	8·4	3·5	230	28	6·8	3·3	232	11	6·5	2·2	248	18	12·1	11·8	304	1	9·0	9·0	293	23	12·1	10·9	306
3·6 ,, .	14	6·1	2·5	250	29	6·7	3·1	230	6	3·7	1·1	184	9	12·2	11·8	303					16	11·2	10·2	307
4·5 ,, .	7	6·3	4·0	266	29	6·8	2·7	240					7	11·6	11·4	303					9	10·4	8·5	308
5·4 ,, .	6	6·3	4·2	261	29	6·4	2·6	235					2	9·5	9·5	305					3	10·0	7·8	012
6·0 ,, .	5	5·6	4.7	242	29	6·3	2·3	229					1	7·0	7·0	284					1	7·0	7·0	315
7·2 ,, .	4	7·3	6·1	227	28	6·6	4·1	242					1	2·0	2·0	265								
9·0 ,, .	1	6·0	6·0	240	27	7·0	4·8	239					1	3·0	3.0	275								

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

Station	GAYA				GOPALPUR												GORAKHPUR							
Time in I.S.T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	2·8	0·8	132	30	2·1	2·1	222	30	4·5	4·3	219	30	3·0	3·0	220	30	1·0	0·6	077	30	1·4	0·3	308
0·15 a.g.	28	6·7	0·3	094	29	7·0	5·4	228	29	10·3	9·5	212	29	8·0	7·3	226	29	5·7	2·5	077	30	5·0	1·9	303
0·3 a.m.s.l.	28	6.7	0·3	124	29	5.7	3·9	250	29	8·8	7·8	225	29	7·5	5·0	235	29	6.3	2·6	095	30	5·5	2.2	300
0·6 ,,	28	6·7	0·8	286	28	5·8	4·6	276	29	6·0	4·8	247	29	6·0	5·4	253	29	7.0	1·4	150	30	5·9	2·8	286
0·9 ,,	28	5·9	2·3	296	26	7·0	6·7	290	27	5·8	4·2	272	29	5·6	5·0	268	29	7·0	1·9	252	30	6·6	3·9	273
1·5 ,,	28	6·7	5·9	293	25	7·6	6·8	300	27	6·3	5·3	312	26	5·2	4·4	294	28	8·9	7·6	294	29	7·0	5·9	275
2·1 ,,	24	8·7	8·3	299	22	6·0	5·1	309	24	6·0	4·8	327	23	4·3	3·7	307	24	10·0	9.2	294	27	9.7	9·1	285
3·0 ,,	13	10·7	10·1	300	14	5·6	3·7	307	17	5·5	3·8	338	13	4·0	2·4	308	18	13·0	11·7	302	17	13·9	13·5	291
3·6 ,,	4	11·8	11·6	307	13	5·8	3·0	302	14	5·0	2·5	330					11	12·6	12·1	300	13	15·2	13·9	298
4·5 ,,					8	7·0	4·1	310	5	4·8	3·6	282					7	11·3	10·7	298	4	11·3	11·1	299
5·4 ,,					2	5·0	3·7	012	4	5·0	4·7	286					5	8.8	7·1	302	1	9·0	9·0	290
6·0 ,,					1	9·0	3·0	298	2	7·0	7·0	310					3	8·3	6·6	307				
7·2 ,,					1	3·0	3·0	008									2	5.0	2·3	267				
9·0 ,,					1	1·0	1·0	348																

Station	GWALIOR																IMPHAL/TULIHAL							
Time in I.S.T.	0530				1130				1730				2330				0530				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	3·5	3·1	265	30	4·5	4·2	294	30	3·6	2·8	292	30	2·5	1·9	263	30	0·4	0·2	040	30	1·4	0·1	354
0·15 a.g.	30	10·2	9·5	271	30	7·9	7·4	293	30	7·3	5·9	290	30	7·1	5·7	269	23	1·9	1·3	072	26	2·5	0·5	336
0·3 a.m.s.l.	30	8·5	7·9	266	30	7·3	6·9	292	30	6·7	5·4	288	30	6·0	4·6	262								
0·6 ,,	30	12·3	12·0	283	30	8·5	8·2	295	30	7·2	6.3	291	30	8·8	7·6	280								
0·9 ,,	29	12·6	12·2	290	29	8·5	8·2	299	30	7·4	6·6	292	30	8·6	7·8	284	23	1·8	1·2	064	26	2·5	0·4	333
1·5 ,,	26	10·5	10·1	300	22	8·4	8·1	300	24	7·4	7·1	294	28	7·3	6·8	289	23	3·9	1·4	191	25	3·8	1·5	207
2·1 ,,	21	8·6	8·3	310	16	8·6	8·0	303	19	6·9	6·6	294	23	7·0	6·3	297	19	5·8	3·1	233	22	6·0	2·7	216
3·0 ,,	13	6·8	6·6	317	9	7·1	6·2	296	13	8·9	8·5	289	9	6·9	5·9	300	13	5·7	2·1	253	11	7·5	4·7	268
3·6 ,,	7	7·0	6·6	324	4	8·3	6·8	290	11	10·6	10·3	291	1	10·0	10·0	330	10	5·9	3·7	265	7	6·5	2·9	264
4·5 ,,	4	8·2	7·4	322	4	5·2	4·4	285	4	6·5	6·1	293					5	6·0	4·4	260	3	2·7	2·1	060
5·4 ,,	1	5·0	5·0	259	2	5·0	3·3	312	2	7·0	6·9	270					4	5·5	3·8	248	2	2·5	1·6	152
6·0 ,,	1	10·0	10·0	230	2	6·0	3·5	295	1	4·0	4·0	355					4	5·3	3·7	236	1	1·0	0·7	135
7·2 ,,	1	10·0	10·0	235	1	3·0	3·0	035	1	6·0	6.0	030					1	4·0	4·0	266	1	2·0	2·0	130
9·0 ,,									1	3.0	3.0	340					1	4·0	4·0	266	1	4·0	4·0	115

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

Station	IMPHAL/TULIHAL								JABALPUR												JAGDALPUR			
Time in I.S.T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	2·4	0·6	271	30	0·6	0·1	038	30	1·4	1·2	252	30	2·5	1·3	275	30	1·9	1·0	225	30	1·0	0·9	206
0·15 a.g.	26	4·0	0·8	238	27	2·3	0·4	044	29	7·3	6·6	260	30	8·3	5·4	281	28	8·4	6·1	243	26	6·0	5·2	234
0·3 a.m.s.l.																								
0·6 „									29	8·4	7·9	266	30	9·0	5·6	279	28	9·1	6·8	244	26	3·7	3·2	230
0·9 „	26	4·0	0·8	257	27	2·3	0·7	009	29	12·4	11·7	287	30	8·5	6·0	282	28	9·9	7·8	258	26	8·6	7·6	250
1·5 „	26	5·0	2·8	212	27	4·5	3·1	201	29	12·1	11·3	303	30	7·3	6·3	288	28	8·7	7·8	283	25	10·3	9·3	273
2·1 „	21	7·0	4·1	230	25	6·5	4·1	212	26	6·8	5·9	317	29	6·3	5·6	297	26	7·4	5·9	292	22	8·2	7·5	291
3·0 „	12	6·6	3·9	269	11	6·5	4·1	662	23	5·1	2·8	335	21	5·1	4·0	315	22	6·9	4·6	322	19	5·8	4·7	308
3·6 „	10	7·2	5·1	279	10	7·3	5·1	263	14	6·0	3·6	008	11	5·4	4·4	316	12	6·9	4·7	321	19	5·5	3·1	336
4·5 „	6	5.5	3·5	245	3	3·7	1·7	222	8	6·6	3·7	349	8	5·6	4·0	288	2	6·5	6·3	037	15	4·7	1·8	349
5·4 „	4	4.5	1.8	270	1	8·0	8·0	245	3	8·0	7·6	285	4	3.5	3.1	343	1	2·0	2·0	010	9	5·1	3·6	356
6·0 „	3	4.3	2.2	288					3	10·0	9.9	308	2	4·5	4·5	322					8	5·6	3·5	345
7·2 „	1	1.0	1.0	285					2	5·0	3·3	331	1	4·0	4·0	340					5	9·8	4·7	340
9·0 „	1	2.0	2.0	267																	3	14.0	7.6	286

Station	JAGDALPUR								JAIPUR/SANGANER												JAMSHEDPUR			
Time in I.S.T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	1·6	0·9	226	30	1·0	0·9	191	30	2·7	2·5	292	30	2·9	2·4	294	30	1·5	0·8	285	30	1·2	0·6	251
0·15 a.g.	27	4·7	3·4	241	29	6·1	5·3	225	30	10·6	10·0	273	29	6·7	5·1	284	30	10·2	7·6	278	28	4·5	3·7	249
0·3 a.m.s.l.																					28	4·6	4·1	244
0·6 „	27	3·4	2·2	242	29	4·3	3·5	215	30	12·1	11·5	274	29	6·8	5·7	286	30	11·1	8·6	279	28	8·2	7·2	256
0·9 „	27	4·8	3·9	262	29	6·6	5·8	244	30	14·7	14·5	280	29	7·3	6·7	284	30	11·7	9·7	283	27	9·8	9·0	271
1·5 „	26	5·5	4·7	286	29	7·2	6·5	273	28	11·5	11·2	281	29	7·7	6·7	290	29	10·0	9·2	285	25	8·9	7·8	292
2·1 „	23	6·5	5·7	300	28	6·0	5·2	290	24	8·9	7·7	281	25	7·2	6·6	287	23	10·1	9.0	289	24	9·1	5·2	333
3·0 „	17	6·2	5·0	316	21	4·2	2·7	305	17	6·4	4·5	302	20	7·1	6·2	285	10	8·7	7·0	269	12	8·9	8·0	318
3·6 „	14	5·5	4·4	319	12	4·8	2·6	312	14	6·4	4·3	322	16	6·9	5·8	290	1	10·0	10·0	217	7	9·9	9·2	318
4·5 „	10	7.9	7·1	320	2	3·5	3·3	296	9	7·0	3·7	347	14	6·6	4·5	311					2	11.5	11.3	317
5·4 „	6	8.0	7·0	321					7	4·4	2·0	285	13	8·5	5·9	313								
6·0 „	4	8.7	8.3	321					6	5·0	2·9	238	12	8·8	7·0	306								
7·2 „	3	9.0	6.6	343					4	10.2	9.8	246	7	8·1	5·8	283								
9·0 „	1	10.0	10.0	040					2	10.0	8.8	280	3	10·7	10·6	248								

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

Station	JAMSHEDPUR								JHARSUGUDA												JODHPUR			
Time in I.S.T.	1130				1730				0530				1730				2330				0530*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	15	2·5	1·0	303	30	2·6	1·0	278	30	2·9	1·9	232	30	3·4	2·1	243	30	2.7	1·5	212	30	5·2	5·1	243
0·15 a.g. .	15	3·4	2·1	283	25	4·6	2·7	270	30	6·4	4 7	247	29	6·5	4·9	250	27	7·5	5·5	243	29	8·6	8·4	247
0·3 a.m.s.l. .	15	3·5	2·6	277	25	5·0	2·8	274	30	5·7	4·0	245	29	5·8	4·0	247	27	6·3	4·3	230	29	8·7	8·5	247
0·6 ,, .	15	3·9	2·7	294	25	6·0	3·6	271	30	8·3	7·2	271	29	6·5	5·3	264	27	8·7	7·1	258	29	9·9	9·8	242
0·9 ,, .	15	5·0	3·9	301	23	6·0	4·2	285	30	10·6	9·2	280	29	7·0	5·7	276	27	8·8	7·5	269	29	10·8	10·6	235
1·5 ,, .	15	6·5	5·7	314	23	6·0	5·0	295	29	9·8	8·6	295	28	6·1	5·5	302	27	7·5	6·2	284	29	8·0	7·5	223
2·1 ,, .	13	8·3	6·5	312	20	8·3	7·4	303	27	7·6	6·5	309	26	6·1	5·9	319	22	7·4	6·2	305	29	5·0	2·5	228
3·0 ,, .	2	6·0	5·9	327	11	8·3	7·7	317	23	6·0	5·0	324	21	7·0	5·8	326	14	6·7	4·8	312	29	3·9	1·1	263
3·6 ,, .					3	10·0	8·4	323	21	7·1	4·9	333	19	7·0	6·1	337					29	4·6	1·7	001
4·5 ,, .					1	9·0	9·0	320	13	8·0	6·3	352	12	7·3	6·3	322					28	6·2	4·4	010
5·4 ,, .					1	5·0	5·0	320	6	6·0	5·1	344	11	7·9	6·7	312					29	6·6	5·0	013
6·0 ,, .					1	7·0	7·0	331	3	9·3	9·3	322	10	7·6	6·1	309					29	6·2	3·4	345
7·2 ,, .													5	7·8	5·1	323					29	8·2	5·7	288
9·0 ,, .													2	4·5	4 5	045					29	9·4	7·1	286

Station	JODHPUR												LUCKNOW/AMAUSI											
Time in I.S.T.	1130				1730*				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	5·7	5·3	228	30	5·2	5·0	238	30	4·0	3·6	220	30	1·6	0·5	225	30	4·4	3·2	305	30	1·8	0·4	188
0·15 a.g. .	30	9·7	9·3	228	30	6·7	6·4	243	30	11·2	10·7	225	30	8·0	4·0	282	30	7·2	5·7	308	30	9·4	3·7	283
0·3 a.m.s.l. .	30	9·3	9·0	227	30	6·8	6·5	243	30	9·2	8·5	220	30	8·4	4·8	284	30	7·3	5·8	306	30	9·6	3·5	286
0·6 ,, .	30	9·2	9·0	224	30	7·4	7·1	238	30	11·8	11.7	228	30	10·0	7·6	292	30	7·8	7·2	299	30	10·2	5·3	288
0 9 ,, .	30	9·2	9·6	225	30	7·6	7·5	233	30	11·8	11·7	232	30	11·5	9·7	295	25	8·1	7·7	300	30	9·9	7·6	290
1·5 ,, .	29	7·8	7·2	225	30	7·1	7·0	232	29	9·9	8·8	250	29	11·1	10·3	303	27	9·6	9·4	299	29	9·8	9·5	295
2·1 ,, .	28	6·2	4·3	230	30	5·1	4·6	233	25	7·1	5·2	243	28	11·9	11·6	304	24	10·1	9·9	296	24	10·7	10·3	286
3.0 ,, .	26	4·2	0·8	200	30	3·7	1·1	345	13	5·7	1·9	287	24	13·3	13·0	301	17	14·2	13·5	289	16	10·7	10·5	282
3·6 ,, .	26	4·3	1·9	065	30	4·3	2·1	347	3	9·0	8·5	337	20	14·3	13·6	300	14	15·1	13·9	290	1	9·0	9·0	295
4.5 ,, .	26	5·3	2·0	025	30	5·3	3·4	346	1	3·0	3·0	290	13	15·5	14·5	303	9	15·4	14·7	304				
5.4 ,, .	24	6·8	2·0	335	30	5·8	3·7	335					4	16·5	16·2	290	7	15.1	14.8	292				
6.0 ,, .	23	6·8	3·0	290	30	6·8	4·6	310					4	20·5	20·2	289	6	16·2	15·7	296				
7.2 ,, .	19	9·2	6·8	271	30	9·6	6 9	303					1	24·0	24·0	290	1	17·0	17·0	290				
9.0 ,, .	14	11·8	10·0	281	29	9·7	7·2	280					1	23·0	23·0	280								

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

Station	MADRAS/MINAMBAKKAM																MANGALORE/BAJPE							
Time in I.S.T.	0530*				1130				1730*				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	5·6	5·2	261	30	5·4	4·9	279	30	5·5	2·6	292	30	3·9	3·1	108	30	1·8	0·2	332	30	2·6	2·4	266
0·15 a.g. .	30	8·7	8·1	265	30	7·0	6·7	278	30	7·2	3·1	296	28	8·2	7·1	119	19	4·6	1·6	282	23	6·2	5·8	260
0·3 a. m. s.l..	30	10·0	9·5	270	30	7·7	7·5	275	30	6·9	2·8	214	28	9·1	8·2	233	19	4·7	3·0	246	23	6·5	6·1	260
0·6 „ .	30	11·3	11·0	278	30	8·5	8·2	277	30	6·4	3·8	260	28	10·0	9·0	250	19	6·9	6·6	259	22	7·8	7·5	271
0·9 „ .	30	11·3	10·9	284	30	9·1	8·8	282	30	6·3	5·5	287	28	10·5	9·6	262	18	8·1	7·7	268	17	8·6	8·2	278
1·5 „ .	30	11·0	10·4	297	30	9·8	9·4	288	30	8·0	7·5	284	27	10·0	9·3	273	13	8·6	8·0	268	11	7·8	7·7	281
2·1 „ .	30	8·1	7·6	297	30	8·9	8·0	287	30	8·5	8·1	284	27	8·8	8·2	277	9	7·7	6·3	263	6	6·2	5·3	272
3·0 „ .	30	7·2	5·9	282	30	7·5	6·3	278	30	9·5	8·7	284	20	6·3	4·1	275	8	8·3	4·5	259	4	5·7	3·6	204
3·6 „ .	30	6·8	5·1	281	26	7·3	6·0	271	29	8·1	7·3	286	8	4·9	0·3	324	3	7·3	2.6	201	3	7·0	4·7	196
4·5 „ .	30	5·9	3·9	273	24	6·2	4·8	269	29	7·3	5·8	286	3	3·3	3·0	102	2	5·5	2·5	276	1	6·0	6·0	150
5·4 „ .	30	5·0	2·6	275	18	4·0	2·5	272	29	5·3	4·0	292	1	1.0	1.0	020	1	3·0	3·0	180	1	1·0	1·0	080
6·0 „ .	30	4·4	2·3	286	16	3·9	2·9	283	29	4·4	3·1	290	1	2.0	2.0	340					1	2·0	2·0	075
7·2 „ .	30	3·8	1·4	304	10	4·0	1·5	297	29	3·8	1·1	305												
9·0 „ .	30	5·5	3·8	084	6	8·7	7·5	094	28	5·7	2·8	274												

Station	MANGALORE/BAJPE				MINICOY																NAGPUR/SONEGAON			
Time in I.S.T.	2330				0530				1130				1730*				2330				0530*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	20	1·3	0·5	258	30	5·2	5·0	268	30	5·0	4·8	268	30	6·6	6·4	267	30	5·2	5·1	271	30	2·7	2·5	271
0·15 a.g. .	25	5·1	3·4	252	29	8·6	8·4	275	30	7·8	7·5	274	30	9·2	8·8	272	29	8·8	8·2	276	30	6·3	5·5	278
0·3 a.m. s.l. .	25	5·4	3·8	253	29	9·5	9·3	275	30	8·5	8·2	273	30	9·3	9·0	273	29	9·0	8·8	275				
0·6 „ .	24	7·1	6·1	262	29	11·1	10·9	275	30	10·1	9·8	275	30	9·8	9·5	276	29	10·0	9·9	277	30	7·0	6·4	278
0·9 „ .	19	8·5	7·4	266	29	11·7	11·6	275	29	11·0	10·8	277	30	10·3	10·1	276	27	10·8	10·7	280	30	7·5	6·9	295
1·5 „ .	11	8·1	6·5	262	28	12·2	12·0	280	28	11·1	10·8	279	30	11·0	10·7	277	26	10·5	10·3	280	30	7·6	7·2	309
2·1 „ .	7	7·3	6·0	256	24	11·8	11·6	281	26	10·3	9·9	279	30	10·3	10·0	278	19	8·8	8·7	281	30	5·6	4·8	320
3·0 „ .	5	8·0	5·2	251	19	7·9	7·4	275	22	8·0	7·4	271	30	8·6	8·1	280	7	6·4	5·4	286	30	4·6	2·5	338
3·6 „ .	3	6·3	5·3	212	15	7·2	6·5	273	17	8·3	7·6	273	30	7·5	6·7	275	3	5·7	3·9	280	30	4·5	1·7	350
4·5 „ .	1	3·0	3·0	120	12	6.5	5·1	270	12	6·0	5 5	265	30	6·9	5·8	271	1	4·0	4·0	295	30	4·7	1·7	334
5·4 „ .					10	6·3	5·3	290	9	7·0	6·2	270	27	6·3	3·6	258					29	5·1	2·0	306
6·0 „ .					7	6·9	6·0	286	6	7·2	6·7	284	27	6·4	2.7	263					29	5·1	1·7	292
7·2 „ .					3	5·3	3.1	315	4	2·8	2 3	304	27	5·7	1·5	083					29	4·0	1·5	040
9·0 „ .									4	9·0	8·8	073	27	10·1	9·7	082					29	5·1	2·7	069

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

Station	NAGPUR/SONEGAON												NEW DELHI/SAFDARJUNG											
Time in I.S.T.	1130				1730*				2330				0530*				1130				1730*			
t. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	3·2	2·7	289	30	3·6	2·3	296	30	2·5	1·6	247	30	3·8	3·6	277	30	8·2	7·5	288	30	3·8	3·3	290
0·15 a.g. .	30	6·1	5·3	290	30	5·6	3·3	290	30	6·4	4·2	256	30	11·3	10·6	277	30	10·9	10·5	284	30	9·0	8·2	292
0·3 a.m.s.l. .													30	10·1	9·5	278	30	10·2	10·1	285	30	5·0	4·4	292
0·6 „ .	30	6·3	5·8	294	30	5·2	3·3	286	30	7·1	5·6	267	30	13·2	12·4	283	30	10·8	10·4	287	30	9·1	8·5	294
0·9 „ .	30	6·6	6·3	298	30	4·4	3·1	289	30	7·8	6·6	273	30	13·6	13·0	290	30	11·7	10·8	294	30	8·7	8·3	295
1·5 „ .	27	6·8	6·1	309	30	4·4	3·8	289	30	7·0	6·1	283	30	11·4	11·1	300	29	12·0	11·6	294	30	9·0	8·5	297
2·1 „ .	23	6·3	4·7	303	30	4·5	3·5	290	29	5·2	4·4	301	30	9·1	8·9	311	22	10·2	9·9	304	30	8·9	8·3	299
3·0 „ .	18	4·9	2·8	283	30	5·4	3·2	287	24	4·7	2·3	319	30	8·3	7·9	307	15	9·5	9·1	295	30	8·3	7·9	304
3·6 „ .	13	5·5	2·8	260	35	5·0	2·7	298	16	4·4	1·5	325	30	8·4	7·8	310	13	9·3	8·8	303	30	8·8	8·0	315
4·5 „ .	9	4·1	1·8	240	30	5·5	2·9	299	5	2·6	2·4	002	30	6·8	6·2	320	12	9·3	8·4	306	30	9·0	8·2	319
5·4 „ .	5	6·8	5·5	307	30	5·3	3·7	298	1	1·0	1·0	241	30	6·8	5·4	308	11	9·7	8·6	297	30	9·8	7·9	310
6·0 „ .	5	5·4	4·2	325	29	4·9	2·8	295	1	3·0	3·0	030	30	8·1	7·0	291	10	11·1	9·5	295	30	10·7	9·0	300
7·2 „ .	5	3·6	2·6	015	29	5·0	2·5	299					30	12·6	11·5	283	9	14·8	13·0	290	29	12·6	11·5	285
9·0 „ .	2	4·5	0·7	068	29	4·4	0·8	290					30	15·8	14·2	277	1	19·0	19·0	280	29	16·0	14·5	276

Station	NEW DELHI/ SAFDARJUNG				POONA												PORT BLAIR							
Time in I.S.T.	2330				0530				1730				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	4·2	3·9	274	30	1·2	1·2	270	30	5·1	5·1	271	30	2·8	2·3	270	30	8·2	7·7	228	30	7·7	7·5	226
0·15 a.g. .	30	10·7	10·3	274	30	6·8	6·8	263	30	8·5	7·5	264	29	6·3	6·2	255	28	11·1	10·5	232	30	11·5	11·2	232
0.3 a.m.s.l.	30	8·6	8·1	268													28	11·2	10·6	233	30	12·0	11·7	230
0·6 „ .	30	11·7	11·1	282	30	3·1	3·0	269	30	5·7	5·2	269	29	3·7	3·4	263	28	14·0	12·6	238	28	13·1	12·8	235
0·9 „ .	30	12·1	11·8	286	30	8·1	8·0	264	30	9·3	8·5	269	29	8·0	7·9	255	29	15·0	13·7	241	20	12·1	11·6	235
1·5 „ .	26	11·7	10·2	295	26	10·1	9·5	270	30	9·8	9·5	271	27	11·2	10·8	263	28	13·5	12·9	247	9	10·8	10·1	239
2·1 „ .	13	8·5	8·0	293	21	6·9	5·8	271	22	7·7	7·5	271	22	8·5	7·7	257	28	11·4	10·7	248	3	9·0	8·4	242
3·0 „ .	7	9·0	8·1	307	13	4·8	2·7	196	11	6·4	4·9	248	16	4·6	3·5	221	28	9·9	9·4	258	1	4·0	4·0	280
3·6 „ .					11	5·3	3·3	199	11	4·7	3·4	233	15	5·3	3·5	213	28	9·1	8·0	263				
4·5 „ .					7	6·3	4·9	204	7	5·9	3·7	189	7	3·9	1·7	203	28	8.4	7.6	257				
5·4 „ .					3	8·0	5·0	200	4	4·7	2·5	313	1	5·0	5·0	065	26	7.3	6.7	243				
6·0 „ .					2	3·5	3·3	025	3	5·3	2·7	331					26	7.2	6.2	242				
7·2 „ .									3	6.0	1.5	358					25	5.5	3.6	223				
9·0 „ .									1	3.0	3.0	050					24	9.7	7.3	277				

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

Station	PORT BLAIR								RAIPUR												RAXAUL			
Time in I.S.T.	1730*				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	7·9	7·6	225	30	5·9	5·7	230	30	3·0	2·5	239	30	3·3	2·3	250	30	3·3	2·0	247	30	2·8	1·9	081
0·15 a.g. .	29	11·0	10·9	231	30	9·9	9·6	236	30	9·5	8·6	244	30	7·8	6·1	247	29	9·7	8·5	248	28	7·8	6·2	089
0·3 a.m.s.l. .	29	11·1	10·9	231	30	10·7	10·4	236													28	8·4	6·8	092
0·6 ,, .	28	13·3	13·1	236	29	13·5	12·8	240	30	11·5	10.5	259	30	8.0	6.8	255	29	10.3	9.3	252	28	9·6	7·3	105
0·9 ,, .	28	15·1	14·7	242	25	14·4	14·0	248	30	11.5	10·4	277	30	7.7	7.0	262	28	9·6	9.0	259	28	7·9	5·3	124
1·5 ,, .	27	13·0	12·4	252	10	11·1	10·8	255	29	9·0	8·1	295	30	7.0	6·3	283	27	6·4	5.5	276	25	5·4	2·0	190
2·1 ,, .	27	10·8	10·3	258	7	7·9	7·5	259	28	7·0	5·6	308	28	5·9	5·0	296	27	5·4	3·3	297	18	6·8	4·4	265
3·0 ,, .	29	9·4	8·5	259	5	3·6	3·0	251	27	5·3	3·2	333	24	5·3	3·3	312	23	4·6	1·7	342	8	9·7	8·7	296
3·6 ,, .	29	8·1	7·1	259					24	5·6	3·0	356	16	5·7	2·2	342	15	5·0	2·4	359	6	12·2	11·5	304
4·5 ,, .	29	8·1	6·5	258					20	5·3	2·6	343	9	6·4	4·4	304	3	3·0	3·0	033	4	6·7	6·5	307
5·4 ,, .	29	7·4	6·4	248					9	5.4	3.5	310	5	4·2	3·2	302	1	1·0	1·0	342	2	6·5	3·5	311
6·0 ,, .	28	7·0	5·7	243					6	7.1	4.2	355	4	5·5	5·1	306					1	1·0	1·0	208
7·2 ,, .	27	6·0	3·5	246					4	6.3	3·3	329	3	5·0	2·3	325					1	1·0	1·0	102
9·0 ,, .	27	8.1	4.7	095					1	7.0	7.0	060												

Station	RAXAUL				SRINAGAR								TIRUCHCHIRAPPALLI											
Time in I.S.T.	1730				0530*				1730*				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	3·0	1·4	083	24	0·9	0·9	140	25	0·8	0·1	49	30	6·3	6·3	269	30	8·0	7·6	268	30	7·8	7·5	267
0·15 a.g. .	30	6·0	3·1	079	24	2·0	1·7	143	25	2·0	0·7	138	30	10·4	10·5	271	30	10·8	9·9	270	29	10·9	9·7	268
0·3 a.m.s.l. .	30	6·0	3·1	083									30	11·3	11.2	271	30	10·4	9·8	270	29	11·2	10·1	267
0·6 ,, .	30	5·2	2·5	097									30	15·0	14·8	273	30	10·1	9·8	271	29	12·6	12·1	268
0·9 ,, .	30	4·3	1·0	130									30	15·5	15·2	275	30	10·4	10·2	273	29	12·0	11·7	272
1·5 ,, .	30	5·3	3·1	255									30	13·0	12·5	273	30	9.3	9·1	270	29	9·3	8·9	278
2·1 ,, .	28	6·6	5·3	267	24	1·9	1·4	132	25	2·3	1·3	145	30	10·1	9·4	274	30	9·4	8·9	270	29	7·4	6·8	284
3·0 ,, .	19	10·0	9·7	282	24	2·1	0·4	123	25	2·4	0·5	165	28	8·0	6·2	279	26	8·7	7·7	276	27	6·6	5·0	283
3·6 ,, .	17	8·7	7·4	292	24	2·5	0·5	048	25	2·9	1·7	276	23	8·1	6·1	279	19	8·3	5·6	278	19	7·6	6·5	280
4·5 ,, .	12	6·6	6·1	297	24	3·0	1·2	313	25	3·8	2·6	286	17	7.6	5.8	275	11	9·3	7·4	279	8	4·9	4·0	272
5·4 ,, .	7	4·1	3·8	288	24	4·8	2·5	306	24	5·3	3·9	293	12	7.1	5.1	281	8	10·1	7·3	275	1	6·0	6·0	270
6·0 ,, .	5	3·6	2·2	295	23	6·3	4·2	307	24	5·8	4·7	295	7	4.0	1.3	260	6	6·5	2·9	271	1	7.0	7.0	295
7·2 ,, .	4	3·0	0·6	231	23	9·5	7·5	297	23	8.9	7.3	271	3	5.7	5.0	097	2	3·5	0·7	087				
9·0 ,, .	1	3·0	3·0	310	22	21·3	20·2	280	23	18·4	16·5	279	3	7.3	7.2	096								

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

Station	TRIVANDRUM																UDAIPUR							
Time in I.S.T.	0530*				1130				1730*				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	2·0	1·7	318	30	3·2	2·9	316	30	4·6	4·2	304	30	2·4	2·0	321	30	0·6	0·6	240	30	2·0	2·0	228
0·15 a.g.	30	7·7	7·2	318	27	6·1	5·7	306	30	8·8	8·4	300	28	6·7	6·3	305	30	4·5	3·9	268	30	5·7	3·2	152
0·3 a.m.s.l.	30	7·9	7·4	312	27	7·1	6·7	304	30	8·9	8·6	302	28	7·7	7·2	305								
0·6 "	30	9·5	9·1	300	27	8·7	8·2	305	30	10·8	10·7	300	28	9·7	9·4	299								
0·9 "	30	11·0	10·7	294	21	11·8	11·3	304	30	12·4	12·2	297	26	11·1	10·7	297	30	6·0	3·9	268	30	6·3	5·5	265
1·5 "	30	12·4	12·0	293	12	14·0	13·0	300	30	12·2	11·6	294	21	11·6	11·1	300	30	6·8	5·4	267	30	5·8	5·3	268
2·1 "	30	12·9	12·2	288	5	12·0	10·1	270	30	11·9	11·5	290	12	10·7	10·6	287	30	5·1	2·9	216	30	4·8	4·2	268
3·0 "	29	11·2	9·2	281	1	11·0	11·0	295	30	11·7	9·8	287	3	8·7	8·6	299	29	4·6	1·4	236	30	3·9	1·8	292
3·6 "	29	10·1	7·5	279	1	12·0	12·0	245	30	11·0	8·5	286					29	5·4	0·4	223	29	5·2	1·7	308
4·5 "	29	7·4	5·2	281					30	8·3	6·3	271					29	5·3	0·9	310	29	5·7	2·4	298
5·4 "	29	5·8	3·7	283					30	6·8	4·9	282					29	6·7	1·2	273	27	6·4	2·6	316
6·0 "	29	4·6	1·9	310					30	5·1	2·8	289					29	6·9	1·4	292	26	7·2	3·2	294
7·2 "	28	6·2	1·7	046					30	5·1	1·5	077					28	8·4	4·3	276	21	8·5	4·8	286
9·0 "	27	8·7	7·8	071					30	9·1	7·6	085					24	8·3	3·9	277	14	9·0	4·9	300

Station	UDAIPUR				VENGURLA												VERAVAL							
Time in I.S.T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	1·3	1·2	230	30	1·6	0·7	252	30	2·3	2·1	259	30	1·6	1·2	253	30	6·7	6·2	254	30	7·0	6·3	248
0·15 a.g.	30	6·1	0·6	244	27	4·8	2·8	240	25	5·3	4·7	254	25	4·5	3·7	250	30	7·6	7·4	251	30	7·9	7·7	247
0·3 a.m.s.l.					27	5·2	4·0	255	25	5·8	5·4	259	25	5·2	4·6	254	30	8·4	8·2	254	30	8·5	8·4	251
0·6 "					27	7·1	6·2	266	24	7·9	7·3	266	24	7·4	7·0	260	30	9·2	9·1	256	30	8·7	8·6	258
0·9 "	30	7·0	0·7	248	17	8·1	7·3	269	18	8·8	8·1	272	18	7·7	7·4	265	29	9·5	9·4	257	30	9·4	9·3	261
1·5 "	30	8·1	0·8	255	13	8·5	7·9	275	11	7·5	5·4	267	11	6·7	5·9	267	28	9·1	8·6	251	27	8·3	8·1	262
2·1 "	29	5·3	0·5	255	6	5·5	2·8	265	9	8·0	5·2	260	7	7·0	5·0	243	24	5·9	4·7	250	26	6·3	5·2	272
3·0 "	28	4·6	0·6	242	2	5·0	4·7	140	4	7·0	5·0	191	3	5·7	3·9	252	16	5·1	1·7	298	25	5·5	2·8	310
3·6 "	19	4·3	1·4	055	1	4·0	4·0	124	3	7·0	5·8	180	1	5·0	5·0	180	4	3·5	0·7	320	23	5·2	2·7	349
4·5 "	6	4·3	0·9	078					2	8·0	7·7	178					3	2·3	0·9	248	22	5·3	2·6	348
5·4 "	3	3·7	2·3	262					1	4·0	3·9	225					3	4·0	2·6	264	24	5·3	1·5	314
6·0 "									1	3·0	3·0	260					1	3·0	3·0	166	22	6·1	0·6	320
7·2 "																					18	6·7	2·0	025
9·0 "																					16	6·0	3·4	082

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 Km. above mean sea level

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

Station	VERAVAL				VIJAYWADA/GANNAVARAM												VISHAKHAPATNAM							
Time in I.S.T.	2330				0530				1730				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	6·9	6·4	248	30	3·5	3·2	273	30	5·0	4·1	281	30	2·6	1·9	239	30	3·8	3·2	282	30	3·9	3·2	227
0·15 a.g. .	30	8·0	7·9	249	27	8·4	8·0	275	29	7·3	6·4	281	30	7·6	6·1	248	30	7·2	6·5	289	29	5.9	5.3	229
0·3 a.m.s.l. .	30	8·5	8·4	252	27	10·2	9·9	281	29	7·5	6·7	282	30	8·6	7·6	255	30	7·8	7·1	283	29	6·3	5·5	242
0·6 ,, .	30	9·4	9·2	255	27	13·6	13·3	286	29	8·4	7·8	281	30	9·9	9·4	261	30	9·2	8·4	274	29	6·1	5·7	271
0·9 ,, .	29	9·2	9·1	257	27	15·3	14·9	292	29	8·6	8·3	284	29	9·8	9·4	266	29	9·1	7·0	276	29	6·2	5·7	290
1·5 ,, .	27	8·0	7·8	249	27	12·3	11·9	300	27	8·5	8·2	290	29	8·5	8·1	277	28	8·0	7·1	288	28	6·8	6·2	300
2·1 ,, .	22	5·8	4·1	238	27	7·6	7·2	295	25	8·6	8·1	293	28	7·1	6·4	283	28	6·8	5·9	296	27	5·9	4·9	305
3·0 ,, .	18	4·2	1·3	234	23	4·6	3·4	296	24	7·5	6·6	293	26	5·6	3·9	297	28	6·3	3·7	309	23	5·2	3·8	297
3·6 ,, .	9	3·5	2·2	203	15	3.8	2.5	309	21	6·8	6·2	300	18	5·4	3·0	306	28	6·7	3·6	318	17	5·9	4·1	304
4·5 ,, .	5	4·0	1·0	123	10	4.6	2.3	333	17	5·3	4·5	299	14	4·6	2·9	305	28	6·1	3·3	341	15	5·6	2·5	294
5·4 ,, .	2	5·5	4·3	091	7	4.0	1.7	258	13	6·1	3·5	314	1	3·0	3·0	325	28	6·3	3·8	337	9	5·8	3·5	281
6·0 ,, .	1	7·0	7·0	065	6	5.3	2.7	266	11	4·7	3·3	296					28	6·1	3·1	344	9	6·4	5·5	289
7·2 ,, .					5	3·8	3·1	250	8	5·5	2·9	342					28	5·7	3·3	018	3	5.0	3.5	321
9.0 ,, .					2	6·0	6·0	098	4	7·0	6·6	060					28	6·8	3·5	050	1	3.0	3.0	020

Station	VISHAKHAPATNAM							
Time in I.S.T.	1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D
Surface . .	30	3·4	2·9	183	30	3·4	2·9	252
0·15 a.g. .	30	5·1	4·2	272	29	6·1	5·4	255
0·3 a.m.s. l.	30	5·4	4·7	265	29	6·6	5·8	254
0·6 ,, .	30	5·9	5·0	260	29	6·9	5·7	260
0·9 ,, .	30	6·0	5·1	274	29	6·2	5·4	270
1·5 ,, .	30	5·7	5·0	298	26	5·6	5·0	284
2·1 ,, .	30	4·5	3·7	305	19	5·1	4·3	288
3·0 ,, .	30	4·8	4·0	305	17	5·5	4·4	295
3·6 ,, .	30	5·9	4·5	309	7	5·3	4·9	334
4·5 ,, .	30	6·4	4·7	304				
5·4 ,, .	30	7·1	5·5	297				
6·0 ,, .	30	7·0	4·8	308				
7·2 ,, .	30	5·6	3·1	341				
9·0 ,, .	30	6·0	3·9	048				

TABLE V—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds above 9·0 Km. above mean sea level

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

AGARTALA

0530 hr.

Ht. in Km.	n	V	v	D
10·5	1	3·0	3·0	047
12·0	1	4·0	4·0	151
14·1	1	3·0	3·0	133
16·2	1	5·0	5·0	100
18·0	1	3·0	3·0	098
21·0	1	3·0	3·0	104

1730 hr.

Ht. in Km.	n	V	v	D
10·5	1	1·0	1·0	162
12·0	1	2·0	2·0	222
14·1	1	3·0	3.0	116
16·2	1	7·0	7·0	095
18·0	1	8·0	8·0	125

AHMADABAD

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	30	7·0	1·0	042
12·0	28	8·3	1·7	080
14·1	19	8·6	3·9	140
16·2	13	11·3	10·2	111
18·0	10	13·5	12·7	117
21·0	5	16·0	15·6	106
24·0	4	22·0	21·9	112
27·0	2	17·5	16·2	104

1130 hr.

Ht. in Km.	n	V	v	D
10·5	3	5·3	3·9	304
12·0	3	4·3	0·8	128
14·1	1	3·0	3·0	091
16·2	1	9·0	9·0	110
18·0	1	13·0	13·0	105

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	30	7·5	1·2	069
12·0	30	7·5	3·4	118
14·1	26	11·7	7·8	127
16·2	20	14·7	12·2	121
18·0	12	14·0	13·5	117
21·0	4	11·5	11·5	093
24·0	1	20·0	20·0	104

ALLAHABAD/BAMHRAULI

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	27	8·3	6·9	270
12·0	25	7.8	4·5	250
14.1	13	9·4	3·1	226
16.2	2	8·5	8·3	074

1130 hr.

Ht. in Km.	n	V	v	D
10·5	5	4·2	1·1	128
12·0	4	5·5	3·3	124
14·1	2	5·5	5·3	098

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	27	8·5	4·4	254
12·0	27	7·9	4·1	239
14·1	17	8·2	2·1	194
16·2	4	7·7	2·3	138

AMBALA

0530 hr.

Ht. in Km.	n	V	v	D
10·5	2	20·5	20·5	267
12·0	2	23·0	22·2	254
14·1	1	16·0	16·0	252

1730 hr.

Ht. in Km.	n	V	v	D
10·5	1	17·0	17·0	305

ANANTAPUR

0530 hr.

Ht. in Km.	n	V	v	D
10·5	1	4·0	4·0	157

BANGALORE

0530 hr. @

Ht. in Km.	n	V	v	D
10.5	3	10·0	9·3	071
12·0	2	19·0	18·6	091
14·1	2	17·0	16·9	100
16·2	1	10·0	10·0	120

1130 hr.

Ht. in Km.	n	V	v	D
10·5	1	3·0	3·0	035

1730 hr.@

Ht. in Km.	n	V	v	D
10·5	4	7·5	7·5	080
12·0	3	15·3	15·3	104
14·1	1	29·0	29·0	115
16·2	1	26·0	26·0	085
18·0	1	21·0	21·0	095

BEGAMPET

0530 hr.

Ht. in Km.	n	V	v	D
10·5	1	6·0	6·0	033

BHOPAL/BAIRAGARH

1730 hr.

Ht. in Km.	n	V	v	D
10·5	1	6·0	6·0	080
12·0	1	12·0	12·0	100
14·1	1	22·0	22·0	090

BIKANER

0530 hr.

Ht. in Km.	n	V	v	D
10·5	1	10·0	10·0	235
12·0	1	5·0	5·0	190
14·1	1	11·0	11·0	360

1730 hr.

Ht. in Km.	n	V	v	D
10·5	1	35·0	35·0	263

BOMBAY/SANTACRUZ

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	30	7·9	6·6	070
12·0	30	12·4	11·7	086
14·1	25	18·4	17·2	093
16.2	20	20·4	19·6	086
18·0	7	17·0	16·2	087
21·0	1	12·0	12·0	070

1130 hr.

Ht. in Km.	n	V	v	D
10·5	2	5·0	4·6	088
12·0	2	11·5	11·5	087
14·1	1	18·0	18·0	090
16·2	1	18·0	18·0	100
18·0	1	14·0	14·0	075

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	30	9·7	7·8	084
12·0	29	13·8	13·0	083
14·1	25	18·3	17·5	087
16·2	17	23·8	21·5	086
18·0	4	23·2	22·2	075
21.0	1	24·0	24·0	088

CALCUTTA/DUMDUM

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	26	6·0	3·7	128
12·0	24	7·5	6·2	115
14·1	22	11·8	11·1	091
16·2	19	12·9	12·1	086
18·0	14	11·3	10·4	084
21·0	4	11·0	10·0	066

1130 hr.

Ht. in Km.	n	V	v	D
10.5	2	12·0	5·9	317

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	29	5·7	1·4	137
12·0	28	6·9	5·0	102
14·1	24	9·9	8·4	088
16·2	22	12·8	11·8	076
18·0	14	14·9	13·7	097
21·0	3	8·3	8·2	121

GADAG

0530 hr.

Ht. in Km.	n	V	v	D
10·5	3	11·7	11·4	069
12·0	3	12·3	12·3	084
14·1	2	23·5	23·3	119
16·2	2	23·5	23·4	101
18·0	1	11·0	11·0	080
21·0	1	6·0	6·0	090

1730 hr.

Ht. in Km.	n	V	v	D
10·5	4	6·5	6·3	060
12·0	4	11·0	10·0	099
14·1	2	20·5	20·0	105

GANGTOK

0830 hr.

Ht. in Km.	n	V	v	D
10·5	1	9·0	9·0	280
12·0	1	15·0	15·0	275
14·1	1	8·0	8·0	280
16·2	1	8·0	8·0	305

GAUHATI

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	26	6·2	4·5	228
12·0	26	6·9	4·6	241
14·1	22	6·0	1·4	263
16·2	13	5·7	3·0	021
18·0	7	6·7	5·7	075
21·0	1	10·0	10·0	225

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	26	6·0	4·1	261
12·0	24	6·5	4·2	265
14.1	21	5·8	2·5	267
16·2	17	5·5	1·6	050
18·0	8	7·6	5·3	094
21·0	2	10·0	10·0	090
24·0	1	7·0	7·0	080

IMPHAL/TULIHAL

1130 hr.

Ht. in Km.	n	V	v	D
10·5	1	1·0	1·0	315
12·0	1	1·0	1·0	273
14·1	1	4·0	4·0	284

JAGDALPUR

0530 hr.

Ht. in Km.	n	V	v	D
10·5	2	10·5	2·5	086

JAIPUR/SANGANER

1730 hr.

Ht. in Km.	n	V	v	D
10·5	2	11·5	11·1	257
12·0	2	7·0	7·0	262

JODHPUR

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	28	9·3	7·0	277
12.0	27	8·5	6·9	267
14·1	24	8·4	5·9	232
16·2	22	6·9	2·2	175
18·0	15	6·9	4·7	088
21·0	6	8·2	6·2	110
24·0	4	14·3	14·0	081

1130 hr.

Ht. in Km.	n	V	v	D
10·5	8	13·4	10·2	262
12·0	3	15·0	14·0	250

1730 hr.*

Ht. in Km.	n	V	v	D
10.5	29	10·1	7·6	276
12·0	29	9·1	6·0	263
14·1	26	8·0	4·4	242
16·2	23	6·7	0·7	205
18·0	15	8.0	6·1	110
21·0	5	11·6	9·2	080

MADRAS/MINAMBAKKAM

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	29	18·8	10·8	081
10·2	27	19·2	18·6	087
14·1	23	29·4	28·9	088
16·2	11	21·5	21·1	093
18·0	6	14·5	14·0	091
21·0	2	16·0	16·0	105

Table V—Monthly Mean Directions and Velocities of Upper Winds

Winds above 9·0 Km. above mean sea level

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

Ht. in Km.	n	V	v	D
	MADRAS/MINAMBAKKAM			
	1130 hr.			
10·5	4	15·3	15·0	083
12·0	3	23·3	23·0	080
14·1	3	34·0	34·0	086
16·2	1	39·0	39·0	085
18·0	1	31·0	31·0	100
	1730 hr.*			
10·5	28	11·6	10·9	095
12·0	27	20·2	19·6	092
14·1	23	28·9	28·6	089
16·2	13	22·8	22·7	094
18·0	8	14·4	14·3	098
21·0	1	15·0	15·0	100
	MINICOY			
	1130 hr.			
10·5	3	15·0	14·6	089
12·0	1	37·0	37·0	095
14·1	1	45·0	45·0	075
	1730 hr.*			
10·5	27	14·7	13·5	084
12·0	26	23·7	22·6	081
14·1	23	33·9	33·6	081
16·2	19	27·0	26·3	088
18·0	7	20·1	17·9	086
21·0	2	11·0	11·0	097
	NAGPUR/SONEGAON			
	0530 hr.*			
10·5	28	5·0	2·5	075
12·0	28	7·2	4·9	078
14·1	16	11·3	9·2	103
16·2	10	14·3	12·9	105
18·0	2	14·0	12·1	112
	1130 hr.			
10·5	2	7·5	0.6	143
12·0	1	9·0	9·0	120
	1730 hr.*			
10·5	29	5.9	0·7	084
12·0	26	6·2	2·5	074
14·1	16	8·7	5·0	105
16·2	9	16·1	14·4	102
18·0	4	18·5	18·3	097

Ht. in Km.	n	V	v	D
	NEW DELHI/SAFDARJUNG			
	0530 hr.*			
10·5	30	15·6	14.5	272
12·0	30	15·1	14·2	263
14·1	28	14·7	13·9	257
16·2	28	7·5	5·0	252
18·0	24	5·8	3·8	083
21·0	15	11·7	11·5	088
24·0	6	17·5	17·2	091
27·0	3	16·7	16·5	092
	1730 hr.*			
10·5	29	15·5	14·6	273
12·0	29	14·9	13·7	272
14·1	28	13·9	11·6	264
16·2	27	7·3	6·0	250
18·0	24	6·2	2·4	144
21·0	17	11·4	11·0	093
24·0	8	14·0	13·5	094
27·0	2	17·5	17·1	079
	PORT BLAIR			
	0530 hr.*			
10·5	24	16·3	14·9	068
12·0	23	23·3	23·1	065
14·1	16	29·3	29·3	065
16·2	8	36·9	36·6	087
18·0	6	25·5	24·2	086
	1730 hr.*			
10·5	27	14·7	13·7	067
12·0	27	22·2	21·1	062
14·1	18	31·2	30·4	072
16·2	10	36·3	36·1	080
	SRINAGAR			
	0530 hr.*			
10·5	22	27·4	26·7	274
12·0	20	28·9	28·3	270
14·1	12	26·7	26·1	267
16·2	3	16·7	16·0	265
	1730 hr.*			
10·5	19	25·4	24·3	275
12·0	17	27·4	26·7	272
14·1	2	28·6	27·7	268
10·5	1	15·0	15.0	270

Ht. in Km.	n	V	v	D
	TIRUCHCHIRAPPALLI			
	0530 hr.			
10·5	1	13·0	13·0	075
	TRIVANDRUM			
	0530 hr.*			
10·5	27	15·2	13·7	089
12·0	27	23·8	22·8	089
14·1	25	34·2	33·7	084
16·2	19	21·6	20·2	091
18·0	7	14·7	13·7	083
21·0	2	14·5	14·3	077
24·0	1	14·0	14·0	10
	1730 hr.*			
10·5	30	15·9	14·9	091
12·0	30	26·2	25·4	083
14·1	29	34·7	34·0	090
16·2	22	23·4	20·7	090
18·0	14	13·8	11·1	089
21·0	3	17·7	17·2	089
	UDAIPUR			
	0530 hr.			
10·5	17	8·4	4·3	274
12·0	7	6·7	3·9	240
14·1	4	5·0	1·7	233
16·2	3	10·7	9·8	132
18·0	2	13·0	10·9	093
21·0	1	15·0	15·0	255
	1730 hr.			
10·5	5	6·2	4·7	282
12·0	2	10·0	9·1	266
14·1	1	14·0	14·0	235
	VERAVAL			
	1730 hr.			
10·5	9	7·3	3·9	091
12·0	6	7·9	3·0	092
14·1	1	7·0	7·0	090
16·2	1	16·0	16·0	095
18·0	1	15·0	15·0	095
	VIJAYWADA/GANNAVARAM			
	0530 hr.			
10·5	1	10·0	10·0	105
12·0	1	17·0	17·0	095

Ht. in Km.	n	V	v	D
	1730 hr.			
10·5	2	9·0	8·9	076
12·0	2	21·0	20·7	111
	VISHAKHAPATNAM			
	0530 hr.*			
10·5	27	9·4	5·3	058
12·0	26	14·7	9·7	072
14·1	13	23·0	18·9	085
16·2	3	20·3	19·8	085
18·0	1	19·0	19·0	085
	1130 hr.			
10·5	1	3·0	3·0	080
12·0	1	15·0	15·0	120
	1730 hr.*			
10·5	30	7·9	6·2	067
12·0	30	12·6	10·1	090
14·1	17	20·0	15·4	086
16·2	5	25·2	24·6	102
18·0	1	35·0	35·0	120

RADIOSONDE DATA

During the month, observations of upper air temperature, pressure and humidity were made at 15 stations in India as given in the list below. For detailed description of the instruments used, a reference may be made to the I. M. D. Scientific Notes Nos. 112 and 113 (Volume IX).

LIST OF RADIOSONDE STATIONS IN INDIA

S. No.	Name of Station	Type of instrument used	Date of starting	Hours of routine observations in GMT during the month	Remarks
1	Ahmadabad	Fan type	20th July 1961	00 and 12	
2	Allahabad/Bamhrauli	Clock type	1st October 1944	00 and 12	
3	Bangalore	Fan type	10th March 1961	00 and 12	
4	Bombay/Santa Cruz	Clock type	7th September 1954	00 and 12	
5	Calcutta/Dum Dum	Clock type	13th December 1946	00 and 12	Fan type used from 13-12-46 to 30-11-47.
6	Gauhati	Clock type	22nd July 1955	00 and 12	
7	Jodhpur	Clock type	17th April 1946	00 and 12	
8	Madras/Minambakkam	Fan type	29th June 1946	00 and 12	
9	Minicoy	Fan type	12th May 1963	12	
10	Nagpur/Sonegaon	Fan type	1st October 1946	00 and 12	
11	New Delhi/Safdarjung	Clock type	3rd December 1943	00 and 12	
12	Port Blair	Fan type	4th December 1949	00 and 12	
13	Srinagar	Clock type	1st August 1962	00 and 12	
14	Trivandrum	Fan type	1st July 1947	00 and 12	
15	Vishakhapatnam	Fan type	8th December 1946	00 and 12	

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(A) From Ascents at 00 Hours GMT.

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

Standard Pressure Surface mb.	AHMADABAD Surf.Pr. (997mb)						ALLAHABAD/BAMHRAULI (986 mb)						BANGALORE (908 mb)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	30	055	301·4	302	300	295·7	30	098	304·2	308	299	292·5	30	921	293·4	296	292	292·0
1000	30	024	..	..	..	..	30	030	..	..	..	..	30	084	..	..	..	..
900	30	951	296·0	299	292	290·3	30	915	302·8	307	299	287·1	30	997	293·0	297	291	291·7
850	30	1447	293·7	298	291	285·9	30	1421	299·3	303	295	285·2	30	1489	291·0	294	289	288·7
800	30	1970	292·0	297	288	282·0	30	1951	295·2	300	291	283·1	30	2007	289·3	293	287	285·2
700	30	3104	285·8	290	283	272·5	30	3092	285·6	289	282	278·0	30	3132	283·7	287	281	278·4
600	30	4379	277·2	281	274	265·3	30	4364	276·0	279	273	269·4	30	4401	276·7	281	273	272·5
500	30	5841	270·5	274	267	261.0	30	5820	268·9	273	264	..	30	5862	269·1	273	265	..
400	30	7585	261·8	265	257	..	30	7554	261·8	266	258	..	30	7589	258·6	261	253	..
300	30	9733	247·3	254	244	..	30	9712	247·9	253	243	..	30	9712	244·0	247	238	..
250	29	11026	238·0	243	235	..	29	11014	238·9	245	233	..	30	10992	234·8	239	229	..
200	28	12543	227·4	236	223	..	28	12536	227·1	234	223	..	30	12494	223·8	229	219	..
175	28	13420	220·2	226	216	..	28	13434	221·3	229	217	..	29	13357	217·8	222	211	..
150	28	14400	213·9	220	209	..	25	14388	214·0	221	209	..	28	14329	211·5	218	206	..
125	28	15531	206·4	215	200	..	22	15497	206·7	217	201	..	23	15430	205·0	209	200	..
100	28	16863	199·6	209	193	..	19	16861	200·5	209	193	..	22	16753	200·5	205	196	..
80	24	18159	197·9	208	192	..	11	18131	199·6	206	194	..	20	18097	204·3	211	199	..
70	20	18971	201·9	213	193	..	10	18969	203·6	208	199	..	18	18904	207·5	214	202	..
60	18	19923	208·0	217	192	..	9	19856	207·2	211	201	..	15	19843	209·9	215	205	..
50	16	21023	213·3	221	203	..	8	20977	213·6	225	205	..	11	20938	212·8	217	209	..
40	14	22429	217·6	227	200	..	5	22380	220·2	225	217	..	9	22329	216·9	221	211	..
30	10	24279	222·0	235	206	..	..	..	..	..	..	..	7	24128	219·7	229	213	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Standard Pressure Surface mb.	BOMBAY/SANTACRUZ (1004 mb)						CALCUTTA/DUM DUM (998 mb)						GAUHATI (994 mb)					
Surface	30	013	300·1	302	297	297·1	30	006	300·6	303	297	298·7	30	49	299·0	302	297	297·8
1000	30	045	300·1	302	297	297·1	30	—019	301·4	303	299	299·6	29	—001	..	..	..	..
900	30	970	294·3	298	291	291·4	30	919	298·2	303	292	291·8	29	925	296·2	299	292	292·6
850	30	1465	292·1	295	288	287·6	30	1421	295·5	300	290	289·7	29	1425	293·5	296	290	290·0
800	30	1983	289·2	293	287	284·5	30	1948	292·6	298	288	287·3	29	1943	290·7	294	287	287·7
700	30	3112	284·2	290	281	276·5	30	3081	285·2	293	280	280·6	29	3074	285·1	289	280	281·3
600	30	4384	277·3	283	271	269·2	30	4357	276·3	280	272	272·3	29	4849	278·4	283	273	274·4
500	30	5849	269·9	277	267	..	28	5821	269·1	273	266	..	29	5821	271·3	275	267	266·8
400	30	7580	259·6	264	253	..	27	7555	260·9	266	257	..	29	8568	262·1	267	257	..
300	30	9711	244·6	249	239	..	26	9700	247·1	254	242	..	26	9724	248·3	255	242	..
250	30	10997	234·9	240	230	..	26	10997	238·0	247	232	..	25	11049	240·0	246	234	..
200	30	12495	223·4	228	218	..	24	12532	227.1	235	221	..	26	12568	228·9	234	220	..
175	25	13363	216·6	222	209	..	24	13409	220·0	230	206	..	24	13447	222·5	230	214	..
150	25	14321	210·1	216	201	..	22	14390	213·5	223	208	..	22	14428	215·1	224	205	..
125	23	15430	203·0	210	196	..	20	15499	205·3	215	197	..	18	15543	207·5	217	201	..
100	20	16733	199·7	209	193	..	19	16822	198·2	208	193	..	15	16893	200·9	208	194	..
80	13	18085	204·7	213	193	..	16	18101	197·5	209	190	..	9	18165	198·5	206	194	..
70	8	18817	206·7	214	192	..	13	18256	200·4	214	191	..	7	18958	200·0	203	196	..
60	6	19838	214·2	218	209	..	11	19773	204·6	215	193	..	5	19862	206·2	210	202	.
50	5	21014	219·2	223	213	..	10	20883	210·6	218	197	..	..	..	..	..	..	..
40	..	..	..	..	..	..	5	22426	219·6	221	218	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(A) From Ascents at 00 Hours G.M.T.

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

Standard Pressure Surface mb.	JODHPUR Surf. Pr. (976 mb.)						MADRAS/MINAMBAKKAM (1004 mb.)						NAGPUR/SONEGAON (96 7mb).					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	29	218	301·7	305	299	295·0	30	015	301·4	303	298	295·0	30	311	300·0	307	296	293·5
1000	29	002	..	..	..	..	30	048	301·1	303	298	294·6	30	011	..	..	..	..
900	29	935	298·0	303	294	290·3	30	977	296·6	303	293	289·8	30	945	298·8	304	294	291·4
850	29	1487	296·6	300	291	284·6	30	1476	293·9	299	291	286·9	30	1448	295·9	301	292	289·5
800	29	1966	296·3	299	289	275·9	30	1998	290·5	293	288	284·6	30	1975	292·4	297	289	287·4
700	29	3113	287·6	292	283	268·3	30	3126	284·0	287	280	278·7	30	3110	284·5	289	281	281·6
600	29	4390	276·9	281	272	260·4	30	4395	276·3	281	272	272.9	30	4382	276·7	281	273	274·5
500	29	5847	268·4	274	263	..	30	5853	268·6	272	264	..	29	5845	269·2	273	264	..
400	29	7580	261·2	266	257	..	30	7589	258·4	264	254	..	29	7575	260·4	266	257	..
300	28	9726	247·0	250	241	..	30	9699	243·6	248	240	..	29	9709	245·5	251	241	..
250	28	11024	238·4	242	232	..	29	10980	234·4	239	229	..	29	10995	235·8	241	230	..
200	28	12549	227·6	235	222	..	27	12480	222·0	227	215	..	29	12502	224·8	231	217	..
175	27	13428	221·1	227	216	..	25	13331	216·5	221	209	..	25	13370	218·8	225	213	..
150	26	14418	214·5	221	208	..	24	14297	209·8	215	201	..	23	14355	211·9	220	208	..
125	25	15547	207·6	218	200	..	20	15392	202·5	208	196	..	21	15445	205·6	214	201	..
100	23	16860	200·7	215	195	..	14	16717	201·6	212	196	..	19	16791	199·5	208	193	..
80	20	18184	202·5	215	195	..	9	18083	208·1	221	197	..	12	18138	204·3	211	197	..
70	20	18980	206·9	223	196	..	5	18924	210·4	216	207	..	9	18946	209·0	218	203	..
60	17	19908	211·5	227	198	..	..	..	..	..	..	..	7	19843	213·4	223	206	..
50	12	20997	216·4	235	205	..	..	..	..	..	..	..	6	21003	218·3	224	209	..
40	10	22461	223·0	241	209	..	..	..	..	..	..	..	..	..	..	..	..	..
30	8	24351	227·3	233	214	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

	NEW DELHI/SAFDARJUNG (973 mb.)						PORT BLAIR (998 mb.)						SRINAGAR (836 mb.)					
Surface	30	209	303·4	306	297	289·4	30	079	298·9	301	295	296·9	25	1588	287·0	292	284	286·0
1000	30	–032	..	..	..	..	29	064	298·3	300	295	296·9	25	057	..	..	..	..
900	30	911	303·4	306	297	284·1	29	987	294·0	297	291	291·0	25	964	..	..	..	..
850	30	1417	300·2	303	294	280·9	29	1481	291·6	295	288	287·9	25	1449	..	..	..	..
800	30	1949	296·0	299	291	279·9	29	2000	289·2	294	284	285·1	25	1964	288·0	293	281	281·0
700	30	3091	286·6	290	282	273·2	29	3125	283·4	287	277	277·7	25	3087	282·7	289	275	275·6
600	30	4364	276·1	279	272	259·7	27	4393	275·5	280	271	271·8	25	4349	274·3	279	268	268·0
500	30	5814	267·1	274	262	..	27	5850	269·1	273	263	..	24	5790	264·3	267	259	..
400	30	7543	260·2	265	254	..	24	7569	258·0	262	255	..	24	7482	253·4	259	247	..
300	30	9679	246·6	250	243	..	24	9685	244·3	249	239	..	24	9547	243·5	252	233	..
250	30	10974	237·5	243	233	..	23	11097	234·7	239	230	..	24	10858	237·1	243	226	..
200	30	12493	226·9	233	220	..	23	12461	224·2	230	218	..	24	12379	228.2	231	222	..
175	29	13366	220·8	226	215	..	18	13332	217·7	223	213	..	23	13258	223·0	226	219	..
150	27	14345	213·9	220	209	..	16	14309	211·4	218	205	..	20	14205	217·8	222	213	..
125	26	15464	206·8	214	199	..	12	15409	205·1	211	199	..	18	15380	211·7	217	207	..
100	25	16791	201·2	210	191	..	11	16738	202·1	205	198	..	15	16750	206·0	211	198	..
80	23	18103	200·8	209	192	..	5	18028	203·2	206	200	..	13	18090	205·0	211	202	..
70	23	18911	203·8	218	195	..	..	..	..	..	..	..	12	18934	208·0	215	204	..
60	22	19813	209·3	227	193	..	..	..	..	..	..	..	10	19879	211·4	218	206	..
50	18	20954	216·3	235	207	..	..	..	..	..	..	..	9	21007	217·0	220	213	..
40	9	22330	221·2	229	216	..	..	..	..	..	..	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(A) From Ascents at 00 Hours G.M.T.

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

Standard pressure Surface mb.	TRIVANDRUM (1003 mb.)						VISHAKHAPATNAM (996mb)					
	No. of obs.	Ht. gpm.	Temperature °A.				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	30	064	297.8	300	295	296.1	30	041	302·1	304	299	296·8
1000	30	085	297·6	300	295	295·9	30	011	302·7	304	301	297.3
900	30	1007	293.0	296	290	289.2	28	949	299·0	303	295	290·1
850	30	1500	290.6	294	288	286.7	28	1451	296·6	301	293	287·9
800	30	2017	287.8	293	283	281.7	28	1977	293·0	297	289	285·9
700	29	3140	283.0	291	278	276.3	28	3114	285·2	289	282	280·5
600	29	4405	275.5	280	270	268·7	28	4388	277·1	283	273	275·9
500	28	5859	267.6	273	264	..	28	5851	269 5	274	265	..
400	28	7581	258.7	265	252	..	28	7585	260·1	264	256	..
300	27	9689	241.7	246	236	..	28	9723	246·1	252	239	..
250	27	10955	231.2	236	227	..	28	11015	236·9	244	231	..
200	27	12439	220.6	225	215	..	28	12529	225·9	231	220	..
175	25	13281	214.2	220	204	..	27	13395	219·5	226	214	..
150	25	14253	208.2	215	203	..	25	14385	212·8	217	207	..
125	23	15318	202.0	210	194	..	24	15452	205·9	212	200	..
100	19	16673	201.2	211	196	..	23	16827	199·6	204	195	..
80	12	17976	203.0	208	198	..	17	18174	202·6	208	195	..
70	9	18788	206.9	213	199	..	17	18974	206·6	213	199	..
60	6	19739	211.7	216	208	..	14	19912	209·4	215	203	..
50	5	20942	217.2	223	213	..	12	21015	214·2	217	209	..
40												..
30												
20												
10												

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 Hours G.M.T.

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

Standard Pressure Surface mb.	AHMADABAD Surf. Pr. (994 mb.)						ALLAHABAD/BAMHRAULI (984 mb.)						BANGALORE (907 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	30	055	311.8	315	308	295.0	30	098	314.0	317	303	291.9	30	921	300.8	307	297	292.2
1000	30	—038	..	..	..	..	30	—054	..	..	..	..	30	018	..	..	..	..
900	30	949	302.6	307	298	288.5	30	909	307.0	311	299	285.7	30	981	300.0	305	294	291.2
850	30	1454	298.1	304	294	286.5	30	1422	302.5	306	295	283.6	30	1484	295.4	300	291	288·8
800	30	1981	293.4	301	289	283.7	30	1955	297.9	302	291	281.7	30	2007	291.0	296	287	286.6
700	30	3115	285.6	289	282	272.1	30	3107	288.0	291	283	275.8	30	3134	283.7	288	280	279.5
600	30	4388	277.2	283	273	262.7	29	4391	278.3	282	274	265.7	30	4404	276.8	281	273	273.0
500	30	5851	270.3	274	266	..	29	5856	271.0	275	267	256.6	30	5867	269.5	275	265	..
400	30	7593	260.9	267	257	..	28	7605	263.2	269	257	..	30	7595	258.5	264	254	..
300	30	9734	245.7	255	240	..	27	9768	249.1	254	245	..	30	9719	244.1	251	241	..
250	30	11062	236.2	245	230	..	27	11078	240.3	246	237	..	30	11001	235.0	241	229	..
200	30	12530	225.6	234	219	..	26	12624	230.3	235	225	..	29	12499	223.9	230	219	..
175	29	13406	219.1	224	212	..	22	13501	223.9	230	218	..	27	13370	218.1	224	213	..
150	28	14383	212·0	217	207	..	22	14496	216.6	224	210	..	27	14338	211.7	217	207	..
125	28	15500	204·1	209	199	..	22	15637	209.7	217	204	..	25	15462	206.1	213	200	..
100	26	16810	197·8	205	193	..	21	16954	203.0	210	197	..	23	16791	201.1	207	197	..
80	25	18057	197·2	215	191	..	12	18307	199.5	209	195	..	18	18120	202.9	207	199	..
70	22	18889	201·3	220	195	..	6	19100	201.0	204	197	..	17	18994	204.8	215	199	..
60	18	19787	207·6	229	199	..	..	..	..	..	..	..	13	19867	206.1	213	199	..
50	13	20849	212·3	232	205	..	..	..	..	..	..	..	11	20917	208.5	217	201	..
40	8	22211	216.1	219	212	..	..	..	..	..	..	..	10	22290	212.4	219	205	..
30	..	..	..	..	..	..	..	..	..	..	..	..	7	24130	216.1	223	209	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

	BOMBAY/SANTACRUZ (1003 mb.)						CALCUTTA/DUMDUM (995 mb.)						GAUHATI (992 mb.)					
Surface	30	013	303.0	305	299	297.7	30	06	304.9	313	300	298.7	30	049	302.4	307	299	298.5
1000	30	041	302.8	305	299	297.4	30	—033	..	..	..	..	29	—025	..	..	..	..
900	30	0966	295.5	299	293	291.0	30	0909	300.1	310	294	294.1	29	0907	297·3	301	294	293·5
850	30	1466	292.8	297	289	288.0	30	1413	297.4	305	292	290.6	29	1405	294·6	298	291	290·9
800	30	1987	289.9	295	285	285.4	30	1943	294.1	299	290	287.3	29	1928	291.9	297	289	288.0
700	30	3115	284.9	291	281	276.4	30	3085	286.3	291	283	279.5	29	3061	285.6	289	283	281.4
600	30	4390	278.2	286	275	270.9	30	4365	278.5	283	275	270.6	29	4340	279.2	285	275	274.4
500	30	5858	270.6	277	265	..	30	5839	270.9	275	267	264.0	29	5816	272.3	276	268	268.1
400	30	7595	260·6	265	254	..	30	7581	261.9	268	257	..	28	7572	263.3	266	260	..
300	30	9740	246.3	252	239	..	29	9734	247.7	254	243	..	27	9738	249.3	253	246	..
250	30	11029	236.9	243	231	..	29	11034	238.4	245	232	..	25	11044	240.6	245	237	..
200	29	12546	24.7	230	218	..	28	12547	226.1	233	220	..	25	12580	228.6	234	223	..
175	28	13412	217.9	224	209	..	27	13410	219.1	226	212	..	22	13471	222.2	231	214	..
150	26	14378	210.0	216	202	..	24	14398	212.8	221	207	..	20	14455	215.8	227	211	..
125	25	15524	202.4	211	186	..	23	15506	205.4	216	198	..	19	15563	207.6	215	200	..
100	19	16779	198.6	204	191	..	21	16835	198.3	209	193	..	14	16882	199.5	205	196	..
80	11	18004	203.8	214	194	..	15	18128	196·2	206	189	..	7	18150	199.0	207	194	..
70	9	18888	208·6	222	193	..	14	18923	200·3	210	192	..	6	18944	203.2	209	200	..
60	6	19867	217.3	234	196	..	13	19831	206·3	225	197	..	5	19859	207.6	213	203	..
50	..	..	..	..	..	..	7	20918	212.9	219	208	..	..	..	..	..	..	..
40	..	..	..	..	..	..	5	22333	218·2	222	216	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 Hours G.M.T.

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

Standard Pressure Surface mb.	JODHPUR Surf. Pr. (973 mb)						MADRAS/MINAMBAKKAM (1001 mb.)						MINICOY (1009 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	30	218	312·6	315	310	291·0	30	029	306·5	311	302	295·9	30	002	302·1	304	299	297·1
1000	30	—029	..	..	..	..	30	028	306.0	311	302	295.9	30	086	301.2	303	299	296.3
900	30	935	305·2	309	302	287·3	30	970	300·3	305	296	290·8	30	1015	294.0	296	292	290·4
850	30	1444	300·8	304	297	284·4	30	1473	296·4	301	290	289·2	30	1508	291·6	295	289	286·7
800	30	1976	296·6	302	292	279·8	30	1998	291·4	297	287	286·9	30	2027	288·9	291	287	283·4
700	30	3123	288·4	295	281	268·5	30	3128	283·9	289	280	280·5	30	3152	283·4	287	281	274·7
600	30	4404	277·6	285	271	258.5	29	4401	277·6	281	274	273·5	30	4420	276·1	281	273	269.7
500	30	5863	269·6	279	264	249.0	29	5865	269·5	273	265	..	30	5877	268·6	273	264	..
400	30	7604	261·9	268	254	..	29	7596	259·2	265	254	..	30	7598	258·0	264	253	..
300	29	9748	246·8	253	239	..	28	9728	244 7	249	240	..	30	9712	243·4	249	241	..
250	29	11045	238·5	245	230	..	28	11010	234·5	239	229	..	30	10987	234·1	238	231	..
200	29	12576	228·4	236	221	..	26	12507	221·9	225	215	..	30	12479	222·6	227	219	..
175	28	13458	222·1	230	214	..	23	13372	216·7	222	210	..	29	13324	216·5	222	211	..
150	27	14436	214·9	222	207	..	22	14346	209·8	215	201	..	28	14299	210·6	217	204	..
125	24	15544	207·5	215	201	..	17	15424	202·8	212	197	..	26	15392	204·1	211	195	..
100	21	16856	201 2	208	195	..	11	16730	198·9	204	194	..	22	16727	199·7	209	193	..
80	19	18175	199.9	209	192	..	8	18046	205·3	210	201	..	13	18052	202·9	212	196	..
70	18	18964	204.9	215	193	..	5	18874	209·4	216	204	..	13	18863	206·8	214	201	..
60	16	20993	212.3	224	200	..	..	..	..	..	..	..	11	19789	209·0	219	204	..
50	14	21069	216.5	227	204	..	..	..	..	..	..	..	9	20868	209·3	217	206	..
40	11	22525	222.1	232	210	..	..	..	..	..	..	..	..	..	..	..	..	..
30	5	24000	229.6	237	218	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

	NAGPUR/SONEGAON (965 mb.)						NEW DELHI/SAFDARJUNG (972 mb.)						PORT BLAIR (997 mb.)					
Surface	30	311	306·4	315	298	292·7	30	209	311·9	315	307	289·1	30	079	300·5	301	299	297·3
1000	30	—014	..	..	..	..	30	—052	..	..	..	..	29	057	..	..	..	..
900	30	937	302·3	309	297	292·3	30	907	307·1	311	300	284·2	29	981	294·4	297	292	292·4
850	30	1446	298·5	303	293	290·4	30	1421	303·1	308	296	281·4	29	1476	291·9	297	288	289·2
800	30	1976	294·1	299	289	288·0	30	1957	298·4	303	291	278·6	29	1996	289·2	295	284	285·5
700	30	3117	285·6	291	281	281·8	30	3107	288·1	294	281	274.5	29	3123	283·9	290	279	278·5
600	30	4395	277·8	282	275	274.5	30	4387	277·5	283	271	260.6	29	4395	277·0	283	272	271.0
500	29	5865	270·5	273	266	266.2	30	5847	268·8	276	262	..	28	5858	269·8	276	266	..
400	29	7603	261·0	266	255	..	30	7581	261·1	266	253	..	27	7584	259·2	263	255	..
300	29	9746	246·9	249	240	..	29	9728	247·6	254	241	..	27	9708	245·0	249	239	..
250	29	11040	237·4	246	234	..	29	11028	238·8	242	233	..	27	10991	235·7	242	229	..
200	26	12555	225·4	231	219	..	29	12557	228·1	233	223	..	27	12495	224·4	229	215	..
175	23	13436	219·7	225	215	..	28	13429	222.1	227	218	..	18	13358	218.5	225	210	..
150	22	14418	212·7	217	206	..	28	14418	215·9	221	211	..	16	14358	212.1	218	209	..
125	21	15523	205·4	210	199	..	27	15546	207·9	217	203	..	12	15447	205.5	211	202	..
100	18	16874	201·0	205	197	..	27	16881	201.1	213	194	..	8	16796	199.1	203	194	..
80	10	18239	202·4	210	195	..	24	18190	201.7	210	197	..	..	..	..	..	..	..
70	6	19063	206·5	214	201	..	22	18986	204.9	212	198	..	..	..	..	..	..	..
60	..	..	..	..	..	..	21	19927	210.0	217	201	..	..	..	..	..	..	..
50	..	..	..	..	..	..	18	21148	216·9	223	210	..	..	..	..	..	..	..
40	..	..	..	..	..	..	13	22507	221·7	227	217	..	..	..	..	..	..	..
30	..	..	..	..	..	..	6	24372	225.5	229	223	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 Hours GMT.

June, 1965 (Jyaistha 11—Asadha 9, 1887 Saka)

Standard Pressure Surface mb.	SRINAGAR Surf. Pr. (835 mb.)						TRIVANDRUM (1001 mb.)						VISHAKHAPATNAM (995 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	25	1588	298·5	305	287	287·3	30	064	301·0	303	299	297·0	30	041	304.6	309	300	298.4
1000	25	−013	..	..	..	..	30	076	300·6	303	298	296·5	30	−003	..	..	..	..
900	25	927	..	..	..	..	30	1004	294·3	297	291	291·0	30	941	300.7	306	296	291·7
850	25	1432	..	..	..	..	30	1499	291·6	294	288	287·5	30	1445	297.3	301	292	289.1
800	25	1963	295·6	303	283	281·1	30	2018	288·9	292	285	283·7	30	1973	294.0	298	290	286.8
700	25	3107	286·7	295	276	273·5	30	3144	283·6	287	280	277·0	30	3113	285.8	290	283	280.4
600	25	4383	276·5	283	270	265·0	30	4414	276·9	282	273	270·2	30	4391	278.5	283	275	273·8
500	25	5884	265·2	271	262	..	30	5877	269·2	274	265	..	30	5859	270.1	273	265	..
400	24	7534	254·4	260	250	..	30	7605	258·8	263	255	..	30	7596	260.6	267	255	..
300	24	9636	243·3	251	236	..	30	9725	242·9	247	239	..	30	9742	246.9	252	241	..
250	24	10884	237·4	243	231	..	30	10997	233·1	239	229	..	30	11038	238.2	244	232	..
200	24	12454	228·6	233	223	..	30	12487	221·6	229	219	..	30	12560	226.6	233	222	..
175	23	13353	223·5	228	217	..	30	13330	215·6	220	212	..	25	13437	220.6	227	216	..
150	22	14344	218·3	224	211	..	29	14305	208·9	213	203	..	23	14419	214.4	221	207	..
125	21	15445	212·5	221	204	..	25	15385	202·7	206	195	..	19	15524	207.7	213	201	..
100	20	16863	207·1	216	200	..	24	16717	201·0	211	196	..	16	16897	201.1	205	194	..
80	15	18191	205·8	213	200	..	17	18026	204·2	208	198	..	12	18184	202.6	212	196	..
70	14	19017	208·1	215	201	..	13	18836	208·2	215	202	..	10	19020	206.3	209	203	..
60	9	20771	211·8	216	206	..	10	19765	211·1	215	205	..	8	19997	209.5	211	208	..
50	7	21060	216·7	221	208	..	8	20895	218·0	220	209	..	7	21096	213.6	216	210	..
40	6	22490	220·3	225	211	..												
30																		
20																		
10																		

NOTE.—Number of observations refer to those of dynamic height.

Means are not worked out for temperature and dew point for the 1000 mb. surface and for dew point for standard pressure surfaces with temperature less than 273° A.

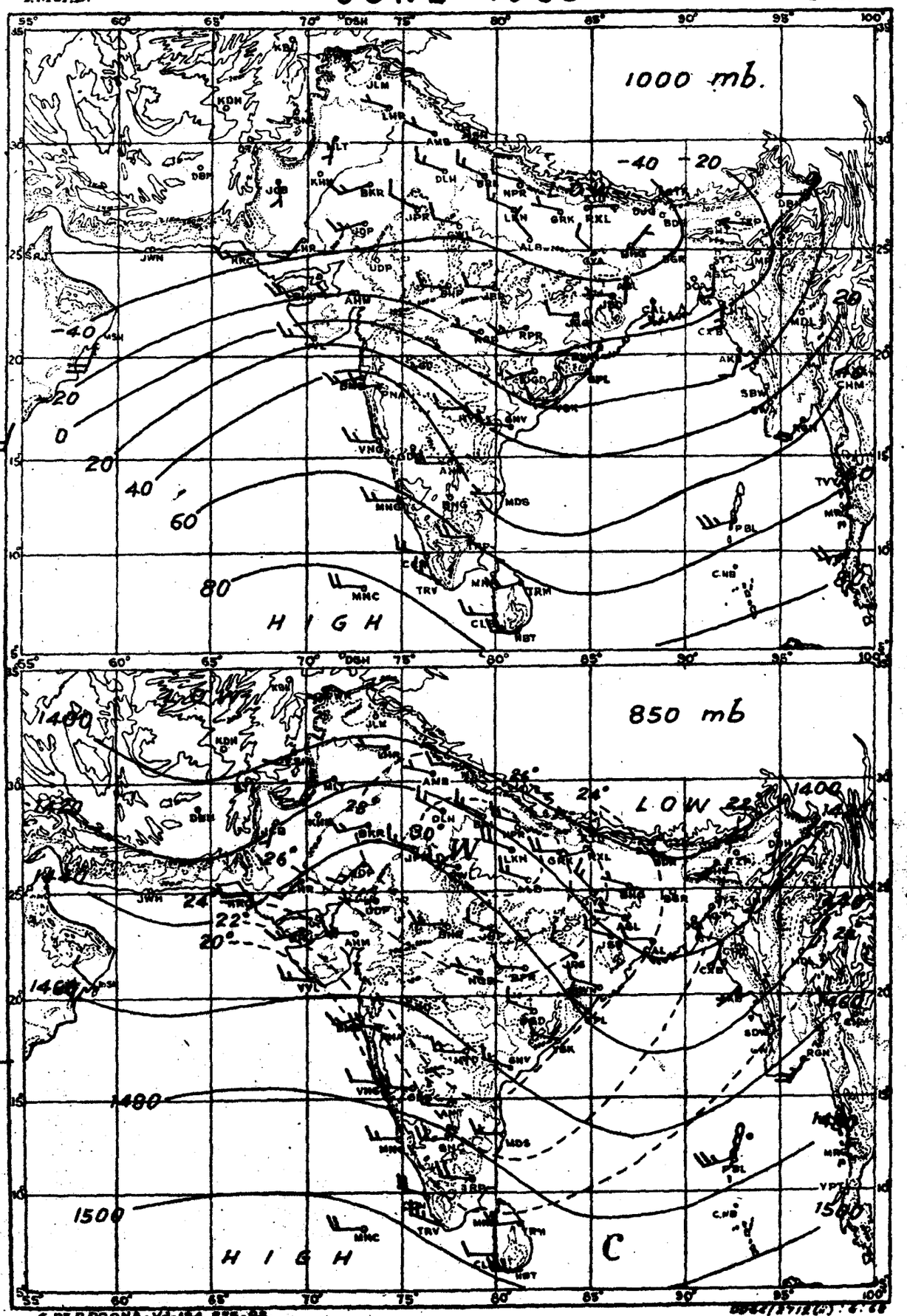
Means are not worked out for less than five observations at standard pressure surfaces.

GIPN—S2—9 D.D.G.Obs. P/68—15-3-69—260

MONTHLY MEAN CONSTANT PRESSURE CHARTS

JUNE 1965

I.Met.D. Plate I



G.PZ.P.POONA-Vol-154-275-65.

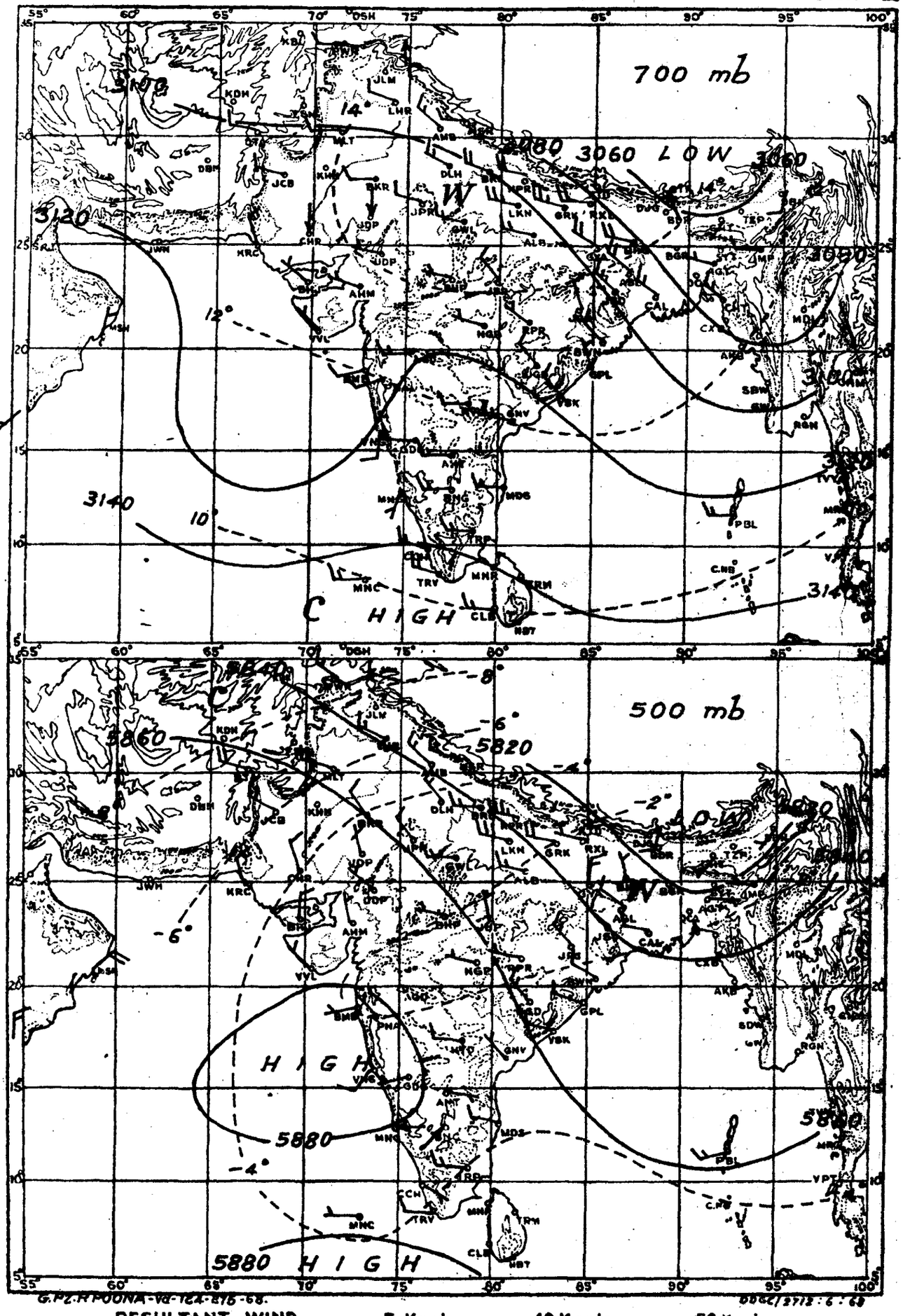
RESULTANT WIND — 5 Knots, — 10 Knots, — 50 Knots.

---------- Isotherms in degrees centigrade ———— Contours in geopotential metres.

G.P.Z.P. POONA, 1965.

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I.Met.D. **JUNE 1965** Plate II



RESULTANT WIND —— 5 Knots, —— 10 Knots, —— 50 Knots.

- - - - - - - - Isotherms in degrees centigrade ———— Contours in geopotential metres.

G.P.Z.P. POONA, 1968.

Errata to Monthly Weather Report for the quarter July to September 1965.

Item/Station	Hour	Column	For	Read
1965				
e I				
Heading	-	8	030 hrs.	0830 hrs.
sion				
1.Assam(including NEFA, Nagaland,Manipur, Tripura)	-	3	91	92
3.Orissa	-	3	122	112
6.Punjab(including Delhi and Himachal Pradesh)	-	1	-	Asterisk may be given to the division
Division				
4.Sub-Himalayan West Bengal	-	2	+132.2	+132.3
26.Rayalaseema	-	1	Rayalaseema (including Pondicherry)	Rayalaseema
''	-	9	6.3	6.5
27.Madras State (including Pondicherry)	-	1	Madras State	Madras State (including Pondicherry)
- do -	-	7	not clear	51
31. Kerala	-	2[illegible]	376.9	367.9
32.Arabian Sea Islands	-	5	0.1	+0.1
Footnote	-	-	-	*Data for Himachal Pradesh not included.
e II				
Maya Bandar	-	9	2,23	22,23
Port Blair	-	16	+4.5	-4.5
Tezpur	-	11	334.4	234.9
Goalpara	-	18	3.7( )	3.7(a)
Gauhati	-	3	Blank	0
''	-	12	-189.3	-189.8
Gauhati(Bhorjor)	-	12	-57-7	+57.7
''	-	16	-1.1	-1.3
Dhubri	-	13	247.3	247.8
Lumding	-	10	65.0(a)	65.0
Tura	-	10	182.9	182.9(a)
Haflong	-	11	291.1	291.2
Silchar	-	16	+0.8	+0.3
''	-	19	-0.	-0.8
Baghdogra	-	10	11.4	111.4
Jalpaiguri	-	11	106.36	1063.6
Malda	-	18	3.3	3.8
Shanti Niketan	-	11	420.9	320.9
Footnote	-	-	(a) Mean of 30 days	(a)Mean or Total for 30 days
Calcutta (Dum Dum)	-	7	+0.3	-0.3
Midnapore	-	13	149.2	49.2
Contai	-	3	-0.3	+0.3
Sagar Island	-	7	0.6	-0.6
Sandheads	-	13	177.8	77.8
Balasore	-	3	-0.3	+0.3
Angul	-	12	-52.8	-52.3
''	-	16	+1.2	-1.2
Bolangir	-	18	0.3	10.3

contd. 2

Page	Item/Station	Hour	Column	For	Read
371	Puri	-	14	14	19
''	''	-	20(b)	19	18
''	Gopalpur	-	28	1	0
''	Hazaribagh	-	15	12	18
''	Purnea	-	3	+0.7	-0.7
372	Lucknow(Amausi)	-	1	Lucknow(Amaui)	Lucknow (Amausi)
''	''	-	16	+6.4	-6.4
''	Allahabad(Bamhrauli)	-	12	+139.7	-139.7
''	Tehri	-	17	3.7	4.7
''	Mansiari	-	1	Mansiar	Mansiari
''	Ludhiana	-	16	+ .6	+1.6
''	Patiala	-	9	0	10
373	Jaipur (Sanganer)	-	11	94.2	94.0
''	Shivpuri	-	18	2.2	12.2
''	Guna	-	12	+33.3	+3.3
''	Sagar	-	12	-189.1	-188.1
374	Rewa	-	2	35.2	35.1
''	Raigarh	-	11	228.1	328.1
''	Raipur	-	18	3.2	13.2
''	Ahmadabad	-	6	25.5	25.4
''	''	-	10	57.7	75.7
''	Baroda	-	3	+1.3	+1.0
''	Bhuj (Rudramata)	-	13	46.6	46.7
''	Mandvi	-	3	+0.1	-0.1
''	Surendranagar	-	17	19.9	19.9(a)
''	Jamnagar (Aerodrome)	-	3	-0.4	+0.4
''	Keshod	-	11	250.2	350.2
''	Footnote	-	-	(b)Mean or total for 29 days	(b) Mean of 29 days
375	Dahanu	-	19	+0.4	+4.0
''	Bombay	-	20(a)	3	0
''	Devgarh	-	13	12.5	112.5
''	Dabolim(Naval Air Station)	-	1	Dabdim (Naval Air Station)	Dabolim (Naval A Station)
''	Ozar	-	10	34.0(a)	134.0(a)
''	Miraj	-	14	not clear	21
''	Chanda	-	19	+0.5	+5.0
''	Nidadavole	-	7	-0,1	-
''	Rentachintala	-	7	0.1	-0.1
''	Gannavaram	-	7	0.3	-0.3
''	Footnote	-	-	(h)Mean of 523 days	(h) Mean of 23 days
376	Nizamabad	-	1	Nizamabad	Nizamabad(R)
''	Hanamkonda	-	8	21.9	21.8
''	Cuddapah	-	3	-0.1	-1.0
''	Nagapattinam	-	15	7	3
''	Tiruchchirappalli	-	11	50.7	56.7
''	Mangalore(Pajpe)	-	11	874.0	874.6
''	Belgaum	-	1	elgaum	Belgaum
''	Belgaum (Samra)	-	6	29.1	20.1
''	Chitradurga	-	12	+22.1	-22.1
377	Heading	-	22	Hai	Hail
''	Shimoga	-	19	-4.9	-0.9
''	Agumbe	-	11	427.5	2155.0
''	''	-	13	111.4	289.0
''	''	-	15	19	31

contd. 3

Item/Section	Hour	Column	For	Read
Balehonnur	-	7	-0.1	-1.0
Calicut	-	1	Caicut	Calicut
Palghat	-	5	7,11	6,7,11
Agatti	-	1	Agatti	Agatti(R)
Androth	-	1	Androth	Androth (R)
Mussoorie	-	17	not clear	8.4
Heading	-	29	Line Squa	Line Squall
Khudi Bazar	-	8	19.7	19.9
Nuwakot	-	10	152.6	152.9
Taplejung	-	5	15	15,28
e III				
Jorhat (Aerodrome)	0530	8	27.1	25.1
Rangia	1730	4	100.0	1000.0
Chaparmukh	1730	9	25.8	25.7
Tura	0830	1	Tur	Tura
Silchar (Kumbhirgram)	1730	7	24.8	28.4
Baghdogra	1130	10	31.4	31.5
Jalpaiguri	0830	6	-0.4	+0.4
Berhampore	1730	8	27.6	27.0
Asansol	0530	13	6.3	6.8
"	2330	4	1002.2	1000.2
Shanti Niketan	1730	24	0	4
Purulia	0830	3	not clear	255
"	1730	8	25.3	25.8
Bankura	1730	23	Blank	2
Calcutta (Dum Dum)	0830	6	Blank	0
Jharsuguda	0530	4	994.4	999.4
Sambalpur	0830	1	Sambalnur	Sambalpur
"	0830	27	Blank	5
Bhubaneswar	1130	9	24.2	24.3
Puri	0830	1	Pri	Puri
Gopalpur	1130	4	100.1	1001.1
Dumka	1730	13	not clear	5.1
Dhanbad	0830	28	0	1
Jamshedpur (P.B.O.)	2330	7	26.	26.3
Purnea	0830	5	996.9	996.8
"	1730	5	998.3	993.8
Patna Aerodrome	2330	7	27.0	27.9
Bhagalpur	0830	6	Blank	0
Dehri	1730	19	9	3
Bahraich	0830	28	Blank	0
"	1730	15	1.5	11.5
"	1730	28	Blank	0
Hardoi	0830	5	953.5	983.5
Lucknow	0830	9	2.9	23.9
Lucknow (Amausi)	0230	10	29.	29.1
"	0830	15	5.6	15.6
Faizabad	0830	15	5.3	5.8
Ballia	1730	4	992.5	997.5
Varanasi (Babatpur)	0530	24	2	3
"	0830	15	9.0	9.9
Sub Division	-	1	Punjab (India) (including Delhi)	Punjab (Including Delhi)
Bhuntar	0830	1	Varanasi	Bhuntar
Sub Division	-	1	Punjab(India) (including Delhi)	Punjab(including) Delhi)

contd. 4

Page	Item/Section	Hour	Column	For	Read
386	Ferozepore	0830	5	976.1	976.9
''	Chandigarh	1730	1		Read (R) against1
''	Hissar	0530	28	0	1
''	''	0830	14	-0.7	+0.7
''	New Delhi (Safdarjung)	0230	13	3.6(a)	3.6(b)
''	''	0830	14	+1.1	-1.1
''	Palam (Aerodrome)	1730	20	1	2
''	''	2330	20	1	0
''	Mandi	0830	4	988.1	998.1
''	''	0830	14	-0.4	+0.4
387	Jammu (Aerodrome)	1130	23	0	8
''	Bikaner	1730	15	1.5	11.5
''	''	1730	24	0	10
''	Phalodi	1730	4	999.3	996.3
388	Barmer	0530	7	26.7	26.6
''	''	0830	6	-0.5	+0.5
''	''	1130	4	998.4	998.5
''	''	1730	4	998.2	995.2
''	Erinpura(Jawai Dam)	0830	1	Erinpura (Jawar Dam)	Erinpura(Jawai Dam)
''	Munabao	0830	1	Minabao	Munabao*
''	Pilani	0830	4	992.2	999.2
''	Sikar	1730	28	1	0
''	Alwar	0830	28	0	1
''	Udaipur	0530	4	992.2	999.2
''	''	1730	18	10	23
''	''	2330	18	23	10
''	Jhalawar	0830	17	10	2
''	Gwalior	0530	15	9.0	8.0
''	''	0830	5	975.3	975.5
389	''	1430	5	993.9	973.9
''	''	1430	6	+0.2	-
''	''	2030	7	20.5	30.5
''	''	2030	15	0.2	10.2
''	Ratlam	0830	14	+0.6	-0.6
''	Bhopal (Bairagarh)	0830	19	9	0
''	''	1430	10	27.	27.1
''	Ujjain	0830	28	1	0
''	Indore	0530	9	not clear	21.7
''	''	1130	7	27.0	27.9
''	Chhindwara	0830	3	not clear	685
''	Satna	1130	5	64.1	964.1
''	''	1730	5	961.	961.5
''	''	1730	11	70	69
390	Sidhi	0830	3	272	272*
''	''	1730	10	29.4	28.4
''	Ambikapur	0830	19	1	2
''	''	1730	19	0	3
''	Jashpurnagar	0830	24	4	14
''	Pendra	0530	3	''	625
''	Mandla	1730	10	25.9	26.9
''	Champa	0830	5	970.8	973.8
''	''	0830	28	1	0
''	''	1730	4	997.8	997.3

contd. 5

Item/Section	Hour	Column	For	Read
Raigarh	0830	15 and 19	5.6 and 3	4.6 and 0
"	1730	5	963.6	973.6
"	1730	19	0	3
Raipur	0530	3	228	298
"	0830	19	1	0
"	1130	19	0	1
"	1430	20	0	1
Jagdalpur	0530	25	5	0
"	0830	11	89	83
"	0830	15	10.0	10.3
"	1730	7	25.6	26.5
"	1730	8	24.1	23.1
"	2330	9	21.1	21.5
Idar	0830	2	0530	0830
"	0830	5	996.9	976.9
"	1730	20	0	2
Ahmadabad	0830	12	+5	+2
"	1130	9	23.5	24.5
"	1430	26	3	2
"	1730	4	698.2	998.2
"	1730	10	30.7	29.7
"	2030	10	28.9	30.7
"	2030	26	2	1
"	2330	7,8,10	27.7,25.3,30.7	27.3,25.2,30.0
Dohad	0830	15	23.5	23.6
"	0830	21	4	0
"	1730	8	34.3	24.3
Surat	1730	9	24.	24.7
Naliya	0830	22	Blank	1
Bhuj (Rudramata)	0530	9	25.8	24.8
"	2030	5	990.6	990.9
Mandvi	0830	17	0	20
"	0830	27	0	2
Jamnagar Aerodrore	0830	6	+0.1	+1.0
Porbandar Aerodrome	1730	10	30.0	30.9
Mahuva	0830 and 1730	16	0	-
Bombay	1730	18	not clear	17
Bhira	0830	27	1	10
Devgarh	1730	13	4.1	7.1
Vengurla	All hours	16	0	-
Panjim	0530	15	20.0	20.2
"	2330	5	1000.7	1001.7
Jalgaon	0830	1	Jalgoan	Jalgaon
"	1730	22	0	1
Deolali (Aerodrome)	0830	7	32.2	23.2
Ahmadnagar	0830	22 and 23	1 and 0	0 and 1
Poona	1730	25	25	26
Sholapur	2330	15	2.0	12.0
Miraj	0830 and 1730	15	0	-
Aurangabad (Chikalthan)	0830	17	0	10
"	2330	27	0	1

contd. 6

Page	Item/Section	Hour	Column	For	Read
393	Parbhani	0830	5	957.0	957.4
''	Nander	0830	3	353	358
''	Bir	1730	15	15.4	15.9
394	Vidarbha	-	1	Vidarbha (contd.)	delete (contd.)
''	Akola Aerodrome	0530	4	001.0	1001.0
''	''	0830	4	1002.0	1002.1
''	''	2330	7	25.0	25.9
''	Akola	0830	25	not clear	27
''	Buldana	1730	4	999.8	998.8
''	Yeotmal	0830	23	Blank	1
''	Chanda	1730	22	Blank	1
''	Sironcha	1730	19 and 23	Blank	1
''	Vishakhapatnam	0530	24	1	7
''	''	2030	18	not clear	22
''	Gannavaram	2330	9	23.9	23.3
''	''	2330	26	8	1
395	Ongole	1730	4	1002.2	1002.3
''	Ramgundam	1730	4	1001.1	1000.1
''	Hanamkonda	1730	4	1003.8	1001.8
''	Bhadrachalam	1730	28	1	0
''	Hyderabad(Begampet)	0530	25	not clear	26
''	''	0830	6	-1.2	+1.2
''	''	0830	14	0.7	+0.7
''	Khammam	0830	22	0	1
''	''	1730	25	not clear	13
''	Mahbubnagar	1730	23	10	1
''	''	1730	25	2	20
''	Kurnool	0830	4	1003.8	1006.8
''	''	0830	14	0.3	+0.3
''	Anantapur	0830	6	-1.3	+1.3
''	''	0830	14	0.1	+0.1
''	''	0830	18	18	13
''	Cuddapah	0830	5	not clear	992.9
''	''	0830	6	-1.4	+1.4
396	Coimbatore(Pilamedu)	1130	28	0	1
''	''	1730	28	1	0
''	Tiruchchirappalli	0530	17	7	17
397	Karwar	1730	5	1056.8	1006.8
''	Honavar	0830	8	24.2	24.3
''	Chitradurga	1730	24	1	11
''	Shimoga	1730	19	0	1
''	Agumbe	0830	1	Ahumbe	Agumbe
''	''	0830	19	1	0
''	Bangalore Aerodrome	1730	11	85	65
''	''	2330	2	330	2330
''	''	2330	11	65	85
398	Interior Mysore South	-	1	Blank	Interior Mysore South (contd.)
''	Fort Cochin	0830	15	9.0	6.0
''	''	0830	22	0	1
''	Minicoy	0530	24	Blank	1
''	Dharmsala	1730	13	6.6	6.0
''	Simla	0830	6	Blank	+1.4
''	''	1730	4	437.6	1437.6
''	''	1730	6	+1.4	-
''	''	1730	10	19.1	19.6

contd. 7

ge	Item/Section	Hour	Column	For	Read
8	Lokpal	0830	16 and 17	0	-
	Joshimath	0830	16	Blank	0
9	Heading	-	16	2 or more	62 or more
	Mukteswar (Kumaon)	0830	12	+1	-1
	"	0830	14	+0.4	-0.4
	Nainital	1730	19	Blank	5
	Darjeeling	1730	9	13.5	16.5
	Kohima	1630	2	1730	1630*
	"	1630	19	Blank	2
	Shillong	0830	10	20.0	22.0
	Aijal	1730	13	7.6	6.7
	"	1730	23	2	10
	Pachmarhi	0830	23	0	1
	"	1730	23	0	1
	Mahabaleshwar	0830	4	1463.0	1466.0
	Mercara	0830	14	+0.4	-0.4
	Kodaikanal	0830	14	+0.4	+0.5
	Tilaiya	0830	8	24.0	24.6
	Konar	0830	8	24.3	25.3
	Bokaro	1730	23	Blank	1
	Footnote	-	-	*Observations refer to 1630 hours.	
0	Bhimkund	0830	1	not clear	Bhimkund
	Hirakud	1130 and 1730	3	..	"
	Pokhara	1730	16	Blank	0
	Dadeldhura	1730	15	5.5	6.5
	Katmandu	1130 and 1730	3	..	"
	Chautara	0830	1	Chepua	Chautara
1	Kosi Catchment	-	1	Blank	Kosi Catchment (contd.)

BLES IV TO VI - UPPER AIR DATA

ge	Station	Item	Hour	Level	Wrong entry	Correct entry
3	Lucknow	Date of opening	-	-	28th Nov.	20th Nov.
4	Allahabad	D	2330	Surface	111	113
6	Bahraich	D	0530	4.5	064	164
		V	1730	0.15 a.g.	7.6	6.7
6	Bareilly	D	1730	0.9	005	095
7	Bhubaneshwar	n	0530	1.5	32	23
8	Bombay	v	0530	0.15 a.g.	9.0	9.6
9	Cochin	D	1730	2.1	305	302
0	Gauhati	Name of station	[redacted]	-		Delete asterisk(*) mark
0	Gauhati	Time in IST	1730	-		Add asterisk(*) mark
0	Gauhati	D	1730	9.0	191	101
0	Gauhati	D	2330	Surface	19	192

contd. 8

Page	Station	Item	Hour	Level	Wrong entry	Correct entry
411	Gorakhpur	Name of station	-	-	GORKHAPUR	GORAKHPUR
412	Jamshedpur	-	0530	0.6 onward	Shift data one line abov e.g. read data for 0.6 a that for 0.3 and so on.	
413	Jodhpur	Time in IST	1130	-	1730	1130
415	Nagpur	D	1730	0.6	243	273
415	Nagpur	V	2330	1.5	10.3	10.0
416	Raipur	Time in IST	0530	-	-	Delete aster (*) mark
416	Raipur	n	0530	3.0	5	8
416	Raipur	n	0530	3.6	8	5
419	Bombay	V	1730	12.0	16.9	16.6
419	Bombay	v	1730	16.2	28.7	28.0
419	Calcutta	v	1730	16.2	19.3	19.8
419	Jharsuguda	v	1730	10.5	10.0	19.0
419	Lucknow	Ht. in km.	0530	14.1	14.0	14.1
419	Madras	D	0530	12.0	033	083
419	Madras	V	1730	12.0	18.	18.9
419	Nagpur	V	0530	14.1	18.	18.7
422	Ahmadabad	Ht.	00 GMT	60 mb	13832	19832
422	Allahabad	Ht.	00 GMT	30 mb	24171	24071
422	Bangalore	Min.	00 GMT	300 mb	219	239
423	New Delhi	Ht.	00 GMT	300 mb	7940	9740
423	New Delhi	Ht.	00 GMT	250 mb	1053	11053
423	Port Blair	Ht.	00 GMT	900 mb	069	067
423	Port Blair	Mean	00 GMT	500 mb	269.	269.1
424	Vishakhapatnam	Sur. Pres.	00 GMT	-	995	997
424	Vishakhapatnam	n	00 GMT	125 mb	4	14
425	Allahabad	Ht.	12 GMT	300 mb	9737	9767
425	Bangalore	Dew point	12 GMT	700 mb	280.0	280.6
425	Gauhati	Mean	12 GMT	900 mb	29.9	297.9
426	Jodhpur	n	12 GMT	125 mb	18	17
426	Jodhpur	Ht.	12 GMT	125 mb	15654	15652
426	Jodhpur	Mean	12 GMT	125 mb	209.3	208.8
426	Jodhpur	Max.	12 GMT	125 mb	219	214
426	Jodhpur	n	12 GMT	100 mb	14	13
426	Jodhpur	Ht.	12 GMT	100 mb	17010	17007
426	Jodhpur	Mean	12 GMT	100 mb	204.4	202.9
426	Jodhpur	Max.	12 GMT	100 mb	223	211
426	Minicoy	n	12 GMT	300 mb	21	31
426	Nagpur	Max.	12 GMT	300 mb	251	252
427	Trivandrum	Sur. Pres.	12 GMT	-	1000	1001
427	Trivandrum	Max.	12 GMT	70 mb	16	216
427	Vishakhapatnam	Sur. Pres.	12 GMT	-	997	995
427	Vishakhapatnam	Dew Point	12 GMT	Heading	Dew oint	Dew Poin
427	Foot Note		2nd Line : Last word		273 A	273°A

e	Item/Section	Hour	Column	For	Read
UST 1965					
le I - Division					
	6. Punjab (including Delhi)	-	4	-0.6	+0.6
	10. Gujarat State (including Diu, Daman, Dadra and Nagar Haveli)	-	4	31.0	32.0
-Division					
	4. Sub-Himalayan West Bengal	-	6	82	89
	6. Orissa	-	2	+112.6	-112.6
	7. Bihar Plateau	-	3	53	63
	11. Punjab (including Delhi)		1	Punjab (India) (including Delhi)	Delete (India)
	18. Gujarat Region (including Daman, Dadra and Nagar Haveli)	--	2	-47.5	-47.8
	21. Madhya Maharashtra	-	3	86	87
	22. Marathwada	-	2	-87.6	+87.6
	24. Coastal Andhra Pradesh	-	2	-9.5	+9.5
	24. Coastal Andhra Pradesh	-	7	63	69
le II					
	Port Blair	-	28	0	4
	Nancowry	-	17	10.8	10.7
	Kondul	-	9	27	26
	Dibrugarh (Mohanbari)	-	10	119.6	119.7
	-do-	-	22	1	0
	Sibsagar	-	3	+1.3	+0.3
	-do-	-	12	+125.8	-125.8
	Majbat	-	20(a)	-	0
	Tezpur	-	7	+0.9	-0.9
	Golaghat	-	9	15	25
	-do-	-	14	5	6
	Chaparmukh	-	21	Blank	0
	Goalpara	-	10	113.0	213.0
	Gauhati (Bhorjor)	-	6	24.8	24.9
	Dhubri (Rupsi)	-	2	25.5	29.5
	Dhubri	-	3	+1.3	-1.3
	-do-	-	6	24.7	23.7
	-do-	-	12	+241.3	+241.1
	Lumding	-	3	+1.0	+0.1
	-do-	-	8	22.4	22.5
	Tura	-	4	33.3	33.0
	Kailashahar	-	11	325.2	325.9
	Agartala	-	20(a)	0	2
	Malda	-	13	57.1	57.6
	Suri	-	2	32.7	32.0
	Asansol	-	4	34.5	35.4
	Purulia	-	3	-0.6	+0.6
	-do-	-	12	-24.7	-24.5
	Burdwan	-	9	17	16
	-do-	-	18	3.6	-

Page	Item/Station	Hour	Column	For	Read
Table II (Contd.)					
432	Barrackpore (Aerodrome)	-	6	24.4	25.4
"	Midnapore	-	12	+128.4	-128.4
"	Contai	-	6	35.1	25.1
433	Heading	-	26	Ground rost	Ground frost
"	Daltonganj	-	2	23.6	33.6
"	Ranchi Aerodrome	-	22	Blank	0
"	Jamshedpur	-	22	Blank	0
"	Jamshedpur P.B.O.	-	22	Blank	0
"	Jamshedpur P.B.O.	-	10	55.4	155.4
"	Patna	-	2	32.2	32.3
"	Gorakhpur	-	11	475.4	475.7
"	Azamgarh	-	5	3,15	13,15
"	Foot note	-	-	-	delete foot no mean of 17 day (R) Register n received.
434	Tehri	-	10	30.0	33.0
"	Tehri	-	13	44.3	44.8
"	Agra	-	4	29.0	39.0
"	Jhansi	-	9	23,24,27	23,26,27
"	Adampur (Aerodrome)	-	11	Not clear	64.1
"	Ludhiana	-	11	Not clear	90.8
"	Ferozepur	-	11	Not clear	81.0
"	Gulmarg	-	1	Gulmarg	Gulmarg ≠
"	Barmer	-	7	+0.4	-0.4
"	Foot note	-	-	-	≠ Observations 18 days.
435	Jaipur (Sanganer)	-	11	82.2	82.1
"	Jhalawar	-	1	halawar	Jhalawar
"	Pendra	-	7	+0.2	+0.3
"	Raigarh	-	19	0.9	-0.9
"	Raipur	-	11	140.9	143.9
"	Raipur	-	19	2.5	-2.5
"	Dohad	-	3	+0.3	+2.0
436	Bhuj (Rudramata)	-	12	-19.7	+19.7
"	New Kandla	-	2	22.0	32.0
"	Bhavnagar Aerodrome	-	18	20.0	20.9
"	Ratnagiri	-	18	5.4	15.4
"	Devgarh	-	12	-56.4	-56.3
"	Panjim	-	15	18	21
"	Marmugao	-	15	20	18
"	Jalgaon	-	7	-0.3	-0.2
"	Foot note	-	-	(C)Total for 28 days.	(C) Mean of 28
437	Pusad	-	5	16,20	15,16,20
"	Masulipatam	-	7	+0.4	-0.4
"	Nizamabad	-	1	Nizamabad	Nizamabad (R)
"	Coimbatore	-	3	-0.3	+0.3
"	Coimbatore	-	12	-1.5	-11.5
"	Nagapattinam	-	3	-1.3	-1.7
"	Tiruchchirappalli	-	9	611	6,11
"	Pamban	-	12	+1.5	+11.5
438	Heading	-	29	Line Squa	Line Squall

...1

ge	Item/Station	Hour	Column	For	Read
ble II (Contd.)					
3	Bijapur	-	12	-53.5	+53.5
	Bijapur	-	19	-1.8	-2.8
	Shimoga	-	10	59.4	39.4
	Agumbe	-	11	360.4	1444.0
	Agumbe	-	13	61.5	206.0
	Agumbe	-	14	2	1
	Agumbe	-	15	15	30
	Agumbe	-	20(a),20(b)	1,30	0, 31
	Bangalore	-	12	+320.6	+230.6
	Amini	-	12	-235.0	+235.0
	Minicoy	-	12	22.5	-22.5
	Minicoy	-	13	Not clear	49.4
	Dharmsala	-	12	-740.4	-746.4
	Dhar[illegible]	-	12	+181.6	-181.6
	Joshimath	-	9	22,23	22,30
	Darjeeling	-	12	-147.6	+74.6
	Katmandu	-	26	7	0
	Hazaribagh	-	25	Blank	0
	Konar	-	28	Blank	0
	Foot note	-	-	-	(a)Total for 30 days.
9	Okhaldunga	-	18	3.6	3.3
	Chainpur	-	11	825.2	285.2
	Gangtok	-	8	21.5	15.5
	Gezing	-	8	6.0	16.0
able III					
0	Port Blair	0830	8	25.8	25.0
0	Port Blair	2330	24	11	1
	Dibrugarh(Mohanbari)	1130	25	2	1
	Digboi	0830	24	Blank	1
	Chaparmukh	0830	13	6.4	6.9
	Foot note	-	-	-	Delete foot notes : (e) Mean of 26 days. (d) Mean of 27 days. (o) Mean of 16 days.
1	Gauhati (Bhorjor)	0530	5	997.0	997.6
	Gauhati (Bhorjor)	0530	9	23.5	24.5
	Dhubri	0830	17	0	2
	Imphal (Tulihal)	0530	3	78	781
2	Heading	-	-	1886 Saka	1887 Saka
	Jalpaiguri	1730	4	1001.8	1001.0
	Jalpaiguri	1730	5	991.9	991.8
	Suri	0830	3	,,	-
	Sagar Island	1730	10	33.8	33.2
	Foot note	-	-	-	(m) Mean of 18 days (n) Mean of 17 days
3	Baripada	1730	10	23.2	32.2
	Jharsuguda	0830	5	98.9	978.9
	Keonjhargarh	0830	12	-2	-
	Keonjhargarh	0830	19	Blank	1
	Balasore	0830	6	Blank	+2.6
	Balasore	0830	13	6.3	6.8
	Balasore	1730	6	-1.1	-
	Angul	0830	10	19.7	29.7
	Bhubaneswar	1730	3	6	,,
	Gopalpur	0530	8	26.6	25.6

Page	Item/Station	Hour	Column	For	Read
Table III (Contd.)					
443	Dumka	1730	19	1	0
''	Hazaribagh	1730	22	1	2
444	Jamshedpur P.B.O.	0530	7	25.8	25.6
444	Jamshedpur P.B.O.	0830	15	4.8	4.6
''	Bhagalpur	1130	22	0	9
445	Lucknow (Amausi)	2030	12	-2	-
''	Gorakhpur	0830	1	Gorakhpu	Gorakhpur
''	Kanpur	0830	13	5.4	4.5
''	Kanpur (Aerodrome)	0830	15	14.6	14.5
''	Sultanpur	0830	3	197	97
''	Azamgarh	0830	5	1993.8	993.8
446	Pathankot	0530	8	28.0	23.0
447	Sub.division	-	1	Punjab(India) (including Delhi)	Punjab (includin Delhi)
''	Ambala (P.B.C)	1130	4	1001.4	1001.9
''	Karnal	1730	23	9	0
''	Palam (Aerodrome)	2030	5	975.5	974.5
''	Palam (Aerodrome)	2030	23	1	3
448	Srinagar	0830	6	-2.3	+2.3
''	Mahajan	0830	1	Mahajan†	Mahajan *
''	Mahajan	1730	1	Mahajan ††	Mahajan **
''	Bikaner	0830	12	-44	-4
''	Jaisalmer	0830	5	Not clear	974.6
''	Jodhpur	0230	25	3	7
449	Sikar	0830	16	0	-
''	Bhilwara	1730	5	955.9	955.0
''	Jhalawar	0830	14	-0.2	-2.0
''	Jhalawar	0830	23	9	0
''	Gwalior	0530	8	Not clear	23.5
450	Gwalior	2030	1	Gwalior	Gwalior (Contd.)
''	Sheopur	1730	8	14.8	24.8
''	Shivpuri	0830	9	21.8	21.7
''	Bhopal (Bairagarh)	2030	9	21.8	21.9
''	Ujjain	0830	28	1	0
''	Indore	1130	28	4	0
''	Rajpur (Jhabua)	0830	9	22.7	22.8
''	Satna	1130	4	1002.8	1002.7
''	Rewa	0830	8	24.5	24.3
451	Jabalpur	1730	10	26.4	26.8
''	Jabalpur	2330	24	2	7
452	Porbander (Aerodrome)	1130	28	Blank	0
453	Dahanu	0830	6	Not clear	+1.9 (a)
454	Ozar	1730	13	5.2	5.2
''	Poona (Aerodrome)	2330	7	Not clear	22.1
''	Aurangabad	1730	5	939.0	939.3
''	Aurangabad (Chikalthan)	1730	8	Not clear	22.2
455	Akola Aerodrome	1130	19	Blank	1
''	Yeotmal	1730	11	61	66
456	Mahbubnagar	1730	7	29.2	29.6
''	Anantapur	2330	9	Not clear	21.1
457	Sub-division	2030	1	Madras(Minnmbakam)	Madras(Minambakam
457	Salem	1730	21	Blank	0

ge	Item/Station	Hour	Column	For	Read
ble III (Contd.)					
'	Tiruchchirappalli	0530	10	21.9	24.9
	Tiruchchirappalli	0530	25	Not clear	22
	Madurai Aerodrome	1130	4	Not clear	1007.5
458	Bangalore	0830	6	-0.5	+0.5
9	Cochin (Naval Air Station)	1130	28	1	0
	Amini, Agathi, Androth and Minicoy	-	1	-	Delete the mark '†' against the station.
	Foot note	-	-	-	Delete the foot-note.
0	Dharmsala	0830	14	-.1	-1.1
	Darjeeling	0830	14	+0.6	+0.5
	Kohima	0830	5	86.3	861.3
	Shillong	0830	13	7.8	7.6
	Shillong	0830	14	+1.1	+1.0
	Pachmarhi	0830	4	1470.5	1470.4
	Pachmarhi	1730	20	3	0
	Kodaikanal	1130	15	2.7	7.2
	Tilaiya	1730	9	23.2	23.1
1	Durgapur	0830	16	6	0
	Gorkha	1130	26	Blank	1
	Gorkha	1730	26	Blank	0
2	Hour	1730	2	-	1730 hrs. against height 146 m. is meant for Angbung.
	Barahakshetra	-	-	-	All data may be read in order against 0830;1130 and 1730 hours.
	Gangtok	1130	21 and 28	-	0 and 0
	Gangtok	1730	21 and 28	-	0 and 0
	Gezing	1730	9	19.8	18.8

ge	Station	Hour	Level	Item	Wrong entry	Correct entry
ble IV to VI - Upper Air Data						
5	Ahmadabad	1130	7.2	D	144	114
	Allahabad	1730	6.0	V	8.0	5.0
6	Asansol	2330	2.1	V	2.5	5.5
7	Begampet	0530	6.0	V	7.5	5.7
8	Bhubaneshwar	0530	9.0	v	11.5	12.5
	Bhubaneshwar	2330	1.5	V	2.9	7.9
9	Bombay	0530	Sur-face	n	30	31
1	Gauhati	0530	7.2	D	253	353
2	Gwalior	2330	0.15 a.g.	v	2.5	2.6
3	Jabalpur	1730	6.0	D	003	093
	Jagdalpur	0530	3.0	n	10	19

....14

Page No.	Station	Hour	Level	Item	Wrong entry	Correct entry
Table IV to VI - Upper Air Data (Contd.)						
473	Jagdalpur	0530	3.6	v	2.2	3.2
"	Jaipur	2330	Surface	v	9.5	0.5
"	Jamshedpur	0530	6.0	D	386	086
474	Lucknow	1730	1.5	D	277	297
"	Lucknow	1730	2.1	n	27	26
"	Madras	0530	Surface	D	297	267
"	Madras	1130	0.6	D	219	289
"	Madras	1730	5.4	n	81	31
475	Minicoy	1130	1.5	D	300	303
"	New Delhi	0530	0.3	v	.1	3.1
478	Veraval	2330	3.0	D	002	032
480	Allahabad	1730	12.0	v	2.6	6.6
"	Bombay	0530	18.0	V	23.3	23.0
"	Bombay	1730	14.1	v	27.3	27.0
"	Calcutta	0530	21.0	v	71.2	17.2
"	Gangtok	0830	10.5	v	12.1	12.8
"	Jodhpur	0530	12.0	n	15	25
481	Minicoy	0530	10.5	v	16.0	14.0
"	Minicoy	1730	16.2	V	25.3	15.3
"	Nagpur	1730	21.0	v	14.3	14.0
"	New Delhi	0530	14.1	n	19	29
"	Trivandrum	0530	21.0	D	033	093
"	Trivandrum	1730	16.2	n	21	22
"	Vijaywada	1730	10.5	V	16.0	16.8
"	Vishakhapatnam	0530	16.2	D	072	092
483	Bangalore	00 GMT	30 mb.	Ht.	24378	24278
"	Bombay	00 GMT	700 mb.	n	00	30
486	Ahmedabad	12 GMT	1000 mb.	Max.	304	- Shift temp ture one l below. e.g read maxi temperatu 1000 mb. a that for 9 mb. and so
"	Bombay	12 GMT	900 mb.	Ht.	1968	968
"	Calcutta	12 GMT	900 mb.	Ht.	1940	940
"	Calcutta	12 GMT	400 mb.	Max.	267	266
"	Gauhati	12 GMT	100 mb.	Min.	200	195
"	Gauhati	12 GMT	60 mb.	Mean	200.8	205.8
487	Jodhpur	12 GMT	850 mb.	Ht.	1463	1453
"	Minicoy	12 GMT	Surface	Pr.	1009	1008

ge	Item/Station	Four	Column	For	Read
PTEMBER 1965					
ble I - Sub-division					
1	15. Rajasthan East	-	2	+12.7	-12.7
	16. Madhya Pradesh West	-	8	+1.2	-1.2
ble II					
2	Car Nicobar	-	8	21.8	21.7
	Car Nicobar	-	10	286.1	186.1
	Gohpur	-	11	228.	228.8
	Tura	-	11	278.6	268.6
	Malda	-	2	32.7	32.2
	Midnapore	-	5	14;1	14,17
	Midnapore	-	16	-0.1	+0.1
	Foot note	-	-	(Not clear) Mean of 25 days.	(e) Mean of 26 days.
3	Daltonganj	-	13	0	-
	Chaibasa	-	14	67	6
	Forbesganj	-	2	3.1	31.1
	Sultanpur	-	17	.7	6.7
	Foot note	-	-	(c) Mean or total of 29 days.	(c) Mean or total for 28 days.
4	Mandi	-	16	-9	-8.9
	Srinagar	-	5	1	14
	Qazigund	-	20(b)	3	4
	Foot note	-	-	Blank	(b) Mean or total for 29 days.
5	Jodhpur	-	6	27.7	22.7
	Barmer	-	19	-10.5	-0.5
	Rajgarh	-	4	6.3	36.3
	Indore	-	18	6.8	16.8
	Betul	-	13	54.4	55.4
	Pendra	-	4	3.6	31.6
	Champa	-	2	3.6	31.6
	Champa	-	13	190.9	199.0
	Kanker	-	10	97.7	79.7
	Kanker	-	24	1	0
	Jagdalpur	-	10	0.1	50.1
	Jagdalpur	-	12	-27.7	-72.7
	Jagdalpur	-	24	5	0
	Foot note	-	-	(g) Mean of 30 days.	(g) Mean of 24 days.
	Foot note	-	-	Blank	(h) Mean of 23 days.
	Foot note	-	-	(c) Mean of 23 days.	Blank.
6	Parbhani	-	11	02.2	92.2
	Bir	-	23	4	1
	Foot note	-	-	Blank	(g) Mean of 24 days.
	Foot note	-	-	(e) Mean of 26 days.	Blank.
	Foot note	-	-	(m) Total for 18 days.	Blank.

Page	Item/Station	Hour	Column	For	Read
Table II (Contd.)					
497	Heading	-	17	Mean between 1839-1739 hours.	Mean between 08 1730 hours IST.
''	Kakinada	-	17	12.9	12.0
''	Madras (Minambakkam)	-	28	0	2
498	Agumbe	-	11	120.9	645.0
''	Agumbe	-	13	31.2	87.0
''	Agumbe	-	15	7	22
''	Agumbe	-	20(a)	2	0
''	Agumbe	-	20(b)	22	24
''	Agathi	-	13	15.8	25.1
''	Lokpal	-	21	0	-
''	Lokpal	-	22	0	-
''	Nainital	-	3	-0.1	+0.1
''	Darjeeling	-	4	23.5	23.4
''	Shillong (appearing as 'Darjeeling' after Kohima.)	-	1	Darjeeling	Shillong (b)
''	Shillong	-	17	1.4	1.4
''	Foot note	-	-	Blank	(b) Mean of 29
''	Foot note	-	-	(i) Mean of 19 days.	Delete.
499	Punasa	-	1	Punasa	Punasa (R)
''	Foot note	-	-	(d) Total for 27 days.	Delete the foot note.
500	Gezing	-	8	3.5	13.5
Table III					
501	Kondul	0830	13	6.1	6.2
''	Jorhat Aerodrome	1130	28	2	0
''	Foot note	-	-	Blank	(i) Mean of 23
''	Foot note	-	-	(a) Mean of 30 days.	Delete.
''	Gauhati	-	-	-	Gauhati*
''	Foot Note	-	-	*Data not reliable.	Delete.
''	Foot note	-	-	(f) Mean of 25 days.	Delete.
''	Foot note	-	-	(R) Register not received.	Delete.
502	Tura	1730	17	Blank	0
''	Bagdogra	1730	26	1	0
''	Cooch Behar	0830	4	1006.3	1007.3
503	Asansol	2330	5	990.8	990.9
''	Barrackpore Aerodrome	2330	28	1	0
''	Calcutta (Dum Dum)	1430	17	0	1
''	Calcutta (Dum Dum)	2330	28	1	0
''	Jharsuguda	0230	28	-	0
504	Balasore	0830	12	+0	0
''	Cuttack	0830	24	1	4

...

ge	Item/Station	Hour	Column	For	Read
ble III (Contd.)					
04	Bhubaneswar	0530	11	85	95
'	Ranchi Aerodrome	0530	24	Blank	2
'	Ranchi Aerodrome	2030	18	Blank	9
'	Ranchi Aerodrome	2030	19	Blank	0
'	Ranchi Aerodrome	2030	22	Blank	5
'	Jamshedpur	0830	19	Blank	0
'	Jamshedpur	0830	23	Blank	2
'	Jamshedpur	0830	25	Blank	6
'	Jamshedpur	0830	26	Blank	5
'	Jamshedpur	0830	27	Blank	6
'	Jamshedpur	1730	20	Blank	2
'	Jamshedpur	1730	22	Blank	6
'	Foot note	-	-	Blank	(b) Mean of 29 days.
05	Sub-division and station	-	1	Bihar Plains	Bihar Plateau (Contd.)
'	Sub-division and station	-	1	Blank between Chaibasa and Motihari.	'Bihar Plains' between Chaibasa and Motihari.
'	Darbhanga	1730	28	1	0
'	Gaya	0530	24	8	4
06	Kanpur (Aerodrome)	2330	28	0	1
'	Allahabad (Bamrauli)	0230	2	2030	0230
'	Allahabad (Bamrauli)	0230	28	1	0
'	Allahabad (Bamrauli)	1130	28	-	0
'	Allahabad (Bamrauli)	1430	28	-	0
'	Varanasi	0830	24	4	7
'	Varanasi	1730	24	7	4
07	Dehra Dun	2330	26	Not clear	0
'	Agra	1730	7	31.8	31.6
'	Agra (Aerodrome)	0530	4	1005.2	1004.2
08	Sub-division and station	-	1	Punjab (India) (Including Delhi) (Contd.)	Punjab (Including Delhi) (Contd.)
'	Ambala (Aerodrome)	0530	19	-	1
'	Ambala (Aerodrome)	1130	15	3.7	13.7
'	Ambala (Aerodrome)	2330	22	0	2
'	Patiala	0830	22	2	6
'	Patiala	1730	22	6	1
'	Hissar	2330	27	1	12
'	Srinagar	0830	14	-2	-1.2
'	Srinagar	1130	15	1.9	1.3
'	Srinagar	1430	15	1.6	1.9
09	Srinagar	1730	6,12,14	+0.8,-6.[illegible],-1.2	-,-,-
'	Srinagar (Aerodrome)	0830	22	6	5
'	Mahajan	1730	11	36	38
'	Churu	0830	28	2	0
'	Churu	1730	8	22.8	21.7
'	Churu	1730	15	3.3	13.3
'	Nagaur	0830	8	42.0	24.0
'	Nagaur	0830	11	22	62
'	Jodhpur	0230	1	[illegible] 0230 (d)	[illegible] 0230 (P) (o)
'	Jodhpur	2030	15	11.5	11.5

Page	Item/Station	Hour	Column	For	Read
Table III (Contd.)					
509	Munabao	0830	2	8830	0830
''	Foot note	-	-	(f) Mean of 29 days.	(f) Mean of 25 days.
''	Foot note	-	-	[illegible]	[illegible] days.
''	Foot note	-	-	[illegible]	**Observatory [illegible] on 3.
510	Alwar	1730	21	6	0
''	Kota (Aerodrome)	2330	24	1	8
''	Chambal (Rawat Bhatta Dam)	1730	10	24.4	24.0
''	Shivpuri	0830	5	94.8	954.8
''	Guna	1130	8	Not clear	23.9
''	Guna	1130	26	12	13
511	Umaria	1730	4	1002.8	1002.5
512	Jashpurnagar	0830	3	779	779*
''	Mandla	0830	3	543	443
''	Champa	0830	1	Chamka	Champa
''	Champa	0830	25	0	9
''	Foot note	-	-	Blank	* Height calcul provisionally
513	Surendranagar	0830	10	26.6	26.9
''	Keshod	1730	5	1001.8	1000.8
''	Veraval	1730	22	Blank	0
''	Veraval	2330	26	0	10
514	Bombay (Santacruz)	2330	2	0330	2330
''	Deolali (Aerodrome)	0830	22	1	0
''	Deolali (Aerodrome)	0830	23	1	0
''	Deolali (Aerodrome)	1730	9	19.7	20.7
''	Deolali (Aerodrome)	1730	17	0	9
''	Deolali (Aerodrome)	1730	23	0	1
''	Ahmadnagar	0830	9	20.7	19.7
''	Foot note	-	-	Blank	(b) Mean of 29
''	Foot note	-	-	(f) Mean of 25 days.	Delete.
515	Aurangabad (Chikalthan)	2330	23	0	1
''	Foot note	-	-	Blank	(b) Mean of 29
516	Vishakhapatnam	0830	14	0.7	-0.7
''	Gannavaram	0230	3	,,	24
517	Anantapur	0830	14	0.0	0
''	Vellore	0830	14	+0.1	+1.0
''	Foot note	-	-	'R' (Register not received)	Delete
518	Cuddalore	2330	24	1	5
''	Tiruchchirappalli	2330	19	10	0
''	Madurai (Aerodrome)	1130	5	953.6	993.6
''	Foot note	-	-	(b) Mean of 29 days.	Delete.
519	Raichur	1730	4	1008.5	1003.5
''	Belgaum (Samra)	1130	4	1008.	1008.7
''	Gadag	0530	1	Galag	Gadag
''	Agumbe	0830	3	,,	-
''	Balehonnur	0830	3	,,	-
''	Hassan	0830	10	22.1	21.1
''	Mysore	1730	4	1005.0	1005.9
''	Mysore	1730	22	Blank	1

age	Item/Station	Hour	Column	For	Read
able III (Contd.)					
20	Punalur	1730	24	0	1
"	Trivandrum	1730	15	10.5	10.3
"	Amini	0530	2	Blank	0530
"	Amini	0530	3	Blank	4
"	Amini	0530	4	Blank	1008.8
"	Amini	0530	5	Blank	1008.4
"	Amini	0530	6	Blank	-
"	Amini	0530	7	Blank	26.9
"	Amini	0530	8	Blank	25.4
"	Amini	0530	9	Blank	24.7
"	Amini	0530	10	Blank	31.1
"	Amini	0530	11	Blank	88
"	Amini	0530	12	Blank	-
"	Amini	0530	13	Blank	4.1
"	Amini	0530	14	Blank	-
"	Amini	0530	15	Blank	24.7
"	Amini	0530	16	Blank	0
"	Amini	0530	17	Blank	22
"	Amini	0530	18	Blank	8
"	Amini	0530	19	Blank	4
"	Amini	0530	20	Blank	0
"	Amini	0530	21	Blank	0
"	Amini	0530	22	Blank	0
"	Amini	0530	23	Blank	0
"	Amini	0530	24	Blank	0
"	Amini	0530	25	Blank	10
"	Amini	0530	26	Blank	16
"	Amini	0530	27	Blank	0
"	Amini	0530	28	Blank	0
"	Amini	0830	2	Blank	0830
"	Amini	0830	3	Blank	,,
"	Amini	0830	4	Blank	1010.6
"	Amini	0830	5	Blank	1010.2
"	Amini	0830	6	Blank	-
"	Amini	0830	7	Blank	27.5
"	Amini	0830	8	Blank	25.7
"	Amini	0830	9	Blank	25.0
"	Amini	0830	10	Blank	31.5
"	Amini	0830	11	Blank	86
"	Amini	0830	12	Blank	+5
"	Amini	0830	13	Blank	5.3
"	Amini	0830	14	Blank	+0.3
"	Amini	0830	15	Blank	23.4
"	Amini	0830	16	Blank	0
"	Amini	0830	17	Blank	20
"	Amini	0830	18	Blank	10
"	Amini	0830	19	Blank	4
"	Amini	0830	20	Blank	0
"	Amini	0830	21	Blank	0
"	Amini	0830	22	Blank	0
"	Amini	0830	23	Blank	0
"	Amini	0830	24	Blank	0
"	Amini	0830	25	Blank	7
"	Amini	0830	26	Blank	19
"	Amini	0830	27	Blank	0

Page	Item/Station	Hour	Column	For	Read
Table III (Contd.)					
520	Amini	0830	28	Blank	0
"	Dalhousie	0830	28	0	2
"	Dalhousie	1730	28	0	2
"	Dharamsala	0830	7	17.6	24.1
"	Dharamsala	0830	15	10	1.0
"	Dharamsala	1730	7	24.1	25.4
"	Simla	0830	7	25.4	17.0
"	Simla	0830	14	-	-0.7
"	Simla	1730	7	17.0	17.5
"	Simla	1730	14	-0.7	-
"	Lokpal	0830	7	17.5	5.9
"	Badrinath (R)	0830	7	5.9	-
"	Mussoorie	0830	27	12	23
"	Mukteswar (Kumaon)	0830	4	1337.1	3137.1
"	Mukteswar (Kumaon)	1730	4	1324.8	3124.8
"	Nainital	1730	4	1404.1	1440.1
"	Darjeeling	0830	7	16.4	16.9
"	Darjeeling	1730	7	20.5	16.4
"	Darjeeling	1730	24	0	8
"	Kohima	0830	7	20.9	20.5
"	Kohima	1730	24	1	0
"	Kohima	1730	25	26	1
"	Kohima	1730	26	1	26
"	Shillong	1730	11	8.8	88
"	Shillong	1730	16	-	0
"	Shillong	1730	17	-	0
521	Pachmarhi	0830	17	2	0
"	Kodaikanal	0830	17	0	2
"	Kodaikanal	1130	17	0	1
"	Kodaikanal	1730	17	2	0
"	Katmandu	0830	17	1	0
"	Punasa	0830	2	0830	(R)0830
"	Punasa	1730	2	1730	(R)1730
522	Nuwakot	0830	2	0330	0830
"	Butwal	0830	8	24.3	24.8
"	Chainpur	0830	10	22.4	22.5
"	Chainpur	1730	7	22.4	22.5
"	Gangtok	1730	23	4	3

Page	Station	Hour	Level	Item	Wrong entry	Correct entry
Tables IV to VI Upper Air Data						
524	Bhubaneshwar	-	-	Date of opening	7th Dec.	17th De
526	Ambala	2330	3.0	D	227	327
526	Asansol	0530	0.6	D	335	235
528	Bhopal	0530	9.0	V	13.9	13.0
529	Bikaner	2330	0.3	V	6.7	7.3
529	Calcutta	1730	9.0	V	5.	5.3
529	Calcutta	1730	9.0	v	.2	2.2
530	Gangtok	0830	4.5	D	130	180

age	Station	Hour	Level	Item	Wrong entry	Correct entry
ables IV to VI - Upper Air Data						
30	Gangtok	0830	5.4	V	9.9	9.0
31	Gauhati	1730	9.0	V	10.7	10.8
31	Gaya	0530	4.5	n	10	16
31	Goa	2330	0.6	V	.0	8.0
32	Gorakhpur	0530	5.4	D	258	268
32	Gwalior	1130	0.9	D	339	319
32	Jabalpur	0530	5.4	D	397	307
33	Jagadalpur	0530	1.5	D	309	308
33	Jagadalpur	0530	3.0	D	230	330
33	Jagadalpur	0530	9.0	D	236	237
33	Jagadalpur	2330	Surface	n	0	30
33	Jharsuguda	0530	1.5	D	05	015
35	Minicoy	0530	0.9	n	23	28
35	Minicoy	1130	0.9	n	23	28
35	Minicoy	2330	3.6	v	2.9	2.8
35	Nagpur	1130	2.1	D	00	008
35	Nagpur	2330	Surface	V	1.	1.8
35	Nagpur	2330	Surface	D	3 9	309
35	New Delhi	0530	Surface	D	27	278
35	New Delhi	0530	3.0	D	33	338
36	New Delhi	1130	0.6	n	2	28
36	Poona	0530	0.9	D	2 5	285
36	Poona	0530	6.0	D	055	005
36	Port Blair	0530	3.0	v	6.	6.8
36	Port Blair	0530	9.0	v	5	5.5
36	Port Blair	1130	3.0	D	23	238
36	Raipur	0530	1.5	D	3 9	349
36	Raipur	0530	7.2	D	056	057
36	Raipur	1730	1.5	V	7.	7.8
37	Trivandrum	0530	0.3	V	.4	8.4
37	Trivandrum	0530	2.1	V	8.8	8.9
37	Trivandrum	0530	7.2	D	102	110
37	Trivandrum	0530	9.0	D	10.2	102
37	Trivandrum	1730	3.0	D	207	297
40	Ahmadabad	1130	18.0	V	9.0	6.0
41	Madras	1130	12.0	n	-	1
41	Port Blair	0530	18.0	V	130	18.0
41	Port Blair	1730	16.2	v	31.8	31.1
41	Vijaywada	0530	18.0	v	3.3	3.0
43	Ahmedabad	00 GMT	Surface	Pressure	1006	1000
43	Ahmedabad	00 GMT	400 mb.	Max.	267	264
44	Nagpur	00 GMT	50 mb.	Min.	04	204
45	Trivandrum	00 GMT	250 mb.	Ht.	10692	10962
46	Gauhati	12 GMT	150 mb.	Ht.	14431	14413
47	Minicoy	12 GMT	300 mb.	Ht.	970	9705

Registered No. MH-75

INDIA WEATHER REVIEW, 1965

Monthly Weather Report

July

Published by authority of the Government of India

Chief features :

(i) Further extension of the monsoon to cover the entire country by the middle of the month;

(ii) Formation of two deep depressions in the Bay of Bengal and one depression over northwest Madhya Pradesh;

(iii) Increased monsoon activity over the country during the second fortnight;

(iv) Heavy rains leading to floods in northeast India and west Madhya Pradesh.

The well marked low pressure area over East Pakistan and adjoining Gangetic West Bengal on the last day of June moved westnorthwestwards and lay over Rajasthan on 4th July. Later it moved northwards and became less marked. It finally moved away northeastwards as an upper air trough across the Western Himalayas by 6th. Under its influence, the monsoon advanced into Gujarat State and southeast Rajasthan and extended further into Madhya Pradesh and Uttar Pradesh by the end of the first week. The monsoon was also active in Gangetic West Bengal and along west coast and the rainfall over the remaining parts of the country was well distributed. Some of the heavy rainfalls recorded were : Dahanu 14 cm, Pasighat and Malda 13 cm each and Fort Cochin 12 cm on 1st, Bankura 13 cm and Calcutta 12 cm on 2nd, Contai 13 cm on 3rd and Pasighat 13 cm on 4th. The axis of the monsoon trough shifted northwards and lay close to the foot of the Himalayas from 6th to 10th and the heavy rains in the northern parts of northeast India continued till 11th. Bagdora recorded 15 cm of rain on 6th, Cooch Behar 13 cm on 7th, Dhubri 18 cm on 10th. According to press reports, most of the rivers in Assam, Sub-Himalayan West Bengal and Bihar Plains rose in spate and inundated vast areas particularly in Jorhat subdivision and in Darbhanga and Jalpaiguri districts.

A western disturbance which lay over the northern divisions of West Pakistan on 2nd moved away eastwards across the extreme north of the country by 4th. Under its influence. a few showers occurred in the Western Himalayas. In association with the northward movement of the low pressure area mentioned earlier and the subsequent shift of the axis of the monsoon trough to the foot of the Himalayas, there was good thundershower activity over the Western Himalayas and adjoining plains during the second week. Chandigarh recorded 7 cm of rain on 9th and Ludhiana 7 cm and Ferozepur 10 cm on 10th and Mussoorie 14 cm on 14th. Due to the steep surface pressure gradient prevailing over Rajasthan and the adjoining plains of the Punjab there were strong dust raising winds with isolated duststorms there in the early part of the second week. According to news paper, vehicular traffic was seriously disrupted in Bikaner and the surrounding areas.

The eastern half of the monsoon trough shifted southwards to the north Bay of Bengal on 11th and a depression formed over the northwest Bay with centre near Lat. 19.0°N and Long. 87·0°E on the morning of 13th. Moving slightly westwards it intensified into a deep depression by the next morning and crossed coast near Gopalpur during the same day. It weakened into a depression by the morning of 15th when it was centred about 100 kms southwest of Kanker. Thereafter, it moved northwestwards' weakened further and merged into the seasonal trough of low pressure by 17th. Under its influence, the monsoon activity which had been generally feeble over the country revived particularly over the north Peninsula, west coast and Gujarat State. The monsoon also advanced further westwards and covered the entire country by 17th which is about the normal date of onset over West Rajasthan. Some of the noteworthy amounts of rainfall recorded during this spell were : Nander 18 cm, Bidar 17 cm, Ratnagiri 16 cm and Karwar 15 cm on 15th, Bombay (Santacruz) 37 cm, Dahanu 29 cm, Mahabaleshwar 28 cm, Bidar 27 cm, Khandala 26 cm and Nander and Bomby (colaba) 15 cm each on 16th, Broach 22 cm, Dahanu 16 cm and Ludhiana and Patiala 15 cm each on 17th. According to press reports a number of rivers in Maharashtra State were in spate affecting road traffic.

"Copyright © 1965 by the Manager of Publications, Govt. of India, Delhi-6."

1—10 D.D.G. obs. Poona'65

A low pressure area formed over Orissa on the 19th. Moving westwards across the central parts of the country, it lay over Gujarat State on 21st. Later it moved northwestwards, weakened and merged into the seasonal low by 23rd. Under its influence, the monsoon continued to be active generally over the entire country. Some of the very heavy rainfalls recorded were : Phulbani 16cm on 19th, Khandala 30 cm, Bhira 28 cm, Mahabaleshwar 26 cm and Panjim (Goa) 19 cm on 20th, Bombay (Santacruz) 15 cm on 20th and 21 cm on 21st and Bombay (Colaba) 17 cm on 21st. The heavy rainfall belt shifted to the Punjab and Uttar Pradesh at the beginning of the last week when the western half of the axis of the monsoon trough shifted northwards. Dehra Dun recorded 12 cm of rain and Banda 10 cm on 25th and Sultanpur 11 cm on 26th.

A low pressure area developed over the north Bay of Bengal on 25th and intensified into a depression on the morning of 26th with centre near Lat. 21·0°N and Long 89.5°E. Moving westnorthwestwards it further intensified into a deep depression by the next morning and crossed coast near Balasore by the evening of 27th. Thereafter it moved northwestwords and weakened into a low pressure area over Bihar Plateau on 28th. It weakened further and became unimportant over east Uttar Pradesh by 30th. Another low pressure area developed over west Madhya Pradesh on 29th. It moved slightly northwards and intensified into a depression by the morning of 31st with centre near Gwalior. Under the influence of these two systems, the monsoon activity was evenly maintained up to the end of the month with good rainfall in Gujarat State, Rajasthan and along the west coast. Some of the noteworthy amounts of rainfall reported during this spell were : Chandbali 15 cm on 27th, Bhopal 18 cm on 28th, Jamshedpur 19 cm and Idar 16 cm on 29th, Mangalore 17 cm on 30th and Abu 32 cm, Goa 17 cm and Lucknow 16 cm on 31st. According to press reports a number of rivers in Orissa and adjoining Bihar State were in spate causing inundation of low lying areas. Road and rail traffic in and around Bhopal were also reported to have been dislocated due to heavy rains.

The total rainfall for the month was in large excess in west Rajasthan, Madhya Maharashtra and Telangana, in moderate excess in Marathwada and north Interior Mysore and in slight excess in Sub-Himalayan West Bengal, Orissa, Gujarat Region and the Kokan. It was normal in the Bay Islands, south Assam, Gangetic West Bengal, Bihar State, west Uttar Pradesh, the Punjab, east Rajasthan, Saurashtra and Kutch, coastal Andhra Pradesh and south Interior Mysore. It was in slight defect in north Assam, west Madhya Pradesh, Vidarbha, Rayalaseema, the Madras State and coastal Mysore, in moderate defect in east Uttar Pradesh, east Madhya Pradesh, Kerala and the Arabian Sea Islands, and in large defect in Jammu and Kashmir.

The mean maximum temperature was above normal in east Uttar Pradesh, and Madhya Pradesh, and normal over the rest of the country. The mean minimum temperature was below normal in south Assam, Orissa, Bihar Plains, Jammu and Kashmir, west Rajasthan and Telangana and normal over the rest of the country.

The mean relative humidity in the morning was above normal in north Interior Mysore and below normal in Jammu and Kashmir. It was normal over the rest of the country.

The mean cloud amount in the morning was normal over the country.

Table I contains the divisional and sub-divisional means of rainfall, temperature, humidity and cloud amount for the 15 chief political divisions and the 32 sub-divisions. The stations whose observations are used for preparing these means are given in the subsequent tables.

The highest maximum temperature given for any station in the accompanying tables is that recorded within the 24 hours ending at 0830 hrs. I.S.T. of the date noted in the succeeding column; similarly the heaviest rainfall in 24 hours for any station denotes the amount recorded during the 24 hours ending at 0830 hrs. I.S.T. of the date given in the succeeding column.

POONA 5;
The 20th September, 1965.

R. ANANTHAKRISHNAN
for *DIRECTOR GENERAL OF OBSERVATORIES*

NOTE : Description in respect of Himachal Pradesh is not included for want of normals.

	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative humidity in %		Cloud	
					0830 hrs. I.S.T.	1730 hrs. I.S.T.	030 hrs. I.S.T.	1730 hrs. I.S.T.
1	2	3	4	5	6	7	8	9
Division								
1. Assam (Including NEFA, Nagaland, Manipur, Tripura)	357.8	91	31·4	23·7	85	79	7·1	6·3
	—30.9		+0·1	—1·1	0		+0·4	
2. West Bengal .	461.8	110	31·5	25·1	85	80	6·3	5·8
	+41.2		—0·2	—0·7	+1		—0·2	
3. Orissa . .	397.4	122	31·1	24·0	83	81	6·8	6·8
	+43.8		+0·5	—1·1	0		+0·5	
4. Bihar . . .	316·2	97	32·3	24·5	83	76	6·4	6·1
	—8·5		+0·4	—1·0	+1		+0·2	
5. Uttar Pradesh .	250·0	79	34·8	25·9	75	63	5·2	5·5
	—66·0		+1·3	—0·3	—5		—0·3	
6. Punjab (Including Delhi & Himachal Pradesh)	216·4	93	35·7	25·6	73	57	4·3	4·1
	—17·5		+0·1	—0·7	—1		—0·1	
7. Jammu and Kashmir.	54·5	43	27·7	14·9	63	57	4·0	4·5
	—70·9		—0·3	—1·5	—7		+0·3	
8. Rajasthan . .	186·1	121	35·4	25·7	73	53	5·1	5·0
	+31·9		+0·6	—0·5	0		+0·3	
Sub-Division								
1. Bay Islands .	421·4	108	29·4	23·7	81	85	7·2	7·3
	+29·5		+0·6	—0·2	—3		+0·6	
2. North Assam (Including NEFA)	354·0	88	31·7	24·6	86	79	7·3	6·2
	—47·2		+0·3	—0·5	+1		+0·6	
3. South Assam (Including Nagaland, Manipur & Tripura)	365·7	100	30·4	21·2	84	80	6·9	6·4
	+1·8		—0·2	—2·7	0		+0·1	
4. Sub-Himalayan West Bengal	818·5	119	30·8	24·8	87	79	6·8	5·1
	+132·2		—0·7	—0·5	+2		+0·7	
5. Gangetic West Bengal	332·0	103	31·7	25·2	84	80	6·2	6·0
	+8·1		—0·1	—0·8	0		—0·4	
6. Orissa . .	397·4	112	31·1	24·0	83	81	6·8	6·8
	+43·8		+0·5	—1·1	0		+0·5	
7. Bihar Plateau .	363·0	105	32·1	24·3	81	75	6·4	6·3
	+16·0		+0.9	—0·4	—1		0	
8. Bihar Plains .	288·1	93	32·4	24·7	84	76	6·4	6·0
	—23·1		—0·1	—1·5	+2		+0·3	
9. Uttar Pradesh East	229·8	68	35·1	26·3	76	64	5·5	5·7
	—101·8		+1·8	—0·1	—5		—0·1	
10. Uttar Pradesh West	295·2	96	34·3	25·3	75	63	4·6	5·1
	—12·2		+0·7	—0·6	—3		—0·7	
11. Punjab (India) (Including Delhi).	216·4	93	35·7	25·6	73	57	4·3	4·1
	—17·5		+0·1	—0·7	—1		—0·1	
12. Himachal Pradesh	268.6	..	32·5	20·3	83	65	4·8	5.5
	..		..	..	..		..	
13. Jammu and Kashmir.	54·5	43	27·7	14.9	63	57	4·0	4·5
	—70·9		—0·3	—1·5	—7		+0·3	
14. Rajasthan, West .	169·1	205	37·1	26·3	72	49	3·9	3·9
	+86·8		—0·1	—1·1	+3		—0·2	
15. Rajasthan, East .	203·1	90	34·1	25·3	73	57	6·0	6·0
	—23·1		+0·8	—0·1	—2		+0·6	
16. Madhya Pradesh, West	268·8	78	32·3	24·0	81	66	6·7	6·5
	—76.3		+1.6	+02	—3		+0.1	

	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative humidity %		Cloud	
					0830 hrs. I.S.T.	1730 hrs. I.S.T.	0830 hrs. I.S.T.	1730 hrs. I.S.T.
1	2	3	4	5	6	7	8	9
Division—*Contd.*								
9. Madhya Pradesh	269·7	71	31·9	23·9	81	69	6·6	6·6
	—110·1		+1·5	+0.2	—3		0	
10. Gujarat State (including Diu, Daman, & Dadra & Nagar Haveli)	300·2	111	32·5	25·5	85	73	6·4	6·1
	+28·8		+0·4	—0·3	+2		0	
11. Maharashtra State (including Goa)	531·9	117	30·3	23·0	83	72	6·6	6·9
	+78·5		+0·3	—0·3	+1		—0·1	
12. Andhra Pradesh .	198·3	125	32·8	24·6	75	63	6·4	6·5
	+39·2		—0·1	—0·5	0		0	
13. Madras State (including Pondichery)	46·8	88	35·0	25·2	62	51	5·4	5·9
	—6·5		+0·6	—0·1	—4		+0·6	
14. Mysore . .	334·0	94	28·2	21·1	85	73	6·8	6·8
	—21·4		—0·2	0	+2		+0·2	
15. Kerala .	367·9	68	29·2	23·5	89	80	6·4	6·5
	—171·5		+0·7	+0·1	—1		—0·5	
Sub-Division—*Contd.*								
17. Madhya Pradesh, East	270·8	64	31·3	23·9	81	73	6·6	6·7
	—153·1		+1.3	+0·1	—3		—0·1	
18. Gujarat Region .	399·1	116	32·5	25·1	85	70	6·5	6·1
	+55·5		+0·6	—0·2	0		—0·2	
19. Saurashtra and Kutch (including Diu)	245·3	106	32·5	25·8	85	75	6·3	6·1
	+14·0		+0·3	—0·4	+3		+0·1	
20. Konkan (including Goa)	925.2	113	29·0	24·5	89	87	6·9	7·2
	+105·5		—0·2	0	+3		—0·3	
21. Madhya Maharashtra.	465.1	151	30·1	21·9	82	68	6·6	7·0
	+156·5		+0·4	—0·3	+1		+0·3	
22. Marathwada .	242·9	129	30·9	22·1	79	63	6.3	6·7
	+54·9		0	—0·1	—1		—0·5	
23. Vidarbha . .	294·4	88	31·6	23·1	81	68	6·3	6·6
	—40·1		+0·9	—0·5	—2		—0·3	
24. Coastal Andhra Pradesh.	147·3	100	33·4	25·6	76	66	6·5	6·7
	—0·1		0	—0·3	0		+0·1	
25. Telangana . .	374·9	163	31·5	23·0	78	65	6·3	6·3
	+145·4		0	—1.1	—1		—0·3	
26. Rayalaseema (including Pondichery) .	81·9	89	33.4	24·2	70	53	6·4	6·3
	—10·6		—0·3	—0·2	0		+0·1	
27. Madras State .	46.8	88	35·0	25·2	62	51	5·4	5·9
	—6·5		+0·6	—0.1	—4		+0·6	
28. Coastal Mysore .	791·8	77	28·7	24·3	86	83	7.3	7·0
	—230·7		+0·4	+0.5	—3		+0·1	
29. Interior Mysore, North	240·9	140	29·0	21·1	87	71	7·1	6·9
	+69·3		—0·6	—0·2	+6		+1.1	
30. Interior Mysore, South	217·7	96	27·2	20·1	84	69	6·2	6·7
	—9·5		—0·1	0	+1		—0·6	
31. Kerala . .	376·9	68	29·2	23·5	89	80	6·4	6·5
	—171·5		+0·7	+0·1	—1		—0.5	
32. Arabian Sea Islands	154·1	59	29·9	25·4	81	78	5·9	6·1
	—108·5		+0 3	0·1	—1		+0.2	

Note:—The Entries in the second line for each division and sub-division indicate departures from normal

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust storm	Ground frost	Gale	Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 (a)	20 (b)	21	22	23	24	25	26	27	28
Bay Islands																													
Maya Bandar	29.7	..	31.1	5	24.5	..	22.2	2 ,23	130.0	418.4	..	57.4	31	17	..	22.9	17.9	..	0	25	0	0	1	0	0	0	0	0
Long Island	30.2	..	33.2	6	22.6	..	20.0	22	215.2	479.2	..	104.2	22	15	..	12.6	9.3	..	0	17	0	0	0	0	0	0	0	0
Port Blair	29.4	+0.6	30.4	6	23.7	−0.2	21.2	19	127.9	421.4	+29.5	94.6	19	16	+4.5	29.5	(a) 24.5	−1.1	1	24	0	0	9	0	0	0	0	6
Car Nicobar	31.3	..	31.3	4,17	24.6	..	22.2	19	57.2	253.6	..	79.8	19	10	..	9.3	6.0	..	0	13	0	0	1	0	0	0	0	0
Nancowry	29.8	..	31.5	6	25.7	..	21.9	19	110.6	163.2	..	87.2	19	5	..	13.3	11.2	..	0	13	0	0	2	0	0	0	0	0
Kondul	28.9	..	30.6	27	24.8	..	22.2	3	48.6	188.8	..	43.2	3	11	..	..	..	..	0	15	0	0	1	0	0	0	0	0
North Assam (including NEFA)																													
Pasighat	30.0	..	36.7	28	21.9	..	20.6	22	274.5	917.5	..	134.6	4	24	..	4.6	4.7	..	1	28	0	0	4	0	0	0	0	0
Dibrugarh (Mohanbari)	31.0	+0.6	36.1	28	24.0	−0.1	22.4	20	88.6	497.8	−38.7	81.2	14	22	+0.7	6.2	4.6	+0.7	0	28	0	0	16	0	0	0	0	0
Digboi	30.2	..	36·5	28	23.3	..	19.5	28	167.1	468.4	..	52.7	5	23	..	..	..	..	0	24	0	0	0	0	0	0	0	0
North Lakhimpur	31.1	+0 1	35.6	28	23.6	−1.0	22.4	19,25	57.4	472.2	−143.6	78.8	8	18	−4.1	8.7	6.1	..	0	26	0	0	5	0	0	0	0	0
Sibsagar	32.2	+0.4	35.0	28	25.1	−0.3	23.6	1	51.6	413.3	−43.6	66.3	11	21	+1.3	4.8	5.3	+1.8	1	25	0	0	15	0	0	0	0	0
Gohpur (R)																													
Majbat	31.8	..	34.5	14	24.7	..	21.8	19	31·4	303.0	..	95.1	19	13	..	7.9	4.9	..	0	17	0	0	0	0	0	0	0	0
Jorhat (Aerodrome)	32.4	..	35.2	28	24.7	..	22.4	10	62.3	354.5	..	70.2	24	20	..	..	..	..	0	27	0	0	20	0	0	0	0	0
T[illegible]la	32.0	..	35.1	19	..	..	..	..	10.2	87.4	..	25·1	19	7	..	7.5	4.9	..	0	7	0	0	0	0	0	0	0	0
T[illegible]ur	31.6	−0·3	34.7	14	25.1	−0.2	22.7	19	38.3	334.4	−112.8	44.6	19	15	−1.9	6.7	4.4	+1.7	1	20	0	0	0	0	0	0	0	0
Gola[illegible]ghat	32.0	..	34.6	28	24.0	..	22.7	25	70.2	277.8	..	46.2	25	17	..	..	..	..	0	21	0	0	0	0	0	0	0	0
Rangia	32.6	..	34.8	14	25.0	..	23.0	19	37 8	141.2	..	35.0	2	9	..	10.1	6.7	..	0	12	0	0	0	0	0	0	0	0
Chaparmukh	32.9	.	36.0	3,14	25.4	..	24.0	19,21	48.2	188.6	..	39.4	22	11	..	6·7	5.1	..	0	12	0	0	1	0	0	0	0	0
Goalpara	31.6	..	34.6	15,19	22.9		20.9	1	144.4	372.4	..	79.0	10	16	..	5.5	(i) 3.7	..	0	20	0	0	0	0	0	0	0	0
Gauhati	32.1	..	35·2	7 days	24·5	−1.2	20.4	19, 29,30	..	122.1	−189.3	21.0	29	11	−4.3	..	..	..	0	11	0	0	0	0	0	0	0	0
Gauhati (Bhorior)	31·8	+0 2	34.4	14	25.5	+0.3	24.4	24	172.4	369 6	−57.7	103.6	10	14	−1.1	9.5	6.3	..	1	18	0	0	14	0	0	0	0	0
Dhubri (Rupsi)	30.6	..	33.7	14	24.9	..	23.7	7 8	267·0	490.5	..	107.3	29	16	..	(f) 8.6	(e) 7.1	..	0	21	0	0	3	0	0	0	0	0
Dhubri	31 0	+1 0	33.9	15,16	24.3	−1.4	21.5	18	216.3	533.1	+96 5	247.3	10	14	−2.1	9.1	9.8	+3.8	0	18	0	0	2	0	0	0	0	0
Lumding	32.9	0	36.6	14,15	24.7	0	23.3	15	(a) 65.0	189.2	−3.6	33.0	19	10	−1.5	6·5	4.1	..	0	11	0	0	0	0	0	0	0	0
South Assam (including Nagaland, Manipur & Tripura).																													
Tura	28.7	..	31.0	27	23.8	..	23.0	2	182.9	543.4	..	91.4	10	22	..	4.8	4.7	..	1	28	0	0	0	0	0	0	0	0
Haflong	25.7	..	30.4	13,15	19.7	..	18.9	22	54·2	291.1	−9.3	44.1	19	16	−2.9	8.6	7.6	..	0	22	0	0	2	0	0	0	0	0
Silchar (Kumbhirgram).	31.6	..	35.5	15,22	24.1	..	23.2	3	96.3	593.6	..	86.0	24	21	..	7.1	6.5	..	1	25	0	0	6	1	0	0	0	0
Silchar	32.3	0	36 5	14	20.7	−4.4	19.0	8	139.8	462.9	−58.3	97.6	19	23	+0.8	2.9	1.9	−0.	0	25	0	0	7	0	0	0	0	0
Imphal (Tulihal)	28.3	−0.1	30 9	16	19.5	−2.3	18.3	13,14	62.1	222.9	−49.6	37.5	3	14	−3.7	7.7	5.8	−0.7	1	25	0	0	5	0	0	0	0	0
Kailashahar	31.2	..	34 1	13	24.5	..	22.6	8	154.7	416 3	..	82.0	14	20	..	6.5	5.2	..	0	23	0	0	12	0	0	0	0	0
Agartala	30.7	−0.5	33.9	27	23.5	−1.3	21.9	8	121.1	484.9	+104.4	94.2	6	19	+2.4	10.0	8.5	−1.0	2	25	0	0	13	0	0	0	0	0
Sub-Himalayan West Bengal.																													
Baghdogra	30.8	−0.2	34.3	14	24.3	−0.4	22.1	8	11 ·4	958.3	+109.8	150.8	6	23	+0.1	14.5	11.5	+4.0	1	26	0	0	10	0	0	0	0	0
Jalpaiguri	30.2	−1.2	33.9	28	24.3	−0.9	23.3	8	191 8	106.36	+245.2	160.0	23	21	−1.3	10.9	8.1	+4.9	0	23	0	0	7	0	0	0	0	0
Cooch Behar	30.6	..	33.8	14	24.3	..	22.9	8	156.2	655.8	−130.8	134.6	7	20	−0.5	6.7	4.9	..	1	23	0	0	11	0	0	0	0	0
Baiurghat	31 6	..	34 0	23	24 8	..	22.7	30,31	69.3	318.8	..	94.0	29	13	..	9.5	7.5	..	0	15	0	0	0	0	0	0	0	0
Malda	31.5	−0.6	33 9	26	25 8	−0.3	23.7	9	155.4	596.4	+304.8	129.2	1	17	+2.2	4.5	3.3	−4.7	0	22	0	0	12	0	0	0	0	0
Gangetic West Bengal.																													
Berhampore	32.2	+0.1	35.3	8	25 0	−1.1	23.0	2	74.4	411.9	+135.8	103.8	1	15	−1.1	7.5	5.9	+0.4	0	19	0	0	3	0	0	0	0	0
Suri	31.9	..	34.9	6	24.4	..	21.8	1	..	219.5	..	29.5	2	16	..	..	7.2	..	0	25	0	0	1	0	0	0	0	0
Asansol	32.2	+0 1	35.2	23	25.1	−0.3	22.3	10	88.4	400.1	+52.4	93.3	1	19	+1.3	10.9	8.8	+0.9	0	25	0	0	16	0	0	0	0	0
Shanti Niketan	32.0	..	35.1	8	25.3	..	22.8	1,2	81.2	420.9	..	74.9	24	14	..	12.5	10.8	..	1	21	0	0	15	0	0	0	0	0
Krishnanagar	..	..	..	..	..	..	..	..	117.2	268.1	−17.6	56.2	1	16	−0.3	9.2	7.7	+1.9	0	20	0	0	7	0	0	0	0	0
Purulia	31.7	0	35.1	24	24.2	−0.8	21.8	10	123.1	363.1	+24.3	68.2	29	18	−0.3	9.2	7.6	+1.6	1	22	0	0	16	0	0	0	0	0
Bankura	32.3	..	36.0	24	24.7	..	21.6	2	169.6	407.2	+77.5	128.2	2	22	+6.3	6.9	4.8	..	0	23	0	0	0	0	0	0	0	0
Burdwan	32.1	−0.2	35.4	24	25.7	−0.4	23.1	2	226.8	334.9	+59.8	109.8	1	15	−1.0	9.7	(a) 10.6	+6.4	0	21	0	0	0	0	0	0	0	0
Barrackpore (Aerodrome).	32.5	..	37.0	5	25.6	..	22.8	1	112.9	295.2	..	107.2	1	12	..	..	..	..	0	17	0	0	17	0	0	0	0	0

(b) Mean of 29 days. (c) Mean of 28 days. (f) Mean of 25 days. (i) Mean of 19 days. (e) Mean of 26 days. (a) Mean of 30 da

(R) Register not received

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 (a)	20 (b)	21	22	23	24	25	26	27	28	29
Gangetic West Bengal—*Contd.*																														
Calcutta (Dum-Dum).	32.0	+0.2	34.5	7	25.8	+0.3	23·1	2	76·6	237·1	−78.8	53·5	2	15	−3.1	13·6	10.8	−1.0	2	23	0	0	14	0	0	0	0	0	0
Calcutta . .	32.0	+0.1	34.4	31	25.7	−0.2	22.8	2,3	96·4	355·6	+30.2	115·6	2	14	−3.5	17.0	9.2	+3.2	1	24	0	0	14	0	0	0	0	5	0
Midnapore . .	31.7	−0.4	34·6	7	24.2	−1.9	21.5	1	80·7	232·5	−91.1	149.2	2	15	−1.3	9.3	7.0	+3.0	0	22	0	0	2	0	0	0	0	0	0
Contai . .	31.1	−0.3	33.8	7	25.1	−1.2	21.3	2,3	189·9	289.2	−13.8	131·0	3	13	−1.8	16.1	13.4	+0.9	0	14	0	0	0	0	0	0	0	0	0
Sagar Island .	30.0	−0·8	32.3	26	26.1	0·6	21.6	28	96·1	302·7	−89.5	102·0	2	13	−3.5	27.5	27.7	+8.2	1	17	0	0	3	0	0	0	0	1	0
Sandheads . .	30.4	..	33.4	22	25.5	..	20.1	28	86·6	205·0	−73.1	177·8	12	12	−0.7	..	..	..	0	15	0	0	1	0	0	0	0	0	0
Orissa																														
Baripada . .	32.3	..	35.6	6,10	24.6	..	22.0	11	185·9	460·1	..	143·2	28	20	..	4.3	3.2	..	2	25	0	0	18	0	0	0	0	0	0
Jharsuguda .	32.1	+1.2	35·4	7,11	24.6	0	23.0	3	156·4	394·9	−39·4	58·5	28	16	−2.8	14.7	10.7	+1·1	4	20	0	0	12	0	0	0	0	0	0
Keonjhargarh .	29·7	..	32·9	7,12	..	..	..	..	126·4	314·9	..	118·2	28	14	..	12·3	10·3	..	0	18	0	0	0	0	0	0	0	0	0
Balasore . .	32·0	−0·3	33·8	24	23·9	−1·9	22.3	28	161·2	412·8	+113·1	96·0	28	20	+5·9	12·8	11·1	+4·2	0	21	0	0	18	0	0	0	0	0	0
Sambalpur . .	33·2	+2·5	37·1	4days	24·2	−0·9	22.3	13	130·4	414·5	−107·7	76·4	20	17	−2·6	10·6	6·7	+0·4	0	17	0	0	0	0	0	0	0	0	0
Angul . .	32·3	+1·1	36·9	11	23·6	−1·5	20·3	12	176·1	264·4	−52·8	40·8	20	14	+1·2	10·9	11·2	+3·2	0	15	0	0	5	1	0	0	0	0	0
Ghandbali . .	31·4	+0.2	36·0	7	24·9	−0·7	22·5	9	251·6	602·2	+177·0	153·0	27	15	−1·8	11·3	9·0	−2·4	0	17	0	0	0	0	0	0	0	0	0
Bolangir . .	32·0	..	36·7	1,11	24·2	..	21·8	19	133·6	367·4	..	116·0	19	13	..	8·4	0·3	..	0	16	0	0	5	0	0	0	0	0	0
Phulbani . .	29·1	..	33·0	11	23·4	..	21·9	22,26	250·4	612·2	..	163·1	19	17	..	12·7	7·3	..	1	21	0	0	3	0	0	0	0	0	0
Cuttack . .	32·2	+0·3	36·8	12	24·3	−1·4	22·1	12	204.1	432·5	+105·1	70·4	19	18	+2·1	7·6	7·6	+3·4	0	20	0	0	0	0	0	0	0	0	0
Titlagarh . .	32·7	..	36·6	1,2	23·9	..	22·3	21,27	143·4	381·6	..	114·4	20	13	..	4·8	4·2	..	0	16	0	0	1	0	0	0	0	0	0
Bhubaneswar .	31.8	+0·3	37·1	1	24·6	−0·9	22·6	12	118·1	373·0	+71·5	91·1	19	15	+0·1	17·9	15·7	−0·2	1	22	0	0	15	0	0	0	0	0	0
Puri . .	30·1	−0·6	35·1	3	24·8	−1·8	22·5	12	97·6	310.0	+47·9	57·0	14	14	+2.0	26·5	22·1	+3·9	0	19	0	0	0	0	0	0	0	0	0
Gopalpur . .	30·4	−0·5	33·0	11,12	25·3	−0·9	22·6	12	112·9	312·8	+130·9	64·6	14	15	+5·3	21·5	18·8	+4·5	0	19	0	0	6	0	0	0	0	1	0
Koraput . .	25·3	−0·2	28·6	1	19·9	−0·5	18·0	13	201·2	456·8	−7·8	64·4	13	20	+0·1	..	..	..	0	22	0	0	1	0	0	0	0	0	0
Bihar Plateau																														
Dumka . .	32·1	+0·2	34·8	12	25·2	−0·4	22·9	1	141·8	270·3	−80·7	82·4	3	15	−3·0	14·3	8·0	+4·3	0	22	0	0	1	0	0	0	0	0	0
Daltonganj .	34·3	+1·5	39·4	10	25·6	0	23·0	27	90·5	336·1	−4·3	136·1	29	12	−3·6	11·2	7·8	+2·0	0	13	0	0	0	0	0	0	0	0	0
Hazaribagh .	29·5	−0·1	33·9	1	22·7	−0·6	21·0	10	67·8	319·1	−11·9	75.4	29	12	+0·2	13·0	10·8	+1·0	1	23	0	0	16	0	0	0	0	0	0
Dhanbad . .	31·5	..	34·8	11	24·4	..	22·5	10	104·0	290·4	..	65·6	29	18	..	..	..	..	0	23	0	0	5	0	0	0	0	0	0
Ranchi . .	33·4	+4·3	37·3	2	24·1	+1·2	21·9	6	158·7	558·3	+165·9	137·0	29	20	+1·5	10·9	7·6	−0·4	0	21	0	0	2	0	0	0	0	0	0
Ranchi (Aerodrome).	28·6	..	31·6	7	22·4	..	20·1	3	201·8	540·0	..	152·4	29	21	..	16·2	14·0	..	0	23	0	0	13	0	0	0	1	1	0
Jamshedpur .	31·8	0	34·4	7	24·5	−1·4	21·4	10	168·9	354·1	+19·8	74·0	26	22	+4·6	11·9	9·2	+2·4	0	26	0	0	3	0	0	0	0	0	0
Jamshedpur(P.B.O)	31·5	..	34·7	24	24·8	..	21·9	10	163·8	347·5	..	79·8	29	20	..	10·8	8·1	..	0	23	0	0	12	0	0	0	0	0	0
Chaibasa . .	31·6	−0·3	35·1	7	24·0	−1·3	21·1	10	173·8	340·2	+7·2	111·2	29	16	−0·2	7·3	5·1	+1·1	1	23	0	0	8	0	0	0	0	0	0
Bihar Plains																														
Motihari . .	32·2	−0·1	35·4	28	23·4	−2·5	21·0	10	72·6	293·8	−87·2	169·4	30	9	−5·1	8·7	7·1	−0·1	2	11	0	0	0	0	0	0	0	0	0
Forbesganj .	31·1	..	34·0	14	24·7	..	22·9	2,29	86·4	471·8	..	66·2	9	18	..	10·5	8·2	..	0	21	0	0	11	0	0	0	0	0	0
Darbhanga .	31·5	−0·6	34·0	18	24·6	−1·7	22·0	30	137·4	343·2	+35·3	116·4	30	18	+4·1	9·7	8·6	+3·0	0	18	0	0	2	0	0	0	0	0	0
Muzaffarpur .	..	..	..	..	..	..	..	..	..	211·8	−112·8	132·3	30	12	−2·0	..	..	..	2	17	0	0	0	0	0	0	0	0	0
Chapra . .	33·4	..	36·7	19	26·0	..	23·6	2,3	71·2	311·6	+5·0	67·2	19	15	+1·2	6·3 (b)	6·5 (b)	..	0	18	0	0	4	0	0	0	0	0	0
Purnea . .	31·3	+0·7	33·7	28	23·3	−2·6	21·3	9	121·9	403·0	+39·3	108·6	9	13	−3·6	9·2	6·4	+2·2	0	16	0	0	1	0	0	0	0	0	0
Patna . .	33·4	+0·8	37·1	24	24·8	−1·8	22·2	1	65·9	185·5	−108·6	54·3	8	11	−2·7	9·8	9·7	+2·8	1	16	0	0	1	0	0	0	0	0	0
Patna Aerodrome	32·9	..	36·2	24	25·3	..	22·4	2	105·2	213·7	..	43·4	8	14	..	12.2	10.0	..	0	19	0	0	13	1	0	0	0	0	0
Arrah (R)																														
Bhagalpur . .	32·4	−0·1	35·0	17	25·4	−0·8	23·7	9	81·7	302·7	+49·7	59·1	9	15	+1·7	10·7	8·7	+2·1	1	18	0	0	10	0	0	0	0	0	0
Sabaur . .	32·0	−0·4	34·5	18	25·1	−1·2	23·7	4 days	66·4	330·8	+77·8	76·0	9	12	−3·1	11·9	10·0	+0·3	1	18	0	0	10	0	0	0	0	1	0
Jamui . .	33·5	..	36·1	18	24·9	..	22·3	9	106·2	275·2	..	48·8	29	14	..	..	..	..	0	14	0	0	0	0	0	0	0	0	0
Dehri . .	33·2	..	38·9	1	26·1	..	22·6	3	193·4	310·5	+17·9	88·9	26	15	+0·8	7·2	6·3	..	0	16	0	0	0	0	0	0	0	0	0
Gaya . .	33·9	+0.5	37·3	18	26·0	+0·1	20·7	3	115·8	187·8	−147·7	36·6	25	13	−2·8	15·8	13·5	+4·3	1	15	0	0	13	0	0	0	0	0	0
Uttar Pradesh East																														
Kheri . .	34·9	+2·2	39·1	12	26·3	+0·4	24·2	9	66.9	156.7	−172·6	34·2	30	11	−2·9	10·1	6·1	+1·9	0	12	0	0	5	0	2	0	0	0	0
Bahraich . .	34·0	+0.7	40·0	12	26.6	+0.4	22.6	30	7·0	208·4	−102·5	73·0	30	11	−0·9	14·7	11·2	+6·7	0	13	0	0	2	0	0	0	0	0	0
Nautanwa . .	32·5	..	35·6	28	24·7	..	22·0	30	92.2	451.9	..	174·2	30	11	..	..	..	..	0	12	0	0	0	0	0	0	0	0	0
Hardoi . .	36·1	+2·5	41·0	1,2	25·7	−0·9	22·6	24,30	71·0	141.4	−193·3	40.8	25	10	−1·5	15·1	11·0	+3·9	0	11	0	0	0	0	0	0	0	0	0
Gonda .	33·9	+1·0	39.5	12	[illegible]	−0·8	22·6	30	130·8	279·2	−93·4	67·4	25	12	−2·0	10·7	8·0	+2·0	0	12	0	0	1	0	0	0	0	0	0
Lucknow . .	35·6	+2·0	40·5	12	25·5	[illegible]	22·0	1	144·3	214.6	−90·2	96.0	25	7	−6·4	5·6	4·1	+0·6	0	11	0	0	5	0	0	0	0	0	0

(b) Mean of 29 days.

(R) Register not received.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 or 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust storm	Ground frost	Gale	Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 (a)	20 (b)	21	22	23	24	25	26	27	28
Uttar Pradesh, East—*Contd.*																												
Lucknow (Amaui)	35·8	+2·2	40·7	12	26·7	+0·8	23·5	30	118·8	166·5	—138·3	95·8	25	7	+6·4	21·8	17·0	..	3	12	0	0	9	0	2	0	0	3
Faizabad	34·4	..	39·7	12	25·4	..	22·9	8	174·4	253·7	..	36·4	27	12	..	6·4 (d)	4·3 (a)	..	0	16	0	0	5	0	0	0	0	0
Gorakhpur	33·9	+1·2	37·8	11	26·1	—0·1	23·7	19	88·2	234·9	—111·3	121·0	19	11	—3·3	8·5	7·1	+3·4	2	11	0	0	0	0	0	0	0	0
Kanpur	35·6	+2·0	42·3	2	26·9	+0·3	23·7	25	134·0	343·5	+70·4	181·0	25	9	—3·5	..	..	..	0	12	0	0	0	0	0	0	0	0
Kanpur (Aerodrom)	36·2	..	42·9	2	27·6	..	21.2	25	128·2	302·5	..	158·3	25	8	..	..	..	..	0	11	0	0	6	0	3	0	0	6
Sultanpur	33·4	..	39·5	12	25·6	..	23.0	18	24·6	243·0	..	106·2	26	9	..	10·2	8·5	..	0	9	0	0	3	0	0	0	0	0
Azamgarh	33·9	..	38·4	1	25·6	..	22·8	31	88·3	199·7	..	37·0	8	9	..	..	..	..	0	12	0	0	2	0	0	0	0	0
Fatehpur	35·9	+2·0	43·4	1	26·9	+0·4	24·2	29	159·7	263·6	—54·7	113·7	19	12	—1·9	12·7	9·7	+3·9	0	12	0	0	2	0	0	0	0	0
Ballia	33·9	..	37·5	8	22·7	..	19·1	3	81·0	208·0	..	42·2	3	13	..	9·0	6·8	..	0	13	0	0	2	0	0	0	0	0
Banda	36·3	..	44·5	1,2	27·0	..	23·3	3	57·5	221·2	..	99·0	25	9	..	7·0	5·0	..	0	11	0	0	0	0	0	0	0	0
Allahabad (Bamhrauli).	35·8	+2·4	44·0	1	26·7	+0·1	23·8	3	72·8	179·3	+139·7	33·0	3	12	—3·2	12·3	9·5	+1·8	1	15	0	0	9	0	0	0	0	0
Varanasi (Babatpur).	34·7	+1·7	41·6	1	26·8	+0·4	23·4	3	175·9	247·0	—98·8	88·8	25	10	—5·1	20·2	17·1	+5·8	0	15	0	0	11	0	0	0	0	0
Varanasi	34·8	+1·4	42·2	1	25·6	—0·9	21·4	3	130·2	202·4	—97·6	43·0	3	12	—2·3	11·7	9·7	+4·1	0	14	0	0	1	0	0	0	0	0
Uttar Pradesh, West																												
Mukhim	23·4	..	26·7	7	16·8	..	14·3	9	170·9	400·1	..	55·0	14	20	..	..	..	..	0	22	0	0	6	11	0	0	0	0
Tehri	33·4	..	38·8	7	23·5	..	20·3	18	59·9	254·7	..	42·0	25	17	..	3·7	3·1	..	0	20	0	0	10	0	0	0	1	0
Dehra Dun	31·1	+0·8	36·1	2	21·0	—2·2	18·2	18	240·2	819·4	+151·4	124·0	25	23	+2·7	4·8	3·3	+0·7	0	24	0	0	13	0	0	0	0	0
Mansiar	21·1	..	24·5	13	14·4	..	12·8	10,18	..	764·1	..	203·6	7	28	..	..	..	..	1	30	0	0	0	0	0	0	0	0
Roorkee	34·0	+0·6	42·0	7	23·1	—2·5	20·0	15	108·0	387·7	+75·3	108·4	18	13	+1·1	9·6	6·7	+2·7	0	14	0	0	10	0	1	0	0	0
Najibabad	35·5	..	40·9	7	23·5	..	18·4	10	119·0	403.0	..	65·8	17	16	..	8·6	7·1	..	0	16	0	0	13	0	0	0	0	0
Meerut	35·2	+1·1	40·5	2	24·6	—1·8	20·7	9	..	161·0	—57·2	40·0	26	8	—2·3	..	9·0	..	0	10	0	0	0	0	0	0	0	0
Bareilly	36 2	+2·8	42·5	2	26·9	+0·8	24·0	30	71·8	126·6	—202·6	32·6	20	9	—3·8	14·1	9·9	+6·4	0	11	0	0	3	0	0	0	0	0
Aligarh	29·9	—4·7	35·4	1	26·9	+0·2	23·7	25	103·0	247·2	+24·4	83·6	25	9	—1·3	16·1	12·5	+5·1	0	12	0	0	2	0	0	0	0	0
Mainpuri	36·4	+1·3	42·8	2	26·2	—0·6	22·8	25	66·9	115·9	+75·6	39·8	25	8	—2·4	8·3	6·0	+2·5	0	8	0	0	1	0	1	0	0	0
Agra	36·2	+1·9	43·4	1	27·3	+0·4	23·0	25	206·6	291·6	+74·4	62·7	25	11	0	6·0	4·5	—2·6	0	13	0	0	0	0	0	0	0	0
Agra (Aerodrome)	36·1	..	43·2	1	27·4	..	23·3	25	124·8	211·8	..	71·9	31	10	..	17·4	15·7	..	0	13	0	0	12	0	0	0	0	0
Orai	35·6	..	43·0	1,2	27·0	..	24·0	25	72·0	223·6	..	110·0	25	7	..	..	..	..	0	11	0	0	0	0	0	0	0	0
Jhansi	35·3	+1·6	43·2	1	26·8	+0·9	23·5	26	81·0	212.5	—87·5	63·0	26	11	—2·8	8·6	8·1	+1·3	0	11	0	0	0	0	0	0	0	0
Punjab (India)(Including Delhi)																												
Pathankot	34·8	+0·7	43·0	8	23.7	—1·3	19·5	31	53·1	287·8	—156·1	84·0	31	13	—0·6	..	..	..	0	16	0	0	15	0	1	0	0	0
Bhuntar	30·3	..	35·9	1	19·0	..	15·4	10	39·6	133·3		29·5	2	10	..	11·7	7·6	..	1	15	0	0	11	0	0	0	0	0
Amritsar (Rajasansi).	35·2	—0·3	42·6	1	25·2	—0·7	21·0	10	55·7	222·8	+8·8	43·0	31	9	+0·2	13·3	10·7	—0·2	0	14	0	0	10	0	1	0	0	2
Adampur (Aerodrome).	35·4	..	43·0	8	25·4	..	21·1	10	115·6	195·4	..	62·0	10	12	..	..	..	..	0	13	0	0	15	0	3	0	0	0
Ludhiana	35·6	—0·7	44·0	8	25·5	—1·3	20·0	10	102·2	205·8	+0·8	66·2	10	10	+ ·6	7·9	5·8	+2·6	0	11	0	0	6	1	3	0	0	0
Ferozepur	35·2	..	42·0	8	25·6	..	21·5	13	127·4	256·8	..	96·0	10	9	..	4·1	3·4	..	0	12	0	0	4	0	2	0	0	0
Halwara (Aerodrome).	34·9	..	40·9	8	25·1	..	19·4	10	90·0	216·5	..	104·1	10	8	..	..	..	..	0	8	0	0	9	0	2	0	0	0
Chandigarh (R)																												
Ambala	34·8	—0·5	40·6	3	25·6	—0·6	20·2	10	93·7	311·0	+66·9	91·2	17	9	—1·6	14 5	12·3	+7·3	1	11	0	0	2	0	0	0	0	0
Ambala (Aerodrome)	34·4	..	41·5	7	25·6	..	20·6	10	154·2	416.7	..	86·4	17	13	..	..	..	..	0	14	0	0	14	0	4	0	0	0
Patiala	35·1	..	42·1	2	25·9	..	20·9	·0	111·5	243·1	—0·2	147.0	17	7	—0·7	12·3	9·4	..	0	8	0	0	4	0	0	0	0	0
Bhatinda	37·3	..	42·9	13,14	26·5	..	21·4	10	122·1	150·3	..	58·5	26	5	..	9·2	8·8	..	0	5	0	0	0	0	0	0	0	0
Karnal	35·1	..	42·5	13	..	..	..	..	84·0	175·0	..	50·0	18	6	..	..	2·3	..	0	7	0	0	0	0	0	0	0	0
Hissar	37·9	+0·3	43·6	15	27·4	+0·1	23·5	26	70·4	76·8	—3·9	36·0	26	4	—2·0	13·2	11·0	+2·1	1	8	0	0	0	0	0	0	0	0
New Delhi (Safdarjung).	35·9	+0·8	40·8	7	26·4	—0·5	22·8	23	137·9	167·6	—11·0	93·7	23	7	—0·2	16·1	13·5	+3·2	2	11	0	0	9	0	0	0	0	3
Palam (Aerodrome).	36·5	..	42.2	7	26·5	..	19·6	17	46·5	87·4	..	18·7	23	8	..	..	..	..	0	10	0	0	9	0	0	0	0	1
Himachal Pradesh.																												
Mandi	32·4	+1·2	36·9	8	20·3	—1·6	16·1	31	103·6	363·3	—183·8	60·0	15	15	—5·3	2·9	2·6	0	0	18	0	0	1	0	0	0	0	0
Bilaspur	32·5	..	39·0	7	..	..	7·6	..	111·6	173·9	..	40·0	16	12	..	..	..	..	0	16	0	0	0	0	0	0	0	0

(R) Register not received.

(d) Mean of 27 days.

(a) Mean of 30 d

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 (a)	20 (b)	21	22	23	24	25	26	27	28	29
Jammu and Kashmir.																													
Misgar (R)																													
Gilgit (R)																													
Skardu (R)																													
Dras (R)																													
Sonamarg (R)																													
Leh	24.0	—0·7	31·6	24	8·5	—1·7	4·5	30	0	14·3	+2·4	4·1	10	2	+0·6	3·8	3·4	+0·3	0	5	0	0	0	0	0	0	0	0	0
Srinagar	29.4	—1·6	34·1	16	17·7	—0·2	13·8	3	1·2	19·4	—39·8	9.3	18	2	—2·9	5.2	5.1	+1.1	2	4	0	0	2	0	0	0	0	0	0
Srinagar (Aerodrome).	28.5	..	32·8	26	18.2	..	13·7	2	1·4	10·2	..	4·4	2	2	—2.9	..	..	..	0	4	0	0	15	0	0	0	0	0	0
Gulmarg	20·8	—0.7	25.9	16	9·0	—1.9	5.6	6	50.8	73.1	—30.0	12.4	2	11	+2·1	8·6	5·6	+0.5	0	15	0	0	7	3	0	0	0	0	0
Qazigund	27·4	..	31·7	25	16.8	..	12·1	10	18·9	45·0	..	7·2	5	8	..	2·5	2.5	..	0	12	0	1	10	0	0	0	0	0	0
Banihal	28.0	..	32.6	1	17.1	..	13.6	10	54.3	103·7	..	32·0	28	8	..	..	..	..	2	10	0	0	4	0	0	0	0	0	0
Jammu	36.8	+1.6	44.1	8	24.3	—2.0	19.6	30	18·8	111·3	—216.1	30·2	23	11	—0.8	..	..	..	0	11	0	0	0	0	0	0	0	0	0
Jammu (Aerodrome).	35·6	..	43.9	8	25.1	..	20.0	9	81·3	192·3	..	37·8	28	11	..	..	..	..	0	11	0	0	15	0	2	0	0	0	0
Rajasthan, West																													
Ganganagar	38.0	—0.6	44.3	15	26.4	—2.0	22.0	10	50.9	57·7	—16.6	20·5	29	5	+1·0	8·2	7.3	—0.5	0	9	0	0	7	0	2	0	0	0	0
Anupgarh (R)																													
Mahajan	39.0	..	43.5	9,16	25·8	..	16·0	9	..	..	..	..	..	..	..	17.5	(i) 17.9	..	..	..	0	0	0	0	0	0	0	0	0
Churu	37.7	..	42.7	15	27·4	..	24.0	4	37·5	44·9	..	13 6	18	6	..	17.4	15.0	..	0	8	0	0	2	0	2	0	0	0	0
Bikaner	38.1	—0.4	42.8	4	27.2	—0·8	23.8	18	66.2	132·7	+47.9	42·3	18	7	+2.1	15.3	15.0	+3.7	0	9	0	0	6	0	1	0	0	0	0
Nagaur	36.9	..	43.0	4	26.3	..	22.9	31	15.4	79.6	..	34.1	18	3	..	14.6	14·4	..	0	6	0	0	0	0	0	0	0	0	0
Phalodi	36.4	..	42.2	4	24.8	..	21.6	19,31	70.6	183·6	+114.8	65.6	31	9	+5.0	33·7	19·5	..	0	10	0	0	4	0	6	0	0	0	0
Jaisalmer	38.0	..	42.5	16	24.9	..	22.3	19,28	24·4	47.5	..	24.4	19	5	..	23.6	23.5	..	0	7	0	0	0	0	0	0	0	0	0
Jodhpur	35.8	—0.3	41.8	4	26.3	—0.5	22.4	19	89.7	223·9	+123.1	61·4	28	9	+3.5	17.6	15·5	—4.0	0	12	0	0	10	0	3	0	0	1	0
Barmer	36·7	+0·9	42·0	16	25·1	—1·0	20.6	12	79·2	247·5	+165.0	77.6	30	11	+7·0	14·0	12·6	+1·0*	2	12	0	0	12	0	2	0	0	0	0
Erinpura (Jawai Dam).	34·7	..	41·2	16	25·3	..	22·1	31	91·7	314·8	..	128·6	31	10	..	8·9	8·4	..	0	13	0	0	0	0	0	0	0	0	0
Munabao	(f) 37.6	..	42.0	21	(f) 27·2	..	24.4	30	..	..	..	..	..	..	..	(h) 14.7	(j) 11.8	..	..	..	..	..	..	..	..	..	..	..	..
Rajasthan, East																													
Pilani	36.7	..	42.0	15	25·8	..	21.0	19	177.7	187·1	..	160 0	19	5	..	18·0	16.1	..	0	5	0	0	0	0	0	0	0	0	0
Sikar	36.0	..	40.8	4	25.1	..	21.4	18	27.9	89·6	..	50.2	18	5	..	..	..	..	0	5	0	0	0	0	0	0	0	0	0
Alwar	36.4	..	42.0	1,2	26·4	..	23.2	19,26	83.2	138.2	..	25.2	19	12	..	6.2	4.6	..	0	13	0	0	1	0	0	0	0	0	0
Jaipur (Sanganer).	34.7	+0.1	40.4	1	26.2	+0.5	22.8	19	33.7	94.2	—102·6	23.0	20	8	—2.3	..	..	..	2	9	0	0	5	0	1	0	0	2	0
Dholpur	36.2	..	43.5	2	27·1	..	23.2	30	119.6	226.0	..	124.2	31	10	..	12.1	9.6	..	0	14	0	0	1	0	0	0	0	0	0
Ajmer	33.4	+0.2	41.0	4	24.8	—1.0	22.1	31	77.8	230·4	+67.6	46·4	5	12	+3.1	14.5	13·3	+3.6	1	13	0	0	7	0	0	0	0	0	0
Tonk	35.8	..	43.6	14	27.6	..	23.2	5	67.3	127·0	..	82·9	5	8	..	18·2	12.6	..	0	12	0	0	11	0	0	0	0	0	0
Bhilwara	34.8	..	40.1	1	24.6	..	22.1	5,31	76.6	177·6	..	37·5	31	8	..	14.2	12.3	..	0	13	0	0	5	0	1	0	0	0	0
Kota	35.4	+1.0	41.0	1,2	27.0	+0.4	21·2	4	81·3	239·7	—17·9	73·8	31	11	—0.1	12.0	11.1	+4·7	0	16	0	0	3	0	0	0	0	0	0
Kota (Aerodrome)	35·2	..	41·6	1	26·4	..	22·0	5	91·6	231·4	..	65·4	31	11	..	17·6	16·8	..	0	13	0	0	8	0	0	0	0	0	0
Chambal (Rawat-Bhatta Dam).	38.1	..	39.5	1	25.7	..	23·5	29,30	86·7	241·7	..	75·3	30	11	..	16.3	14·2	..	0	14	0	0	6	0	0	0	0	0	0
Udaipur	32.0	+0.2	37.1	15	23.9	—0·4	21.1	17	65·5	212.2	—5·0	47.9	31	12	+1.6	7.1	5.7	..	1	17	0	0	12	0	0	0	0	0	0
Jhalawar	34.8	+2.6	40.1	1	25.2	+0·4	21.8	4	154·6	239·2	—57·5	43.4	30	11	—2.5	15·3	14·0	+6.1	0	14	0	0	0	0	0	0	0	0	0
Banswara	33·8	..	39·7	17	13·6	..	5·0	4	..	..	..	..	..	..	..	13·5	13·2	..	..	..	..	..	..	..	..	..	..	..	..
Madhya Pradesh, West																													
Gwalior	35.4	+1.5	43.2	1	26.9	+0.3	22.8	31	108.6	124·3	—174.2	31.3	31	8	—6.8	16.7	13.5	..	1	13	0	0	7	0	0	0	0	0	0
Sheopur	35.1	+1.3	42.3	1	26.5	+0·6	23.7	4	81.0	196·0	—109.5	35·6	19	10	—2.6	16.0	12.9	+4.6	0	13	0	0	6	0	0	0	0	0	0
Shivpuri	32.8	..	40.4	1	23.6	..	20.6	4	138·6	354·2	..	154·4	30	11	..	14.1	12.2	..	0	15	0	0	0	0	0	0	0	0	0
Nowgong	35.1	+2·3	43.4	2	26.5	+0.6	20.8	4	75·7	190·9	—159.9	76·8	26	6	—8.1	13.2	10.8	+5.8	1	10	0	0	2	0	0	0	0	0	0
Guna	32.7	+1.6	40.6	1,2	24.1	+0.1	21 0	4	153·1	367·8	+33.3	116·4	30	16	+0.5	20.2	16.2	..	0	19	0	0	11	0	0	0	0	0	0
Nimach	32.3	+1.2	39.1	16	24.1	+0.4	22.5	18	124·3	318·2	+77.7	72·6	29	12	+1.4	17.0	17.2	+3.0	0	14	0	0	7	0	0	0	0	0	0
Rajgarh	34.1	..	40.3	2	25.5	..	23.6	25,30, 31	45·4	187·7	..	50·4	27	9	..	20.9	18.3	..	0	12	0	0	0	0	0	0	0	0	0
Sagar	31.8	+1.9	39.5	2	23.2	+0.4	20·2	3	62·0	207·4	—189.1	106·4	27	8	—8.5	17.3	16.1	..	0	15	0	0	1	0	0	0	0	0	0
Ratlam	31.9	+1.8	38.6	16	22 8	—0.5	21.2	20	65·0	265·6	—84.0	58·4	29	15	+0.3	17.9	16.8	+5·1	0	18	0	0	4	0	0	0	0	0	0
Bhopal (Bairagarh)	32.0	+2.2	38.6	2	23.1	—0.3	21.4	4,31	200·3	453·2	—47·9	181.6	28	13	—3.4	27.9	22.8	+6·7	1	17	0	0	7	0	0	0	0	0	0

(f) Mean of 25 days. (i) Mean of 22 days. (R) Register not received. (h) Mean of 23 days. (j) Mean of 21 days.
*Departure indicated refers to 1940 normals adopted provisionally.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hour	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust storm	Ground frost	Gale	Squall		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 (a)	20 (b)	21	22	23	24	25	26	27	28		
Madhya Pradesh, West—(Contd.)																														
Ujjain	32.1	..	38.8	16	23.3	..	21.6	31	76.2	157·6	..	35·0	17	11	..	26·8	23.0	..	0	17	0	0	6	0	0	0	0	0		
Narsinghpur	32·1	..	40·2	1	24·0	..	20·2	3	23.3	123.7	..	37.0	3	10	..	11.9	8.0	..	0	13	0	0	0	0	0	0	0	0		
Hoshangabad	32.3	+2.2	39·3	1	24.2	+0.3	19.2	29	246·9	683·8	+259.4	296.0	28	15	−0.7	12.3	8.1	+2.3	0	19	0	0	12	0	0	0	0	0		
Indore	31.8	+1.9	37.0	16	22.9	+0.4	21.8	27,30	16·6	145·7	—130.8	37·3	29	13	−0.3	32.2	28.5	..	0	17	0	0	4	0	0	0	0	1		
Rajpur (Jhabua)	31.2	..	36.6	1	23.2	..	21.8	30	97·2	292·6	..	42·6	29	15	..	17.7	16.4	..	0	19	0	0	3	0	0	0	0	0		
Chhindwara	29.2	+0.9	36.1	1	22.7	+0.4	21.6	29,31	84.6	167.8	—155.6	37.6	21	13	—4.1	14.6	9.1	+0.9	0	22	0	0	3	0	0	0	0	0		
Seoni	30.2	+1.3	36.2	1	22.5	+0.1	20.8	3	78.8	225.4	—186.6	36.8	20	13	—5.3	13.5	9.8	+2.6	0	19	0	0	4	0	0	0	0	0		
Betual	29.4	+1.3	35.8	1	22.1	−0.2	20.9	5	54·0	235.0	—103.5	71·9	28	15	—2.3	11.9	9.5	+1.1	0	20	0	0	1	0	0	0	0	0		
Khandwa	32·6	+1·5	36·8	1,2	24.1	0	22.7	30	36·4	182·2	—63.2	54·2	16	10	−2.1	20.8	17.9	+6.0	1	14	0	0	0	0	0	0	0	0		
Madhya Pradesh, East																														
Satna	34.6	+3.0	43.5	2	25.5	+0.3	23.3	25,26	166·1	228·1	—133.8	65·1	27	14	−1.4	12.4	10.5	+2.3	2	16	0	0	11	0	0	0	0	0		
Rewa	35.2	..	42.8	1	25.4	..	22.6	25	70.6	118·9	..	28·4	14	8	..	10.2	8.3	..	0	14	0	0	0	0	0	0	0	0		
Sidhi	35.4	..	42.2	1,2	26.4	..	24.0	3	90.6	165.6	..	51.2	29	9	..	8.5	7.2	..	0	10	0	0	0	0	0	0	0	0		
Umaria	32.6	+2.3	39.5	1	24.4	+0.4	21.4	3	112.7	194.3	—256.6	65.8	26	12	—8.1	11.6	9.1	+3.0	1	14	0	0	7	0	0	0	0	0		
Jabalpur	31.9	+1.7	39.1	1	24.3	+0.6	22.6	3	66.9	219.6	—272.7	29.4	1	14	—4.1	11.9	8.9	+3·4	0	19	0	0	6	0	0	0	0	0		
Ambikapur	30.2	+0.7	35.3	1	23.1	—0.1	20.2	3	177.0	358.5	—76.3	101.6	24	18	+0.3	..	..	..	0	21	0	0	4	0	0	0	0	0		
Jashpurnagar	28.0	..	32.0	12	22.2	..	19.7	3	86.1	451.5	..	93.0	3	18	..	11.6	9.4	..	0	21	0	0	0	0	0	0	0	0		
Pendra	29.5	+0.9	34.5	1	22.9	+0.5	21.5	2,21	122.9	276.7	—96.9	54.3	20	16	−2.9	13.7	11.3	..	3	22	0	0	11	1	0	0	0	0		
Mandla	31.2	+1.1	38.8	1	23.4	+0.1	22.0	3	89.0	192·8	−303.6	52.0	26	14	—6.5	8.9	5.8	+1.9	1	22	0	0	6	0	0	0	0	0		
Champa	32·4	+1·1	37·6	1	24·1	—0·8	22·4	19	91.6	218.8	−195·2	49.4	26	16	−2·8	13·9	10·5	+1·3	0	19	0	0	5	1	0	0	0	0		
Raigarh	32·1	+0·6	36·6	13	24·3	—0·7	22·6	19	98.8	228.1	—147·1	44.4	20	19	+0·4	9.2	7·5	+0·5	0	22	0	0	3	0	0	0	0	0		
Raipur	31·9	+1.5	38·0	2	24·0	+0·1	22·2	12	153.5	348.9	—31·8	72.2	12	13	—3·0	15·4	3·2	—0.8	2	17	0	0.	6	0	0	0	0	0		
Kanker	29.7	+0.8	34.5	2	24.1	+0.8	20.6	13	91.0	205.6	−193.7	84.8	20	12	—5.9	..	..	..	0	16	0	0	4	0	0	0	0	0		
Jagdalpur	28.4	+0.1	32.5	1	22·4	+0.2	21.0	4	109.7	407.9	+23.6	83.7	14	15	—4.4	(a) 10.9	8.0	..	0	21	0	0	6	0	0	0	0	0		
Gujarat Region (including Daman, Dadra & Nagar Haveli																														
Deesa	33.7	..	40·5	16	23·8	..	21·4	30	124·6	282·7	..	58·0	30	13	..	14·7	12·7	..	0	16	0	0	0	0	0	0	0	0		
Radhanpur	33·9	.	39·9	16	25·3	..	22·7	5	94.2	344.9	..	106.0	30	10	..	13·6	11·5	..	0	12	0	0	0	0	0	0	0	0		
Indar	32·8	..	40·2	16	24·9	..	23·0	5	75·8	390·3	..	162·4	29	15	..	11·0	9·2	..	0	17	0	0	6	0	0	0	0	0		
Ahmadabad	34·1	+0·2	40·4	16	25·5	—0·3	23·3	17	57·7	278·5	—31·9	79·4	30	15	+2·4	10·4	8·6	—2·7	1	18	0	0	10	0	1	0	0	1		
Dohad	32·1	+1·7	37·5	1,2,3	23·3	—0·6	21·3	4	29·6	161·0	—102·0	40·2	30	14	+1·3	27·0	28·7	+2·4	2	17	0	0	7	0	0	0	0	0		
Vallabh Vidyanagar	33·6	..	39·6	16	25·2	..	23·5	6	174·0	428·0	..	126·6	17	18	..	14·6	12·2	..	0	19	0	0	1	0	0	0	0	0		
Baroda (Aerodrome).	32·9	..	38.0	16	25·3	..	23·1	17	151·8	379·1	..	84·6	28	19	..	16·9	15·3	..	0	22	0	0	6	0	0	0	0	0		
Baroda	33·3	+1·3	38·3	4	25·6	+0·2	22·4	5	192·4	465·8	+96·7	94.0	28	19	+3·1	6·3	4·4	—3·8	0	23	0	0	3	0	0	0	0	0		
Broach	31·7	—0·3	36·0	2	25.5	—0·2	23.8	17,25	318·8	482·0	+149·2	223.0	17	18	+3·4	4·8	4·0	—7·2	1	22	0	0	0	0	0	0	0	0		
Surat	31·1	+0·4	34·2	15	25·5	+0.1	23·2	3	271·7	608·1	+165·6	127.5	29	19	+2·7	18·8	14·8	+3·1	0	25	0	0	2	0	0	0	0	0		
Saurashtra and Kutch (including Diu)																														
Naliya	31·7	..	36.8	5	25.5	..	23·0	17	86·7	255.9	..	69.6	22	7	..	26·0	22·1	..	0	10	0	0	5	0	0	0	0	0		
Bhuj (Rudramata)	33·5	+0·3	38.1	5	25.9	0	22·9	29	113·9	214·1	+53·3	46 6	22	10	+4·0	24·4	20·8	—0·9	0	14	0	0	4	0	0	0	0	0		
Kandla Aerodrome	34·1	..	37.9	4	25·8	..	22.8	17	132·7	281·6	..	117·8	30	9	..	34·1	30·5	..	0	15	0	0	3	0	0	0	1	0		
New Kandla	32·5	..	36.1	4	25·9	..	22·8	17	182·8	317·6	..	101 8	30	10	..	31·5	29·2	..	2	14	0	0	4	0	0	0	0	0		
Mandvi	31·0	+0·1	32.9	4	26·5	—0.4	23·4	21	50.6	171.1	—40·9	77.5	21	8	—1·2	35·2	35·0	—1·3	1	9	0	0	0	0	0	0	4	0		
Surendranagar	34.2	+0·1	39.4	1	25·5	—0·4	22·8	30	149·0	435·8	+257·1	102·8	30	9	+1·1	19·9	(b) 18·8	—1·5	0	13	0	0	4	0	0	0	0	0		
Okha	30·6	..	32.2	6	25.7	..	22.3	21	55·9	221·9	..	101·6	21	11	..	29.8	27.7	..	1	19	0	0	3	0	0	0	0	1		
Jamnagar (Aerodrome).	33·0	—0·4	36.3	4	25·3	—1·1	23·2	29	38·6	202·7	—24·1	82·8	28	10	+2·1	..	..	..	1	15	0	0	3	0	0	0	0	0		
Dwarka	30·3	-0·1	32.7	4	26 5	-0.6	24.6	4,18, 21	92.8	217·0	+40·5	70·2	21	8	+2·0	25·9	27·2	+3·2	0	11	0	0	0	0	0	0	0	0		
Rajkot	33.4	+0·9	37.7	1	24·5	—0·1	23·2	18,19	97·6	262·4	—109·7	76·6	29	10	—2·7	35·8	30·8	+2.5	1	16	0	0	3	0	0	0	0	0		
Bhavnagar (Aerodrome)	34·3	+0·5	38·4	7	25·9	—0·2	22·4	20	86.2	202.8	+24·7	66·6	20	11	+1·7	35·0	31·7	+11·5	0	16	0	0	3	0	0	0	1	1		
Porbandar (Aerodrome).	30·6	+0·5	33·0	5	26·0	—0·5	23·7	5	61·3	230·9	—148.5	93·5	19	14	+2·6	24·8	21·9	..	0	19	0	0	3	0	0	0	0	0		
Keshod	31·0	..	34·7	1	25·0	..	23·6	21,25	205·8	250·2	..	77·8	19	13	..	36·5	30·0	..	13	19	0	0	2	0	0	0	0	0		
Mahuva	33·8	..	34·8	23,24, 25	23·7	..	21·5	31	230·4	342·9	..	144·5	21	10	..	..	..	..	0	17	0	0	0	0	0	0	0	0		
Veraval	29·6	..	31.8	1	25·6	..	23·8	22	80.9	271·0	+73·4	104·8	19	17	+7·8	34·6	34·8	..	1	26	0	0	1	0	0	0	0	0		

(b) Mean or total for 29 days. (a) Mean of 30 days. (R) Register not received.

Sub Division and Station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, kms per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 or 0·2) mm.	Precipitation 0·3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Konkan including Goa)																														
Dahanu	29·5	—0·3	31·2	2,7	25·1	—0·2	23·4	17	585·8	979·3	+92·4	293·2	16	28	+4·5	32·0	30·1	+0·4	0	30	0	0	0	0	0	0	0	0	0
Bombay (Santa Cruz).	29·4	—0.3	30·9	7,8	24·4	—0·4	21·7	16	692·7	1455·5	+713·3	372·9	16	27	+2·3	27·5	25·0	..	1	30	0	0	6	0	0	0	0	6	0
Bombay	29·3	—0·4	31·0	8,9	24·7	—0·1	22·5	21	420.5	917·7	+301·2	169·2	21	28	+5·9	19·2	18·9	+0·2	3	29	0	0	2	0	0	0	0	22	0
Alibag	29·0	—0·1	30·8	8,9	24·7	—0·6	23·4	16,17	..	592·1	—3·3	110·7	16	28	+4·7	..	36·3	+7·8	0	30	0	0	0	0	0	0	1	0	0
Bhira	27·5	..	31.0	8	23·5	..	21·4	20 16	945·4	2493·6	..	279·0	20	30	..	4·7	4·4	..	0	31	0	0	0	0	0	0	0	0	0
Harnai	28·3	—0·2	29·4	10	24·4	+1·6	22·3	22	330·4	758·9	—158·3	101·9	22	29	+2·0	25·2	25·7	+3·6	0	30	0	0	1	0	0	0	0	0	0
Ratnagiri	27·7	..	31·0	7	..	..	..	..	426·9	907·7	+47·9	158·4	15	25	—1·0	30·0	28·6	..	0	31	0	0	0	0	0	0	0	0	0
Devgarh	28·4	—0·2	30·0	8	24·4	—0.5	23·0	5 days	321·5	730·1	—61·3	1 2·5	4	27	+0·9	32·8	31·7	+2·9	0	29	0	0	0	0	0	0	1	0	0
Vengurla	28·8	+0·1	30·3	13	23·9	—0·1	22·0	17	326·3	1060·1	—87·8	132·2	20	29	+1·0	..	..	..	0	31	0	0	5	0	0	0	0	0	0
Panjim	28·7	..	30·5	6	24·2	..	22·4	4	364·5	997·5	..	192·4	20	24	..	23·2	21·9	..	0	31	0	0	3	0	0	0	0	1	0
Marmugao	28·3	..	29·6	8,12	23·7	..	20·2	21	352·4	807·5	..	125.0	20	23	..	28·4	28·5	..	1	29	0	0	0	0	0	0	0	0	0
Dabdim (Navel Air Station)	28.9	..	32.0	13	24·1	..	22.0	1	447.7	1019·3	..	166.7	31	21	..	(h) 18·6	(i) 16·5	..	0	28	0	0	5	0	0	0	0	22	0
Madhya Maharashtra																														
Nandurbar	31·4	..	37·2	3	23·0	..	21·4	16	155·5	411·8	..	66·0	30	17	..	15·1	12·6	..	1	25	0	0	0	0	0	0	0	0	0
Jalgaon	34·0	+2·0	38·7	1	24·1	+0·1	22·6	16	110·2	239·5	—2·5	66·4	16	13	—1·5	26·0	20·0	+4·4	0	18	0	0	4	0	0	0	0	0	0
Malegaon	31·4	+0·2	35·6	2	22·8	—0.3	20·2	16	28·8	202·8	+90.5	93·2	16	7	—0.4	21·8	16·9	+1·5	0	9	0	0	0	0	0	0	0	0	0
Ozar	28·6	..	32·6	2	21 5	..	19.4	16	(a) 34.0	(a) 309·2	..	100·0	16	15	..	(a) 31·5	(b) 26·8	..	0	22	0	0	0	0	0	0	0	0	0
Deolali (Aerodrome)	27.7	..	31.3	2	21.8	..	19.9	16	89.2	252·0	..	86·6	16	17	..	28.3	22.8	..	0	25	0	0	0	0	0	0	0	0	0
Ahmadnagar	20·4	+0.8	34·2	1	20·9	—0.5	19·2	16	24·8	126·9	+30.9	90·0	16	3	—3·8	19.8	14.5	—1·1	0	7	0	0	0	0	0	0	0	0	0
Khandala	..	..	..	..	..	..	..	..	..	2780.1	+1042.2	298·0	20	31	+1·0	..	..	..	0	31	..	..	..	..	..	..	..	..	..
Poona (Aerodrome).	27·9	..	31·4	1	21·1	..	20·0	16	54·0	170·9	..	34·8	16	13	..	..	..	..	0	22	0	0	0	0	0	0	0	0	0
Poona	28·1	—0.1	31·3	2	21·8	—0.2	20·7	16	72·6	203·8	+37·2	28.6	20	14	+1·3	18·6	16·3	..	0	28	0	0	0	0	0	0	0	1	0
Jeur	32·3	+1·0	34·9	6,12	21·7	—0·1	20·1	7,16	46·9	77·4	—30,0	29.0	16	8	+0·1	27·2	19·7	+2·7	0	10	0	0	1	0	0	0	0	0	0
Baramati	29·9	+0·2	33·3	1	21·9	—0·2	19.9	16	8·0	39·0	—20·5	23·6	16	4	—1·7	23.1	19.3	+2·1	0	5	0	0	0	0	0	0	0	0	0
Sholapur	31·5	—0.3	34·6	8	22·0	—0·3	20.9	17,18, 25	72.9	148·1	+41·9	39·0	15	6	—1·7	17.6	13.9	—2.4	0	7	0	0	1	0	0	0	0	0	0
Miraj	27·7	0	30.8	7	21.2	—0.4	19.9	2	81.6	208·8	+103·9	56.0	2.	14	+4·9	..	..	..	0	25	0	0	0	0	0	0	0	0	0
Kolhapur	26·0	—0.5	28·3	7	20·8	—0·4	19·4	2	258·7	624.9	+271.6	137.6	21	25	+6·3	26.3	21·7	+3·0	25	29	0	0	0	0	0	0	0	0	0
Marathwada																														
Aurangabad	30·2	+0.2	35·8	2	21.6	0	20·0	16	90·6	189·6	+18·4	56·6	15	14	+2·7	27·4	21·4	+3·7	0	18	0	0	1	0	0	0	0	0	0
Aurangabad (Chikalthan).	30·5	..	35·6	2	21·8	..	20·1	17	45·4	137·0	..	64·7	15	8	..	24·8	19.7	..	0	22	0	0	2	0	0	0	0	0	0
Parbhani	31·5	—0·2	35·0	2	22·5	—0·3	21·0	17	72·8	296·2	+91·4	95·0	15	12	—0.1	20·9	15.8	+1.8	0	13	0	0	0	0	0	0	0	0	0
Nander	31·7	..	35·5	1	27·5	..	21·2	15,16	299·7	534·7	..	177·4	15	14	..	16·7	11·6	..	0	16	0	1	4	0	0	0	0	0	0
Bir	31·8	..	35.9	1	22.7	..	21.0	15	5.5	166.0	..	75.4	15	6	..	15.8	13·0	..	0	10	0	0	0	0	0	0	0	0	0
Vidarbha																														
Gondia	31·4	+1·2	37·0	1	24·3	0	21·1	3	117·1	351·6	—78·0	66.5	20	19	+1·1	9·5	7·0	+0·5	0	19	0	0	3	0	0	0	0	0	0
Nagpur (Sonegaon)	31.9	+0·6	36·9	1	23·7	—0·4	21·0	3	88·1	204·6	—166·2	31·8	3	17	+0·5	21·0	15.1	..	0	25	0	0	12	0	0	0	0	9	0
Amraoti	32·1	+1·3	36·8	1	23·4	+0·1	21·5	11	40·6	233·8	—5·2	47·0	30	13	+0·2	23·7	18·4	+6·2	0	18	0	0	3	0	0	0	0	0	0
Akola Aerodrome	32·8	..	36·9	1	22·2	..	20·7	3	26·7	264·8	..	101·2	15	11	..	17·4	14·3	..	1	16	0	0	6	0	0	0	0	0	0
Akola	32·9	+1·2	37·2	2	21.8	—2·0	20·6	16	15·9	207·4	—41·3	96·1	15	10	—2·4	18·2	13·5	+2.4	0	16	0	0	1	0	0	0	0	0	0
Bramhapuri	31·4	..	36·0	2	23·7	..	21·6	13	124·6	370·4	..	122·0	23	20	..	13·2	10·2	..	0	25	0	0	1	0	0	0	0	0	0
Buldana	30·2	+1·5	34·6	2	21.1	—0.8	19.5	2	58·8	189·0	—35·2	71·4	15	13	—0·1	17·8	16·3	+1·0	0	15	0	0	3	0	0	0	0	0	0
Yeotmal	31·4	+1·2	35.5	1	22·5	—0·2	20·8	3	79·7	316·2	+5·4	63·0	16	16	—0·7	25·4	21·4	+4·0	0	17	0	0	3	0	0	0	3	0	0
Chanda	31·2	—0·1	35·8	1	23·7	—0·6	21·8	3	120·8	336·2	—78.1	47·0	3	18	+1·1	19·2	13·4	+0·5	1	21	0	0	17	0	0	0	0	0	0
Pusad	32·5	..	36·4	1	23.0	..	20·6	3	98·2	282·1	..	89·6	15	13	..	20·3	14·5	..	0	16	0	0	0	0	0	0	0	0	0
Sironcha	31·5	0	36·6	1	24.5	—0·4	22·7	13	55·7	516·6	+77·6	205·0	15	14	—4·4	9·1	6.6	+0·9	0	21	0	0	0	0	0	0	0	0	0
Coastal Andhra Pradesh																														
Kalingapatam	31·6	—0 5	36·0	10	25·6	=0·5	23·3	12	123·0	226.9	+86·2	52·0	15	12	+3·4	21·5	18·2	+6·1	0	14	0	0	0	0	1	0	0	0	0
Vishakhapatnam	33·6	+0·5	39·2	7	26·3	+0.4	24·2	14	49·5	124·2	+11·9	40·4	14	9	+0·5	24·9	19·3	+4·0	0	16	0	0	3	0	0	0	0	0	0
Kakinada	32·8	+0·4	37·5	10,11 12	25·1	—0·7	22·0	26	28·6	119·0	—47·4	26·4	14	10	—1·1	17·0	12·5	+3·2	0	13	0	0	0	0	0	0	0	0	0
Nidadavole.	31·4	..	36·0	2	24·9	—0·1	22·9	15	131·5	259·4	..	63·4	4	13	..	20·3	13.7	..	0	20	0	0	0	0	0	0	0	0	0
Rentachintala	34·1	+0·2	38·0	10	25·8	0.1	23·1	12,21	57·0	157·6	+35·7	44·0	15	11	+2·0	15·1	15·1	0	0	11	0	0	0	0	0	0	0	0	0
Gannavaram	32·8	+0·2	38·7	2	25·0	0·3	22·0	14	74·0	189·5	—68·8	33·5	14	17	+2·9	25·8	18·1	+1.9	0	20	0	0	4	0	0	0	0	0	0
Nagarjuna Konda (R)																														
Masulipatam	32·9	—0.7	38.3	2	25·0	—0·6	22·4	4	32·6	150·8	—11.5	19·0	30	12	+1·3	7·3	5·2	—5·4	0	17	0	0	3	0	0	0	0	0	0
Ongole	34.2	..	37.7	2	26.5	..	22.5	3	27.4	120.6	..	68.4	3	7		16.3	11.7	..	0	9	0	0	0	0	0	0	0	0	0
Nellore	35·8	—0.3	39·0	9	26·4	—0·2	22·9	20	0	63·2	—6·7	26·8	20	4	—1·5	16.9	10.7	+1·4	1	8	0	0	0	0	0	0	0	0	0

(R) Register not received. (c) Mean of 28 days. (d) Mean of 27 days. (b) Mean of 29 days. (a) Mean or total for 30 days. (i) Mean of 22 days. (h) Mean of 5·23 days.

Sub-Division and Station	Air temperature in °C								Rainfall in millimetres					No. of rain days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28
Telangana																												
Ramgundam	32·0	—0·4	36·6	1	22·1	—2·6	20·2	20,21	46·4	371·8	+77·0	122·6	20	17	+0·6	11·3	9·5	+2·5	0	19	0	0	3	0	0	0	0	0
Nizamabad																												
Hanamkonda	31·9	+0·7	35·9	2	23·6	—0·7	21·9	2	51·2	369·4	+137·2	85·6	20	11	—2·4	14·7	13·3	+2·5	1	16	0	0	2	0	0	0	0	0
Hakimpet (Aerodrome)	29·1	..	33·1	9	21·1	..	19·4	2	74·8	367·3	..	116·1	15	13	..	..	..	..	0	17	0	0	5	0	0	0	0	0
Bhadrachalam	32·0	+0·1	36·2	9	24·8	—0.1	22·8	13	55·6	365·5	+126·4	113·8	14	15	+1·2	7·2	7·9	—0.8	0	18	0	0	6	0	0	0	0	0
Hyderabad (Begampet)	30·1	—0.3	33·6	7,8	21·4	—0·8	19·0	13	145·6	393·0	+240·9	110·4	15	13	+1·9	31·9	28·1	+7·7	0	16	0	0	5	0	0	0	0	0
Khammam	31·6	..	36·4	9	24·3	..	21 7	13	122·2	372·0	..	67·6	19	15	..	13·8	9·7	..	0	16	0	0	0	0	0	0	0	0
Mahbubnagar	29·8	..	33·8	8	22·1	..	20·7	2,21	76·6	296·5	..	80·4	20	16	..	15·9	14·3	..	0	20	0	0	3	0	0	0	0	0
Rayalaseema																												
Kurnool	32·1	—1·0	35·7	7	23·2	—0·7	21·0	14	49·0	146·7	+34·4	46·5	14	9	—0·3	28·9	23·1	+6·4	0	13	0	0	0	0	0	0	0	0
Anantapur	33·8	+1·1	37·2	8	24·2	+0·3	23·0	14	1·5	5·6	—56·1	2·3	14	0	—4·0	29·3	23·2	+4·1	1	5	0	0	0	0	1	0	0	0
Cuddapah	34·3	—0·1	37·3	8,9,10	25·3	—0·3	22·6	14	13·4	93·4	—10·0	40·6	14	6	—0·7	..	..	..	0	7	0	0	0	0	0	0	0	0
Arogyavaram	31·9	..	36·0	12	21·0	..	19·2	16	1·8	15·8	..	4·0	16	3	..	23.2	16·0	..	0	5	0	0	0	0	0	0	0	0
Madras State (Including Pondicherry)																												
Madras	35·3	..	39·0	11	25·7	..	23·5	19	4·2	89·6	..	30·8	19	7	..	16·8	10·0	..	0	15	0	0	0	0	0	0	0	0
Madras (Minambakham)	35·4	—0·3	38·6	11	25·6	—0·7	21·9	5	5·5	137·0	+45.6	49·0	19	11	+4·2	16·1	12·9	—2·9	1	14	0	0	11	0	0	0	0	0
Vellore	35·4	+0·9	38·4	5	25·0	—0·1	22·1	3	0	76·1	—39·5	19·4	31	7	+0·7	15·3	12·3	+4·3	0	10	0	0	3	0	0	0	0	0
Tambaram (Aerodrome).	36·3	..	40·5	11	25·3	..	22.8	19	4·8	106·6	..	32·8	19	11	..	..	..	..	0	13	0	0	11	0	0	0	0	0
Tirupattur	34·5	..	38·1	11	22·5	..	20·0	5	13·5	30·0	..	16·5	3	2	..	16·0	10·4	..	0	2	0	0	0	0	0	0	0	0
Mettur Dam R.S.	35·3	..	36·9	24	24·7	..	23·0	15	15·0	57·7	..	26·2	5	4	..	5·0	5·4	..	0	4	0	0	0	0	0	0	0	0
Cuddalore	36·7	+1·1	38·4	29	25·9	0	23·7	30,31	8·4	113·7	+47·7	70·0	30	5	—0·3	12·8	11·6	+4·2	0	6	0	0	3	0	0	0	0	0
Kallakkurichchi	36·6	..	39·0	7,19	25·4	..	22·4	25	1·0	50·3	—21·3	14·8	24	5	0	12·5	10·3	..	0	8	0	0	4	0	0	0	0	0
Salem	34·4	+0·5	36·6	7	24·0	+0.7	22·1	3	11·2	48·9	—47·4	18·7	3	5	—2·1	10·8	8·6	+1.8	2	6	0	0	5	0	0	0	0	0
Coimbatore (Pilamedu)	30·8	..	33·8	11,12	21·2	..	18·6	21	6·4	14·0	..	4·9	16	3	..	37·1	30·5	..	0	5	0	0	1	1	0	0	0	0
Coimbatore	30·5	+0·1	33·0	11	21·3	—0·4	19·2	21	..	19·4	—22.5	6·0	16	3	—1·7	..	16·5	+5·9	0	4	0	0	0	0	0	0	0	0
Nagapattinam	36·3	+0·7	38·0	2	26·2	+0·1	23·5	31	12·4	33·2	—10.0	16·2	31	7	+0·1	16·2	12·8	+3·1	0	3	0	0	2	0	0	0	0	0
Tiruchchirappalli	36·5	0	38.6	8	26·0	+0.3	22·3	9	0	50·7	+22.4	55·5	9	1	—1·1	33·3	17·7	—12·4	0	2	0	0	5	0	1	0	0	0
Vedaranniyam	35·8	..	39·6	19	25·3	..	23·3	22,27	0	5·4	..	3·3	4	1	..	9·6	6·7	..	0	2	0	0	0	0	0	0	0	0
Atirampattinam	34·2	..	39·4	15	25·4	..	22·6	12	0	79·2	..	63·0	4	3	..	16·5	11·3	..	0	5	0	0	1	0	0	0	0	0
Madurai	36·9	+1·4	38·8	24	25·5	+0·3	23·6	11	..	10·6	—38.9	6·2	25	2	—0.7	..	6·0	—1·9	0	2	0	0	1	0	0	0	0	0
Madurai (Aerodrome).	36·4	..	38·2	7	25·4	..	22·4	22	0.9	1.1	..	0.4	3	0	..	19·5	16·8	..	2	2	0	0	5	0	0	0	0	0
Tondi	32·8	..	38·9	14	25·9	..	23·6	30	0	8.3	..	7.5	30	1	..	21·2	16·3	..	0	2	0	0	1	0	0	0	0	0
Pamban	32·4	+0·6	34·1	2,3	26·5	+0·2	25·0	30	0	1.8	—9·9	1.8	30	0	—0·8	24·0	18·0	+2·7	0	1	0	0	0	0	0	0	0	0
Tuticorin	35·0	+0·6	37·2	10,28	25·6	—0·9	23·5	30	6·8	6.8	—3·6	3·6	30	2	+1·2	23·0	19·7	0	0	2	0	0	0	0	0	0	0	0
Palayankottai	35·8	+1.4	38·8	7	25·6	—0.8	23·4	30	6·6	6·8	—1·2	6·6	30	1	+0.4	23·8	19·0	+1.5	1	1	0	0	0	0	0	0	0	0
Kanniyakumari	30·7	..	33·1	6	24.3	..	22.1	30	15 2	41·0	..	16·0	30	4	..	23·6	20·6	..	0	6	0	0	0	0	0	0	0	0
Coastal Mysore																												
Karwar	28·3	+0·3	30·2	11	24·4	+0·4	22·3	2	332·0	763·0	—242·4	146·0	15	24	—3·6	14·2	13·9	..	0	28	0	0	0	0	0	0	0	0
Honavar	28·3	0	30·1	11	24·1	+0·5	21·6	21	449·1	744·2	—329·7	84·9	30	27	—2·5	..	..	..	0	30	0	0	0	0	0	0	0	0
Mangalore (Bajpe).	28·3	..	29·9	7,11,12	23·1	..	20·9	31	331·1	874·0	..	200·9	30	24	..	10·6	8·2	..	1	29	0	0	7	0	0	0	0	0
Mangalore	29·5	+0·8	31·4	11,12	..	..	..	..	306·8	868·2	—119·9	172·4	30	24	—3·5	12·2	10·7	+1·7	0	28	0	0	0	0	0	0	0	0
Interior Mysore North																												
Bidar	28·9	—0·4	32·8	9	20·6	—0·5	18·8	28,29	126·6	336·0	+129·7	171·6	15	12	+0·4	30·5	28·0	+5·8	0	15	0	0	0	0	0	0	0	0
Gulbarga	30·4	—1·5	34·8	8	21·9	—0·3	19·4	12	56·8	207·4	+6[illegible]·6	40·4	15	13	+3·9	26·8	21·5	+4·4	0	15	0	0	2	0	0	0	0	0
Bijapur	30·1	—0·2	34·0	7	21·6	0	20·9	16	11·0	41·3	—18.9	12·2	22	7	+2·7	21·9	15·7	+0·6	0	9	0	0	0	0	0	0	0	0
Raichur	31·9	—0·5	38·0	11	22·0	—0·7	20·6	7	34·2	97·1	—22·3	18·6	14	10	+1·6	25·2	21·6	+6·2	0	13	0	0	0	0	0	0	0	0
Belgaum	24·6	—6.7	26.8	8	20 0	+0 7	18 0	13	267·4	719.8	+293.3	119.4	21	28	+5.9	14.2	8.7	—5·6	0	31	0	0	0	0	0	0	0	0
Belgaum (Samra)	25.1	..	27·8	8	29·1	..	18·4	13	176 8	419·0	..	83 6	21	23	..	22·2	17·9	..	0	31	0	0	0	0	0	0	0	0
Gadag	28·2	—0·2	32·2	7	20.7	—0.4	19.9	14,31	33·1	44·1	..29.3	11·9	25	6	—0·9	25·9	21.5	+1.7	1	15	0	0	1	0	0	0	0	0
Interior Mysore South																												
Bellary	31·9	—0·7	35·4	8	24·1	+0·2	22·4	21	8·0	18·0	—22·9	14.0	21	2	—1·4	21·5	16·7	+3·0	0	2	0	0	0	0	0	0	0	0
Chitradurga	27.6	—0·5	31·7	8	20·6	+0·1	19·8	15	35·6	50·8	+22·1	9·8	16	7	—1·2	9·3	8·3	—4·9	4	12	0	0	0	0	0	0	0	0

(R) Register not received.

(b) Total for 29 days.

(c) Mean of 28 days.

Sub-Division and Station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Interior Mysore South—(Contd.)																													
Shimoga	27·1	+0·3	30·1	8	21·4	+0·3	20·4	30	165·4	299·2	+16·4	68·8	16	15	−3·9	6·7	5·7	−4·9	0	19	0	0	0	0	0	0	0	0	0
Agumbe	22·9	..	25·0	8	19·2	..	17·4	5	..	427·5	..	111·4	30	19	..	..	8·3	..	0	31	0	0	0	0	0	0	0	0	0
Balehonnur	23·6	+0·8	26·0	11	17·6	−0·1	16·1	31	..	904·1	+25·5	210·0	16	21	−7·3	..	..	..	0	25	0	0	0	0	0	0	0	0	0
Hassan	24·5	−0·8	29·3	9	18·2	−0.5	16·9	10	37·4	144·2	−3·1	33·0	20	14	+0·8	15·5	12·1	+0·8	0	18	0	0	0	0	0	0	0	0	0
Bangalore	27·9	+0·5	30·9	8	19·5	+0·8	18·2	10	37·9	60·1	−39·7	38·5	3	5	−3·0	21·3	18·0	+4·5	0	10	0	0	1	0	0	0	0	0	0
Bangalore (Aerodrome).	28·5	..	31·6	8	18·6	..	17·3	5	36·3	47·9	..	37·0	3	2	..	..	..	..	1	7	0	0	0	0	0	0	0	0	0
Mysore	27·8	−0·1	31·5	8	19·6	0	18·1	11	27·0	47·2	−20·1	13·0	16	6	−1·3	21·9	15·4	+1·1	0	8	0	0	0	0	0	0	0	0	0
Kerala																													
Calicut	28·7	+0·7	31·2	23	23·4	0	20·7	22	104·0	520·2	−304·3	92·8	1	20	−6·5	10·7	10·1	+2·4	0	22	0	0	0	0	0	0	0	0	0
Palghat	28·5	..	30·6	7,11	22·2	..	19·0	21	174·1	387·5	..	67·0	14	21	..	16·2	13·7	..	0	22	0	0	0	0	0	0	0	0	0
Fort Cochin	28 6	+0·5	30·6	17	23·7	0	21·7	24	116·0	515·9	−76 2	121·9	1	19	−5·2	14·8	9·5	+1·5	0	22	0	0	2	0	0	0	0	0	0
Cochin (Naval Air Station).	29·4	..	30·9	14	23·3	..	20·7	21	142·0	431·7	..	71·7	1	19	..	7·5	4·5	..	0	21	0	0	3	0	0	0	0	0	0
Alleppey	29·5	+0·7	31·2	14	23·6	+0·2	21·7	24	37·4	299·2	−24+·6	57·8	1	17	−6·1	14·7	11·9	+1·1	0	19	0	0	0	0	0	0	0	0	0
Punalur	31·0	..	32 4	4 days	22·4	..	20·6	21	50·6	197·0	..	26·0	1	14	..	3·2	2·3	..	0	17	0	0	0	0	0	0	0	0	0
Trivandrum	29·9	+0·7	32·4	21	23 3	+0·1	21·6	21	78·4	136·3	−61·1	39·9	30	9	−5·3	16·6	11·8	+1·5	1	19	0	0	1	0	0	0	0	0	0
Trivandrum (Aerodrome).	29·9	..	30·8	6,27	23·5	..	22·0	31	..	106·0	..	28·6	30	12	..	..	10·7	..	0	16	0	0	0	0	0	0	0	0	0
Arabian Sea Islands																													
Amini	29·6	−0·1	30·6	7	25.7	+0·4	23·2	4	38·5	119·1	−180·9	29·3	1	11	−4·7	32·8	34·2	+11·7	1	16	0	0	0	0	0	0	0	0	0
Agatti	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Androth	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Minicoy	30.2	+0·8	31·3	29	25·1	−0·2	21·8	31	56·2	189.0	−36.0	106·9	30	8	−5·7	15.3	13·7	−5·1	0	13	0	0	0	0	0	0	0	0	0
Hill Station excluding Kashmir																													
Dalhousie	23·7	0	30·0	1,8	15·0	−1·8	10·0	2	282·0	992·0	+392·6	179·0	26	16	−3·5	3·7	3·0	+0·2	0	20	0	0	7	0	0	0	0	0	0
Dharmsala	27·6	+0 3	33·9	8	20·2	−1·0	15·8	9	153·4	642·2	−413·1	143·6	22	17	−5·3	6·0	4·1	+0·3	0	23	0	0	14	0	0	0	0	0	0
Simla	21·9	+0·3	26·9	8	..		..	..	169·8	272·1	−141·9	49·4	18	16	−3·7	2·1	2·0	+0·3	0	22	0	0	3	0	0	0	0	0	0
Dharmpur	..	..	..	..	..	..	..	..	..	297·9	−105·7	44·8	20	17	−0·7	..	..	..	0	19	..	..	..	..	..	..	..	..	..
Lokpal	9·2	..	12·2	13	4.7	..	2·3	1	..	192·2	..	30·0	23	19	..	..	..	..	0	22	0	0	0	14	0	0	0	0	0
Badrinath (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..
Joshimath	25.9	..	28·9	14	17·6	..	14·9	10	27·2	103·8	..	28·6	15	13	..	5·9	4 0	..	0	16	0	0	0	4	0	0	0	0	0
Mussoorie	21·5	+0·8	24·1	4days	16·6	+0.7	14·0	9,10	266·0	652·6	−44·9	137·0	14	19	−4·2	8·7	7·8	+1·0	0	21	0	0	7	17	0	0	0	0	0
Mukteswar (Kumaun).	21·8	+1.0	25·3	2	13 3	−1·1	10·8	11	73·6	235·0	−79·2	32·4	21	17	−0·8	14·8	14·2	+5·8	0	20	0	0	11	17	0	0	0	0	0
Nainital	21·8	+0·4	24·0	4days	15·9	−1·0	12·5	27	214 0	498·0	−271·4	69·0	25	20	−3·6	12·0	9·0	+0·7	0	24	0	0	0	0	0	0	0	0	0
Kalimpong	26 9	+2·8	28·3	19	18·9	−0·7	17·0	3	81·8	374·8	−203·3	46·0	12	22	+0·1	21·9	18·4	+9·7	0	22	0	0	0	0	0	0	0	0	0
Darjeeling	18·8	−0 8	21·1	26	14·7	−0·6	13·4	3	196·2	591·2	−245·0	92·8	24	27	+1·4	3·0	2·7	+0·4	0	27	0	0	0	21	0	0	0	0	0
Kohima	25·4	..	33·1	6,7	19·6	..	15·7	10	197·6	370·2	..	49·8	26	20	..	..	..	..	0	23	0	0	11	0	0	0	0	0	0
Shillong	25.4	+1·3	29·4	6	17·8	−0·3	16·0	8	41·4	207·6	−139·1	44·6	29	10	−8·2	2·8	2·2	−1·3	0	13	0	0	0	0	0	0	0	0	0
Cherrapunji (R)																													
Abu	24·8	+0·7	30·6	16	18·1	−0·8	16·8	26	424·4	841·4	+282·9	321·2	31	18	+0·2	27·4 (b)	16·5 (b)	+3·6	0	21	0	0	3	0	0	0	0	0	0
Mijal	25·0	..	28·8	14	18·8	..	18·0	5days	24·9	226·3	..	51·4	8	16	..	7·8	11.5	..	0	22	0	0	0	0	0	0	0	0	0
Pachmarhi	25·5	+0.8	32·5	1	19·4	−0·5	18·4	26	167·2	608·6	−57·6	112·6	29	20	−2·0	10·6	11·1	−0·5	0	24	0	0	6	0	0	0	0	0	0
Mahabaleshwar	18·7	+0·1	19·9	2	16·5	−0·3	15·0	16	1381·3	3631.5	+956·1	279·4	16	31	+0·9	23·8	23·4	+2·8	0	31	0	0	0	31	0	0	0	0	0
Mercara	20·7	+0·3	23·6	8	15·9	−0·8	14·8	11	291·5	742·7	−352·3	95·0	15	21	−7·5	20·1	17·0	+5.4	1	23	0	0	0	25	0	0	3	0	0
Botacamund (R)																													
Coonoor (R)																													
Kodaikanal	18·5	+1·7	20·8	23	10·7	−0.5	8·7	21	99·4	104·0	−14·1	34·6	3	3	−7·2	16·0	17·8	+0·9	1	9	0	0	3	1	0	0	0	0	0
Nepal																													
Katmandu	26·8	..	29·3	18	19·8	..	18·0	26	66·4	345·5	..	60·8	7	18	..	1·3	0·7	..	1	22	[illegible]	0	11	0	0	0	0	0	0
Sikkim																													
Gangtok	(j) 18·0	..	..	..	(p) 6·4	..	..	..	..	(i) 125·6	..	..	..	..	..	..	..	..	0	19	0	0	0	0	0	0	0	0	0
Meteorological Observatories																													
Ramanadam Catchment																													
Nilaiya	31.5	..	34.8	1	24.6	..	22.3	3	90·5	191·9	..	33.2	29	13	..	12·7	10.0	..	2	22	0	0	4	0	0	0	0	0	0
Hazaribagh	29.3	..	33.7	1	22.3	..	20.6	10	56·5	343.3	..	76.4	29	18	..	12.1	7.8	..	1	25	0	0	10	0	0	0	0	0	0

(R) Register not received. (b) Mean of 29 days. (j) Mean of 21 days. (p) Mean of 15 days. (i) Mean of 22 days.

Sub-Division and Station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28
Hydrometeorological Observatories—*(Contd.)*																												
Damodar Catchment—*Contd.*																												
Konar	34.0	..	39.9	23	23.0	..	20.1	9	69.1	385.6	..	77.5	29	19	..	10.0	8.0	..	0	24	0	0	0	0	0	0	0	0
Bokaro	32.1	..	35.6	11	22.4	..	20.2	10	143.1	390.5	..	93.2	29	22	..	9.9	7.8	..	2	26	0	0	6	0	0	0	0	0
Maithon	32.3	..	35.1	12,23	23.1	..	21.4	1	147·9	392.1	..	67.7	31	18	..	..	..	..	0	21	0	0	14	0	4	0	0	0
Ramgarh	32.7	..	36.4	13,18	24.5	..	21.0	24	186.6	503.9	..	97.4	29	21	..	8.3	5.9	..	0	24	0	0	9	0	1	0	0	0
Panchet Hills	31.7	..	35.3	11	25.3	..	23.6	8	113.0	268.6	..	31.6	26	20	..	8.1	6.8	..	0	24	0	0	0	0	0	0	0	0
Durgapur	31.8	..	35.0	8	24.7	..	22.0	10	12.4	370·8	..	114.2	1	13	..	17.6	13.5	..	1	20	0	0	0	0	0	0	0	0
Mahanadi Catchment																												
Ginabahar	30.6	..	33.5	11,12	22.1	..	19.3	1	..	389·0	..	74.0	29	17	..	..	..	..	1	23	0	0	8	0	0	0	0	0
Hirakud	32.1	..	35.7	11	25.4	..	23.7	22	145.3	340.2	..	88.0	20	18	..	9·3	7.8	..	0	23	0	0	10	0	0	0	0	0
Bhimkund	31.0	..	36.5	12	24.0	..	21.8	12	270.6	522.5	..	174·0	28	15	..	7·6	3.8	..	0	24	0	0	21	0	0	0	0	0
Sonepur	31.9	..	36.0	1,11	25.3	..	20.1	12	..	574.2	..	157.4	19	17	..	..	11.0	..	0	19	..	..	..	..	..	..	..	..
Khijrawan	30.0	..	34.1	1,2	..	..	..	..	0	158.5	..	25.6	13	10	..	18.2	12·8	..	0	18	0	0	0	0	0	0	0	0
Narmada Catchment																												
Bagra Tawa	31.7	..	39.6	1	24.5	..	22.7	28	213·4	471.3	..	169.0	28	12	..	12.1	10.0	..	1	20	0	0	3	0	0	0	0	0
Punasa	35.1	..	43.9	13	24.4	..	22.9	17	..	..	..	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	0
Thikri	34.5	..	41.9	17	25.1	..	21.7	31	..	199.2	..	46.6	16	11	..	..	..	..	3	16	..	..	..	..	..	..	..	..
Sabarmati Catchment																												
Daroi	33.6	..	40.0	16	25.6	..	24.0	4,30	128.2	422.1	..	124.0	17	13	..	..	..	..	0	17	..	..	..	..	..	..	..	..
Gandak Catchment																												
Jomosom	24.7	..	28.6	12	13.9	..	11.6	30	15·8	57.8	..	31.0	30	4	..	..	..	..	0	6	..	..	..	..	..	..	..	..
Khudi Bazar	28·2	..	30·6	17	21.4		19.7	31	184.8	931.6	..	137.0	9	23	..	..	..	..	0	28	..	..	..	..	..	..	..	..
Timure	24.9	..	27.8	21	..	..	..	..	11.4	244.9	..	32.4	28	22	..	..	..	..	0	27	..	..	.	..	..	..	..	..
Pokhara	28.2	..	30.7	28	21.7	..	20.0	30	102.2	795.2	..	88.7	13	25	..	3·9	2.8	..	0	28	0	0	14	0	0	0	0	0
Gorkha	26.7	..	29.2	17	21.3	..	18.9	31	189·5	703.4	..	259.0	7	19	..	..	..	..	0	24	0	0	12	21	0	0	0	0
Nuwakot	28·2	..	30.7	17	20.8	..	19.0	26	152.6	503.6	..	111.2	7	24	..	..	..	..	0	26	..	..	..	..	..	..	..	..
Ghaghara Catchment (Trans-Himalayan Region)																												
Dailekh	25·7	..	27·8	17	19·1	..	17·1	2,6,20	138.8	402.8	..	43.2	10	17	..	..	..	..	0	17	..	..	..	..	..	..	..	..
Ghaghara Catchment																												
Dadeldhura	23·7	..	27·4	8	16·4	..	14·4	19	141·2	313.1	..	70.0	18	19	..	6·7	5·6	..	1	23	0	0	12	15	0	0	0	0
Sallayana	26·3	..	29·5	12	18·7	..	17·1	9	38.8	260.6	..	60.4	6	19	..	..	..	..	1	21	..	..	..	..	..	..	..	..
Butwal	31·9	..	35·4	28	25·3	..	22·5	30	172.8	743.0	..	152.5	1	20	..	..	..	..	0	23	..	..	..	..	..	..	..	..
Baghmati Catchment																												
Katmandu*																												
KosiCatchment																												
Chautara	25·5	..	28·1	17	18·2	..	17·1	18,30	66·4	414·0	..	61·5	7	24	..	..	..	..	0	27	..	..	..	..	..	..	..	..
Walungchung Gola	15·9	..	18·4	14	9·8	..	7·9	3	70·8	274·7	..	23·5	1	27	..	..	..	..	0	30	..	..	..	..	..	..	..	..
Taplethok	26·6	.	30·6	17	18·4	..	17·4	1,2	0	447·4	..	59·6	24	27	..	..	..	..	0	27	..	..	..	..	..	..	..	..
Bhojpur	23·1	..	25·4	28	18·2	..	17·2	10,29	77·2	229·0	..	45·7	24	15	..	..	..	..	0	17	..	..	..	..	..	..	..	..
Taplejung	23.7	..	26·1	15	17·3	..	16·1	3	46·5	423·8	..	56·8	12	22	..	4.3	3.0	..	0	28	0	0	1	16	0	0	0	0
Okhaldhunga	23·1 (f)	..	26·6	29	16·8	..	15·9	3,4	177·6	607·6	..	130·1	31	21	..	2.2	1.9	..	0	25	0	0	4	24	0	0	0	0
Chainpur	27·2	..	29.2	28	20·0	..	18·5	30	57·0	255.2	..	36·0	24	19	..	..	..	..	0	26	..	..	..	..	..	..	..	..
Angbung	..	..	..	..	..	..	..	..	70.6	272.0	..	50.4	6	15	..	..	..	..	0	15	..	..	..	..	..	..	..	..
Barahakshetra	30·5	..	35·1	28	23.7	..	22.4	3,24	221·8	533·3	..	103·6	7	19	..	2·7	1·1	..	2	23	0	0	7	0	0	0	0	0
Tista Catchment																												
Gangtok	23·0	..	26·5	16	17·2 (a)	..	15·2	2	119·0	507·2	..	56·6	2	27	..	1·0	0·9	..	0	31	0	0	1	30	0	0	0	0
Gezing	24.9	..	28·0	28	17·9	..	16·7	26	60·5	545·8	..	95·3	23	21	..	..	..	..	0	25	..	..	..	..	..	..	..	..

*Data included under Nepal.

(f) Mean of 25 days.

(a) Mean of 30 days.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bay Islands																											
Maya Bandar	0830	28	1008·2	1005·1	..	27·3	25·9	25·3	32·2	88	..	5·8	..	12·3	0	7	23	0	0	0	1	0	24	5	0	1	0
	1730	,,	1006·3	1003·1	..	27·1	25·7	25·1	31·9	89	..	6·0	..	13·9	0	8	22	0	0	0	1	0	23	6	0	1	0
Long Island	0830	25	1008·5	1005·6	..	27·9	25·6	24·6	30·9	82	..	5·9	..	3·7	0	0	22	0	0	0	0	2	16	4	0	9	0
	1730	,,	1006·7	1003·9	..	27·4	25·2	24·2	30·2	83	..	6·1	..	3·7	0	0	23	0	0	0	0	0	18	5	0	8	0
Port Blair	0530	79	1007·9	998·9	..	25·5	24·0	23.3	28·6	88	..	7·2	..	18·3	0	15	14	0	0	0	0	0	10	16	3	2	0
	0830	,,	1009·0	1000·1	+1·6	27·6	25·1	23·9	29·7	81	−3	7·2	+0·6	23·5	0	19	11	0	0	0	0	0	12	15	3	1	0
	1130	,,	1008·3	999·5	..	28·5	25·3	23·9	29·7	76	..	7·3	..	28·9	0	23	8	0	0	0	0	2	13	12	4	0	0
	1730	,,	1007·4	998·5	..	26·6	24·7	23·9	29·7	85	..	7·3	..	22·1	0	21	10	0	0	0	0	1	13	15	2	0	0
	2330	,,	1008·7	999·7	..	25·6	24·2	23·6	29·1	89	..	6·1	..	19·2	0	16	13	0	0	0	0	0	10	13	6	2	0
Carnicobar	0830	10	1009·6	1008·5	..	28·2	25·2	23·9	29·7	78	..	4·6	..	3·4	0	0	25	0	0	0	0	0	22	0	3	6	0
	1730	,,	1008·1	1006·8	..	27·5	25·0	23·9	29·7	81	..	4·4	..	3·1	0	0	21	0	0	0	0	2	18	0	1	10	0
Nancowry	0830	26	1010·6	1007·7	..	27·8	25·5	24·5	30·7	83	..	5·1	..	11·1	0	5	25	0	0	0	0	1	22	6	1	1	0
	1730	,,	1008·5	1005·6	..	27·4	25·4	24·5	30·7	84	..	4·3	..	9·4	0	2	28	0	0	0	0	1	20	8	1	1	0
Kondul	0830	8	..	..	..	27·9	25·3	24·2	30·0	80	..	4·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	27·3	25·1	24·1	30·0	83	..	5·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Assam (Including NEFA)																											
Pasighat	0830	157	1003·4	985·8	..	25·8	24·7	24·3	30 4	91	..	7·3	..	6.3	0	2	23	0	5	0	5	1	4	0	10	6	0
	1730	,,	999·8	982·3	..	28·1	25·9	25·0	31·7	84	..	6·5	..	2·9	0	0	16	0	0	2	2	2	1	4	5	15	0
Dibrugarh (Mohanbari)	0230	111	1001·2	988·7	..	25·2	24·4	24·0	29·8	94	..	7·4	..	3.9	0	0	18	0	14	1	0	0	2	0	1	13	0
	0530	,,	1001·8	989·3	..	24·8	24·2	23·9	29·7	95	..	7·6	..	5·5	0	0	26	2	11	4	4	2	2	0	1	5	0
	0830	,,	1002·9	990·4	+0·3	26·3	25·0	24·5	30·7	89	+2	7·4	+0·8	6·1	0	0	28	6	7	7	2	2	2	0	2	3	0
	1130	,,	1001·9	989·5	..	28·1	25·6	24·5	30·7	82	..	7·0	..	6·8	0	0	31	8	14	2	2	1	2	0	2	0	0
	1430	,,	999·8	987·5	..	29·7	26·2	24·7	31·1	76	..	6·1	..	6·5	0	0	29	4	11	5	2	1	1	1	4	2	0
	1730	,,	999·1	986·8	..	28·8	26·0	24·8	31·3	79	..	6·2	..	5·5	0	0	27	2	15	5	2	1	0	0	2	4	0
	2030	,,	1001·0	988·5	..	26·7	25·4	24·9	31·5	89	..	6·1	..	5·0	0	0	19	1	14	1	3	0	0	0	0	12	0
	2330	,,	1001·6	989·1	..	25·8	24·8	24·4	30·5	92	..	6·8	..	5·6	0	0	23	1	12	3	5	1	1	0	0	8	0
Digboi	0830	152	1005·2	988·0	..	26·4	25·3	24·9	31·5	91	..	3·9	..	4·5	0	0	31	2	7	12	0	3	2	2	3	0	0
	1730	,,	1002·5	985·4	..	28·2	26·4	25·7	33·0	87	..	3·6	..	3·9	0	0	31	5	7	11	3	2	0	3	0	0	0
North Lakhimpur	0830	102	1003·1	991·6	+0.4	26·7	25·3	24·7	31·1	89	−1	7·7	+0·4	6·1	0	1	26	8	5	5	0	5	3	0	1	4	0
	1130	,,	1002·1	990·7	..	29·0	26·2	25·0	31·7	80	..	6·8	..	8·3	0	2	26	6	6	5	1	6	3	1	0	3	0
	1430	,,	999·6	988·3	..	30·3	26·6	25·1	31·9	74	..	5·7	..	7·7	0	3	25	3	8	7	1	6	3	0	0	3	0
	1730	,,	999·4	988·0	..	29·0	26·4	25·3	32·2	81	..	6·3	..	4·8	0	0	24	4	6	4	2	3	4	0	1	7	0
Sibsagar	0830	97	1003·2	992·4	+1·0	27·7	25·7	24·8	31·3	85	−2	7·5	+0·3	4·9	0	0	25	5	6	2	3	3	6	0	0	6	0
	1730	,,	999·3	988·6	..	30·1	26·9	25·6	32·8	78	..	6·5	..	4·5	0	0	26	7	8	1	1	2	6	0	1	5	0
Gohpur (R)	0830	83																									
(R)	1730	..																									
Majbat	0830	..	..	..	..	27·4	26·0	25·4	32·4	89	..	6·1	..	4 8	0	0	29	0	11	3	1	0	12	2	0	2	0
	1730	..	..	..	..	29·5	27·8	27·1	35·9	88	..	6.3	..	3·1	0	0	24	2	5	2	6	2	7	0	0	7	0
Jorhat (Aerodrome)	0530	90	1001·3	991·2	..	25·4	27·1	24·9	31·5	97	..	7·4	..	0·5	0	0	11	1	5	0	0	0	5	0	0	20	0
	0830	,,	1002·3	992·3	..	28·1	26·0	25·1	31·9	84	..	7·1	..	1·7	0	0	24	0	11	1	0	0	11	0	1	7	0
	1130	,,	1001·4	991·5	..	30·0	26·8	25·5	32·6	77	..	6·4	..	1·5	0	0	23	3	12	0	0	0	5	1	2	8	0
	1730	,,	998·2	988·6	..	29·6	26·5	25·3	32·2	78	..	6·5	..	1·3	0	0	19	2	7	2	0	0	3	3	2	12	0
	2330	,,	1001·1	991·0	..	26·3	25·5	24·9	31·5	94	..	6·9	..	0·6	0	0	9	0	2	0	1	0	6	0	0	22	0
Tangla	0830	78	1002·3	993·5	..	28·0	27·2	26·9	35·4	96	..	2·4	..	1·6	0	0	22	0	0	0	10	1	11	0	0	9	0
	1730	,,	998.8	990·2	..	30·5	29·2	28·7	39·4	91	..	2·0	..	1·4	0	0	20	0	1	0	6	2	11	0	0	11	0
Tezpur	0830	79	1003·0	994·2	+0·5	27·0	25·6	25·0	31·7	88	+2	7·2	+0 6	3·1	0	0	27	1	3	2	2	3	4	2	0	4	0
	1730	,,	999·2	990·5	..	29·9	26·5	25·1	31·9	75	..	5·4	..	2·6	0	0	23	1	9	3	3	0	6	1	0	8	0
Golaghat	0830	95	1003·4	992·8	..	27·9	25·6	24·6	30·9	83	..	(a) 5·6	..	(a) 0·5	0	0	8	3	1	0	2	0	1	1	0	22	0
	1730	..	998·5	988·0	..	30·3	26·6	25·1	31·9	72	..	4·6	..	0·7	0	0	8	1	3	0	1	2	0	0	1	23	0
Rangia	0830	60	1003·2	996·4	..	28·5	26·1	25·1	31·9	83	..	6·0	..	8·8	0	3	28	0	2	12	4	2	3	6	2	0	0
	1730	..	1000·0	993·2	..	30·0	26·8	25·5	32·6	77	..	4·8	..	5·4	0	0	28	0	4	8	2	3	2	8	1	3	0
Chaparmukh	0830	66	1003·9	996·6	..	28·5	26·2	25·3	32·2	83	..	6·3	..	5·5	0	0	31	0	3	7	15	2	1	1	1	0	1
	1730	,,	1000.5	993·2	..	29·6	26·8	25·8	33·0	78	..	5·2	..	4·3	0	0	29	2	5	6	2	2	4	7	1	2	0

(a) Mean of 30 days. (R) Register not received.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amoun (Oktas): Mean amount	Cloud amoun (Oktas): Departure from normal	Mean wind speed in Kms. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
North Assam (Including NEFA)—*(Contd.)*																											
Goalpara	0830	38	1003·0	998·7	..	26·9	25·4	24·7	31·1	88	..	6·9	..	1·4	0	0	19	2	4	1	4	0	5	1	2	12	0
	1730	,,	1000·5	996·2	..	29·5	26·7	25·6	32·8	80	..	7·2	..	1·4	0	0	19	2	1	0	4	0	9	3	0	12	0
Gauhati	0830	..	..	..	..	28·6	25·2	23·7	29·3	76	−7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gauhati (Bhorjor)	0230	54	1000·6	994·5	..	26·4	25·5	25·1	31·9	93	..	5·5	..	2·6	0	0	14	1	4	1	0	3	4	0	1	17	0
	0530	,,	1001·2	995·0	..	26·3	25·4	25·1	31·9	93	..	7·3	..	3·7	0	0	18	2	7	4	2	1	0	2	0	13	0
	0830	,,	1002·2	996·1	+0·6	28·1	26·0	25·1	31·9	84	+3	7·2	+0·8	7·3	0	0	29	7	8	3	0	1	3	4	3	2	0
	1130	,,	1001·2	995·1	..	29·9	26·6	25·3	32·2	77	..	6·7	..	9·9	0	0	31	12	6	0	0	3	0	6	4	0	0
	1430	,,	999·2	993·2	..	30·4	26·9	25·5	32·6	75	..	6·5	..	10·6	0	1	29	8	6	0	1	1	4	8	2	1	0
	1730	,,	999·0	992·9	..	29·2	26·3	25·1	31·9	79	..	6·6	..	8·5	0	1	27	1	5	2	2	5	2	7	4	3	0
	2030	,,	1001·1	995·0	..	27·4	26·0	25·4	32·4	88	..	6·3	..	3·4	0	0	12	0	5	0	0	2	2	2	1	19	0
	2330	,,	1001·3	995·2	..	26·9	25·7	25·2	32·1	90	..	6·3	..	3·7	0	0	15	2	3	1	0	3	3	2	1	16	0
Dhubri (Rupsi)	0530	45	1000·9	995·8	..	25·9	25·2	24·9	31·5	94	..	7·3	..	5·9	0	1	26	1	3	11	1	6	5	0	0	4	0
	0830	,,	1002·0	996·9	..	27·4	25·9	25·3	32·2	89	..	7·0	..	6·6	0	1	27	1	5	11	2	5	4	0	0	3	0
	1130	,,	1001·3	996·3	...	28·8	26·3	25·3	32·2	82	..	6·7	..	7·9	0	1	29	1	3	9	3	7	5	1	1	1	0
	1730	,,	998·8	993·7	..	28·9	26·5	25·4	32·4	82	..	5·9	..	6·1	0	0	26	1	6	5	1	4	6	2	1	5	0
Dhubri	0830	35	1002·8	999·0	+1.4	27·5	25·9	25·3	32·2	88	+3	6·7	+0·7	7·6	0	4	23	0	13	4	5	0	4	0	1	4	0
	1730	,,	999·7	995·8	..	28·5	26·4	25·5	32·6	85	..	6·3	..	0.6	0	0	6	0	3	1	0	1	1	0	0	25	0
Lumding	0830	149	1003·8	987·0	..	27·4	25·5	24·7	31·1	86	+4	6·4	..	1·5	0	0	20	1	1	11	2	2	1	2	0	11	0
	1730	,,	999·1	982·6	..	30·0	26·1	24·5	30·7	74	..	6·3	..	1·7	0	0	18	1	1	7	3	2	4	0	0	13	0
South Assam (including Nagaland Manipur & Tripura)																											
Tura	0830	370	1002·7	961·6	..	25·3	24·2	23·7	29·3	89	..	7·5 (a)	..	3·7 (a)	0	0	26	2	0	2	4	10	4	3	1	5	0
	1730	,,	999·7	958·9	..	26·9	25·0	24·1	30·0	85	..	6·9	..	3·7	0	0	24	1	0	1	4	6	6	5	1	6	0
Haflong	0830	682	1002·9	928·3	..	23·6	22·2	21·5	25·6	89	..	6·7	..	6·1	0	2	28	4	0	0	0	15	11	0	0	1	0
	1730	,,	999·1	925·2	..	24·9	22·9	22·0	26·4	82	..	5·6	..	4·6	0	0	31	0	1	0	0	5	25	0	0	0	0
Silchar (Kumbhirgram)	0530	97	1001·3	990·4	..	24·6	24·1	23·9	29·7	96	..	7·2	..	5·3	0	0	21	0	1	17	0	1	0	2	0	10	0
	0830	,,	1002·0	991·2	..	26·9	25·1	24·3	30·4	87	..	6·7	..	5·5	0	0	25	1	1	16	1	1	1	4	0	6	0
	1130	,,	1000·8	990·1	..	29·6	25·7	23·9	29·7	73	..	6·7	..	5·8	0	0	22	1	2	7	1	1	5	5	2	7	0
	1730	,,	998·7	987·9	..	24·8	25·7	24·5	30·7	80	..	6·5	..	4·5	0	0	23	0	3	6	1	0	3	7	3	8	0
Silchar	0830	29	1003·5	1000·2	+0·6	27·6	25·8	25·0	31·7	85	0	6·6	+0·4	1·0	0	0	16	2	2	4	4	2	1	0	1	15	0
	1730	,,	1000·1	996·8	..	29·2	26·5	25·3	32·2	80	..	5·8	..	0·8	0	0	14	2	3	1	1	0	2	3	2	17	0
Imphal (Tulihal)	0530	781	1003·5	918·2	..	22·2	21·3	20·9	24·7	93	..	7·1	..	2·5	0	0	10	3	2	3	0	1	1	0	0	21	0
	0830	,,	1003·7	919·1	−0·2	24·9	22·2	21·0	24·9	79	−2	7·2	+0·2	4·1	0	0	16	3	3	2	2	5	0	1	0	15	0
	1130	,,	1002·4	918·2	..	26·0	22·7	21·1	25·0	75	..	7·2	..	9·2	0	1	25	1	1	5	5	5	5	2	2	5	0
	1430	,,	999·9	916·3	..	27·3	23·1	21·2	25·2	70	..	6·7	..	10·4	0	2	24	0	1	5	4	4	3	1	8	5	0
	1730	,,	1000·3	916·1	..	25·7	22·6	21·1	25·0	77	..	6·9	..	9·4	0	0	27	1	0	5	5	6	0	3	7	4	0
	2030	,,	1002·8	918·1	..	23·8	22·1	21·3	25·3	86	..	6·5	..	6·2	0	0	24	2	2	6	3	3	0	2	6	7	0
	2330	,,	1003·3	918·2	..	22·9	21·8	21·3	25·2	91	..	6·8	..	4·7	0	0	15	1	5	1	0	0	0	2	6	16	0
Kailashahar	0530	29	1002·8	999·5	..	25·1	24·6	24·3	30·4	95	..	7·1	..	3·2	0	1	18	0	1	5	0	8	5	0	0	12	0
	0830	,,	1003·7	1000·5	..	27·4	25·6	24·8	31·3	86	..	6·7	..	4·8	0	0	27	0	0	5	1	11	8	0	1	4	1
	1130	,,	1002·7	999·5	..	29·6	26·7	25·5	32·6	78	..	6·6	..	4.7	0	0	30	2	2	4	3	11	6	1	0	1	1
	1730	,,	1000·5	997·3	..	28·6	26·4	25.5	32·6	84	..	6·8	..	4·7	0	0	29	2	3	3	1	10	8	1	1	2	0
Agartala	0230	16	1000·8	999·0	..	25·2	24·6	24·3	30·4	95	..	7·0	..	9·5	0	1	26	0	1	2	18	6	0	0	0	4	0
	0530	,,	1001·0	999·2	..	25·0	24·3	23.9	29·7	94	..	7·1	..	10·1	0	1	27	0	1	5	15	7	0	0	0	3	0
	0830	,,	1002·0	1000·2	−0·3	27.6	25·5	24·5	30.7	87	+2	6.8	−0.2	12·6	0	2	28	0	1	4	15	9	1	0	0	1	0
	1130	,,	1001·4	999·6	..	29·2	26·3	25·1	31·9	80	..	7·1	..	12·6	0	4	26	0	1	0	11	15	2	1	0	1	0
	1430	,,	999·7	997·8	..	29·6	26·7	25·5	32·6	79	..	7·0	..	13·5	0	3	28	3	9	0	8	13	5	1	1	0	0
	1730	,,	999·1	997·3	..	28·2	26·1	25·3	32·2	84	..	6·6	..	11·9	0	3	23	1	1	1	2	17	4	0	0	5	0
	2030	,,	1001·2	999·4	..	26·4	25·3	24·9	31·5	91	..	5·9	..	9·8	0	0	26	0	0	0	9	17	0	0	0	5	0
	2330	,,	1001·6	999·8	..	25·9	25·0	24·6	30·9	93	..	6·5	..	10·3	0	0	29	0	2	1	17	9	0	0	0	2	0
Sub-Himalayan West Bengal																											
Baghdogra	0230	131	1000·7	986·0	..	25·6	24·8	24.4	30·5	93	..	6·4	..	7·2	0	1	19	1	8	9	0	1	0	1	0	11	0
	0530	,,	1001·1	986·3	—	25·2	24·3	23·9	29·7	91	..	7·2	..	8·0	0	2	23	4	11	10	0	0	0	0	0	6	0
	0830	,,	1002·2	987·5	+0.6	27·1	25·2	24·3	30·4	86	−1	7·3	+0.1	10·6	0	2	28	1	12	14	1	1	0	1	0	1	0
	1130	,,	1001·8	987·2	..	28·4	25·9	24·9	31·4	81	..	6·9	..	13·0	0	5	24	0	7	14	7	1	0	0	0	2	0
	1430	,,	999·8	985·3	..	29·8	26·3	24·9	31·5	76	..	6·0	..	13·5	0	6	24	0	5	11	7	4	3	0	0	1	0
	1730	,,	999·1	984·6	—	29·0	26·0	24·7	31·1	78	..	5·3	..	11·2	0	4	24	2	6	11	4	2	0	2	1	3	0
	2030		1001·2	986·5	—	27·1	25·7	25·1	31·9	88	..	5·9	..	7·2	0	1	19	0	7	9	2	0	0	2	0	11	0
	2030	,,	1001·8	987·1	—	25·9	25·2	24·9	31·5	93	..	6·5	..	8·9	0	3	21	2	10	8	1	2	0	1	0	7	0
Jalpaiguri	0830	83	1001·8	992·5	−0.4	26·2	25·0	24·5	30·7	91	+3	6·9	+1.6	6·7	0	1	27	4	6	12	4	2	0	0	0	3	0
	1730	,,	998·5	989.4	—	29·0	26·0	24·7	31·1	79	..	4·6	..	9·3	0	3	24	5	4	10	5	1	2	0	0	4	0

(a) Mean of 30 days.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Kms. per hour	Wind speed (km. p.h.): 62 or more	Wind speed (km. p.h.): 20 to 61	Wind speed (km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Sub-Himalayan West Bengal—(*Contd.*)																											
Cooch Behar	0830	43	1002·2	997·4	..	27·1	25.7	25·1	31·9	89	..	7·1	..	6·9	0	1	24	1	5	14	1	1	3	0	0	6	0
	1130	,,	1001·6	996·8	..	28·6	26·3	25.3	32.2	84	..	6·6	..	8·2	0	3	20	0	4	12	4	2	0	1	0	8	0
	1730	,,	999.0	994.3	..	29.1	26·5	25·4	32·4	81	..	5.9	..	4.5	0	1	14	0	3	7	3	1	1	0	0	16	0
Balurghat	0830	26	1000·8	997.9	..	28·2	26·1	25·3	32·2	84	..	6·4	..	4.0	0	0	31	1	3	1	16	3	5	0	2	0	0
	1730	,,	997·9	995.0	..	29·8	27·0	25·9	33·4	80	..	5·1	..	3·1	0	0	28	1	2	4	13	5	3	0	0	3	0
Malda	0830	31	1001.0	997·5	+0.8	28·1	26·1	25·3	32·2	85	+3	6.3	+0.5	3.4	0	0	25	0	1	8	7	5	0	2	1	6	1
	1730	,,	998·1	994.5	..	29·7	26·6	25·3	32·2	79	..	5·5	..	2.8	0	0	22	1	0	6	7	6	0	1	0	9	1
Gangetic West Bengal																											
Berhampore	0830	19	1000·7	998·6	+0·6	27·6	26·4	25.9	33·4	90	+6	7·9	+1·2	7.3	0	0	29	0	1	12	1	12	2	1	0	2	0
	1730	,,	997·7	995·6	..	29·8	27·6	25·9	33.4	80	..	7·2	..	6·2	0	1	27	1	0	11	2	12	0	2	0	3	0
Suri	0830	..	..	..	..	28·0	25·8	24·9	31·5	84	..	7·1	..	5·1	0	0	31	2	2	8	4	10	2	3	0	0	0
Asansol	0230	126	999·2	985.1	..	26·1	24·8	24·3	30·4	89	..	5·5	..	6·6	0	0	22	0	3	2	4	6	5	1	1	9	0
	0530	,,	999·3	985·2	..	26·0	24·7	24·1	30·0	89	..	6·3	..	5·9	0	0	27	0	3	5	7	4	5	3	0	4	0
	0830	,,	1000·5	986·4	+1.5	27·7	25·6	24·7	31·1	82	—3	6·9	+0.1	7·7	0	0	31	0	5	5	6	5	5	5	0	0	0
	1130	,,	999·9	986·0	..	30·1	26·2	24·5	30·7	73	..	6·9	..	8·6	0	0	29	0	4	4	7	2	3	9	0	2	0
	1430	,,	998·0	984·1	..	31·0	26·7	24·9	31·5	70	..	6·6	..	8·4	0	0	29	1	2	7	3	5	6	3	2	2	0
	1730	,,	997 6	983·7	..	29·4	26·1	24·7	31·1	77	..	6·6	..	6·6	0	0	26	2	3	4	8	5	2	2	0	5	0
	2330	,,	1002.2	986·2	..	26·6	25·1	24·5	30·7	88	..	4·9	..	7·2	0	1	26	1	3	4	5	8	5	1	0	4	0
Shanti Niketan	0830	59	1000·9	994·2	..	27·8	25·9	24·3	30·4	85	..	6·3	..	8·5	0	1	30	0	5	5	5	8	8	0	0	0	0
	1130	,,	1000 5	993·9	..	30·1	26·6	25·1	31·9	76	..	5·6	..	7·4	0	2	28	0	4	4	11	4	5	2	0	1	0
	1730	,,	998·0	991·4	..	29·6	26·4	25·1	31·9	77	..	5·9	..	7·7	0	1	28	0	0	6	8	10	0	1	0	2	0
Krishnanagar	0830	15	1001·1	999·5	+0·9	28·5	26·4	25·5	32·6	84	+1	5·1	—1·5	3·7	0	0	25	0	1	5	4	8	7	0	0	6	0
	1730	,,	998·6	997·0	..	29·5	26·3	24·9	31·5	77	..	4·8	..	1·1	0	0	15	0	0	1	1	13	0	0	0	16	0
Purulia	0830	2[illegible]	1000·5	972·3	0	27·3	25·2	24·3	30·4	84	+1	6·8	+0.3	5·7	0	0	30	1	5	3	5	7	7	1	1	1	0
	1730	,,	997·6	969 6	..	28·7	25·3	24·5	30·7	79	..	6·9	...	5·0	0	0	29	2	3	4	8	8	3	0	1	2	0
Bankura	0830	100	999·8	988·7	..	27·5	25·6	24·7	31·1	86	..	6·0	..	2·8	0	0	22	1	3	4	4	0	6	2	1	9	1
	1730	,,	997·0	986·0	..	29·6	26·1	24·7	31·1	76	..	6·8	..	2·8	0	0	17	0	4	1	2		0	0	0	14	8
Burdwan	0830	32	1000·4	996·8	+0·5	28·5	26·1	25·1	31·9	82	—2	5·0	—1·6	3·0	0	0	21	1	2	5	3	4	6	0	0	10	0
	1730	,,	997·4	993·8	..	29·8	26·3	24·9	31·5	76	..	4·8	..	2·3	0	0	22	0	1	7	2	11	1	0	0	9	0
Barrackpore (Aerodrome)	0530	7	1000·3	999·5	..	26·2	25·4	25·1	31·9	92	..	6·5	..	6·8	0	1	25	0	2	9	2	6	5	2	0	5	0
	0830	,,	1001·3	1000·5	+0·2	28·5	26·1	25·1	31·9	82	—3	6·6	—0·3	8·9	0	0	30	0	2	9	5	5	9	0	0	1	0
	1130	,,	1000·9	1000·2	..	30·5	26·7	25·1	31·9	73	..	6·6	..	11·3	0	1	29	0	0	10	2	4	12	2	0	1	0
	1730	,,	998·8	998·1	..	29·1	26·2	24·9	31·5	79	..	6·3	..	9·3	0	1	29	0	0	8	8	7	7	0	0	1	0
	2330	,,	1001·1	1000·3	..	27·0	25·5	24·9	31·5	89	..	5·4	..	5·3	0	0	16	0	0	4	4	3	5	0	0	15	0
Calcutta (Dum Dum)	0230	6	999·1	998·4	..	26·6	25·6	25·2	32·1	92	..	5·3	..	7·1	0	1	26	0	3	3	8	8	4	1	0	4	0
	0530	,,	999·5	998·8	..	26·5	25·4	24·9	31·5	92	..	6·9	..	5·9	0	1	28	0	2	5	7	5	8	2	0	2	0
	0830	,,	1000·5	999·8		28·7	26·3	25·3	32·2	82	—1	6·8	—0·2	9·5	0	1	29	0	2	4	8	5	9	2	0	1	0
	1130	,,	1000·2	999·5	..	30·5	26·7	25·1	31·9	73	..	7·1	..	11·9	0	4	25	0	1	5	8	6	4	5	0	2	0
	1430	,,	998·5	997·8	..	30·5	26·9	25·4	32·4	75	..	6·7	..	10·3	0	2	26	0	0	7	7	5	7	2	0	3	0
	1730	,,	998·0	997·3	..	29·1	26·5	25·4	32·4	81	..	6·5	..	9·1	0	1	29	0	1	7	7	9	5	1	0	1	0
	2030	,,	1000·0	999·3	..	27·7	25·9	25·1	31·9	86	..	5·3	..	6·9	0	0	25	0	0	5	5	10	4	1	0	6	0
	2330	,,	1000·3	999·6	..	27·2	25·9	25·3	32·2	90	..	5·5	..	7·2	0	0	26	0	0	5	8	9	4	0	0	5	0
Calcutta	0830	6	1000·3	999·6	+0·3	28·9	26·6	25·7	33·0	83	0	6·3	—0·7	7·0	0	0	31	0	3	5	7	8	6	2	0	0	0
	1130	,,	999·9	999·2	..	30·8	27·2	25·7	33·0	75	..	6·4	..	7·2	0	0	31	0	1	7	5	10	5	3	0	0	0
	1730	,,	997·9	997·2	..	29·0	26·5	25·5	32·6	82	..	5·7	..	8·1	0	1	28	0	0	5	7	10	6	0	1	2	0
Midnapore	0830	45	1000·5	995·3	+0·5	27·9	25·7	24·7	31·1	84	+2	5·2	—0·6	2·9	0	0	25	0	3	3	1	7	6	3	0	6	2
	1730	,,	997·8	992·7	..	28·7	26·2	25·1	31·9	81	..	6·3	..	3·0	0	0	26	1	3	1	1	17	3	0	0	5	0
Contai	0830	11	1000·2	999·0	—0·1	28·6	26 6	25·8	33·2	85	0	5·4	—0·7	12·1	0	6	21	1	2	3	4	6	9	2	0	4	0
	1730	,,	997·8	996·6	..	28.9	26.8	25.9	33·4	84	..	5.1	..	13·3	0	7	22	1	0	1	4	17	3	3	0	2	0
Sagar Island	0830	3	1000·1	999·8	+0·3	28·5	26·7	26·0	33·6	86	+4	6·2	—0·8	25·0	1	19	10	0	3	2	4	5	13	3	0	1	0
	1730	,,	997·8	997·5	..	28·9	27·0	26·3	34·2	85	..	5·9	..	27·8	0	31	0	0	0	2	6	12	8	2	1	0	0
Sandheads	0530	10	998·1	997.0	..	28·1	26·9	26·4	34·4	91	..	6·6	..	26·8	1	19	11	1	0	2	2	4	20	1	1	0	0
	0830	,,	999·5	998·5	—0·3	28·7	27·0	26·3	34·2	87	+5	6·6	+0·4	23·9	1	17	13	0	3	1	2	4	19	2	0	0	0
	1130	,,	999·2	998·1	..	29·5	27·3	26·4	34·4	84	..	6·7	..	24·7	0	18	13	0	3	0	4	2	19	2	1	0	0

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Kms. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Gangetic West Bengal (contd.)																										
Sandheads—(*contd.*)	1730	10	997·3	996·2	..	28·7	27·1	26·5	34·6	88	..	6·5	..	26·6	0	22	9	0	0	2	3	5	19	2	0	0
Orissa	2330	,,	999·3	998·2	..	28·0	26·7	26·1	33·8	89	..	0	..	25·4	0	21	10	0	1	2	2	2	21	2	1	0
Baripada	0830	54	1001·0	994·9	..	28·0	26·1	25·3	32·2	85	..	6·4	..	3·5	0	0	22	3	4	1	2	5	6	1	0	9
	1730	,,	998·6	992·5	..	28·5	26·3	25·4	32·4	84	..	6·7	..	3·2	0	0	19	2	2	1	3	5	3	1	1	12
Jharsuguda	0230	230	999·2	973·6	..	25·5	24·3	23·8	29·5	89	..	6·9	..	6·2	0	0	21	0	1	1	4	4	5	6	0	10
	0530	,,	994·4	973·7	..	25·2	24·0	23·4	28·8	90	..	7·3	..	6·8	0	0	21	1	2	1	0	2	6	8	1	10
	0830	,,	1000·7	975·1	+0·1	27·1	24·6	23·5	28·9	81	—5	7·4	+0·2	11·2	0	3	23	0	1	2	2	4	5	11	1	5
	1130	,,	1000·1	974·7	..	29·3	25·3	23·5	28·9	72	..	7·1	..	14·9	0	7	22	0	1	1	1	4	6	14	2	2
	1730	,,	997·6	972·2	..	28·4	25·1	23·7	29·3	76	..	6·9	..	12·4	0	6	19	0	2	1	2	3	4	10	3	6
	2330	,,	1000·2	974·6	..	26·0	24·6	24·0	29·8	89	..	7·1	..	6·7	0	1	23	0	1	2	1	7	7	5	1	7
Keonjhargarh	0830	463	1001·0	950·2	..	26·1	23·7	22·7	27·6	83		6·6	..	2·9	0	0	31	4	3	2	2	2	2	16	0	0
	1730	,,	998·4	948·0	..	27·0	24·4	23·3	28·6	82	..	6·5	..	1·7	0	0	27	2	0	4	0	5	1	14	1	4
Balasore	0830	20	1000·0	997·9	—0·2	28·2	26·0	25·1	31·9	83	+1	6·8	+0·9	10·3	0	1	29	4	2	2	2	6	13	1	0	1
	1730	,,	997·8	995·6	..	29·0	26·4	25·3	32·2	81	..	6·8	..	8·5	0	2	26	1	1	2	3	13	7	0	1	3
Sambalpur	0830	148	999·5	982·9	—0·9	27·7	25·2	24·1	30·0	78	—6	6·0	—0·6	3·2	0	0	26	0	0	0	2	8	15	1	0	
	1730	,,	997·8	981·5	..	28·7	25·8	24·5	30·7	79	..	5·6	..	3·0	0	0	21	0	0	0	3	7	10	0	1	10
Angul	0830	139	1000·5	985·1	+0·1	28·5	24·9	23·3	28·6	74	—6	7·8	+1·5	4·5	0	0	29	0	1	4	2	2	1	10	9	2
	1730	,,	998·0	982·7	..	29·7	25·4	23·5	28·9	71	..	7·7	..	3·9	0	0	28	1	0	2	1	5	3	10	6	3
Chandbali	0830	6	999·6	998·9	..	27·8	26·2	25·5	32·6	88	+4	6·3	—0·1	5·9	0	2	25	2	0	2	2	3	11	4	3	4
	1730	,,	997·4	996·7	..	28·8	26·6	25·7	33·0	84	..	6·9	..	6·1	0	0	22	0	1	3	6	5	5	0	2	9
Bolangir	0830	190	1001·3	980·1	..	27·4	25·1	24·1	30·0	83	..	6·3	..	6·5	0	0	31	1	2	0	1	13	13	1	0	0
	1730	,,	998·6	977·5	..	29·1	25·8	24·3	30·4	77	..	6·9	..	5.9	0	0	31	1	2	0	1	14	12	1	0	0
Phulbani	0830	464	999·3	948·4	..	25·6	23·1	21·9	26·3	81	..	6·6	..	2·8	0	0	20	1	0	0	0	0	8	11	0	11
	1730	,,	996·7	946·1	..	27·0	24·0	22·7	27·6	79	..	6·8	..	1·7	0	0	16	0	0	0	0	1	10	5	0	15
Cuttack	0830	27	1000·6	997·6	—0·1	28·0	25·7	24·7	31·1	83	+3	5·8	—0·4	5·7	0	0	20	0	1	0	1	3	9	5	1	11
	1730	,,	998·3	995·4	..	29·4	26·4	25·1	31·9	79	..	5·7	..	6·6	0	0	24	0	1	0	1	4	12	4	2	7
Titlagarh	0830	211	1000·8	977·3	..	26·9	24·7	23·7	29·3	84	..	5·9	..	2·8	0	0	31	0	3	0	3	2	22	1	0	0
	1730	,,	999·7	976·4	..	29·0	25·6	24·1	30·0	77	..	5·9	..	2·5	0	0	30	0	3	0	2	1	19	2	3	1
Bhubaneswar	0230	46	999·7	994·5	..	26·1	25·2	24·9	31·5	92	..	6·5	..	12·8	0	7	19	1	0	0	2	3	15	4	1	5
	0530	,,	999·8	994·6	..	26.0	25·1	24·7	31·1	93	..	6·4	..	11·9	0	6	22	1	1	0	0	2	18	5	1	3
	0830	,,	1001·0	995·9	+0·1	28·0	25·8	24·9	31·5	83	—1	6·5	—0·3	16·0	0	11	20	1	0	1	0	4	21	2	2	0
	1130	,,	1000·5	995·3	..	30·0	26·0	24·2	30·4	73	..	7·0	..	17·1	0	12	19	2	0	2	0	4	13	4	6	0
	1430	,,	998·7	993·6	..	30·6	26·2	24·6	30·9	74	..	7·0	..	16·6	0	12	18	0	1	1	0	6	11	6	5	1
	1730	,,	998·5	993·4	..	28·6	26·0	24·9	31·5	81	..	7·0	..	16·7	0	13	18	1	2	0	1	10	12	3	2	0
	2330	,,	1000·7	995·5	..	26·6	25·5	25·1	31·9	91	..	5·5	..	15·2	0	10	18	0	1	0	2	5	15	3	2	3
Puri	0830	6	1001·2	1000·5	+0·7	28·3	26·5	25·8	33·2	86	+4	6·7	+0·9	17·8	0	13	18	1	1	1	0	2	23	2	1	0
	1730	,,	999.0	998·3	..	28·4	26·6	25·9	33·4	87	..	6·7	..	19·6	0	16	15	0	1	0	1	5	22	2	0	0
Gopalpur	0530	17	1000·2	998·3	..	26·5	25·2	24·7	31·1	90		7·2	..	5·6	0	1	20	0	0	0	0	0	16	3	2	10
	0830	,,	1001·4	999·5	+0·7	27·8	25·8	24·9	31·5	85	+4	7·1	+2·1	6·8	0	1	26	1	0	0	1	2	22	1	0	4
	1130	,,	100.·1	999·2	..	29·0	26·2	25·0	31·7	80	..	6·7	..	9·7	0	2	27	2	2	0	0	7	16	2	0	2
	1730	,,	999·0	997·1	..	27·9	26·3	25·6	32·8	87	..	7·3	..	13·0	0	9	20	2	0	1	1	1	22	2	0	2
	2330	,,	1001·2	999·3	..	27·1	25·7	25·1	31·9	88	..	6·6	..	9·4	0	4	21	1	0	0	1	2	20	1	0	6
Koraput*	0830	913	1452·1	904·4	+0·5	21·4	20·3	19·7	22·9	91	+1	7·4	+0·4	..	..	..	..	..	..	..	..	..	..	..	..	.
	1730	,,	1434·5	902·2	..	23·1	21·2	20·3	23·8	85	..	7·3	..	..	..	.	..	..	.	..	..	..	..	..	..	..
Bihar Plateau																										
Dumka	0830	149	1000·5	984·0	+0·8	27·7	25·6	24·7	31·1	84	+2	5·9	+0·1	6·1	0	0	27	0	2	7	9	3	5	1	0	4
	1730	,,	997·7	981·3	..	29·3	26·2	24·9	31·5	78	.	5·[illegible]	..	5·0	0	0	26	1	3	2	10	7	3	0	0	5
Daltonganj	0830	221	999·2	974·7	+0·2	28·9	25·1	23·4	28·8	74	—6	4·6	—0·4	5·1	0	0	30	3	2	3	1	3	10	7	1	1
	1730	,,	996·9	972·5	..	30·3	25·6	23·5	28·9	70	..	5·7	..	4·6	0	0	29	0	10	2	4	2	8	0	3	2
Hazaribagh	0830	611	999·7	933·1	+0·5	25·2	23·1	22·1	26·6	84	—1	6·8	—0·3	11·7	0	2	28	2	2	6	2	3	6	2	7	1
	1730	,,	996·9	930·8	..	26·8	24·0	22·8	27·7	80	..	6·9	..	8·5	0	1	23	1	2	5	5	2	3	2	4	7
Dhanbad	0830	257	999·9	971·3	..	27·1	25·3	24·5	30·7	86	..	6·5	..	4·5	0	0	30	0	6	1	13	1	5	2	1	1
	1730	,,	997·1	968·8	..	28·6	25·5	24·1	30·0	78	..	5·9	..	3·2	0	0	20	1	3	4	6	3	2	1	0	11
Ranchi	0830	655	1000·7	929·0	+1·2	23·9	21·9	21·0	24·9	83	—2	6·8	+0·2	1·7	0	0	24	1	13	2	2	2	0	1	3	7
	1730	,,	996·6	925·6	..	25·3	21·5	19·6	22·8	72	..	6·6	..	1·1	0	0	17	0	1	4	2	8	0	1	1	14
Ranchi Aerodrome	0530	652	999·1	927·8	..	23·3	22·6	22·3	26·9	93	..	6·9	..	14·1	0	7	21	0	5	4	1	4	7	6	1	3
	0830	,,	999·8	928·8	..	24·7	23·1	22·3	26·9	87	..	7·1	..	18·5	0	12	18	1	5	3	1	2	11	5	2	1

(c) Mean of 26 days. (R) Register not received. *Wind data available for less than 15 days hence no means publishe

Sub-Division and Station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in kms. per hour	Wind speed (km.p.h.): 62 or more	Wind speed (km.p.h.): 20 to 61	Wind speed (km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bihar Plateau—(*Contd.*)																											
Ranchi Aerodrome—(*Contd*)	1130	652	999·2	928·6	..	26·5	23·6	22·3	26·9	79	..	3·9	..	19·6	0	16	14	0	7	3	0	4	5	5	6	1	0
	1430	,,	997·1	927·0	..	27·5	23·9	22·3	26·9	74	..	7·2	..	18·6	0	14	16	1	4	5	2	4	6	5	3	1	0
	1730	,,	996·8	926·4	..	26·2	23·5	22·1	26·4	80	..	7·1	..	15·2	0	9	18	1	4	5	1	4	6	4	2	4	0
Jamshedpur . . .	0830	129	999·5	985·1	+0·2	27·7	25·5	24·5	30·7	83	+2	6·9	−0·2	4·4	0	0	27	2	2	4	4	2	4	7	2	4	0
	1730	,,	996·8	982·6	..	29·1	25·8	24·3	30·4	76	..	6·3	..	4·8	0	0	29	0	1	7	5	1	4	7	4	2	0
Jamshedpur (P.B.O.) . .	0530	142	999·1	983·2	..	25·6	24·6	24·1	30·0	92	..	6·6	..	4·2	0	0	16	0	5	3	1	1	3	1	2	15	0
	0830	,,	1000·2	984·3	..	27·5	25·3	24·3	30·4	83	..	7·1	..	5·6	0	0	23	1	3	4	1	3	8	1	2	8	0
	1130	,,	999·6	983·9	..	29·5	26·0	24·5	30·7	75	..	6·7	..	7·7	0	1	30	1	5	4	2	2	11	3	3	0	0
	1430	,,	997·5	981·9	..	30·2	26·2	24·5	30·7	73	..	6·9	..	8·1	0	1	30	0	6	6	1	6	6	5	1	0	0
	1730	,,	997·4	981·7	..	28·6	25·6	24·3	30·4	78	..	6·9	..	8·3	0	3	26	1	6	7	1	2	5	5	2	2	0
	2330	,,	1000·0	984·1	..	26·[illegible]	25·0	24·4	30·5	90	..	6·0	..	5·2	0	1	20	1	6	5	1	0	1	5	2	10	0
Chaibasa	0830	226	1000.0	974·8	+0·6	27·5	25·0	23·9	29·7	81	0	7·3	+0·8	4·7	0	0	28	0	8	0	0	0	17	2	1	3	0
	1730	,,	997.3	972·3	..	28·4	25·2	23·8	29·5	77	..	7·2	..	2·6	0	0	23	0	6	0	4	0	11	0	2	8	0
Bihar Plains																											
Motihari	0830	66	1000·4	993·0	+0·8	28·1	26·5	25·8	33·2	87	+6	6·3	+1·3	6·8	0	1	26	1	6	18	1	0	0	1	0	4	0
	1730	,,	996·9	989·7	..	30·3	27·7	26·7	35.0	82	..	5·5	..	4·4	0	1	21	0	3	16	1	0	1	1	0	9	0
Forbesganj . . .	0830	61	1001·2	994·3	..	27·6	25·7	24.9	31·5	86	..	6.6	..	5.9	0	1	29	0	1	19	4	1	0	4	1	1	0
	1730	,,	998.0	991·3	..	29.8	26·5	25·1	31·9	77	..	5·0	..	4.2	0	2	25	1	0	18	4	1	0	2	1	4	0
Darbhanga . . .	0830	49	1001.4	995·9	+1·6	28·6	26·5	25·7	33·0	82	−1	5·5	−0·6	7·2	0	2	27	0	2	21	2	1	1	1	1	2	0
	1730	,,	998·5	993·1	..	30·6	26·9	25·3	32·4	74	..	4·4	..	4·9	0	0	24	0	5	11	6	0	1	1	0	7	0
Chapra	0830	58	999.9	993·4	..	29·1	26·4	25·3	32·2	81	..	6·5	..	3·2	0	0	27	0	11	3	6	0	7	0	0	4	0
	1730	,,	996.5	990·1	..	31·6	27·0	25·1	31·9	70	..	6·5	..	2·5	0	0	23	1	9	5	3	1	2	0	2	8	0
Purnea	0830	38	1001·0	996.9	+0·7	27·7	26·1	25·4	32·4	87	+2	6·0	+0·1	(a) 3·4	0	0	28	0	3	18	2	1	3	1	0	2	0
	1730	,,	997·9	998·3	..	29.5	26·6	25·4	32·4	79	..	5·9	..	2·6	0	0	21	0	0	19	0	0	0	2	0	10	0
Patna	0830	53	999·9	994·0	+0·5	28·5	26·1	25·1	31·9	82	+1	6·4	−0·2	9·5	0	0	30	1	11	7	3	2	2	4	0	1	0
	1730	,,	996·9	991·0	..	31.1	27·0	25·3	32·2	73	..	6·2	..	7·9	0	1	28	2	17	7	2	0	1	0	0	2	0
Patna Aerodrome . .	0530	60	998·5	991·7	..	26·7	25·6	25.1	31·9	91	..	6·4	..	10·0	0	4	18	0	0	15	3	0	3	1	0	9	0
	0830	,,	999·5	992·8	..	28·9	26·2	25·1	31·9	80	..	6·4	..	14·6	0	11	19	1	3	12	5	3	0	6	0	1	0
	1130	,,	999·0	992 4	..	30·9	26·5	24·6	30·9	71	..	6·7	..	15·9	0	10	21	0	5	13	3	1	2	6	1	0	0
	1430	,,	997·1	990·5	..	31·4	26·7	24·7	31·1	69	..	6·8	..	13·3	0	7	20	1	1	15	2	1	1	4	2	4	0
	1730	,,	996·3	989·7	..	30·9	26·8	25·1	31·9	72	..	6·3	..	10·7	0	4	25	1	2	18	3	0	1	1	3	2	0
	2030	,,	998·3	991.6	..	29·1	26·4	25·3	32·2	81	..	4·9	..	8·9	0	4	20	1	0	16	3	0	4	0	0	7	0
Bhagalpur . . .	2330	,,	999·1	992.3	..	27·0	26·0	25·2	32·0	85	..	5·6	..	11·7	0	4	25	0	1	18	4	2	3	0	0	2	1
	0530	49	999·7	994·1	..	26·3	25·5	25·2	32·1	93	..	7·3	..	4·6	0	0	28	1	1	6	17	2	1	0	0	3	0
	0830	,,	1000·8	995·3	..	28·7	26·3	25·3	32·2	83	−1	7·3	+0·5	7·5	0	1	29	0	0	9	15	3	1	2	0	1	0
	1130	,,	1000·4	995·0	..	30·4	26·8	25·3	32·2	77	..	7·5	..	8·7	0	2	27	0	0	9	13	1	3	2	1	2	0
	1730	,,	997·8	992·4	..	30·4	27·0	25·6	32·8	77	..	7·1	..	7·0	0	1	24	1	1	9	12	0	1	0	1	6	0
	2330	,,	1000.3	994·8	..	27·2	25·9	25·4	32·4	90	..	5·8	..	5·7	0	0	28	0	2	7	15	2	1	0	1	3	0
Sabaur	0830	37	1000·6	996·4	+1·0	28·2	26·3	25·5	32·7	87	+4	7·0	+0·3	9·9	0	2	29	0	0	15	7	2	1	6	0	0	0
	1730	,,	997·4	993·3	..	30·6	27·4	26·1	33·8	78	..	6·5	..	9·3	0	3	25	1	0	19	3	1	0	1	3	3	0
Jamui	0830	82	998·2	989·2	..	28·9	26·6	25·7	33·0	83	..	4·5	..	2·7	0	0	28	1	3	11	3	1	1	4	4	3	0
	1730	,,	995·3	986·1	..	30·2	27·3	26·1	33·8	79	..	3·8	..	2·2	0	0	26	1	5	12	2	2	0	4	0	5	0
Dehri	0830	107	999·4	987·4	..	29·0	25·6	24·1	30·0	75	..	6·5	..	3·1	0	0	29	1	1	4	7	3	6	5	2	2	0
	1730	,,	995·8	984·1	..	31·2	26·5	24·5	30·7	69	..	6·6	..	3·9	0	0	30	9	5	5	1	1	2	10	3	1	0
Gaya	0230	116	998·6	985·7	..	26·9	25·5	24·9	31·5	89	..	4·6	..	10·9	0	4	25	1	5	10	2	3	7	1	0	2	0
	0530	,,	998·6	998·7	..	26·5	25·2	24·7	31·1	89	..	5·7	..	10·7	0	3	26	1	6	6	6	2	4	3	1	2	0
	0830	,,	999·7	986·8	+0·8	29·[illegible]	26·1	24·8	31·3	78	+3	6·1	+0·9	15·6	0	13	16	1	4	7	3	1	9	3	1	2	0
	1130	,,	999·3	986·4	..	31·4	26·7	24·7	31·1	69	..	6·5	..	17·5	0	12	16	1	3	8	4	1	4	5	2	3	0
	1730	,,	996·4	983·7	..	30·8	26·7	24·9	31·5	71	..	6·3	..	14.0	0	10	18	3	3	8	4	0	5	2	3	3	0
	2330	,,	999·4	986·4	.	27·4	25·7	24·9	31·5	87	..	4·7	..	10·6	0	3	24	0	5	10	4	3	4	0	1	4	0
Uttar Pradesh East																											
Kheri	0830	147	998·8	982·5	−0·7	28·2	25·7	24·6	30·9	82	−4	5·1	−0·6	5·6	0	0	28	0	0	13	9	1	1	4	0	3	0
	1730	,,	995·3	979·2	..	32·6	26·5	23·9	29·7	62	..	5·5	..	5·0	0	0	28	0	2	13	7	0	2	4	0	3	0
Baharaich. . . .	0830	124	999·5	985·7	+0·7	28·7	25·9	24·7	31·1	80	0	6·5	+2·0	13·7	0	7	23	0	0	21	2	0	3	4	0	1	
	1730	,,	996·1	982·4	..	31·5	26·4	24·2	30·2	67	..	5·8	..	1·5	0	6	22	0	1	15	5	0	4	1	2	3	0
Nautanwa] . . .	0830	99	999·2	988·2	..	28·4	25·9	24·9	31·5	82	..	5·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
	1730	,,	996·7	985·7	..	30·5	26·8	25·4	30·7	73	..	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.

(a) Mean of 30 days.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed in kms. per hour	Wind speed (km.p.h.): 62 or more	20 to 61	1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Uttar Pradesh (East)—(*Contd.*)																											
Hardoi	0830	142	999·2	953·5	+0·2	29·7	25·8	24·2	30·2	73	−11	4·5	−0·9	3·4	0	0	28	3	1	16	0	1	3	4	0	3	0
	1730	,,	995·9	980·3	..	32·2	25·9	23·0	28·1	62	..	4·5	..	3·2	0	0	28	2	1	13	5	1	2	2	2	3	0
Gonda	0830	110	999·6	987·4	..	29·4	26·3	25·0	31·7	78	−4	5·8	−0·3	4·4	0	0	25	1	0	21	0	0	0	2	1	6	0
	1730	,,	996·5	984·4	..	31·2	26·6	25·0	31·7	70	..	6·0	..	3·4	0	0	23	2	0	17	0	0	0	2	2	8	0
Lucknow	0830	111	998·6	986·2	−0·1	29·6	25·8	2 ·9	29·7	73	−6	4·8	−1·0	2·1	0	0	17	0	1	10	5	0	0	1	0	14	0
	1730	,,	995·8	983·7	..	32·9	26·4	23·3	28·6	62	..	5·6	..	2·7	0	0	23	0	2	12	4	1	0	4	0	8	0
Lucknow (Amausi)	0230	128	997·4	983·2	..	28·2	25·0	23·6	29·	77	..	4·6	..	8·7	0	5	21	2	2	14	2	0	3	3	0	5	0
	0530	,,	997·6	983·4	..	27·4	24·8	23·2	28·6	81	..	5·5	..	8·8	0	4	21	0	4	12	2	1	4	2	0	6	0
	0830	,,	998·7	984·6	+0·1	29·7	25·5	23·6	29·1	71	−3	5·5	−0·3	5·6	0	13	18	1	1	11	8	2	2	6	0	0	0
	1130	,,	998·5	984·4	..	32·6	25·9	22·7	27·6	58	..	(a) 6·0	..	17·5	0	13	18	1	1	10	6	2	1	7	3	0	0
	1430	,,	996·5	982·6	..	34·0	26 1	22·4	27·1	51	..	6·1	..	16·8	0	13	16	0	2	9	6	2	4	4	2	2	0
	1730	,,	995·3	981·4	..	32·7	25·7	22·3	26·9	58	..	5·7	..	15·3	0	9	21	0	2	11	6	1	3	3	4	1	0
	2030	,,	997·1	983·0	..	30·7	25·3	22·8	27·7	66	..	5·0	..	10·8	0	5	26	0	2	13	4	2	3	6	1	0	0
	2330	,,	998·1	984·0	..	29·2	25·2	23·3	28·6	72	..	4·7	..	10·4	0	6	21	1	2	13	4	1	3	2	1	4	0
Faizabad	0830	102	999·0	987·7	..	29·2	26·2	24·9	31·5	79	..	6·2	..	5·3	0	0	28	0	1	4	13	2	2	5	0	3	1
	1730	,,	996·0	984·9	..	31·0	26·5	24·4	30·5	70	..	6·4	..	6·4	0	0	26	0	1	4	13	1	2	5	0	5	0
Gorakhpur	0830	77	999·2	990·8	+0·1	29·3	26·6	25·4	32·4	80	−3	6·1	+1·3	4·1	0	0	28	2	0	18	2	4	2	0	0	3	0
	1730	,,	997·6	988·5	..	30·7	26·9	25·2	32·1	74	..	6·0	..	3·1	0	0	28	4	1	14	2	1	2	1	3	3	0
Gorakhpur P.B.O.	0230	78	998·3	989·5	..	28·0	26·0	25·1	31·9	86	..	6·2	..	5·2	0	0	22	0	3	14	4	1	0	0	0	9	0
	0530	,,	998·5	989·8	..	26·8	25·8	25·1	31·9	87	..	6·3	..	4·3	0	0	24	0	4	13	3	2	1	0	1	7	0
	1130	,,	999·6	990·9	..	30·8	26·7	25·4	32·4	71	..	6·6	..	7·1	0	0	31	0	2	15	6	1	2	4	1	0	0
	1430	,,	997·6	989·0	..	31·4	26·9	25·2	32·1	73	..	6·7	..	6·6	0	1	27	3	0	13	8	1	0	2	1	3	0
	2030	,,	998·5	989·8	..	29·6	26·8	25·7	33·0	80	..	4·8	..	3·9	0	0	15	0	3	9	3	0	0	0	0	16	0
	2330	,	999·0	990·3	..	28·5	26·3	25·2	32·1	84	..	5·6	..	5·4	0	1	22	0	3	17	3	0	0	0	0	8	0
Kanpur	0830	126	997·9	984·2	−0·4	29·2	25·4	23·7	29·3	74	−9	6·0	+1·5	13·4	0	3	27	0	1	15	1	4	3	5	1	1	0
	1730	,,	995·2	981·5	..	32·9	26·2	23·3	28·6	56	..	6·3	..	13·0	0	4	26	1	0	17	1	3	1	6	1	1	0
Kanpur (Aerodrome)	0530	126	997·5	983·5	..	27·4	24·9	23·7	29·3	79	..	5·4	..	12·4	0	3	27	0	1	13	2	1	5	7	1	1	0
	0830	,,	998·6	984·6	..	30·1	25·7	23·3	28·6	70	..	5·4	..	19·9	0	12	18	0	0	10	7	2	5	4	2	1	0
	1130	,,	998·5	984·7	..	33·0	26·4	23·5	28·9	60	..	6·0	..	21·2	0	18	13	0	0	11	6	2	2	7	3	0	0
	1730	,,	995·3	981·3	..	33·1	26·1	22·9	27·9	59	..	5·7	..	18·0	0	8	23	2	2	9	8	1	2	6	1	0	0
	2330	,,	997·9	984·0	..	29·4	25·5	23·7	29·3	73	..	4·5	..	14·3	0	3	26	0	1	12	6	1	3	4	2	2	0
Sultanpur	0830	97	999·7	988·9	..	29·6	26·4	25·1	31·9	78	..	5·0	..	2·8	0	0	23	0	0	9	8	0	4	1	1	8	0
	1730	,,	995·7	985·0	..	32·8	26·9	24·7	31·1	65	..	5·5	..	2·5	0	0	20	0	0	12	3	0	2	2	1	11	0
Azamgarh	0830	78	999·1	990·8	..	29·2	26·6	25·6	32·8	81	..	6·0	..	7·5	0	0	31	3	0	21	1	1	0	5	0	0	0
	1730	,,	996·3	987·6	..	31·9	27·9	26·0	33·6	73	..	6·4	..	7·4	0	0	28	6	3	11	0	0	1	7	0	3	0
Fatehpur	0830	114	999·0	986·3	..	30·1	26·1	24·2	30·2	73	−8	5·1	−0·5	11·5	0	3	28	0	1	10	5	3	5	6	1	0	0
	1730	,,	995·6	983·0	..	32·8	26·5	23·6	29·1	61	..	5·5	..	11·3	0	4	27	1	4	14	3	0	2	5	2	0	0
Ballia	0830	64	1000·4	993·2	..	29·3	26·5	25·3	32·2	80	..	7·2	..	3·4	0	0	23	1	2	12	7	0	0	5	1	3	0
	1730	,,	992·5	990·1	..	31·7	27·0	24·9	31·5	69	..	(a) 7·2	..	(a) 2·1	0	0	21	1	3	8	5	1	1	2	0	9	0
Banda	0830	121	999·2	985·8	..	30·8	26·1	24·2	30·2	68	..	4·2	..	3·4	0	0	25	0	7	0	4	1	8	2	3	6	0
	1730	,,	995·5	982·3	..	33·5	26·5	23·4	28·8	58	..	4·2	..	2·9	0	0	25	0	2	2	7	0	10	0	4	6	0
Allahabad (Bamhrauli)	0230	98	997·5	986·6	..	28·1	25·5	24·3	30·5	78	..	5·4	..	5·1	0	1	21	0	5	4	3	2	5	1	2	9	0
	0530	,,	997·8	986·9	..	27·5	25·3	24·2	30·3	83	..	5·6	..	5·6	0	0	24	1	8	3	1	6	3	2	0	7	0
	0830	,,	998·9	988·1	+0·2	30·2	26·1	24·2	30·4	72	−7	5·4	−1·1	7·1	0	0	29	1	4	8	2	4	6	4	0	2	0
	1130	,,	998·8	988·9	..	33·0	26·5	23·6	29·6	61	..	6·3	..	7·8	0	0	29	0	5	7	4	0	4	6	3	2	0
	1430	,,	996·5	986·1	..	34·2	26·8	23·6	29·6	57	..	6·4	..	9·7	0	1	30	0	9	4	3	3	2	6	4	0	0
	1730	,,	995·7	984·9	..	32·7	26·6	23·6	29·3	62	..	6·2	..	7·7	0	1	29	1	8	7	3	1	3	6	1	1	0
	2030	,,	997·6	986·7	..	30·2	25·9	24·0	30·0	71	..	5·2	..	6·3	0	0	25	2	4	6	3	2	4	1	3	6	0
	2330	,,	998·3	987·4	..	29·0	25·5	23·9	30·1	76	..	5·3	..	5·0	0	0	23	0	3	7	2	4	4	2	1	8	0
Varanasi (Babatpur)	0530	85	999·3	989·4	..	27·3	25·4	24·5	30·7	86	..	5·8	..	7·0	0	0	20	0	2	7	2	2	2	4	0	11	0
	0830	,,	1000·2	990·6	+0·4	29·6	26·2	24·7	31·1	76	−7	6·1	−0·3	9·0	0	0	28	0	1	11	1	4	6	4	1	3	0
	1130	,,	999·0	990·5	..	32·2	26·8	24·5	30·7	65	..	6·0	..	13·2	0	5	23	1	3	9	4	1	1	9	0	3	0
	1730	,,	997·0	987·5	..	31·8	26·3	23·9	29·7	66	..	5·9	..	11·9	0	2	26	0	5	11	1	3	0	6	2	3	0
	2330	,,	999·5	989·9	..	29·0	25·6	24·5	30·7	79	..	5·3	..	7·5	0	1	20	0	2	12	0	1	2	4	0	10	0
Varanasi	0830	76	999·4	990·4	0	29·5	26·4	24·7	31·1	76	−4	5·7	−0·6	4·0	0	0	31	1	0	6	9	1	1	10	3	0	0
	1730	,,	995·9	987·2	..	31·5	26·5	24·2	30·2	63	..	5·4	..	3·2	0	0	29	0	4	2	4	1	0	17	1	2	0

(a) Mean of 30 days.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (km.p.h.): 62 or more	Wind speed (km.p.h.): 20 to 61	Wind speed (km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Uttar Pradesh West																											
Mukhim	0830	..	..	..	..	19·1	17·4	16·5	18·8	85	..	(k) 6·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	20·2	18·1	17·1	19·5	83	..	(k) 6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tehri	0830	,,	..	..	..	25·9	22·8	21·4	25·5	78	..	5·5	..	0·4	0	0	4	1	0	3	0	0	0	0	0	27	0
	1130	,,	..	..	..	29·9	23·6	20·5	24·1	60	..	5·5	..	2·6	0	0	19	3	0	3	3	4	4	2	0	12	0
	1730	,,	..	..	..	29·4	23·7	20·9	24·7	62	..	5·8	..	4·4	0	0	26	2	3	2	6	6	4	2	1	5	0
Dehra Dun	0530	682	999·8	924·7	..	23·5	22·3	21·7	25·9	89	..	6·6	..	0·8	0	0	8	2	2	0	1	0	1	1	1	23	0
	0830	,,	1000·0	925·7	+0·7	25·1	22·9	21·9	26·3	84	0	5·6	−0·6	0·6	0	0	10	3	0	0	2	3	1	1	0	21	0
	1130	,,	999·4	926·2	..	27·8	23·8	22·0	26·4	70	..	5·9	..	1·4	0	0	16	1	0	1	4	1	2	4	3	15	0
	1730	,,	996·5	923·4	..	28·5	24·3	22·5	27·3	72	..	5·3	..	1·6	0	0	21	5	1	0	2	4	1	6	2	10	0
	2330	,,	999·0	924·9	..	25·4	23·3	22·4	27·2	84	..	5·9	..	0·8	0	0	8	6	1	0	1	0	0	0	0	23	0
Mansiari	0830	..	..	..	..	17·7	16·4	15·7	17·8	88	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	18·4	17·2	16·6	18·9	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Roorkee	0830	274	1000·3	970·0	+1.5	28·1	24·7	23·2	28·4	76	−2	4·6	−0·5	1·0	0	0	17	0	0	0	10	0	0	0	7	14	0
	1730	,,	996·6	966·8	..	32·4	26·0	23·1	28·3	61	..	3·9	..	1·0	0	0	16	0	1	0	9	0	0	0	6	15	0
Najibabad	0830	270	999·9	969·7	..	28·1	24·6	22·9	27·9	75	..	5·6	..	4·6	0	0	22	0	0	16	3	0	0	1	2	9	0
	1730	,,	996·7	967·1	..	32·1	25·7	22·6	27·4	61	..	5·2	..	3·7	0	0	23	0	3	8	2	0	1	7	2	8	0
Meerut	0830	222	999·0	974·6	+0.6	29·6	25·7	23·8	29.0	73	−2	2·4	−2.7	6·0	0	0	27	0	4	5	7	5	0	5	1	4	0
Bareilly	0830	173	998·9	979·7	+0.1	30·1	26·2	24·6	30·9	74	−8	5·1	−0.7	11·7	0	6	25	0	1	13	11	0	2	3	1	0	0
	1730	,,	995·6	976·7	..	32·8	26·4	23·8	29·5	62	..	5·2	..	6·2	0	1	26	6	1	14	1	0	0	4	1	4	0
Bareilly P.B.O.	0230	172	997·6	978·4	..	28·6	25·2	23·9	29·7	76	..	4·2	..	6·2	0	0	29	0	1	19	2	0	2	4	1	2	0
	0530	,,	997·9	979·0	..	27·9	25·0	24·0	29·8	79	..	5·4	..	5·6	0	0	31	1	2	21	0	0	2	5	0	0	0
	1130	,,	998·8	979·8	..	32·3	26·3	24·0	29·8	63	..	5·8	..	10·3	0	0	31	0	1	16	3	1	0	7	3	0	0
	1430	,,	997·0	978·5	..	32·6	26·3	23·5	28·9	59	..	5·9	..	9·8	0	0	31	0	4	15	2	0	1	7	2	0	0
	2030	,,	996·8	978·0	..	30·8	25·8	24·0	29·8	69	..	4·5	..	5·4	0	0	30	1	5	12	3	2	2	2	3	1	0
	2330	,,	997·9	978·8	..	29·3	25·4	24·0	29·8	73	..	4·5	..	6·3	0	0	30	2	2	17	3	1	0	5	0	1	0
Aligarh	0830	187	998·9	977·8	..	29·8	25·5	23·5	28·9	71	−7	4·5	−0·3	9·3	0	1	30	1	2	16	1	1	0	9	1	0	0
	1730	,,	995·7	974·8	..	32·8	26·2	23·2	28·4	62	..	5·6	..	5·4	0	0	30	4	1	13	0	3	0	8	1	1	0
Mainpuri	0830	157	998·1	980·6	−0.5	30·3	26·1	24·2	30·2	71	−5	4·4	−0.9	8·9	0	0	29	0	15	0	5	1	0	4	4	2	0
	1730	,,	994·9	977·8	..	33·3	26·3	23·1	28·3	59	..	5·0	..	7·0	0	0	29	1	14	3	1	1	2	4	3	2	0
Agra	0830	169	998·4	979·7	0	30·4	26·1	24·3	30·4	72	−2	4·4	−0.9	2·4	0	0	9	0	3	1	1	1	2	1	0	22	0
	1730	,,	995·3	976·9	..	32·4	26·6	24·1	30·0	66	..	4·7	..	1·8	0	0	7	0	1	1	0	0	4	0	1	24	0
Agra (Aerodrome)	0530	169	996·9	978·5	..	27·8	25·1	24·0	29·8	82	..	4·5	..	14·0	0	5	23	1	3	10	3	1	0	9	1	3	0
	0830	,,	998·6	979·9	..	29·7	26·4	24·8	31·3	76	..	5·2	..	16·2	0	12	16	0	1	10	4	1	2	7	2	3	1
	1130	,,	998·3	979·9	..	33·1	27·7	25·4	32·4	67	..	5·4	..	18·1	0	11	19	4	1	9	5	0	0	7	3	1	1
	1730	,,	995·3	976·9	..	32·6	27·1	24·6	30·9	64	..	5·4	..	14.5	0	7	22	4	2	10	1	1	3	6	1	2	1
	2330	,,	997·7	979·0	..	28·8	25·8	24·5	30·7	76	..	3·6	..	10·9	0	4	23	0	1	14	2	0	2	7	1	4	0
		,,																									
Orai	0830	141	997·3	981·8	..	31·6	25·9	23·4	28·8	65	..	2·8	..	2·8	0	0	31	2	3	1	3	1	3	3	15	0	0
	1730	..	995·6	980·2	..	32·7	25·8	22·4	27·1	59	..	2·8	..	3·1	0	0	31	1	5	3	4	0	2	5	11	0	0
Jhansi	0830	251	998·7	970·8	−0·6	28·9	25·2	23·7	29·3	75	−1	5·8	+1·1	2·0	0	0	21	1	4	4	0	2	5	4	1	10	0
	1730	,,	995·5	968·2	..	32·5	25·7	22·7	27·6	56	..	6·2	..	2·3	0	0	24	11	0	7	0	5	0	1	0	7	0
Punjab (India) (Including Delhi)																											
Pathankot	0530	312	998·1	963·3	..	26·4	23·3	21·5	25·6	74	..	5·5	..	6·0	0	2	16	4	5	5	1	2	0	0	1	13	0
	0830	,,	999·2	964·9	+0.7	28·4	23·7	21·3	25·3	69	−6	5·2	−0.2	8·3	0	2	21	2	2	9	4	3	1	2	0	8	0
	1130	,,	999·2	965·1	..	30·5	24·4	21·3	25·3	62	..	5·2	..	13·7	1	5	23	4	4	4	5	5	4	3	0	2	0
	1730	,,	995·7	962·0	..	33·1	24·7	20·3	23·8	51	..	4·2	..	12·7	0	6	22	4	4	3	0	5	3	4	5	3	0
	2330	,,	997·9	963·6	..	28·9	24·3	21·9	26·3	68	..	4·1	..	5·8	0	1	19	6	4	4	3	3	0	0	0	11	0
Varanasi	0830	1067	1433·6	883·8	..	22·4	20·1	18·9	21·8	81	..	5.6	..	3·9	0	0	21	5	2	4	3	6	1	0	0	10	0
	1130	,,	1431·2	882·8	..	26·8	21·5	18·9	21·8	63	..	5·2	..	9·7	0	2	29	0	0	0	14	13	3	0	1	0	0
	1730	,,	1406·6	880·6	..	27·2	21·4	18·3	21·0	61	..	5·4	..	11·3	0	7	20	4	0	3	11	8	1	0	0	4	0
Amritsar (Rajasansi)	0530	234	997·6	971·5	..	26·2	24·4	23·5	29·0	86	..	4·7	..	7·7	0	3	21	1	3	9	7	1	1	2	0	7	0
	0830	,,	999·0	973·1	+0.8	28·2	25·0	23·5	29·1	78	+2	4·5	+0.3	9·4	0	5	23	2	1	6	9	3	2	3	2	3	0
	1130	,,	998·9	973·3	..	31·4	26·0	23·6	29·1	66	..	4·7	..	11·9	0	5	24	2	2	4	11	4	1	3	2	2	0
	1430	,,	997·3	971·8	..	33·5	26·5	23·3	28·7	58	..	4·5	..	12·6	0	3	27	0	1	10	6	2	4	2	5	1	0
	1730	,,	995.6	970·2	..	33·2	26·1	22·8	27·9	58	..	4·1	..	9·5	0	2	27	1	3	6	4	3	3	7	2	2	0
	2030	,,	996.4	970·7	..	29·9	25·9	24·2	30·2	73	..	3·8	..	7·1	0	1	25	1	1	6	5	4	6	3	0	5	0
Adampur (Aerodrome)	0830	249	998·5	970·4	..	28·7	24·9	23·1	28·3	74	..	5·0	..	12·6	0	8	16	1	2	4	8	3	3	1	2	7	0
	1730	,,	996·1	969·1	..	32·5	25·7	22·5	27·2	60	..	4·4	..	13·8	0	5	22	4	2	4	5	3	1	6	2	4	0

(k) Mean of 20 days.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind Speed in Kms. per hour	Wind speed (km. p.h.): 62 or more	20 to 61	1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Punjab (India) (Including Delhi)—*(Contd.)*																											
Ludhiana	0830	247	999·0	971·3	+0·5	29·3	25·3	23·7	29·3	75	+3	4·6	+0·7	4·8	0	0	28	0	2	4	9	2	1	4	6	3	0
	1730	,,	995·3	968·7	..	32·8	26·4	23·7	29·3	62	..	4·0	..	6·2	0	0	28	1	6	2	7	2	3	2	5	3	0
Ferozepore	0830	200	999·1	976·1	..	28·4	25·2	23·8	29·5	78	..	4·9	..	2·3	0	0	23	3	11	4	1	2	2	0	0	8	0
	1730	,,	996·2	974·2	..	33·0	26·5	23·7	29·3	62	..	3·3	..	2·0	0	0	20	0	6	2	3	2	2	2	3	11	0
Halwara (Aerodrome)	0830	242	998·9	972·2	..	28·9	25·2	23·8	29·5	71	..	6·2	..	10·6	0	3	23	3	1	8	9	1	1	2	1	5	0
	1730	,,	995·9	969·7	..	32·4	25·8	23·6	29·6	58	..	(a) 4·4	..	12·2	0	1	29	2	2	8	5	3	2	2	6	1	0
Chandigarh (R)	0830	347																									
	1730	,,																									
Ambala	0830	272	999·9	969·2	+0·9	28·1	24·4	22·6	27·4	73	−3	3·9	−0·9	1·2	0	0	9	0	2	0	5	0	1	0	1	22	0
	1730	,,	995·9	965·6	..	31·8	25·9	23·4	28·7	63	..	2·8	..	2·6	0	0	23	0	6	0	14	0	1	0	2	8	0
Ambala (P.B.O.)	0230	278	997·5	966·9	..	28·7	26·0	24·9	31·5	82	..	4·4	..	4·5	0	0	17	0	0	3	9	0	0	0	4	14	1
	0530	,,	997·7	967·0	..	27·9	25·5	24·4	30·5	83	..	5·2	..	5·9	0	2	17	0	1	3	13	0	0	2	0	12	0
	1130	,,	998·8	968·4	..	31·6	27·4	26·0	33·6	74	..	5·5	..	9·2	0	2	26	0	2	2	14	1	1	3	4	3	1
	1430	,,	997·2	967·0	..	33·0	27·7	26·2	34·0	69	..	5·2	..	7·8	0	1	26	1	1	1	16	0	1	5	2	4	0
	2030	,,	996·5	966·1	..	30·4	26·9	25·8	33·2	77	..	4·6	..	4·2	0	0	16	2	3	2	4	1	0	2	2	15	0
	2330	,,	997·5	966·9	..	29·6	26·3	25·3	32·2	79	..	4·3	..	5·3	0	1	18	2	1	1	8	2	0	2	3	12	0
Ambala (Aerodrome)	0530	274	997·8	967·4	..	26·5	24·1	23·0	28·1	79	..	5·2	..	9·7	0	1	22	0	1	7	9	2	0	2	2	8	0
	0830	,,	998·7	968·5	..	28·2	24·8	23·6	29·1	76	..	5·0	..	15·1	0	7	23	2	5	7	9	1	0	3	3	1	0
	1130	,,	998·7	968·7	..	31·2	25·9	23·6	29·1	67	..	5·5	..	17·7	0	9	22	1	1	5	15	0	0	5	3	0	1
	1730	,,	995·9	965·8	..	31·6	25·6	22·7	27·6	63	..	5·2	..	15·1	0	9	17	4	1	1	10	1	0	2	6	5	1
	2330	,,	997·9	967·3	..	28·0	24·8	22·6	27·4	78	..	3·9	..	6·8	0	2	15	3	0	4	6	1	0	1	2	14	0
Patiala	0830	251	999·1	971·4	..	28·4	25·5	23·9	29·7	75	..	4·3	..	8·7	0	2	25	0	0	0	19	0	1	0	7	4	0
	1730	,,	996·7	969·1	..	32·1	25·9	23·3	28·6	63	..	3·9	..	9·6	0	3	19	4	0	1	10	0	0	0	7	9	0
Bhatinda	0830	211	998·4	975·4	..	31·0	27·0	25·3	32·2	71	..	2·5	..	4·7	0	0	28	0	6	0	10	0	6	0	6	3	0
	1730	,,	998·1	975·0	..	32·8	26·9	24·8	31·3	62	..	2·8	..	6·2	0	0	31	0	10	2	5	2	3	0	9	0	0
Karnal	0830	249	996·9	968·7	..	30·6	25·7	23·0	28·1	62	..	0.4	..	2·5	0	0	29	0	0	0	19	0	0	0	10	2	0
	1730	,,	994·7	967·7	..	33·5	26·3	23·9	29·6	59	..	0·5	..	(a) 1·7	0	0	25	0	0	0	14	0	0	0	11	5	0
Hissar	0530	221	997·3	972·9	..	27·9	25·2	23·9	29·7	80	..	3·6	..	6·8	0	2	24	1	2	7	3	1	8	3	0	5	0
	0830	,,	998·7	974·3	+0·8	30·4	26·7	24·6	30·9	72	+5	3·5	−0·7	8·0	0	3	26	0	1	5	10	1	7	5	0	2	0
	1130	,,	998·0	974·7	..	34·0	27·1	24·3	30·4	59	..	4·5	..	10·6	0	4	26	3	3	4	7	1	7	2	3	1	0
	1730	,,	995·2	971·4	..	34·6	26·6	23·2	28·4	55	..	4·2	..	11·0	0	5	26	2	5	7	6	2	2	6	1	0	0
	2330	,,	997·4	973·1	..	30·1	26·0	24·2	30·2	72	..	2·7	..	5·5	0	2	17	0	1	3	9	3	3	0	0	12	0
New Delhi (Safdarjung)	0230	216	997·6	973·7	..	29·1	25·1	23·5	28·9	73	..	(a) 3·6	..	9·3	0	5	19	0	4	8	4	1	2	4	1	7	0
	0530	,,	997·7	973·7	..	28·1	24·8	23·3	28·6	77	..	4·3	..	11·8	0	6	20	0	2	8	8	1	1	5	1	5	0
	0830	,,	998·9	975·1	+0·5	29·8	25·4	23·3	28·6	70	−4	4·4	+1·1	17·3	0	12	16	0	1	7	11	1	1	4	3	3	0
	1130	,,	998·8	975·2	..	33·0	26·0	22·8	27·7	57	..	(a) 5·6	..	17·0	0	10	18	2	1	7	7	1	2	1	7	3	0
	1430	,,	997·1	973·6	..	34·4	26·1	22·4	27·1	54	.	5·3	..	17·6	0	11	19	4	2	7	9	1	1	2	4	1	0
	1730	,,	995·7	972·7	..	33·7	25·8	22·0	26·4	54	.	5·5	..	16·6	0	12	17	2	2	11	3	1	1	2	7	2	0
	2030	,,	997·0	973·3	..	31·4	25·5	22·6	27·4	63	..	(a) 4·7	..	9·7	0	4	20	2	0	9	5	1	2	2	3	7	0
	2330	,,	998·0	974·1	..	29·6	25·4	23·4	28·8	72	..	(b) 3·9	..	9·1	0	2	19	0	1	9	4	1	1	4	1	10	0
Palam (Aerodrome)	0230	230	997·3	971·7	..	29·1	24·9	22·9	27·9	71	..	3·8	..	9·7	0	4	23	0	1	4	12	2	4	3	1	4	0
	0530	,,	997·5	971·7	..	28·3	24·7	23·0	28·1	76	..	4·2	..	11·9	0	4	25	0	0	7	12	1	1	7	1	2	0
	0830	,,	999·2	973·6	..	29·8	25·1	23·0	28·1	68	..	4·6	..	15·1	0	12	17	1	2	6	11	0	2	4	3	2	0
	1130	..	998·8	973·5	..	33·1	25·8	22·5	27·2	57	..	5·2	..	16·0	0	8	21	0	1	7	10	1	2	3	5	2	0
(*)	1430																										
	1730	,,	995·7	970·3	..	34·0	26·1	22·3	26·9	55	..	5·4	..	13·8	0	9	21	1	1	9	8	0	2	3	5	1	0
(**)	2030																										
	2330	,,	997·9	972·2	..	29·7	25·1	22·9	27·9	69	..	3·7	..	7·1	0	6	18	1	1	8	6	1	4	4	0	7	0
Himachal Pradesh Mandi	0830	761	988·1	916·0	0·6	24·8	22·4	21·3	25·3	82	−6	6·6	−0·4	0·5	0	0	8	2	2	0	0	0	1	0	3	23	0
	1730	..	993·9	912·7	..	28·1	23·5	21·1	25·0	69	..	6·6	..	0·3	0	0	3	0	0	0	0	0	0	0	3	28	0
Bilaspur	0830	587	1000·5	936·6	..	25·4	23·5	23·0	26·4	84	..	3·0	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	1730	..	996·1	933·3	..	30·1	24·1	21·4	25·5	60	..	4·5	..	1·5	0	0	14	2	0	3	0	1	1	6	1	17	0
Jammu and Kashmir Misgar (R)	0830																										
(R)	1730																										
Gilgit (R)	0830																										
(R)	1730																										

"Observations available for 13 days only no means published" (**)Observations available for 12 days only no means published." (R) Register not received. (a) Mean of 30 days. (b) Mean of 29 days

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind Speed in Km. per hour	Wind speed (Km.p.h.): 62 or more	20 to 61	1 to 19	No. of observations, Wind Direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Jammu and Kashmir—(*Contd.*)																											
Skardu . . . (R)	0830																										
(R)	1730																										
Leh	0530	3514	..	..	..	9.0	4.4	—0.8	5·7	53	..	3.0	..	2.8	0	0	18	4	12	0	1	0	1	0	0	13	0
	0830	,,	..	..	..	16.0	8.6	2.0	7.5	42	—11	4.3	0.6	0.7	0	0	5	0	0	0	1	2	2	0	0	26	0
	1730	,,	..	..	..	21.5	13.6	7.4	10.7	48	..	(h) 4.6	..	(h) 6 0	0	0	28	0	7	0	1	1	14	3	2	1	0
Srinagar	0830	1587	1436.7	835·3	+1·4	21·9	18·2	16.3	18·7	71	—8	3·3	—0.1	1·6	0	0	19	2	3	5	2	4	0	0	3	12	0
	1130	,,	1426.8	834.8	..	25.8	19.5	16.3	18.5	56	..	3.4	..	2.5	0	0	22	2	0	1	6	0	0	7	6	9	0
	1430	,,	1414.7	833.8	..	27.9	20.1	16.0	18.2	49	..	3·3	..	3.4	0	0	23	2	1	0	5	3	0	4	8	8	0
	1730	,,	1403.6	832.7	..	27.2	19.4	15.4	17.7	50	..	3.7	..	3.6	0	0	25	5	1	2	4	3	0	1	9	6	0
	2030	,,	1411.7	833.3	..	22.9	18.5	16.2	18·4	67	..	3.0	..	1.8	0	0	9	1	1	2	0	1	0	0	4	22	0
Srinagar (Aerodrome) .	0530	1666	1405.5	825.0	..	18.5	15·7	13.9	15.9	76	..	4.6	..	2.6	0	0	14	3	0	0	0	1	2	5	3	17	0
	0830	,,	1410.4	825.8	..	22.0	17.6	15.2	17.3	66	..	4.0	..	3.7	0	0	23	3	7	1	4	1	0	0	7	8	0
	1130	,,	1405.8	825.6	..	25.0	18.4	15.0	17.0	55	..	4.2	..	4.4	0	0	24	4	6	0	6	3	1	4	0	7	0
	1730	,,	1381·4	823.3	..	27.6	18.3	13.5	15·5	46	..	4.4	..	6.8	0	2	23	4	1	0	4	3	2	3	8	6	0
	2330	,,	1402.9	825.0	..	21.1	17.3	15.1	17.1	70	..	3.4	..	2.7	0	2	6	1	0	0	2	0	0	3	2	23	0
Gulmarg	0830	2655	3085.0	736.5	+0.4	16.8	13.4	10.9	13.0	70	—4	3.6	—0.2	2.6	0	0	21	0	7	9	3	0	0	2	0	10	0
	1730	..	3073.9	735.4	..	17.7	14.2	11·8	13.8	71	..	5.4	..	4.9	0	1	24	1	6	5	2	4	4	3	0	6	0
Qazigund . . .	0830	1690	..	..	..	20.8	17.6	15.9	18.1	74	..	4 8	..	1.7	0	0	10	1	0	0	4	1	4	0	0	21	0
	1730	..	..	..	..	25.3	19.2	16.1	18.3	58	..	4.9	..	4.9	0	1	21	0	1	0	5	4	3	9	0	9	0
Banihal	0830	..	..	..	..	20.8	17.5	15.6	17.7	74	..	4.8	..	2.2	0	0	6	0	0	0	0	0	0	0	6	25	0
	1730	..	..	..	..	25.0	18.8	15.4	17·5	57	..	5.5	..	8.9	0	0	23	0	0	0	0	0	0	0	23	8	0
Jammu	0830	..	..	..	..	28.7	24.2	22.1	26.6	67	—3	4.8	+0·7	2.8	0	0	23	4	6	2	3	3	0	0	2	8	3
	1730	..	..	..	..	30.7	24.9	22.3	26·9	61	..	4.2	..	5.8	0	0	29	0	1	1	0	1	1	1	1	2	23
Jammu (Aerodrome) . .	0530	292	997.9	965.5	..	26.6	23.0	21.3	25.3	73	..	5.5	..	3.8	0	0	13	0	1	3	2	6	1	0	0	18	0
	0830	,,	998.7	966.5	..	28·7	24.5	22.3	26·9	70	..	5.0	..	7.9	0	0	22	2	3	3	8	4	0	2	0	9	0
	1130	,,	998.7	966.7	..	31.8	25.3	21.8	26.1	59	..	4.5	..	10.1	0	1	27	1	3	2	5	0	4	3	2	3	0
	1730	,,	995.4	963.9	..	34.0	25.3	21.1	25·0	48	..	(a) 4·3	..	10.7	0	2	22	1	1	0	3	5	5	8	1	7	0
	2330	,,	997.0	965.2	..	29.7	24.2	21.3	25·3	68	..	3.1	..	3.4	0	0	10	0	0	3	3	3	0	0	1	21	0
Rajasthan (West)																											
Ganganagar . . .	0530	177	997.2	977.3	..	28.3	24.7	23.0	28.1	74	..	2.8	..	3.3	0	1	15	0	2	3	3	2	4	1	1	15	0
	0830	,,	998.2	978.4	+0.6	29.9	24.9	22.8	27.7	68	+4	3.0	+0·8	10.7	0	1	27	0	0	6	9	0	12	1	0	3	0
	1130	,,	997.9	978 6	..	33.9	26.1	22.5	27.2	57	..	4.0	..	4.3	0	1	26	1	6	2	2	2	7	5	2	4	0
	1730	,,	994.6	975.5	..	35.2	26.0	21.7	25 9	48	..	4.0	..	6.6	0	1	28	2	4	11	1	1	6	2	2	2	0
	2330	,,	996·8	977·3	..	30·1	25·0	22·6	27·4	67	..	1.4	..	3·4	0	1	14	0	6	2	4	1	1	1	0	16	0
Anupgarh . . R)	0830	154																									
(R)	1730	,,																									
Mahajan	0830	187	997·0	976·2	..	30·6	26·5	24·7	31·1	72	..	3.5	..	(e) 8·4	0	1	24	1	2	1	2	1	18	0	0	1	0
	1730	,,	993.7	973.3	..	35.1	26.8	22.9	27.9	50	..	(g) 3.0	..	(e) 10.8	0	4	22	3	2	3	0	4	11	1	2	0	0
Churu	0830	291	999·0	967·0	..	29·7	24·7	22·3	26·9	66	..	3.7	..	17.0	0	14	15	1	0	7	1	1	1	14	4	2	0
	1730	,,	995.1	963.7	..	34.7	25.4	21.5	25·6	47	..	4.5	..	17.9	0	12	18	2	2	9	2	0	2	9	4	1	0
Bikaner	0830	224	998.5	973.8	+0·7	29.4	24.6	22.1	26.6	66	0	1·5	—1·4	11.6	0	7	23	1	10	0	0	3	12	3	1	1	0
	1730	,,	994.9	970.5	..	35.9	25.4	20.2	23.7	44	..	1.8	..	1.5	0	7	22	2	3	3	2	3	.0	2	4	2	0
Bikaner P.B.O. . .	0530	224	997.4	972.6	..	28.6	24.4	22.5	27.5	72	..	4.7	..	6.6	0	2	20	1	3	0	1	2	13	2	0	9	0
	1130	,,	998.3	973.8	..	33.7	25.7	21.9	26.6	52	..	4.1	..	8·5	0	3	27	1	4	1	3	2	16	3	0	1	0
	2330	,,	997.2	972.7	..	31.2	24.9	21.7	25.9	60	..	3.4	..	8.7	0	2	24	2	2	2	0	3	16	1	0	5	0
Nagaur	0830	298	998.2	966.2	..	30.1	25.9	24.0	29.8	71	..	4.7	..	12.4	0	2	29	2	3	0	1	9	12	1	3	0	0
	1730	,,	995.5	963.2	..	34.2	27.5	24.7	31.1	59	..	5.2	..	9.1	0	1	30	2	2	3	0	11	9	3	1	0	0
Phalodi	0830	234	999.8	973.6	..	27.8	24·5	23.2	28.4	74	..	3.9	..	22.5	1	14	16	1	2	1	1	6	14	3	3	0	0
	1730	,,	999.3	971.0	..	34.5	26.1	22.1	26.6	52	..	3.9	..	17.2	0	10	21	3	0	3	1	4	16	2	2	0	0
Jaisalmar . . .	0830	242	998.9	971.7	..	28.4	23.1	20.3	23.8	61	..	4.1	..	21.3	1	12	18	1	2	0	1	13	12	2	0	0	0
	1730	,,	993.9	967.9	..	35.9	25.8	20.7	24.4	44	..	4.8	..	16.9	0	21	8	5	2	3	2	9	8	0	0	2	0
Jodhpur	0230	224	999.0	973.1	..	28.6	24.6	22.6	27.4	72	..	4.7	..	11.6	0	6	21	1	0	1	0	3	15	6	1	4	0
	0530	,,	998.4	973.4	..	27.3	24.8	22.9	27.9	78	..	5.7	..	7.0	0	9	19	1	1	0	1	2	11	10	2	3	0
	0830	,,	999.5	974.8	+2.0	28.2	24.8	23.6	29.1	73	+3	5.7	0	13.2	0	8	21	0	1	2	1	1	14	8	2	2	0
	1130	,,	999.4	974.8	..	31.6	25.5	23.0	28.0	61	..	5.5	..	15.8	0	12	17	1	1	0	3	3	11	6	4	2	0
	1430	,,	997.1	973.1	..	33.9	24.9	22.5	27·2	56	..	5.1	..	15.0	0	9	20	0	0	2	2	0	15	6	3	2	1

(e) Mean of 26 days. (g) Mean of 24 days. (a) Mean of 30 days. (R) Register not received. (b) Mean of 29 days (h) Mean of 23 days.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in Millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind Speed in Kms. per hour	Wind speed (Km.p.h.): 62 or more	20 to 61	1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Rajasthan West—(*Contd.*)																											
Jodhpur—(*Contd.*)	1730	224	995.8	971.4	..	34.3	25.7	21.5	25.6	50	..	4.9	..	14.4	0	7	22	0	2	3	0	3	15	4	1	2	1
	2030	,,	997·2	972·6	..	30.7	25.2	22.0	26.4	59	..	(a) 4.9	..	13.0	0	9	19	2	0	1	3	1	16	2	3	3	0
	2330	,,	999·3	973·9	..	29.7	25.0	22.8	27.7	69	..	4.3	..	11.2	0	7	19	0	1	2	0	5	14	4	0	5	0
Barmer	0530	194	997.6	976.0	..	26.7	24.5	23.6	29.1	84	..	5.5	..	11.2	0	4	27	1	0	1	0	3	17	6	3	0	0
	0830	,,	999.0	977.4	—0.5	27.9	25.3	24.2	30.2	81	+5	5.3	—0.1	9.2	0	2	25	0	1	0	0	4	14	4	4	4	0
	1130	,,	998.4	977.3	..	31.5	26.0	24.1	30.0	64	..	5.3	..	10.7	0	3	28	2	2	0	1	5	11	7	3	0	0
	1730	,,	998.2	974.1	..	34.1	26.3	22.8	27.8	55	..	4.7	..	12.1	0	6	24	1	3	2	0	3	17	3	1	1	0
	2330	,,	997.9	976.4	..	29·3	24.9	22.9	27.9	70	..	3.1	..	11.6	0	3	28	1	1	0	1	4	19	4	1	0	0
Erinpura (Jawar Dam)	0830	295	1000.3	968.0	..	27.4	24.0	22.2	26.7	73	..	5·9	..	7.6	0	3	23	0	0	2	1	2	13	8	0	5	0
	1730	,,	997.0	965.0	..	32.3	25.9	22.5	27.2	59	..	5·8	..	7.7	0	2	27	1	2	1	1	5	6	13	0	2	0
Munabao	0830	80	1000.1	991.3	..	27.8	25.9	25.2	32.1	86	..	3.4	..	6.5	0	2	23	0	2	0	1	0	20	1	1	0	0
	1730	,,	996.1	987.6	..	36.0	27.3	23.7	29.3	50	..	2·3	..	8.9	0	3	22	0	0	0	1	0	22	0	2	0	0
Rajasthan East																											
Pilani	0830	301	992.2	966.1	..	29.7	25.0	22.8	27.7	68	..	(c) 3.9	..	19 2	0	14	17	1	0	7	5	1	5	10	2	0	0
	1730	,,	995.6	963.1	..	33.5	25.5	21.5	25.6	54	..	(b) 4.7	..	16.9	0	10	21	3	3	8	4	2	3	6	2	0	0
Sikar	0830	433	998.6	951.4	..	29·0	24.3	22.1	26.6	68	..	3.1	..	3.1	0	0	26	2	0	0	1	1	14	3	5	5	0
	1730	,,	995.1	948·8	..	33.3	25.6	21.7	25.9	53	..	3.5	..	3.2	0	0	18	1	5	0	0	3	1	4	4	13	1
Alwar	0830	271	997.5	967.7	..	29.8	25.8	23.8	29.5	72	..	4.8	..	3.2	0	0	26	4	3	5	2	2	2	3	4	5	0
	1730	,,	994.9	965.4	..	33.4	26.5	23.7	29.3	62	..	5.5	..	2.0	0	0	22	2	5	4	1	0	7	1	2	9	0
Jaipur (Sanganer)	0230	390	997.1	954.4	..	27.9	23.9	21.8	26.1	72	..	4.1	..	7.1	0	2	18	1	0	8	0	1	1	6	3	11	0
	0530	,,	997.4	954.6	..	27.0	23.8	22·2	26.7	76	..	4.7	..	7·4	0	3	22	2	1	7	0	0	0	10	5	6	0
	0830	,,	998.6	955.8	—0.7	28.7	24 3	22·0	26.4	69	—5	5.4	+0·2	13.9	0	9	18	1	1	6	2	0	1	8	8	4	0
	1130	,,	998.2	955.9	..	31 5	24·8	21.5	25.6	58	..	5.3	..	15.4	0	1	27	2	1	8	1	0	2	7	7	3	0
	1430	,,	996.3	954.2	..	33.0	25.1	21.1	25.0	58	..	5.6	..	16.4	0	10	21	0	2	8	2	2	3	9	5	0	0
	1730	,,	994.9	952.9	..	32.5	24.7	20.7	24.4	53	..	5.9	..	12.8	0	19	10	1	2	8	1	1	3	9	4	2	0
	2030	,,	996.6	954.2	..	30.2	24.5	21.6	25.8	64	..	4.6	..	8.0	0	2	21	1	0	7	1	0	1	8	5	8	0
	2330	,,	997.7	955.0	..	28.9	24.3	22.0	26.4	69	..	4.6	..	8.0	0	2	24	2	1	8	2	1	2	8	2	5	0
Dholpur	0830	176	998.1	978.7	..	30.1	26.0	24.3	30.4	73	..	4.7	..	5 5	0	1	24	0	2	7	3	1	2	9	1	6	0
	1730	,,	995.2	976.0	..	32.7	26.4	23.8	29.5	62	..	5.0	..	5.1	0	0	25	1	7	1	4	0	4	3	5	6	0
Ajmer	0830	486	999.4	946.3	0	26.9	23.6	22.1	26.6	77	+3	6.4	+1.6	19.4	0	3	28	0	5	2	0	1	10	12	1	0	0
	1730	,,	995.6	943.4	..	31.3	24.6	21.6	25.8	59	..	5.6	..	12.8	0	5	23	1	4	1	2	1	9	10	0	3	0
Tonk	0830	272	998.0	968.0	..	29.5	26.9	24.3	30.4	74	..	4.5	..	7.7	0	0	31	1	2	5	1	1	1	18	2	0	0
	1730	,,	994.2	965.0	..	33.3	26 8	23.8	29.5	61	..	5.6	..	7.3	0	0	31	1	5	3	0	1	6	12	3	0	0
Bhilwara	0830	425	999.5	953.3	..	27.7	23.6	21.3	25.3	70	..	4.5	..	13.0	0	9	20	5	1	2	0	1	11	5	4	2	0
	1730	,,	997.4	951.6	..	32.3	24.6	20.6	24.3	55	..	4.5	..	12.2	0	5	24	5	3	2	0	4	9	4	2	2	0
Kota	0830	257	998.9	970.7	—0·1	29.3	25.2	23.3	28.6	72	+2	6.1	+0.8	12.1	0	5	24	3	1	0	2	0	3	16	4	2	0
	1730	,,	995.4	967.6	..	33.0	25.6	22.1	26.5	56	..	5.8	..	10.1	0	2	26	3	3	1	2	1	3	3	12	3	0
Kota (Aerodrome)	0530	274	998.0	967.7	..	27.6	24.1	22.4	27.1	74	..	5.3	..	11.4	0	8	21	0	2	2	0	1	5	18	1	2	0
	0830	,,	999.4	969.2	..	28.9	24.5	22.3	26.9	70	..	6.0	..	12 8	0	5	26	1	3	3	0	0	4	17	3	0	0
	1130	,,	999.1	969.2	..	31.5	24.8	21.4	25.5	58	..	5.9	..	13.0	0	8	23	1	8	0	1	0	4	13	4	0	0
	1730	,,	995.7	965.9	..	32.8	24.9	20.7	24.4	53	..	6.5	..	13.0	0	8	22	2	3	4	1	0	5	10	5	1	0
	2330	,,	998.6	968·5	..	29.4	24.7	22.1	26.6	64	..	5·1	..	6.9	0	14	17	2	1	6	1	1	7	12	1	0	0
Chambal (Rawat Bhatta Dam)	0830	351	999.5	961 0	..	28.0	24.4	22.7	27.6	74	..	4·8	..	10 1	0	7	22	3	0	1	3	0	8	8	6	2	3
	1730	,,	995.6	957.7	..	31·9	25·0	21.7	25.9	59	..	5.3	..	9.7	0	3	27	3	2	2	2	1	6	7	7	1	0
Udaipur	0230	582	999.4	936.0	..	25.5	22.8	21.4	25.5	79	..	5.2	..	4.0	0	1	12	0	0	0	2	1	9	0	1	18	0
	0530	,,	992.2	935.6	..	25.0	22.4	21·1	25.0	80	..	6.0	..	4.7	0	2	14	0	0	0	4	3	7	2	0	15	0
	0830	,,	1000.2	936.8	+0.1	26.3	22.9	21.4	25·5	75	—1	6.4	+1.0	3.4	0	1	13	1	0	0	2	1	7	2	1	17	0
	1130	,,	1000.0	937.0	..	28.8	23.7	21.3	25.3	66	..	6.8	..	4.5	0	1	22	1	1	2	0	5	7	2	3	8	2
	1730	,,	997.2	934·6	..	29.3	23.8	21.2	25.2	64	..	6.6	..	4·8	0	0	10	1	1	0	1	1	9	6	3	8	1
	2330	,,	999.8	936.4	..	26.2	23.0	21.4	25·5	76	..	5.4	..	3·7	0	2	23	0	1	0	0	2	8	0	1	19	0
Jhalawar	0830	321	999.1	963 8	—0.5	28.0	24.4	22·6	27.4	73	—8	5.7	—0·6	11·0	0	10	29	1	1	1	1	0	12	12	3	0	0
	1730	,,	996.0	961·1	..	31.8	24.7	21.0	24.9	51	..	6.0	..	11.2	1	0	29	2	2	1	1	0	10	11	3	1	0
Banswara	0830	220	1001.1	976.6	..	26.4	24.4	23.4	28.8	84	..	..	..	7.3	0	0	31	0	0	0	0	1	22	7	1	0	0
	1730	,,	998.0	974.0	..	31.0	25.0	22.1	26.6	63	..	..	..	6.3	0	0	30	1	0	0	0	2	16	9	2	1	0
Madhya Pradesh West																											
Gwalior	0230	207	996.7	976.9	..	29.2	24.5	22.2	26.9	70	..	4.9	..	7.8	0	3	21	0	2	6	2	3	2	7	2	7	0
	0530	,,	997.1	974·2	..	28.4	24.4	22.3	27.3	73	..	5 7	..	9*0	0	2	26	1	1	7	2	3	4	7	3	3	0
	0830	,,	998·5	975·3	+0·2	29·5	25·0	22·8	27·0	70	—7	6·1	+0.3	12·4	0	5	24	1	3	3	5	1	3	10	3	2	0
	1130	,,	998.2	975 7	..	32.3	25.6	22.5	27 3	59	..	6.6	..	14·3	0	7	23	0	5	3	6	1	3	7	5	1	0

(a) Mean of 30 days. (b) Mean of 29 days. (R) Register not received. * Observations for both the hours for 25 days. (c) Mean of 28 days.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in kms. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh West—(*Contd.*)																											
Gwalior—*Contd.*	1430	207	996.4	993.9	+0.2	32.9	25.6	22.1	26.9	58	..	6.7	..	12.8	0	7	24	4	2	7	4	1	3	7	3	0	0
	1730	,,	995.0	972.5	..	32.8	25.5	21.9	26.8	58	..	6.6	..	12.0	0	3	28	3	3	6	3	2	4	6	4	0	0
	2030	,,	996.7	974.0	..	20.5	25.1	22.5	27.4	66	..	5.8	..	0.2	0	3	27	1	3	4	4	4	6	5	3	1	0
	2330	,,	997.4	974.7	..	29.8	25.1	22.6	27.9	66	..	5.3	..	10.0	0	3	25	0	3	8	0	5	7	4	1	3	0
Sheopur	0830	235	999.0	973.1	-0.1	28.8	25.2	23.5	29.1	75	—5	5.9	—0.9	15.2	0	6	25	3	2	4	2	4	5	7	4	0	0
	1730	,,	995.5	970.0	..	33.7	25.9	22.1	26.9	55	..	6.0	..	14.2	0	8	23	3	3	3	3	3	7	8	1	0	0
Shivpuri	0830	464	999.1	948.2	..	26.8	23.7	22.3	26.9	77	..	6.2	..	17.0	0	13	18	1	5	4	0	1	6	12	2	0	0
	1730	,,	995.1	945.3	..	30.7	24.2	21.2	25.3	61	..	5.6	..	8.5	0	2	28	1	4	0	0	2	1	7	15	1	0
Nowgong	0830	229	998.5	973.4	—0.5	29.2	24.9	22.9	27.9	71	—8	5.4	—0.8	10.0	0	1	30	0	2	5	2	7	11	3	1	0	0
	1730	,,	995.2	970.4	..	32.4	25.4	22.0	26.7	58	..	6.3	..	7.1	0	0	29	2	3	5	2	2	8	4	3	2	0
Guna	0530	478	998.5	945.9	..	25.1	23.1	22.2	26.7	85	..	6.5	..	15.5	0	9	22	2	4	0	1	1	12	11	0	0	0
	0830	,,	999.5	947.2	-0.1	26.4	23.8	22.7	27.6	81	—2	6.5	+0.7	12.1	0	6	25	2	3	0	1	2	4	18	1	0	0
	1130	,,	999.2	947.2	..	29.1	24.8	23.0	28.1	72	..	6.6	..	17.2	0	10	21	1	6	1	0	0	8	10	5	0	0
	1730	,,	996.1	944.3	..	29.7	24.7	22.5	27.4	69	..	6.6	..	16.6	0	9	21	1	6	1	2	1	8	9	2	1	0
	2330	,,	999.2	946.5	..	26.4	23.8	22.6	27.6	81	..	5.9	..	11.7	0	4	26	1	2	1	2	3	12	7	2	1	0
Nimach	0830	496	1000.9	946.4	+0.4	25.9	23.3	22.1	26.6	80	0	6.7	+0.9	18.8	0	15	15	1	3	1	0	0	7	16	1	1	1
	1730	,,	997.4	943.7	..	29.5	24.0	21.5	25.6	67	..	6.8	..	16.9	0	11	20	1	2	0	0	0	7	18	2	0	1
Rajgarh	0830	382	1000.1	958.0	..	27.4	24.3	22.9	27.9	78	..	6.3	..	16.1	0	10	21	2	1	0	1	2	3	18	4	0	0
	1730	,,	996.6	955.3	..	31.8	25.1	21.7	26.3	59	..	6.2	..	14.2	0	6	25	1	2	2	0	1	0	18	7	0	0
Sagar	0830	551	999.7	939.4	+0.1	25.2	22.9	21.9	26.3	83	—7	6.7	+0.5	7.1	0	0	30	0	1	1	0	0	7	14	7	1	0
	1730	,,	996.0	936.7	..	29.2	23.7	21.2	25.3	65	..	5.7	..	5.5	0	0	28	0	3	0	3	0	8	10	4	3	0
Ratlam	0830	486	1001.4	947.7	0	25.0	23.3	22.6	27.4	87	—4	6.9	+0.6	17.1	0	8	23	0	0	1	0	1	7	19	3	0	0
	1730	,,	997.8	945.1	..	29.5	24.3	22.0	26.6	67	..	6.9	..	16.5	0	11	20	1	1	1	1	1	12	12	2	0	0
Bhopal (Bairagarh)	0230	523	999.2	941.7	..	24.8	22.7	21.7	26.0	83	..	6.2	..	15.0	0	11	17	1	0	1	1	2	9	12	2	3	0
	0530	,,	999.3	941.8	..	24.2	22.6	21.8	26.8	87	..	6.9	..	15.8	0	10	19	0	1	0	1	2	10	13	2	2	0
	0830	,,	1000.5	943.1	-0.2	25.6	23.4	22.4	27.1	83	—3	7.0	+0.4	18.9	0	17	14	9	0	1	1	1	10	14	4	0	0
	1130	,,	1000.2	943.2	..	28.0	24.1	22.4	27.3	73	..	6.9	..	19.5	0	19	11	1	1	1	1	1	7	15	3	1	0
	1430	,,	997.8	941.4	..	30.0	24.7	22.5	27.[illegible]	66	..	6.9	..	19.9	0	17	14	0	1	1	1	1	8	16	3	0	0
	1730	,,	996.7	940.2	..	29.3	24.3	22.1	26.6	68	..	6.6	..	19.4	0	17	14	0	1	3	2	2	6	12	5	0	0
	2030	,,	998.9	941.7	..	27.2	23.6	22.0	26.4	76	..	6.3	..	13.7	0	7	22	0	1	1	2	2	9	12	2	2	0
	2330	,,	999.9	942.0	..	25.7	23.2	22.1	26.6	80	..	6.3	..	13.7	0	9	21	0	0	1	2	3	10	12	2	1	0
Ujjain	0830	489	1001.1	947.2	..	25.4	23.2	22.3	26.7	84	..	7.5	..	25.7	0	22	9	0	1	0	0	1	1	20	8	0	1
	1730	,,	997.5	944.4	..	29.1	23.9	21.5	25.8	67	..	7.5	..	24.1	0	22	8	1	1	1	0	1	2	16	8	1	0
Narsinghpur	0830	350	1000.6	961.2	..	26.3	24.1	23.0	28.3	82	..	7.0	..	5.3	0	0	31	0	3	0	5	1	18	1	3	0	0
	1730	,,	997.1	958.3	..	29.9	25.0	22.6	27.6	66	..	5.9	..	4.3	0	0	31	0	2	0	6	0	18	0	5	0	0
Hoshangabad	0830	302	1001.2	967.3	-0.4	25.4	23.9	23.1	28.3	88	+2	7.5	+0.6	3.0	0	0	30	0	0	0	1	7	20	2	0	1	0
	1730	,,	997.7	964.6	..	29.1	25.0	23.1	28.3	75	..	6.3	..	3.3	0	0	30	0	0	0	0	6	21	3	0	1	0
Indore	0530	567	1000.2	937.7	..	23.5	22.3	21.7	26.1	90	..	6.7	..	26.5	0	22	9	0	0	0	0	0	18	10	3	0	0
	0830	,,	1001.3	939.1	0	24.7	22.7	21.8	26.1	85	—2	6.8	-0.4	28.3	0	25	6	1	0	0	0	1	9	18	2	0	0
	1130	,,	1000.6	939.0	..	27.0	23.5	20.9	25.6	70	..	6.8	..	28.8	0	23	8	1	1	0	0	0	14	13	2	0	0
	1730	,,	997.3	936.1	..	29.0	23.4	20.8	24.7	64	..	6.1	..	24.9	0	21	8	1	1	1	0	0	14	10	2	2	0
	2330	,,	1000.8	938.6	..	24.9	22.8	21.9	26.3	84	..	5.6	..	23.3	0	16	15	0	0	0	0	1	19	11	0	0	0
Rajpur (Jhabua)	0830	293	1002.4	969.8	..	25.7	23.9	23.0	28.3	85	..	6.7	..	15.0	0	8	23	0	0	0	1	0	4	26	0	0	0
	1730	,,	999.0	966.8	..	29.2	24.8	22.6	27.7	70	..	6.3	..	14.1	0	5	25	1	0	0	0	1	3	25	0	1	0
Chhindwara	0830	683	1000.6	925.9	—0.3	24.1	22.0	20.9	24.9	83	—4	7.1	-0.4	14.8	0	8	22	1	0	2	0	1	4	19	3	1	0
	1730	,,	997.7	923.8	..	26.8	22.8	20.9	24.9	72	..	7.2	..	13.0	0	9	18	2	0	2	0	3	1	18	1	4	0
Seoni	0830	619	1001.1	933.5	+0.6	24.9	22.9	22.0	26.4	84	+1	7.0	+0.7	11.1	0	0	31	1	0	0	1	1	14	10	4	0	0
	1730	,,	997.9	930.9	..	27.3	23.6	21.9	26.3	74	..	6.7	..	11.5	0	4	26	4	0	0	2	4	6	9	5	1	0
Betul	0830	653	1001.8	930.3	0	23.8	22.1	21.3	25.3	86	—3	7.4	—0.3	7.7	0	0	31	0	1	0	0	1	2	16	11	0	0
	1730	,,	998.1	927.5	..	27.2	23.2	21.4	25.5	73	..	7.0	..	8.8	0	0	30	0	2	0	0	1	1	13	10	1	0
Khandawa	0830	318	1002.1	966.7	+0.2	26.2	23.6	22.3	26.9	80	0	6.7	+0.6	5.2	0	0	31	0	0	0	0	0	27	4	0	0	0
	1730	,,	998.5	963.7	..	30.2	24.9	22.4	27.3	65	..	6.0	..	5.2	0	0	31	0	0	0	0	0	24	2	5	0	0
Madhya Pradesh (East)																											
Satna	0530	317	998.1	963.0	..	26.5	24.2	23.2	28.4	83	..	5.1	..	6.6	0	0	30	0	1	5	2	3	11	7	1	1	0
	0830	,,	999.2	964.6	+0.8	28.4	25.0	23.4	29.0	76	—3	5.0	—1.2	6.0	0	0	30	0	0	6	3	1	5	15	0	1	0
	1130	,,	998.6	64.1	..	31.3	25.7	23.2	28.4	64	..	5.9	..	8.4	0	2	29	0	2	3	0	5	7	13	1	0	0
	1730	,,	996.0	961.	..	30.7	25.8	23.6	29.3	70	..	6.0	..	7.7	0	0	30	2	2	2	0	4	5	9	6	1	0
	2330	,,	998.7	963.8	..	27.8	25.0	23.7	29.3	79	..	4.7	..	6.6	0	0	28	0	0	7	1	3	16	1	0	3	0

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in kms. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh (East)—(Contd.)																											
Rewa	0830	299	998·7	966·2	..	29·3	24·9	22·8	27·9	70	..	4·8	..	8·8	0	0	31	1	1	4	3	3	5	12	2	0	0
	1730	,,	995.7	963.2	..	31.5	25.3	22·0	27.3	58	..	5.8	..	9.2	0	0	30	2	2	5	3	2	2	10	4	1	0
Sidhi	0830	272	998.5	968.6	..	29.2	25.5	23.8	29.5	74	..	5.7	..	1.6	0	0	23	0	1	5	1	8	2	6	0	8	0
	1730	,,	995.2	965.6	..	31.6	25.8	23.1	29.4	64	..	5.4	..	1.7	0	0	26	4	0	10	0	1	0	10	1	5	0
Umaria	0830	459	1000.1	949.8	..	26.8	24.3	23.3	28.6	81	—2	6.4	—0·6	9.4	0	0	31	0	1	1	2	2	8	16	1	0	0
	1730	,,	996.6	946.9	..	29.3	25.4	23.9	29.7	74	..	6.9	..	9.9	0	2	28	1	1	1	1	1	9	12	0	1	4
Jabalpur	0530	393	999.4	955.9	..	25.0	23.2	22.4	27.0	86	..	7·9	..	5.4	0	1	28	0	1	1	3	6	6	12	0	2	0
	0830	,,	1000.6	957.3	+0·8	26.4	23.9	22.7	27.8	81	—2	6.8	+0·1	6.6	0	0	31	1	0	1	2	4	10	13	0	0	0
	1130	,,	1000.2	957.2	..	28.9	24.6	22.7	27.4	70	..	6.7	..	7·0	0	0	31	1	1	1	2	4	8	14	0	0	0
	1430	,,	997.9	955.2	..	30.2	24.9	22.6	27.3	66	..	7.0	..	7.5	0	0	31	0	2	1	3	2	8	14	1	0	0
	1730	,,	997.3	954·5	..	29.0	24.4	22·2	26.8	69	..	7.1	..	7.9	0	1	30	2	2	0	3	2	10	11	1	0	0
	2330	,,	1000.0	956 6	..	25.9	23.8	22.7	27 9	84	..	6.0	..	4.5	0	0	24	3	0	0	5	5	8	5	1	7	0
Ambikapur	0830	611	1000.4	933.8	+0·1	25.6	23.2	22.2	26.6	82	—5	6.3	+0·4	5.5	0	0	24	1	2	1	2	5	7	4	1	7	0
	1730	,,	996 9	931.0	..	27.6	23.9	22.3	26.9	75	..	6.4	..	4.8	0	0	26	0	4	1	3	3	8	3	1	5	1
Jashpur nagar	0830	*779	999.9	915.6	..	24.2	22.1	21.2	25.0	84	..	7.1	..	3.7	0	0	30	1	7	0	1	0	4	3	4	1	0
	1730	,,	996.9	913.4	..	25.9	23.0	21.6	26.1	78	..	6.7	..	4.0	0	0	31	0	4	1	0	1	16	3	5	0	1
Pendra	0530	,,	999.5	931.2	..	23.6	22.2	21.5	25.8	88	..	6.9	..	6.3	0	2	21	1	1	0	3	9	2	4	3	8	0
	0830	,,	1000.5	932.4	+0·6	25.1	22.8	21.8	26.1	83	—1	6.5	+0·7	9.9	0	4	24	3	1	1	1	7	5	5	5	3	0
	1130	,,	999.9	932.3	..	27.3	23.7	22.2	26.6	75	..	6.5	..	11 7	0	6	24	6	1	2	2	6	6	5	2	1	0
	1430	,,	997.8	930·5	..	27.9	24.0	22.3	27·0	73	..	6.5	..	13.0	0	5	25	4	2	0	1	9	4	6	4	1	0
	1730	,,	997.1	929·7	..	27.2	23.7	22.3	26·8	76	..	6·2	..	9.9	0	2	28	1	0	0	2	11	7	5	4	1	0
	2330	,,	1000.2	932.0	..	24.5	22 8	22.0	26.4	87	..	6.1	..	10 3	0	6	23	2	1	0	2	11	5	5	3	2	0
Mandla	0830	443	1000.6	951.9	0	26.0	23.5	22.3	26.7	80	—8	6.6	—0·3	8.1	0	0	26	5	0	1	0	11	1	5	3	5	0
	1730	,,	997.3	949.1	..	28.1	24.2	22.3	25.9	73	..	5.9	..	5.8	0	0	26	6	1	0	0	13	1	0	5	5	0
Champa	0830	245	1001.2	970.8	+0.4	26.7	24.4	23.2	28.6	81	—5	7.0	—0·1	9.3	0	0	31	0	2	1	1	1	11	11	4	0	1
	1730	,,	997.8	970.8	..	29.7	25.0	22 9	28.3	69	..	7.3	..	12·2	0	9	21	1	1	2	0	1	17	7	1	1	0
Raigarh	0830	220	1001.2	976.7	+0·5	26.9	24.6	23.5	28.9	82	—3	6 9	—0·4	5.6	0	0	31	3	3	0	1	3	16	1	7	0	0
	1730	,,	997.8	963.6	..	29.0	25.1	23.3	28.6	73	..	7.1	..	3.2	0	0	30	0	4	0	2	0	15	3	3	1	0
Raipur	0530	228	1000.2	967.0	..	24.9	23.4	22·6	27.4	87	..	7 0	..	10.1	0	1	29	0	0	1	0	5	14	10	0	1	0
	0830	,,	1001.6	968.5	+0·9	26.5	23.9	22.7	27.6	80	—4	6.6	+0·2	11.7	0	1	30	1	0	1	0	3	12	12	2	0	1
	1130	,,	1001 1	968.3	..	29.0	24.5	22.4	27.1	69	..	7.1	..	12 3	0	0	30	0	1	0	1	1	8	15	3	1	0
	1430	,,	998.9	966.3	..	30.1	24.8	22·3	26.9	65	..	6 9	..	13 2	0	2	29	0	0	0	1	3	8	15	3	0	0
	1730	,,	998·4	965·6	..	28 9	24·5	22·4	27·1	70	..	7·0	..	11·7	0	1	29	0	1	1	1	4	11	12	0	1	0
	2330	,,	1001·1	967 9	..	25·8	23·9	22·9	28·4	85	..	6 9	..	11·4	0	0	31	0	0	1	0	7	13	10	0	0	0
Kanker	0830	402	1002·2	957·9	+1·3	26·0	23·4	22·1	26·6	79	—3	6·7	—0·7	7·5	0	0	27	0	0	0	0	0	22	3	2	4	0
	1730	,,	999 1	955·3	..	27.8	24·3	22·7	27·6	75	..	7.0	..	7.1	0	0	28	0	0	0	1	0	22	5	0	3	0
Jagdalpur	0530	553	1001.6	940.7	..	22.9	21.7	21.1	25 0	89	..	7.0	..	7.5	0	2	25	0	0	0	1	3	22	5	1	4	0
	0830	,,	1002.8	942.1	+0·8	24.4	22.3	21.3	25.3	89	—1	7.3	+0·7	10.0	0	1	28	0	0	0	0	3	22	3	1	2	0
	1130	,,	1002.2	941.9	..	26.3	23.0	21.5	25.6	76	..	7·0	..	12.6	0	5	26	1	0	0	0	1	22	6	1	0	0
	1730	,,	999 7	939.7	..	25.6	24.1	21.5	25.8	75	..	7·3	..	8.3	0	2	29	0	0	0	0	3	23	4	1	0	0
	2330	,,	1002.4	941·6	..	23.7	22.2	21.1	25.8	88	..	5.8	..	7.0	0	1	22	0	0	0	0	6	15	1	1	8	0
Gujarat Region (including Daman, Dadara and Nagar Haveli)																											
Deesa	0830	136	1001.4	986.0	+0·8	26.8	21.8	23·9	29 7	84	..	6.1	..	11.4	0	4	27	0	2	0	3	3	16	0	7	0	0
	1730	,,	997.0	982.0	..	32.4	25.9	22.8	28.1	60	..	6.5	..	15.1	0	6	25	0	2	0	4	2	16	2	5	0	0
Radhnpaur	0830	30	1001.5	998.0	..	27·6	25.6	24.9	31.1	86	..	..	..	5 4	0	0	31	0	0	1	0	2	18	6	4	0	0
	1730	,,	999.5	996.3	..	32.5	26.7	23.9	30 2	63	..	..	..	5 9	0	0	31	0	0	1	1	4	19	4	2	0	0
Idar	0530	219	1001.4	996·9	..	26.3	24.4	23·6	28·9	85	..	7·2	..	5·2	0	1	30	1	0	0	3	2	13	11	1	0	0
	1730	,,	997.6	973.6	..	31·0	25·5	23 0	28·3	66	..	6.9	..	4.5	0	0	29	0	0	1	2	0	9	15	0	2	0
Ahmadabad	0230	55	1000·6	994.3	..	26.8	25.0	24.2	30.2	86	..	5 0	..	11 2	0	2	27	0	0	1	0	1	13	12	2	2	0
	0530	,,	1000.5	994.2	..	26.2	24.7	24.1	30.0	89	..	5 8	..	11.1	0	2	27	0	0	0	0	1	16	11	1	2	0
	0830	,,	1001.6	995.4	+0.1	27.3	25.3	24·4	30.5	85	+5	6 5	+0·1	11·5	0	1	29	0	0	0	0	1	13	12	4	1	0
	1130	,,	1001.7	995.5	..	30.4	26.1	23.5	30.5	73	..	6.8	..	15·7	0	7	24	1	0	0	2	0	10	15	3	0	0
	1430	,,	999 8	993·6	..	32.3	26.4	23.7	29·7	64	..	6.3	..	14·8	0	7	24	1	0	0	2	2	10	14	3	0	0
	1730	,,	698.2	992 2	..	32.1	26.4	23·7	30.7	65	..	6.3	..	14.8	0	5	26	1	0	0	2	3	7	16	2	0	0
	2030	,,	999.9	993.7	..	28.6	25.7	24.3	28.9	80	..	6.5	..	13.5	0	5	23	0	0	0	3	2	10	12	2	3	0
	2330	,,	1001.3	995.0	..	27.7	25.3	24.3	30.7	85	..	5.7	..	11 2	0	5	21	0	0	0	1	2	13	10	0	5	0
Dohad	0830	333	1001.6	964.7	0	25.9	23.6	22.5	27.3	83	—5	7 0	—0·2	23.5	0	26	5	0	0	4	0	1	13	16	1	0	0
	1730	,,	998.2	961.8	..	30.8	34.3	20.4	25.0	60	..	(a) 6.2	..	(a) 19·7	0	22	8	0	0	0	1	0	24	5	0	0	0

*Height provisionally calculated.

(a) Mean o 30 days.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind Speed in Kms. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Gujrath Region (including Daman Dadra and Nagar Haueli)																											
Vallabh Vidyanagar	0830	44	1001·8	996·8	..	26·7	25.1	24.4	30·5	87	..	6.3	..	9.2	0	2	29	0	0	0	2	2	23	2	2	0	0
	1730		998·4	993·5	..	30·8	26.0	23.8	29.7	69	..	5.9	..	11.9	0	6	25	1	1	0	3	2	23	1	0	0	0
Baroda Aerodrome	0830	38	1002·2	997.9	..	27.3	25·4	24.5	30·7	86	..	6·5	..	18.5	0	10	21	0	0	0	1	5	16	8	1	0	0
	1130	,,	1002·0	997·8	..	29·6	25·9	24·3	30.4	75	..	6.6	..	22.8	0	21	10	1	0	0	1	3	16	9	1	0	0
	1730	,,	998.9	994·7	..	30·5	26.1	24·1	30·2	72	..	6.6	..	27.2	0	24	6	0	0	1	0	7	17	5	0	1	0
Baroda	0530	34	1001·3	997·3	..	26.3	24.9	24·2	30·4	89	..	5.1	..	0.8	0	0	8	0	0	0	0	0	3	5	0	23	0
	0830	,,	1002·5	998.6	+0.6	27·4	25·5	24·6	30.9	85	−3	6.0	−0.8	2.5	0	0	21	0	0	0	1	0	13	8	1	8	0
	1130	,,	1002·4	993.5	..	30·1	26.2	24·5	30·9	74	..	6.5	..	3.8	0	0	23	0	0	0	0	1	16	10	0	4	0
	1730	,,	999·4	995.5	..	30·8	26.3	24.2	30 4	72	..	6.2	..	3.3	0	0	27	0	0	0	0	0	15	8	0	8	0
	2330	,,	1002.2	998.2	..	27·1	25.4	24·5	31·1	86	..	5.3	..	2.9	0	0	23	0	0	0	0	0	15	8	0	8	0
Broach	0830	17	1002.2	1000.2	+0.1	26.8	25·2	24.4	30·7	87	0	6.0	−0.4	6.4	0	0	31	0	0	0	0	1	24	4	2	0	0
	1730	,,	999.7	997.8	..	30.3	26·0	24.0	30.4	72	..	5.3	..	7.5	0	0	31	0	0	0	0	2	26	1	2	0	0
Surat	0530	12	1001.9	1000.6	..	26·4	24.9	24.2	30.4	88	..	6.3	..	11.5	0	3	28	0	0	0	0	0	31	0	0	0	0
	0830	,,	1003.1	1001.8	+0.7	27·5	25·6	24·8	31.1	87	+4	7.0	+0.1	8.3	0	1	29	0	0	0	0	0	30	0	0	1	0
	1130	,,	1003.4	1002.1	..	29·1	26·0	24.7	31.1	78	..	6.7	..	13.4	0	6	25	0	0	0	0	0	31	0	0	0	0
	1730	,,	1001·0	999.7	..	29·0	26·0	24.7	31.1	79	..	6.5	..	13.2	0	5	26	0	0	0	0	0	31	0	0	0	0
	2330	,,	1003.2	1001·9	..	26·9	25.3	24.5	30.9	87	..	5.6	..	13.0	0	5	26	0	0	0	0	0	31	0	0	0	0
Saurashtra and Kutch (including Diu)																											
Valiya	0830	21	1000.4	998.0	..	28·0	25·8	24.8	31.5	84	..	6.6	..	19.5	0	18	12	0	0	0	.	2	20	5	2	1	0
	1730	,	993·4	996·0	..	29.6	26·3	24.5	31.5	76	..	6.4	..	20.9	0	22	9	0	0	0	0	7	21	3	0	0	0
Bhuj (Rudramata)	0230	80	999.8	990·7	..	26.9	25·6	25.1	31.9	90	..	5.4	..	15·9	0	7	23	1	0	0	0	1	12	13	3	1	0
	0530	,,	999.6	990.5	.	26.6	25·3	25.8	31.1	90	..	6.0	..	15·3	0	9	19	1	0	0	0	0	10	15	2	3	0
	0830	,,	1000.7	991·7	+0.7	27.9	25·9	25.0	31.9	84	+9	6.3	+0.5	19·5	0	15	15	1	0	0	0	0	9	17	3	1	0
	1130	,,	1000.7	991.8	..	30.7	26.4	25.1	30.7	73	..	6.5	..	24·0	0	19	11	1	2	0	1	0	11	13	2	1	0
	1430	,,	999 4	990·5	..	31.9	27.4	25.2	32.6	69	..	6.5	..	26·3	0	21	10	1	0	1	2	1	12	12	2	0	0
	1730	,,	993.2	989.3	.	31.2	26.6	24.6	31 1	69	..	6.3	..	26·4	0	26	5	0	0	0	0	0	13	17	1	0	0
	2030	,,	999.7	990.6	..	28.3	26.0	25.0	31.7	83	..	5.2	..	21.6	0	15	16	0	0	0	0	0	12	18	1	0	0
	2330	,,	1000.7	991.7	..	27.4	25.8	25.1	31.9	87	..	4.5	..	17 9	0	13	15	0	0	0	0	0	14	13	1	3	0
Kandla Aerodrome	0830	35	1001.2	997.3	..	28.0	25.3	23.9	30.0	78	..	5.3	..	27·7	0	22	9	1	0	1	0	1	21	5	2	0	0
	1130	,,	1001.3	997.4	..	31.0	25.7	23·3	28.6	65	..	5 6	..	29 7	0	20	11	1	0	1	1	2	19	4	3	0	0
	1730	,,	998·6	994.7	..	31.9	25.7	22·8	27.9	59	..	4.8	..	35.9	0	27	4	0	0	0	1	3	24	3	0	0	0
New Kandla	0830	14	1001.6	1000.0	..	28.1	25.6	24.4	30.7	81	..	6.5	..	22·9	0	18	13	1	2	0	0	0	13	13	2	0	0
	1730	,,	999.2	997,6	..	30·8	26.2	24 2	30.2	69	..	5.6	..	33·5	0	27	2	0	0	0	0	1	14	13	1	2	0
Mandvi	0830	9	1001.4	1000.3	+0.8	28.3	26 4	25.6	32.8	86	−1	6.7	+0.7	37.1	4	10	5	1	0	0	0	0	21	6	1	0	0
	1730	,,	999.4	998.3	..	29·4	26.5	25.2	32.2	79	..	6.2	..	41.0	1	28	2	0	0	0	0	1	20	9	1	0	0
Surendranagar	0830	74	1001.8	993.4	+0.5	27.6	26.2	25.5	32.8	89	+5	(a) 6.1	−0.3	(a) 13 0	0	16	12	0	0	1	2	2	4	16	3	2	0
	1730	,,	998.0	989.8	..	32 4	27.4	25.4	32.4	69	..	6.7	..	16.3	0	9	22	0	0	2	2	0	1	25	1	0	0
Dhrangadhra	0530	7	1000·6	999·8	..	27.2	25.6	24·9	31.5	87	..	5.8	..	28.6	1	25	5	0	0	0	0	2	17	10	2	0	0
	0830	,,	1001.9	1001.1	..	27.9	25.9	25.0	31·7	84	..	6.7	..	27 0	0	24	7	1	0	1	0	2	13	11	3	0	0
	1130	,,	1002.3	1001.5	..	29.0	26.3	25.1	31.9	79	..	6.5	..	29.6	0	28	3	0	1	1	0	0	15	11	3	0	0
	1730	,,	1000.1	999.3	..	28 9	26.3	25.2	32.1	81	..	6.2	..	28.9	0	28	3	0	0	0	0	0	17	12	2	0	0
	2330	,,	1002.0	1001.2	..	27.6	25.8	25.1	31.7	85	..	5 5	..	28.1	0	27	4	0	0	0	0	1	19	10	1	0	0
Jamnagar Aerodrome	0530	23	1000.5	997.9	..	25.9	25.0	24·6	30.9	92	..	5.7	..	20.3	0	19	11	0	0	0	0	0	11	15	1	1	0
	0830	,,	1001.7	999·1	+0.1	27.4	25.8	25.1	31.9	87	+6	6.3	+1.4	21.6	0	22	9	0	0	0	0	0	10	19	2	0	0
	1130	,,	1001.7	999.2	..	30.4	26.2	24.4	30.6	68	..	6 5	..	28.9	0	26	5	1	1	0	0	1	7	19	2	0	0
	1730	,,	999.4	996.8	..	29.7	26.1	24·5	30.9	75	..	6.0	..	31.4	1	29	1	1	0	0	0	1	3	22	4	0	0
	2330	,,	1001.7	999·1	..	26.9	25.4	24.7	31.1	88	..	5.1	..	22.4	0	21	9	1	0	0	0	0	10	19	0	1	0
Dwarka	0830	11	1001.7	1000.4	+0.7	27.9	25.9	25.3	31.9	86	+3	7.0	+0.4	23.9	0	28	3	0	1	0	0	1	11	17	1	0	0
	1730	,,	1000.1	998.8	..	28.9	26.6	25.6	33.0	83	..	6.5	..	27.5	0	27	4	0	0	0	0	0	11	19	1	0	0
Rajkot	0530	138	1000.7	985.1	..	25.3	24.2	23.7	29.3	91	..	4.7	..	20 4	0	22	5	0	0	0	0	2	16	6	3	4	0
	0830	,,	1001.8	986·4	+0.3	26.9	25 4	24.7	31.1	88	0	5.5	−0.5	26.1	0	27	4	0	0	1	0	1	19	8	2	0	0
	1130	,,	1001.4	986·2	..	30.2	26.5	24.9	31.5	75	..	5.2	..	32.1	1	26	4	0	0	1	1	0	12	15	2	0	0
	1730	,,	998.9	983.7	..	30.3	26·5	24.9	31.5	75	..	4.3	..	39.9	2	28	1	0	0	0	0	0	13	11	7	0	0
Bhavnagar Aerodrome	0830	11	1002.5	1001·3	+0.8	28.2	25.1	23.7	29.3	77	+5	6.0	−0.3	26.8	0	25	6	2	0	0	0	2	14	13	0	0	0
	1130	,,	1002.3	1001·1	..	31·5	25.9	23.4	28.8	64	..	6.5	..	29 9	0	25	6	1	0	1	1	1	13	12	0	0	2
	1730	,,	999.2	998.0	..	32.0	26.0	23.2	28.6	62	..	6.0	..	41.5	1	29	1	1	0	0	0	5	16	7	1	0	1
Porbandar Aerodrome	0830	7	1002.3	1001·5	+0.8	27.7	25.6	24.7	31.1	84	−4	6.6	−0.2	21.5	0	21	10	1	0	0	1	2	12	12	3	0	0
	1130	,,	1002.7	1001.9	..	29.1	26.2	25.0	31.7	79	..	6.2	..	24 8	0	23	8	0	0	0	0	1	15	14	1	0	0
	1730	,	1000.7	999.9	..	28.7	25.9	24.6	30.0	79	..	6.1	..	27.6	0	28	3	0	1	0	0	0	16	13	1	0	0

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean tempratuere in °C: Dry bulb	Mean tempratuere in °C: Wet bulb	Mean tempratuere in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Kms. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Saurashtra and Kutch (including Diu) (*Contd.*)																											
Keshod	0830	51	1002.4	996.6	..	27.4	25.1	24.2	30.0	83	..	5.6	..	23.9	0	24	7	1	0	0	1	2	12	13	2	0	0
	1130	,,	1002.5	996.8	..	29.2	25.3	23.8	28.9	73	..	6.3	..	35.5	0	26	5	0	0	0	0	0	15	13	1	0	2
	1730	,,	1000.6	994.8	..	28.8	25.1	23.3	28.8	74	..	6.0	..	37.2	0	26	5	0	0	0	0	1	14	14	2	0	0
Mahuva	0830	9	1001.8	1000.8	..	27.3	25.5	24.7	31.1	86	..	6.1	..	..	0	..	..	0	0	0	0	2	8	15	4	2	0
	1730	,,	1000.5	999.5	..	29.3	25.9	24.4	30.5	76	..	6.8	..	..	0	..	..	0	0	0	0	2	25	2	0	2	0
Veraval	0230	8	1001.9	1001.0	..	27.2	25.8	25.1	32.1	89	..	6.0	..	35.5	0	28	3	0	0	0	1	0	11	14	5	0	0
	0530	,,	1001.5	1000.6	..	27.2	25.7	25.1	31.9	89	..	6.4	..	34.7	0	27	4	0	1	1	0	0	9	17	3	0	0
	0830	,,	1003.0	1002.1	+0.7	27.4	25.9	25.3	32.2	88	+3	6.6	0	33.4	0	27	4	0	0	1	0	0	10	16	4	0	0
	1130	,,	1003.4	1002.5	..	28.3	26.4	25.5	33.0	85	..	6.6	..	33.0	0	29	2	0	0	0	1	0	10	17	3	0	0
	1430	,,	1002.4	1001.5	..	28.5	26.4	25.5	32.6	84	..	6.2	..	34.4	0	28	3	0	0	0	0	1	8	20	2	0	0
	1730	,,	1001.4	1000.5	..	28.0	26.2	25.4	32.4	86	..	6.4	..	34.6	0	26	5	0	0	0	0	1	9	18	3	0	0
	2030	,,	1002.2	1001.3	..	27.4	25.9	25.3	32.1	88	..	6.0	..	35.6	0	29	2	0	0	0	0	1	9	19	2	0	0
	2330	,,	1003.2	1002.3	..	27.4	25.9	25.3	32.1	89	..	6.2	..	37.9	0	30	1	0	0	0	0	1	12	16	2	0	0
Konkan (including Goa)																											
Dahanu	0830	5	1004.3	1003.9	+1.3	27.2	26.1	25.5	33.0	90	0	7.0	−0.4	19.8	0	15	16	2	0	0	2	0	12	15	0	0	0
	1730	,,	1002.8	1002.3	..	28.0	26.3	25.6	32.8	87	..	7.0	..	23.0	0	21	10	0	0	0	0	1	13	17	0	0	0
Bombay (Santa Cruz)	0230	14	1004.0	1002.3	..	26.5	24.9	24.2	30.2	88	..	6.8	..	22.0	0	17	14	0	0	0	1	0	9	17	4	0	0
	0530	,,	1003.8	1002.1	..	26.4	24.9	24.2	30.4	88	..	7.1	..	22.8	0	21	10	1	0	0	0	1	9	18	2	0	0
	0830	,,	1005.1	1003.5	+0.7	26.8	25.1	24.4	30.4	87	+6	7.2	+0.2	22.7	0	21	10	0	0	0	0	2	5	21	3	0	0
	1130	,,	1005.5	1003.9	..	27.9	25.6	24.6	30.9	83	..	7.3	..	27.6	0	27	4	0	0	0	0	1	7	19	4	0	0
	1430	,,	1004.4	1002.8	..	28.3	25.8	24.8	31.1	82	..	7.0	..	28.1	0	26	5	0	0	0	0	0	8	18	5	0	0
	1730	,,	1003.5	1001.9	..	27.4	25.3	24.4	30.4	84	..	7.4	..	25.7	0	25	6	0	0	0	0	0	7	18	6	0	0
	2030	,,	1004.7	1003.1	..	26.9	25.1	24.3	30.4	86	..	6.5	..	24.5	0	22	8	0	0	0	0	0	10	16	4	1	0
	2330	,,	1005.4	1003.8	..	26.4	24.9	24.1	30.4	87	..	6.5	..	23.4	0	22	9	0	0	0	0	2	8	19	2	0	0
Bombay	0830	11	1005.2	1004.0	+0.8	27.1	25.4	24.6	31.1	86	+3	6.7	−0.3	17.4	0	7	24	0	0	0	1	1	11	17	1	0	0
	1130	,,	1005.6	1004.4	..	28.2	25.9	25.0	31.5	83	..	6.5	..	17.2	0	12	19	0	0	0	0	3	11	15	1	0	1
	1730	,,	1003.6	1002.4	..	27.5	25.6	24.8	31.1	86	..	7.2	..	18.6	0	14	17	0	0	0	0	1	13	16	1	0	0
Alibag	0830	7	1005.6	1004.8	+0.9	27.1	25.8	25.3	32.2	90	+6	7.2	−0.4	35.1	0	3	28	0	0	0	2	1	13	9	2	0	4
Bhira	0830	96	1005.7	994.8	..	24.7	23.9	23.6	29.1	93	..	8.0	..	2.9	0	0	21	1	2	0	5	0	11	0	2	1	0
	1730	,,	1003.9	993.1	..	25.5	24.1	23.5	28.9	89	..	7.9	..	1.5	0	0	14	1	2	0	3	2	6	0	0	17	0
Harnai	0830	20	1006.1	1003.8	+1.2	26.7	25.7	25.3	32.2	92	+5	6.7	−0.3	24.0	0	23	7	0	0	0	1	2	4	21	2	1	0
	1730	,,	1004.8	1002.5	..	27.0	25.6	25.0	31.7	89	..	7.1	..	29.9	0	23	8	0	0	0	0	2	2	26	1	0	0
Ratnagiri	0830	35	1007.2	1003.2	+1.3	26.4	25.1	24.5	30.7	89	..	7.0	..	16.4	0	15	16	0	0	0	1	5	0	25	0	0	0
	1730	,,	1005.6	1001.6	..	27.0	25.3	24.6	30.7	88	..	7.7	..	16.9	0	11	19	0	0	0	1	0	11	15	3	1	0
Devgarh	0830	36	1007.1	1003.1	+1.2	26.6	25.6	25.1	32.1	92	+3	6.9	−0.2	33.1	1	24	6	0	0	0	1	0	5	21	4	0	0
	1730	,,	1005.8	1001.8	..	27.3	26.2	25.3	33.0	90	..	4.1	..	33.2	1	28	2	0	0	0	0	1	2	25	3	0	0
Vengurla	0230	9	1007.2	1006.2	..	25.7	24.4	23.8	29.5	89	..	7.1	..	..	0	..	..	0	0	0	0	0	7	17	0	7	0
	0530	,,	1006.6	1005.6	..	25.6	24.4	23.6	29.7	90	..	7.3	..	..	0	..	..	0	0	0	0	0	9	15	0	7	0
	0830	,,	1008.1	1007.1	+1.3	26.2	24.8	24.1	30.2	88	−2	6.9	−0.5	..	0	..	..	0	0	0	0	0	10	13	1	7	0
	1130	,,	1008.6	1007.6	..	27.5	25.5	24.6	30.9	85	..	6.7	..	..	0	..	..	0	0	0	0	0	12	15	0	4	0
	1730	,,	1006.8	1005.8	..	26.9	25.0	24.2	30.0	86	..	7.4	..	..	0	..	..	0	0	0	0	0	12	18	0	1	0
	2330	,,	1008.5	1007.5	..	26.2	24.7	24.0	29.8	88	..	7.0	..	.	0	..	..	1	0	0	0	0	8	16	0	6	0
Panjim	0530	60	1006.6	999.8	..	25.6	24.1	23.4	28.9	87	..	7.0	..	20.0	0	18	11	0	0	0	0	1	10	18	0	2	0
	0830	,,	1008.1	1001.3	..	25.9	24.3	23.5	29.1	87	..	7.1	..	20.6	0	17	13	1	0	0	1	0	9	16	3	1	0
	1130	,,	1008.6	1001.9	..	27.2	24.9	23.8	29.7	82	..	7.1	..	21.7	0	17	12	1	0	0	0	1	6	20	1	2	0
	1430	,,	1007.5	1000.8	..	27.5	25.1	24.1	29.8	82	..	7.0	..	25.5	0	23	8	0	0	0	1	0	7	23	0	0	0
	1730	,,	1006.7	999.9	..	27.0	24.7	23.6	29.3	82	..	7.2	..	23.7	0	23	8	0	0	0	0	1	5	24	1	0	0
	2030	,,	1007.9	1001.1	..	26.0	24.3	23.5	28.9	86	..	6.8	.	19.7	0	18	13	0	2	0	0	1	12	15	1	0	0
	2330	,,	1008.5	1000.7	..	26.1	24.5	23.7	29.5	87	..	6.9	..	22.1	0	22	9	0	0	0	0	1	11	17	2	0	0
Marmugao	0530	62	1006.2	999.3	..	26.0	24.4	23.7	29.3	87	..	7.3		28.3	0	28	3	0	0	1	1	0	13	14	2	0	0
	0830	,,	1007.5	1000.6	..	26.4	24.6	23.8	29.5	86	..	6.9	..	27.0	0	22	9	1	0	0	2	0	13	14	1	0	0
	1130	,,	1007.9	1001.0	..	27.1	25.0	24.0	30.0	83	..	7.0	..	26.6	0	23	7	0	1	0	2	0	14	12	1	1	0
	1730	,,	1006.2	999.3	..	26.8	24.7	23.8	29.3	84	..	7.1	..	30.5	0	26	5	0	0	0	0	0	12	17	2	0	0
Dabolim (Naval Air station)	0530	52	1007.0	1001.2	..	25.9	24.4	23.8	29.5	89	..	7.3	..	31.6	1	24	6	0	0	0	1	1	17	11	1	0	0
	0830	,,	1008.5	1002.7	..	26.1	24.4	23.7	29.3	87	..	7.1	..	29.0	0	24	7	0	1	1	1	0	17	11	0	0	0
	1130	,,	1009.0	1003.1	..	27.2	25.1	24.2	30.2	85	..	7.0	..	29.3	0	24	6	0	1	0	0	1	16	11	1	1	0
	1730	,,	1007.2	1001.3	..	26.7	24.9	23.9	30.0	84	..	7.4	..	31.0	0	27	3	0	0	0	0	0	14	15	1	1	0
	2330	,,	1009.0	1003.1	..	26.4	24.8	24.2	30.0	88	..	6.8	..	28.7	0	23	8	0	0	0	1	0	18	11	1	0	0

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind Speed in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Maharashtra—																											
Nandurbar	0830	206	1003·2	980·1	..	25·6	23·9	23·0	28·3	86	..	4·0	..	8·0	0	2	29	0	0	0	0	0	1	30	0	0	0
	1730	,,	1000·2	977·3	..	28·6	24·4	22·3	27·1	71	..	3·7	..	7·7	0	1	30	0	0	0	0	0	1	30	0	0	0
Jalgoan	0830	201	1003·1	980·5	+0·7	26·2	23·7	22·5	27·3	81	—4	7.0	+0·7	14·8	0	7	24	0	0	0	0	1	6	18	1	0	0
	1730	,,	999·6	977·4	..	30·1	24·4	21·5	25·9	62	..	7·6	..	32·5	0	28	3	0	0	1	0	0	4	15	10	0	0
Malegaon	0830	437	1002·9	954·5	+0·1	25·4	22·5	21·0	24·9	78	+4	6·5	+0·5	16·1	0	23	8	0	0	0	0	0	9	16	6	0	0
	1730	,,	1000·1	952·4	..	28·4	23·2	20·4	24·1	64	..	6·6	..	20·1	0	15	16	0	0	0	0	0	6	18	7	0	0
Ozar	0830	608	..	..	..	23·8	21·9	21·1	25·0	85	..	6·4	..	24·6	0	20	10	1	0	0	0	0	9	18	2	0	0
	*1130	,,	..	..	..	25·7	22·7	21·3	25·3	77	..	6·4	..	32·3	0	27	3	0	0	0	0	0	9	19	2	0	0
	1730	,,	..	..	..	25·3	22·1	20·6	24·3	75	..	6·0	..	32·1	0	30	0	0	0	0	0	0	9	19	2	0	0
Kolali (Aerodrome)	0830	571	1004·9	941·7	..	32·2	21·8	21·1	25·0	89	..	7·5	..	20·0	0	12	19	0	0	0	0	0	15	16	0	0	0
	1730	,,	1003·1	940·3	..	24·3	22·1	20·9	25·0	79	..	7·4	..	27·0	0	23	8	0	0	0	0	0	19	12	0	0	0
Ahmadnagar	0830	657	1004·1	931·9	0	23·7	21·2	19·7	23·2	80	+3	7·4	+1·6	12·5	0	3	28	0	0	0	1	0	21	4	5	0	0
	1730	,,	1001·1	930·1	..	27·3	21·7	18·7	21·8	61	..	7·7	..	23·6	0	23	8	0	0	0	0	0	18	2	11	0	0
Poona (Aerodrome)	0230	593	1004·3	938·1	..	22·0	20·9	20·2	23·8	90	..	6·6	..	18·4	0	11	19	0	0	0	0	0	12	18	0	1	0
	0530	,,	1003·9	938·1	..	21·7	20·9	20·5	24·1	93	..	6·2	..	18·0	0	14	12	0	0	0	0	0	12	14	0	5	0
	0830	,,	1004·9	939·4	..	23·0	21·6	20·9	24·7	85	..	7·2	..	22·5	0	21	9	0	0	0	0	0	18	12	0	1	0
	1130	,,	1004·7	939·6	..	24·8	22·5	21·1	25·6	78	..	7·1	..	31·9	0	30	0	0	0	0	0	1	15	14	0	1	0
	1730	,,	1003·0	937·4	..	24·7	21·8	20·4	24·1	78	..	7·1	..	32·2	0	30	1	0	0	0	0	0	15	16	0	0	0
	2330	,,	1005·5	939·7	..	22·2	21·0	20.3	24·0	89	..	6.9	..	20·7	0	19	12	0	0	0	0	0	14	17	0	0	0
Poona	0530	559	1003·9	941·9	..	22·4	21·1	20·4	24·0	88	..	6·7	..	7·7	0	2	27	0	0	0	0	0	1	28	0	2	0
	0830	,,	1004·9	943·8	+1·2	23·5	21·8	20·9	24·9	84	+1	7·2	+0·6	7·7	0	1	28	0	0	0	0	0	2	27	0	2	0
	1130	,,	1004·7	943·4	..	25·9	22·6	21·1	24·9	74	..	7·0	..	15·8	0	11	20	0	0	0	0	0	2	29	0	0	0
	1430	,,	1003·4	942·1	..	25·7	22·7	21·3	25·2	75	..	7·1	..	17·3	0	17	14	0	0	0	0	0	1	30	0	0	0
	1730	,,	1003·0	941·6	..	24·7	21·9	20·5	24·1	78	..	7·3	..	15·3	0	8	23	0	0	0	0	0	4	25	1	0	0
	2030	,,	1004·8	942·9	..	23·1	21·2	20·3	23·8	85	..	6·6	..	10·1	0	3	28	0	0	0	0	0	0	31	0	0	0
	2330	,,	1005·2	943·4	..	22·8	21·2	20·5	23·8	87	..	6·6	..	9·0	0	3	27	0	0	0	0	0	1	29	0	1	0
Pune	0830	521	1004·6	947·1	+0·5	25·1	22·3	21·0	24·9	78	—3	5·9	+0·2	14·3	0	10	21	0	0	0	0	1	8	20	2	0	0
	1730	,,	1001·2	944·7	..	28·9	22·7	19·6	22·9	59	..	6·7	..	31·3	0	30	1	0	0	0	0	0	5	15	11	0	0
Baramati	0830	551	1004·8	944·1	+0·6	24·3	21·6	20·3	23·8	79	—2	5·8	—0·7	10·3	0	1	30	0	0	0	0	0	4	26	1	0	0
	1730	,,	1002·3	942·2	..	27·1	21·9	19·4	22·5	64	..	6·4	..	30·3	0	29	2	0	0	0	0	0	5	25	1	0	0
Solapur	0530	479	1004·8	951·5	..	22·7	21·2	20·4	24·0	84	..	5·8	..	7·7	0	1	30	0	0	0	0	0	25	6	0	0	0
	0830	,,	1005·8	952·9	+1.3	24·8	22·2	20·7	24·9	79	+6	5·9	—0·1	9·7	0	2	29	0	0	0	0	0	26	4	1	0	0
	1130	,,	1004·5	952·4	..	28·5	23·1	20·6	24·1	63	..	7·0	..	16·2	0	9	22	0	0	0	0	0	11	16	4	0	0
	1730	,,	1002.1	949.8	..	28.0	22·6	20.0	23.4	64	..	7.1	..	19·4	0	15	16	2	0	0	0	0	17	10	2	0	0
	2330	,,	1006·0	952·9	..	24·1	21·6	20·3	24·0	80	..	5·2	..	2·0	0	2	29	0	0	0	0	0	19	11	1	0	0
Satej	0830	554	1007·1	945·7	+1 2	23·3	21.7	20·9	24·7	86	+3	7.3	—0·1	..	0	..	..	0	0	0	0	0	0	21	1	9	0
	1730	,,	1004·8	944·0	..	25·4	22·0	20·3	24·0	75	..	7·1	..	..	0	..	..	0	0	0	0	0	0	29	2	0	0
Kolhapur	0530	570	1005·4	942·1	..	21·7	20·9	20·5	24·1	94	..	7·2	..	14 2	0	6	25	0	0	0	0	0	0	2	29	0	0
	0830	,,	1006·8	943·5	+0·9	22·6	21·5	21·0	24·7	90	+1	6·6	—0·3	11·0	0	3	28	0	0	0	0	0	0	31	0	0	0
	1130	,,	1006·6	943·8	..	24·4	22·2	21·1	25·2	82	..	6·8	..	13 2	0	5	26	0	0	0	0	0	0	30	1	0	0
	1730	,,	1004·8	941·9	..	23·5	21·7	20·9	25·0	85	..	6·8	..	15 9	0	8	23	0	0	0	0	0	0	31	0	0	0
	2330	,,	1007·3	944·0	..	22·0	21·1	20·6	24·4	89	..	6·5	..	13 1	0	10	18	0	0	0	0	0	0	27	1	3	0
Marathwada																											
Aurangabad	0830	581	1004·4	940·3	+0·4	23·9	21·8	20.8	24·7	83	+2	7·0	0	15·2	0	10	21	0	0	0	0	0	8	23	0	0	0
	1730	,,	1000·8	937 6	..	27·1	22·7	20·7	24·4	70	..	6 4	..	12·5	0	2	29	0	0	0	0	0	2	29	0	0	0
Aurangabad (Chikalthan)	0230	579	1002·8	938·8	..	22·5	20·5	19·6	22·7	84	..	5·9	..	13 3	0	4	27	0	0	0	0	0	3	27	1	0	0
	0530	,,	1002·8	938·6	..	22·1	20·5	19·7	22·9	87	..	7·0	..	10·8	0	1	27	0	0	0	0	0	2	25	1	3	0
	0830	,,	1003·7	939·9	..	24·1	21·4	20·1	23·5	79	..	6·7	..	17·0	0	0	21	0	0	0	0	0	4	26	1	0	0
	1130	,,	1003·0	940·2	..	27·1	22·5	20·3	23·8	64	..	7·0	..	23 4	0	0	31	0	0	0	0	0	2	27	2	0	0
	1430	,,	1000·8	938·3	..	28·5	22·7	19 8	23·1	63	..	7·0	..	25 6	0	0	31	1	0	0	0	0	2	26	2	0	0
	1730	,,	1000.3	937.3	..	27.1	22.2	19.8	22.9	67	..	7.2	..	23·7	0	0	31	0	0	0	0	0	2	29	0	0	0
	2030	,,	1002·8	939.1	..	24·7	21·3	19 7	22·9	75	..	5·9	..	16·6	0	0	31	0	0	0	0	0	2	28	1	0	0
	2330	,,	1004 0	940·0	..	23·2	20·9	19 8	22·9	82	..	6·1	..	15·8	0	0	30	0	0	0	0	0	3	27	0	0	0
Parbhani	0830	423	1004·3	957·0	+1 4	25·0	22·1	20 5	24·1	76	—5	5·5	—1 0	11·0	0	1	29	0	0	0	0	1	13	14	2	1	0
	1730	,,	1000 2	954·1	..	29·6	22·9	19·3	22·4	57	..	7·0	..	16·1	0	8	23	0	1	0	1	1	2	20	6	0	0
Nanded	0830	353	1004 3	964·4	..	25·9	23.6	22·5	27·3	82	..	5·2	..	6·6	0	0	27	0	0	0	1	0	14	9	3	4	0
	1730	,,	1000·6	961·3	..	29·3	24·9	22·9	27·9	68	..	6·2	..	7·3	0	0	25	0	0	0	1	1	10	4	9	6	0
Nir	0830	519	1004·8	947·5	..	25·0	23·6	23·0	28 1	88	..	5·3	..	16·7	0	11	20	0	0	0	0	0	20	0	11	0	0
	1730	,,	1001 6	945·3	..	28 9	25·6	24·2	30·4	77	..	6·1	..	15·4	0	8	23	0	0	0	1	0	19	1	10	0	0

*Observations for 30 days.

Sub-division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind Speed in Kms. per hour	Wind speed (km. p. h.): 62 or more	Wind speed (km. p. h.): 20 to 61	Wind speed (km. p. h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Vidarbha—*(contd.)*																										
Gondia	0830	313	1010·7	967·0	+0.4	26·0	23·7	22·4	27·4	81	−5	6·3	−0·6	7·0	0	0	31	0	2	0	0	5	15	8	1	0
	1730	,,	998·4	964·0	..	28·8	25·1	23·3	28·9	74	..	6·0	..	7·5	0	1	29	3	0	2	0	6	8	10	1	1
Nagpur (Sonegaon)	0230	310	1000·4	966·1	..	24·7	23·2	22·4	27·1	87	..	6·2	..	9·3	0	3	25	0	0	0	0	1	14	12	1	3
	0530	,,	1000·7	966·4	..	24·4	22·9	22·0	26·6	87	..	6·8	..	7·5	0	0	26	0	0	0	0	2	10	12	2	5
	0830	,,	1002·0	967·5	+0.5	26·3	23·7	22·5	27·3	80	−2	6·7	+0·2	14·5	0	9	22	0	1	0	0	1	11	14	4	0
	1130	,,	1001·5	967·7	..	28·9	24·5	22·3	27·1	68	..	7·0	..	18·6	0	16	15	1	0	1	0	1	7	14	7	0
	1430	,,	999·4	965·2	..	30·3	24·5	21·9	25·9	62	..	6·7	..	18·2	0	15	16	1	0	1	0	0	6	18	5	0
	1730	,,	998·4	964·3	..	29·1	24·2	21·9	26·3	67	..	6·9	..	15·2	0	10	20	2	0	1	0	3	5	16	3	1
	2030	,,	1000·6	966·2	..	26·1	24·0	23·0	28·1	84	..	6·5	..	6·1	0	0	22	0	0	1	1	3	8	5	4	9
	2330	,,	1001·4	966·8	..	25·4	23·7	22·8	27·9	87	..	6·9	..	9·4	0	1	26	0	0	1	0	4	12	8	2	4
Amraoti	0830	370	1002·5	961·4	+0.4	25·3	22·9	21·6	25·9	80	−1	6·0	−0·2	8·7	0	1	30	0	0	0	0	1	9	20	1	0
	1730	,,	998·5	958·2	..	29·6	24·0	21·2	25·1	63	..	6·2	..	10·4	0	5	24	2	1	0	0	4	5	9	8	2
Akola Aerodrome	0530	309	1001·0	966·4	..	24·4	22·7	21·8	26·3	86	..	6·5	..	12·5	0	0	31	1	0	0	0	1	13	11	5	0
	0830	,,	1002·0	967·6	..	25·7	23·3	22·1	26·6	81	..	6·7	..	11·8	0	2	29	1	0	0	0	0	11	14	5	0
	1130	,,	1001·6	967·5	..	28·8	24·3	22·0	26·4	68	..	7·4	..	15·7	0	7	24	1	0	0	0	1	6	13	10	0
	1730	,,	997·7	964·0	..	30·6	24·6	21·6	25·9	61	..	7·1	..	15·6	0	6	25	0	0	0	0	4	5	10	12	0
	2330	,,	1001·5	967·1	..	25·0	23·5	22·2	26·9	81	..	6·1	..	12·3	0	0	31	0	0	0	0	1	10	12	8	0
Akola	0830	282	1002·6	971·2	+0·4	26·2	23·8	22·8	27·6	82	+4	5·5	−0·8	2·3	0	0	28	0	0	0	0	0	1	27	0	3
	1730	,,	993·2	967·4	..	31·0	25·3	22·9	27·6	64	..	7·1	..	2·3	0	0	27	0	1	0	0	1	2	21	2	4
Bramhapuri	0830	229	1002·7	977·1	..	26·1	23·8	22·7	27·6	82	..	6·1	..	12·9	0	1	30	0	1	0	0	7	7	13	3	0
	1730	,,	999·2	973·9	..	28·8	24·8	23·0	23·1	72	..	6·2	..	10·0	0	0	31	1	0	1	5	6	6	9	3	0
Buldana	0830	650	1002·8	931·5	+0·4	23·7	21·4	20·2	23·8	82	−4	6·5	−0·5	16·8	0	14	16	0	0	0	0	0	13	10	7	1
	1730	,,	999·8	928·7	..	27·7	22·5	20·0	23·5	65	..	6·9	..	13·2	0	10	20	1	0	0	0	0	17	5	7	1
Yeotmal	0830	451	1002·5	952·6	+0·4	24·9	22·6	21·4	25·5	81	−6	6·4	−0·5	18·1	0	13	18	0	0	0	0		6	22	2	0
	1730	,,	998·7	949·6	..	28·9	24·0	21·5	25·8	67	..	6·3	..	12·6	0	6	25	1	0	0	0	4	7	17	2	0
Chanda	0830	193	1002·8	981·2	+0·5	26·3	23·7	22·4	27·3	80	+2	6·4	+0·2	14·0	0	8	23	0	0	0	1	2	8	14	6	0
	1730	,,	999·3	977·3	..	29·3	25·0	22·9	28·3	71	..	6·8	..	12·2	0	3	28	1	2	0		5	6	10	6	0
Pusad	0830	334	1004·2	966·9	..	25·6	22·4	20·0	24·3	72	..	5·1	..	13·7	0	6	25	0	0	0	0	3	19	4	5	0
	1730	,,	999·5	962·9	..	29·9	24·0	21·0	25·0	61	.	6·7	..	15·8	0	8	23	0	1	0	1	1	8	15	5	0
Sironcha	0830	123	1004·3	990·4	+0·9	26·5	24·4	23·5	28·9	84	−1	6·5	−0·4	3·3	0	0	29	0	0	0	3	2	20	1	3	2
	1730	,,	1000·9	987·2	..	30·1	26·1	24·3	30·7	70	..	6·3	..	4·9	0	0	28		0	1	4	.	13	4	4	3
Coastal Andhra Pradesh																										
Kalingapatam	0830	6	1002·4	1001·7	+0·9	28·2	26·2	25·4	32·4	85	+5	5·9	+0·5	15·9	0	8	23	0	0	0	0	11	14	4	1	0
	1730	,,	1000·1	999·4	..	28·7	26·7	26·0	33·4	85	..	6·4	..	17·2	0	11	20	0	0	0	0	9	15	1	1	0
Vishakhapatnam	0230	3	1001·6	1001·2	..	27·3	25·0	24·0	29·7	83	..	5·9	..	9·2	0	2	19	1	0	0	0	0	7	12	1	19
	0530	,,	1001·7	1001·3		27·0	24·6	23·4	28·9	81	..	6·3	..	11·6	0	6	20	1	0	0	0	0	1	18	0	5
	0830	,,	1003·0	1002·6	+0·9	28·7	25·0	23·4	28·6	74	−11	6·5	−0·3	16·1	0	8	23	0	0	0	0	0	8	21	2	0
	1130	,,	1002·3	1001·9	..	30·7	25·6	23·1	28·6	64	..	6·3	..	19·8	0	16	14	1	0	0	0	0	12	11	6	1
	1430	,,	1000·6	1000·2	..	31·5	25·7	23·1	28·3	63	..	6·7	..	19·7	0	13	17	0	0	0	2	0	14	10	3	1
	1730	,,	1000·2	999·8	..	30·3	25·4	23·1	28·3	67	..	6·7	..	15·8	0	8	19	0	0	0	0	1	15	8	3	4
	2030	,,	1002·2	1001·8	..	28·7	25·1	23·5	28·9	75	..	5·6	..	11·2	0	3	22	0	0	0	0	0	10	10	5	6
	2330	,,	1002·7	1002·3	..	27·9	25·1	23·8	29·5	79	..	5·4	..	9·1	0	2	21	0	0	0	0	0	10	11	2	8
Kakinada	0830	8	1004·3	1003·4	+1·1	24·5	24·6	23·8	29·6	82	+4	5·5	−0·7	16·3	0	10	21	0	0	0	0	0	31	0	0	0
	1730	,,	1001·2	1000·3	..	30·7	25·8	23·6	29·2	68	..	6·1	..	16·3	0	30	1	0	0	0	3	0	28	0	0	0
Nidadavole	0830	12	1004·6	1003·2	..	26·6	24·7	23·9	29·7	86	..	6·5	..	15·7	0	12	19	0	0	0	0	0	15	14	2	0
	1730	,,	1001·2	999·9	..	30·0	25·7	23·6	29·7	71	..	6·3	..	14·9	0	7	24	1	0	0	0	0	15	7	8	0
Rentachintala	0830	106	1005·5	993·5	..	27·9	23·7	21·6	25·6	69	−1	6·7	−0·3	3·2	0	0	31	0	0	0	0	0	0	31	0	0
	1730	,,	1001·4	990·0	..	31·5	24·8	21·5	25·9	57	..	6·4	..	2·6	0	0	31	0	0	0	0	0	0	31	0	0
Gannavaram	0230	24	1003·1	1000·4	..	26·4	24·0	22·7	27·9	82	..	6·3	..	10·6	0	1	27	2	0	0	0	2	10	10	4	3
	0530	,,	1005·7	1001·0	..	25·8	23·8	22·7	27·9	84	..	6·6	..	10·5	0	3	24	1	0	0	0	2	12	10	2	4
	0830	,,	1005·1	1002·4	+1·3	27·4	24·1	22·6	27·3	76	−3	6·5	−0·2	15·2	0	8	23	0	0	0	0	2	10	14	5	0
	1130	,,	1004·5	1001·9	..	30·2	24·8	22·2	26·9	65	..	6·3	..	22·0	0	19	12	1	0	0	0	0	6	18	6	0
	1430	,,	1002·4	999·7	..	31·6	25·1	21·9	26·6	59	..	6·5	..	22·2	0	22	9	0	0	1	0	0	6	15	9	0
	1730	,,	1001·6	998·9	..	30·8	24·9	22·1	26·6	63	..	6·8	..	16·1	0	13	17	0	0	0	0	4	3	13	10	1
	2030	,,	1003·4	1000·7	..	28·5	24·9	23·1	28·6	75	..	6·4	..	8·1	0	2	21	1	0	0	0	5	8	9	0	8
	2330	,,	1004·0	1001·3	..	27·0	24·5	23·9	28·6	81	..	6·2	..	8·2	0	0	22	0	0	0	0	3	12	6	8	9
Nagarjunakonda (R)	0830	126	..																							
(R)	1730	,,	..																							

(R) Register not Received.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in k.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind Speed in k. m. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Coastal Andhra Pradesh—(contd.)																											
Masulipatam	0830	3	1005·3	1005·0	+1·2	27·5	24·4	22·9	27·9	77	—1	7·3	+1·1	4·5	0	0	31	1	0	0	0	7	10	11	1	0	1
	1730	,,	1002·1	1001·8	..	31·0	25·7	23·3	28·6	65	..	7·4	..	4·3	0	0	31	4	0	0	0	2	12	10	3	0	0
Ongole	0830	12	1005·8	1004·5	..	29·6	24·0	21·2	25·2	63	..	6·1	..	7·0	0	0	31	0	0	0	0	0	6	23	2	0	0
	1730	,,	1002·2	1001·0	..	32·6	24·9	21·0	25·2	53	..	6·2	..	4·5	0	0	26	0	0	0	0	0	9	6	11	5	0
Nellore	0530	20	1005·0	1002.8	..	27·1	24·5	23·4	28·7	80	..	7·3	..	6·1	0	1	25	0	0	0	2	2	11	11	0	5	0
	0830	,,	1006·2	1004·3	+1·5	29·2	25·3	23·5	28·9	68	+5	7·1	+0.8	10·0	0	3	25	0	0	0	1	2	11	14	0	3	0
	1130	,,	1006·1	1003·9	..	32·8	26·3	23·4	23·7	59	..	6·7	..	14.0	0	8	23	0	0	1	0	0	14	16	0	0	0
	1730	,,	1003·8	1000·9	..	33·7	28.7	23.8	29·5	58	..	7·0	..	14·0	0	5	26	0	0	0	1	0	23	7	0	0	0
	2330	,,	1005·8	1003·6	..	28·2	25·6	24·5	30·7	81	..	7·2	..	8·8	0	3	26	0	0	1	3	2	11	11	1	2	0
Telangana																											
Ramagudam	0830	156	1003·7	986·2	+0·8	26·2	23·5	22·0	26·6	77	—2	6·1	—0.7	7·1	0	0	31	0	0	0	0	4	7	18	2	0	0
	1730	,,	1001·1	982·8	..	30·9	25·3	22.8	27·6	64	..	6·4	..	5·1	0	0	31	1	0	0	0	3	8	14	5	0	0
Nizamabad (R)	0830	381																									
(R)	1730	,,																									
Hanamkonda	0830	269	1004·4	974·4	+0·8	25·2	22.7	21·1	24·7	75	+1	5·9	—0·3	2·8	0	0	31	0	0	0	0	0	0	30	1	0	0
	1730	,,	1003·8	972.6	..	28 7	24·3	21·8	26 1	64	..	5·3	..	2·0	0	0	31	2	0	0	0	1	2	21	5	0	0
Hakimpet (Aerodrome)	0530	613	1004·1	936·3	..	21·7	20·9	20·5	24·1	93	..	6·9	..	26·4	0	25	6	0	0	0	0	0	6	24	1	0	0
	0830	,,	1004·8	937·3	..	23·1	21·5	20·6	24·3	86	..	7·0	..	26.5	0	25	6	0	0	0	0	0	5	24	2	0	0
	1130	,,	1003·9	937·1	..	26·4	22·9	21·3	25·3	75	..	7·2	..	30·6	0	29	2	0	0	0	0	0	4	24	3	0	0
	1730	,,	1001·6	935 0	..	27·3	23·0	20·9	25·0	71	..	6·8	..	25·8	0	19	12	1	0	0	0	0	4	21	5	0	0
	2330	,,	1004·3	936·8	..	23·4	21·6	20·6	24·3	85	..	6·5	..	27·9	0	25	6	1	0	0	0	0	9	17	4	0	0
Bhadrachalam	0830	111	1004·1	991.7	+0.2	26·7	24·0	22·7	27·6	80	—2	6·3	0.9	2·1	0	0	31	0	0	0	0	0	9	0	22	0	0
	1730	,,	1001·2	988 5	..	30·2	25·3	23.0	28·1	67	..	6·7	..	3.7	0	0	31	0	0	0	0	0	6	0	25	0	1
Hyderabad (Begampet)	0230	545	1003·7	943·5	..	23·2	20·8	19 5	22·8	80	..	5·7	..	20·1	0	20	11	0	0	0	0	0	3	26	2	0	0
	0530	,,	1004·1	943·8	..	22·3	20 5	19·6	22·8	85	..	6·8	..	17·8	0	14	17	0	0	0	0	0	4	2[illegible]	1	0	0
	0830	,,	1005·3	945·1	—1.2	23·4	21·0	19·8	23·1	81	0	7·1	-0·7	21·6	0	23	8	0	0	0	0	0	3	26	2	0	0
	1130	,,	1004·4	944·9	..	26·6	22·0	20·0	23·1	68	..	7·2	..	28·5	0	28	3	1	0	0	0	0	3	23	4	0	0
	1730	,,	1001·0	941.9	..	28·1	22·3	19·8	22·7	63	..	6 9	..	21 6	0	21	10	0	0	0	0	0	6	19	6	0	0
	2330	,,	1004·6	944·6	..	24·1	21 4	20·0	23·5	79	..	6·3	..	21 6	0	17	14	2	0	0	0	0	6	21	2	0	0
Khammam	0830	112	1005·1	992·4	..	26·4	24·0	22·9	28·3	82	..	7·0	..	6·5	0	0	29	0	0	0	0	0	10	15	3	2	0
	1730	,,	1001·4	989·0	..	30·5	25·4	23·6	28 3	66	.	7·0	..	3·5	0	0	30	6	0	0	1	0	5	1[illegible]	5	1	0
Mahbubnagar	0830	505	1006·0	949·9	..	23·9	21·6	20·5	21 1	82	..	7 1		11·2	0	2	29	0	0	0	0	0	12	14	5	0	0
	1730	,,	1002·0	946·6	..	27·6	22 7	20·4	24 1	67	..	7·2		7.0	0	0	31	0	0	0	0	10	7	2	3	0	0
Rayalseema																											
Kurnool	0830	281	1003·8	975·3	+1.3	25·5	22·2	20·5	24·2	74	+2	6·6	-0.3	22·5	0	15	16	3	0	0	0	0	28	1	3	0	0
	1730	,,	1002·4	971·4	..	29·6	22 9	19·3	22·6	57	..	6·5	..	23·7	0	22	9	2	0	0	0	0	8	16	5	0	0
Anantapur	0530	350	1006·1	966·9	..	24.3	21.7	20·3	23·8	79	..	5·8	..	16·7	0	10	18	0	0	0	0	0	1	27	0	3	0
	0830	,,	1007·0	968·1	—1·3	26·3	22·4	20·3	23·8	70	—3	6·5	+0 1	23·8	0	18	18	0	0	0	0	0	5	26	0	0	0
	1130	,,	1006·0	967·7	..	30·5	23·3	19·6	22·7	53	..	6·7	..	29·7	0	23	8	0	0	0	0	0	1	29	1	0	0
	1430		1003·3	965·3	..	32·9	23·7	19·0	21·7	45	..	6·5	..	32·5	0	24	7	0	0	0	0	0	1	28	2	0	0
	1730	,,	1002·9	964·7	..	30·7	23·3	19·4	22·5	53	..	7·0	..	33·9	0	26	5	0	0	0	0	0	4	25	2	0	0
	2030	,,	1006·0	967·3	..	27·5	22·6	19·9	23·5	65	..	5·7	..	23·3	0	19	10	0	0	0	0	0	1	28	0	2	0
	2330	,,	1007·3	968·3	..	26·1	22·1	20·0	23·4	70	.	5·5	..	27·3	0	27	4	0	0	0	0	0	4	27	0	0	0
Cuddapah	0830	130	1007·5	992·9	-1.4	27·8	23·2	20·9	24·7	67	+2	6·1	-0·1	2·6	0	0	17	0	0	0	0	0	0	17	0	14	0
	1730	,,	1003·2	988·8	..	32·4	24·0	19·6	22·9	49	..	5·9	..	3·6	0	0	24	0	0	0	0	0	0	24	0	7	0
Arogyavaram	0830	701	1007·4	930·6	..	24·4	20 3	17·8	20·9	65	..	6·0	..	10·6	0	1	30	0	0	0	0	1	3	1	26	0	0
	1730	,,	1002·7	927·8	..	30·0	20·6	15·1	17 0	41	..	6·3	..	14·2	0	7	24	1	0	0	0	0	3	13	14	0	0
Madras State (including Pondicherry)																											
Madras	0830	6	1007·1	1006·7	..	29·3	24·2	21·7	25·9	62	..	6·1	..	7·2	0	0	24	0	0	0	0	0	6	18	0	7	0
	1730	,,	1003·7	1003·1	..	31·2	25 4	22·7	27·6	64	..	6·0	..	6·4	0	0	27	1	0	3	8	6	5	4	0	4	0
Madras (Minam Bakkam)	0230	16	1005·4	1003·7	..	27·3	23·7	21·9	26·3	74	..	5·4	..	10·5	0	2	25	0	0	0	3	7	8	9	0	4	0
	0530	,,	1005·8	1004·1	..	26·7	23·5	21·8	26·3	76	..	6·4	..	8·8	0	3	24	0	0	0	5	4	10	8	0	4	0
	0830	,,	1007·3	1005·6	+1·5	28·8	24·1	21·7	25·9	67	+5	6·4	+0·7	11·3	0	4	25	0	0	0	0	4	13	12	0	2	0
	1130	,,	1006·7	1005·0	..	32·3	24·5	20·6	24·4	51	..	6·4	..	19·5	0	16	15	0	0	0	0	1	6	23	1	0	0
	1430	,,	1004·2	1002·5	..	34·1	25·0	20·5	24·1	46	..	6·4	..	14·2	0	8	23	0	0	2	2	3	9	13	1	0	1
	1730	,,	1003·5	1001·9	..	32·1	25·5	22·4	27·3	58	..	6·5	..	13·5	0	4	26	0	0	4	8	7	6	4	1	1	0
	2030	,,	1006·1	1004·4	..	28·6	25.1	23·5	28·9	76	..	6·5	..	14·7	0	7	20	0	1	2	8	7	3	4	2	4	0
	2330	,,	1006·8	1005.0	..	27·4	24.4	22·9	28.1	78	..	6.0	..	10·3	0	0	29	0	0	1	3	12	7	5	1	2	0

Sub Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Kms. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madras State (including Pondicherry)—(*Contd.*)																											
Vellore	0530	214	1006·5	982·4	..	25·8	21·8	19·5	22·8	69	..	5·5	..	3·1	0	0	16	0	0	0	0	0	2	14	0	15	0
	0830	,,	1007·4	983·4	+1·3	27·8	22·4	19·5	22·7	61	—6	6·3	+1·5	11·6	0	1	30	0	0	0	0	0	5	25	1	0	0
	1130	,,	1007·0	983·4	..	31·7	23·2	18·5	21·6	47	..	6·4	..	8·7	0	2	28	0	0	0	0	0	6	19	5	1	0
	1730	,,	1003·3	979·9	..	33·1	23·4	18·0	20·8	41	..	6·7	..	13·3	0	4	26	1	0	0	0	0	9	18	2	1	0
	2330	,,	1007·5	983·5	..	27·5	22·9	20·4	24·1	67	..	5·9	..	3·2	0	0	15	0	0	0	0	0	4	9	2	16	0
Tambaram Aerodrome	0830	29	1007·1	1003·9	..	28·9	24·9	22·9	27·9	71	..	6·6	..	17·3	0	9	20	0	0	0	0	4	15	10	0	2	0
	1730	,,	1003·7	1000·5	..	32·6	26·0	22·8	27·7	58	..	6·6	..	20·0	0	13	17	0	1	4	8	3	9	4	1	1	0
Tirupattur	0830	390	1008·2	964·9	..	25·9	22·1	20·1	23·2	70	..	7·4	..	5·0	0	0	28	18	0	2	6	0	0	1	1	3	0
	1730	,,	1004.5	961·9	..	32·0	23·3	19·6	22·6	51	..	7·5	..	8·0	0	0	30	19	0	1	0	2	1	7	0	1	0
Mettur Dam R. S.	0830	..	..	..	..	28.2	24·6	22·9	27.9	73	..	5·0	..	3·3	0	0	25	0	2	0	4	0	17	0	2	6	0
	1730	..	..	..	..	31·4	27·1	25·3	32·2	71	..	6·0	..	5·0	0	0	29	0	5	0	3	0	16	0	5	2	0
Cuddalore	0530	12	1006.3	1005.0	..	26·7	22·9	20·9	24·9	71	..	5·0	..	1·3	0	0	9	0	0	0	4	5	0	0	0	22	0
	0830	,,	1008·0	1006·7	+1.4	29·6	23·7	20·8	24·4	60	—9	6·0	+0·9	6·2	0	0	31	0	0	0	0	2	26	1	2	0	0
	1130	,,	1007·1	1005·9	..	33·9	24·5	19·7	22·9	44	..	5·3	..	8·1	0	0	31	0	0	0	0	2	23	3	3	0	0
	1730	,,	1004·0	1002·7	..	32·1	25·3	21·9	26·6	58	..	5·7	..	12·7	0	4	27	0	0	0	19	1	9	0	2	0	0
	2330	,,	1007·4	1006·1	..	28·5	23·8	21·4	25·6	67	..	5·5	..	5.7	0	0	24	0	0	0	3	5	16	0	0	7	0
Kallakkurichchi	0830	127	1007·9	993·7	..	28·9	23·9	21·3	25·8	64	..	5·1	..	9·2	0	3	25	0	0	0	1	1	23	2	1	3	0
	1730	.	1003·5	989·6	..	33·8	24·4	19·5	22·8	44	..	6·3	..	10·4	0	4	25	0	0	0	3	0	24	0	2	2	0
Salem	0530	278	1007·3	976·0	..	24·2	21·3	20·0	23·4	76	..	6·3	..	4·3	0	0	20	0	0	0	0	2	9	7	2	11	0
	0830	..	1008·6	977·5	+1·1	26·1	21·5	19·6	22·0	67	—10	6·2	+0·7	2·5	0	0	16	0	0	0	0	0	4	11	1	15	0
	1130	,,	1007·6	976·8	..	30·7	22·6	18·0	20·8	48	..	5·8	..	8·7	0	1	28	1	0	0	0	1	12	12	2	2	1
	1730	,,	1004·3	973·9	..	31·6	22·3	16·9	19·4	43	...	7·0	..	7·6	0	4	19	0	0	0	0	0	9	14	0	8	0
	2330	,,	1008·3	997·2	..	26·3	21·7	19·1	22·1	66	..	6·7	..	6·3	0	0	25	0	0	0	0	1	11	13	0	6	0
Coimbatore (Pilamedu)	0530	399	1007·9	963·4	..	22·0	21·3	20·9	24·7	93	..	5·5	..	18·7	0	12	19	0	0	0	0	11	19	1	0	0	0
	0830	..	1009·3	964·8	..	24·3	22·4	21·4	25·5	84	..	5·7	..	23·9	0	21	10	0	0	0	0	13	17	1	0	0	0
	1130	,,	1008·3	964·4	..	28·5	23·4	20·8	24·7	64	..	5·4	..	3·1	0	25	5	0	0	0	0	10	17	2	0	1	0
	1730	..	1006·2	962·2	..	27·1	23·2	21·2	25·2	71	..	6·2	..	34·1	0	30	1	0	0	0	0	9	21	1	0	0	1
	2330	,,	1009·5	964·8	..	23·2	21·9	21.1	25·1	89	..	5.0	..	23·2	0	19	12	0	0	0	0	11	19	1	0	0	0
Coimbatore	0830	409	1009.2	963·7	+1·4	24·1	21·8	19·6	22·8	74	—6	6·4	+1·5	18·0	0	11	20	0	0	0	0	11	16	4	0	0	0
Nagapattinam	0830	9	1008·7	1007·6	+1·6	29·2	23·4	20·4	23·8	60	—5	5·9	+1·3	11·7	0	2	29	0	0	0	0	0	8	23	0	0	0
	1730	,,	1004·8	1003·7	..	32·4	25·0	21·2	25·6	54	..	5·9	..	16.3	0	11	20	0	0	0	7	9	12	3	0	0	0
Tiruchirapalli	0230	88	1006·7	996·8	..	26·9	21·8	18·6	21·4	60	..	4·9	..	22·8	0	19	12	0	0	0	0	0	1	24	6	0	0
	0530	,,	1006·8	996·9	..	26·6	21·7	18·9	21·8	63	..	5·3	..	22·2	0	7	13	0	0	0	0	0	1	24	5	1	0
	0830	,,	1008·2	998·3	+0·8	28·9	22·2	18·5	21·3	54	—5	5·9	+0·9	26·2	0	24	5	0	0	0	0	0	2	24	3	2	0
	1130	,,	1007·3	997·6	..	33·5	23·0	17·1	19·5	38	..	5·7	..	31·5	0	26	5	0	0	0	0	0	3	24	4	0	0
	1430	,,	1004·7	995·1	..	35·3	23·1	16·0	18·3	32	..	6·0	..	33·8	0	26	5	0	0	0	0	0	1	23	7	0	0
	1730	,,	1004·2	994·5	..	33·7	22·7	16·2	18·5	36	..	6·4	..	33·3	0	26	5	0	0	0	1	0	3	24	3	0	0
	2030	,,	1007·0	997·2	..	29·8	22·1	17·7	20·2	49	..	5.8	..	29·8	0	26	5	0	0	1	0	3	3	22	2	0	0
	2330	,,	1008·1	998·2	..	28·2	21·9	18·0	22·5	56	..	5·6	..	25.5	0	23	8	0	1	0	0	1	2	24	3	0	0
Vedarannivam	0830	4	1008·5	1008·0	..	30·3	24·6	21·8	26·1	61	..	2·5	..	4·0	0	0	31	0	0	0	0	0	31	0	0	0	0
	1730	,,	1005·0	1004·5	..	30·8	25·2	22·7	27·5	62	..	2·9	..	5·0	0	0	31	0	0	0	0	0	31	0	0	0	0
Atirampattinam	0830	6	1008·3	1007·6	..	29·6	24·3	21·8	25·9	63	.	4.0	..	8.0	0	0	31	1	1	0	0	4	7	8	10	0	0
	1730	,,	1005·1	1004·4	..	30·3	26·4	24·8	31·1	72	..	4·2	..	19·0	0	19	12	0	0	0	0	26	4	0	1	0	0
Madurai	0830	133	1008·1	993·2	+0·7	28·4	22·7	19·5	23·0	59	+2	3·1	—2·4	7·0	0	1	29	2	0	0	0	1	4	9	12	1	2
Madurai Aerodrome	0530	131	1007·2	992·4	..	26·3	21·8	19·2	22·2	66	..	4·5	..	11·2	0	6	21	4	0	0	0	0	2	11	10	4	0
	0830	,,	1008·6	993·9	..	29·3	22·8	19·3	22·4	56	..	5·2	..	13·4	0	7	21	4	1	0	0	0	2	13	6	3	0
	1130	,,	1007·6	993·2	..	33·4	23·7	18·4	21·1	42	..	5·3	..	18·3	1	10	19	2	0	0	0	0	4	16	7	1	1
	1730	,,	1004·8	990·4	..	32·8	24·0	19·2	22·2	46	..	6·6	..	26·1	0	24	7	1	0	0	1	3	2	22	2	0	0
Tondi	0830	5	1009·0	1008·4	..	29·3	25·0	23·0	28·3	70	..	4·0	..	4·9	0	0	20	1	0	3	2	4	6	3	1	11	0
	1730	,,	1005·6	1005·0	..	30·6	27·0	25·4	32·6	76	..	4·6	..	28·0	0	28	3	0	0	0	11	14	2	3	1	0	0
Pamban	0830	11	1008·8	1007·5	+1·1	28·6	25·1	23·5	28·8	74	—1	4·8	+1·8	9·0	0	5	26	1	0	3	2	5	9	11	0	0	0
	1730	,,	1005·8	1004·5	..	29·3	25·6	24·0	29·7	74	..	4·0	..	17·4	0	11	20	0	0	0	5	20	6	0	0	0	0
Tuticorin	0830	4	1009·4	1009·0	+1·3	29·9	23·5	20·4	23·9	57	—1	3·4	—0·7	14·1	0	7	24	0	1	0	0	0	1	27	2	0	0
	1730	,,	1006·1	1005·7	..	32·1	23·3	18·4	21·1	46	..	5·3	..	23·9	0	25	6	0	0	0	2	4	1	24	0	0	0
Palayankottai	0830	51	1009·3	1003·6	+1·5	30·1	23·0	19·1	22·4	52	—7	5·2	+0·4	17·3	0	12	19	1	0	0	0	0	1	28	1	0	0
	1730	,,	1006·2	1000·5	..	31·8	23·0	18·1	20·9	45	..	6·0	..	26·4	0	27	4	0	0	2	1	0	4	17	7	0	0
Kanniyakumari	0830	37	1009·9	1005·8	..	27·0	23·6	21·9	26·3	74	..	5·2	..	21·2	0	21	10	0	0	0	0	0	1	26	4	0	0
	1730	,,	1007·7	1003·5	..	27·9	24·0	22·2	27·3	73	..	6·1	..	21·6	0	18	13	0	0	0	0	0	0	28	3	0	0

(R) Register not received

Sub Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean Pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean Pressure in millibars: At station level	Mean Pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity,%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Kms. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Coastal Mysore																											
Karwar	0830	4	1009.0	1008.5	+1.6	26.7	24.9	24.1	30.0	86	—2	7.1	—0.5	16.3	0	9	21	0	1	0	1	0	2	4	0	1	22
	1730	,,	1007.3	1006.8	..	27.6	25.2	24.2	30.1	82	..	6.7	..	10.0	0	5	26	0	0	0	0	0	1	0	6	0	24
Honawar	0830	26	1009.3	1006.5	+1.2	25.9	24.2	23.6	29.1	87	—4	7.5	+0.5	7.1	0	1	28	0	1	3	1	1	10	12	1	2	0
	1730	,,	1008.1	1005.1	..	26.7	24.7	23.8	29.4	85	..	7.0	..	5.6	0	0	29	1	0	0	0	5	10	10	3	2	0
Mangalore (Bajpe)	0230	102	1008.7	997.3	..	24.3	23.6	23.3	28.6	94	..	6.9	..	10.1	0	5	15	0	0	0	3	0	2	14	1	11	0
	0530	,,	1008.6	997.0	..	24.1	23.4	23.1	28.3	94	..	7.3	..	10.5	0	4	18	0	0	0	3	1	1	16	1	9	0
	0830	,,	1010.0	998.5	..	25.1	24.1	23.6	29.1	91	..	7.4	..	7.3	0	2	20	0	0	2	4	0	1	15	0	9	0
	1130	,,	1010.2	998.8	..	27.1	24.9	24.0	29.8	84	..	7.0	..	11.9	0	7	20	0	0	0	2	0	4	16	4	4	1
	1430	,,	1008.9	997.4	..	26.8	24.8	24.0	29.8	85	..	7.5	..	15.9	0	11	19	0	0	0	1	0	2	24	3	1	0
	1730	,,	1008.3	996.8	..	26.3	24.7	24.1	30.0	88	..	7.6	..	11.0	0	4	23	0	0	0	1	0	1	21	4	4	0
	2030	,,	1009.8	998.2	..	25.1	24.1	23.6	29.1	92	..	7.0	..	7.2	0	3	15	0	0	0	1	0	1	13	3	13	0
	2330	,,	1010.3	998.7	..	24.7	23.8	23.5	28.9	93	..	7.1	..	7.5	0	3	16	0	0	0	3	0	4	11	1	12	4
Mangalore	0830	22	1010.0	1007.5	+1.6	26.1	24.3	23.5	28.9	86	—4	7.3	+0.3	6.5	0	0	31	1	1	5	3	1	9	0	7	0	1
	1730		1008.0	1006.0	..	27.4	25.2	24.2	30.2	83	..	7.2	..	6.7	0	0	31	2	0	2	3	1	8	5	8	0	2
Interior Mysore North																											
Bidar	0830	664	1004.9	931.7	..	22.4	21.3	20.5	24.4	89	+7	7.5	+1.9	29.4	0	30	1	0	0	0	0	0	20	11	0	0	0
	1730	,,	1002.5	929.0	..	26.9	22.8	20.8	24.4	74	..	6.8	..	26.7	0	24	7	0	0	0	0	0	17	13	1	0	0
Gulbarga	0830	458	1005.9	955.0	+1.0	24.1	21.9	20.8	24.7	82	+3	7.6	+1.8	14.7	0	6	25	0	0	0	0	0	8	23	0	0	0
	1730	,,	1001.8	951.7	..	28.3	22.6	19.8	23.2	63	..	7.4	..	19.8	0	14	17	0	0	0	0	0	6	24	1	0	0
Bijapur	0830	594	1007.6	941.8	+2.1	23.3	22.2	20.7	24.4	90	+13	6.4	+0.3	6.2	0	0	31	1	0	1	0	2	7	19	1	0	0
	1730	,,	1003.9	939.0	..	27.7	23.8	22.4	27.1	93	..	6.3	..	6.0	0	0	31	1	0	0	0	2	4	23	1	0	0
Raichur	0830	400	1006.2	962.0	+1.0	25.0	21.6	20.9	24.7	78	+4	6.0	+1.2	9.4	0	5	22	0	0	0	0	1	24	0	0	4	2
	1730	,,	1002.5	959.5	..	29.1	22.7	19.3	22.4	60	..	6.1	..	11.3	0	5	21	0	0	0	1	0	20	0	2	5	3
Belgaum	0830	753	1007.4	924.6	+0.9	21.3	20.6	20.3	23.8	94	+6	7.9	+0.5	5.0	0	0	28	0	0	0	0	0	0	27	1	3	0
	1730	,,	1005.7	923.3	..	22.3	20.9	20.2	23.7	88	..	7.8	..	7.7	0	0	31	0	0	0	0	0	2	23	6	0	0
Belgaum (Samra)	0530	747	1006.4	924.0	..	20.7	19.8	19.3	22.4	92	..	7.5	..	15.4	0	9	22	0	0	0	0	0	13	18	0	0	0
	0830	,,	1007.5	925.3	..	21.5	20.4	19.8	23.1	90	..	7.8	..	16.0	0	10	21	0	0	0	0	0	10	21	0	0	0
	1130	,,	1007.3	925.6	..	23.4	21.3	20.2	23.7	83	..	7.7	..	19.7	0	17	14	0	0	0	0	0	9	22	0	0	0
	1430	,,	1006.0	924.4	..	23.7	21.3	20.1	23.5	81	..	7.7	..	22.1	0	22	9	0	0	0	0	0	8	23	0	0	0
	1730	,,	1005.6	923.9	..	22.8	20.9	19.9	23.2	84	..	7.4	..	20.5	0	19	12	0	0	0	0	0	8	23	0	0	0
	2030	,,	1007.6	925.2	..	21.2	20.1	19.5	22.7	91	..	7.4	..	17.5	0	12	19	0	0	0	0	0	10	20	1	0	0
Gadag	0530	650	1006.6	934.5	..	21.1	20.3	20.0	23.2	94	..	6.8	..	18.5	0	11	20	0	0	0	0	0	10	21	0	0	0
	0830	,,	1007.6	935.8	+1.1	22.6	21.1	20.3	23.8	87	+4	7.4	+1.0	16.5	0	9	22	0	0	0	0	0	9	22	0	0	0
	1130	,,	1006.8	935.9	..	26.2	21.9	19.8	23.2	68	..	6.9	..	21.2	0	21	10	0	0	0	0	0	10	21	0	0	0
	1430	,,	1005.1	934.6	..	26.9	21.9	19.5	22.7	66	..	7.0	..	26.1	0	26	5	0	0	0	0	0	7	24	0	0	0
	1730	,,	1005.0	934.1	..	25.5	21.5	19.5	22.7	71	..	7.2	..	19.5	0	15	16	0	0	0	0	0	8	23	0	0	0
	2030	,,	1007.4	935.7	..	22.6	20.7	19.8	22.9	85	..	5.7	..	19.5	0	14	17	0	0	0	0	0	9	22	0	0	0
	2330	,,	1008.2	936.2	..	21.6	20.5	19.9	23.2	90	..	5.4	..	18.8	0	12	19	0	0	0	0	0	12	19	0	0	0
Interior Mysore South																											
Bellary	0830	449	1000.9	957.2	+1.1	25.5	21.7	19.6	22.8	70	+5	5.1	—0.8	13.0	0	1	30	0	0	0	0	0	3	18	10	0	0
	1730	,,	1003.6	954.6	..	28.9	22.6	19.1	22.4	58	..	6.2	..	14.6	0	4	27	0	0	0	0	0	0	17	14	0	0
Chitradurga	0830	733	1007.9	927.2	+1.1	21.7	20.0	19.2	22.1	85	+4	6.5	—0.6	14.5	0	3	28	0	0	0	0	0	10	21	0	0	0
	1730	,,	1005.1	925.4	..	24.8	20.7	18.5	21.0	70	..	6.6	..	16.3	0	7	24	0	0	0	0	0	1	20	0	0	0
Shimoga	0830	571	1008.1	944.9	+0.7	22.9	21.1	20.1	23.8	84	—4	7.3	—0.1	4.5	0	0	31	0	0	0	0	0	5	26	0	0	0
	1730	,,	1006.4	943.5	..	24.3	21.9	20.1	24.0	79	..	7.6	..	6.7	0	0	31	0	0	0	0	0	4	26	0	0	0
Agumbe	0830	..	..	..	..	21.2	21.0	20.9	24.7	98	..	..	..	9.2	0	0	31	1	0	0	0	0	28	0	3	0	0
Bale Honnur	0830	..	..	..	..	20.9	19.4	18.9	21.4	92	—2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hassan	0830	960	1493.2	904.5	..	20.1	19.1	18.5	21.3	91	+6	6.7	—0.3	4.4	0	0	31	0	0	0	0	0	17	14	0	0	0
	1730	,,	1482.0	902.9	..	22.2	19.8	18.4	21.3	80	..	7.2	..	4.3	0	0	31	0	0	0	0	0	14	17	0	0	0
Bangalore	0230	921	1483.5	907.6	..	20.2	18.2	17.9	20.5	87	..	5.3	..	13.4	0	6	25	0	0	0	0	0	8	23	0	0	0
	0830	,,	1494.2	908.6	+1.5	20.9	19.0	18.0	20.5	84	—1	7.1	0	12.9	0	4	27	0	0	0	0	0	12	19	0	0	0
	1130	,,	1499.9	908.5	..	24.7	19.9	17.2	19.7	63	..	6.8	..	19.7	0	17	14	0	0	0	0	0	11	20	0	0	0
	1430	,,	1490.3	907.0	..	26.8	20.4	16.8	19.3	55	..	7.0	..	21.3	0	16	15	0	0	0	0	0	6	24	1	0	0
	1730	,,	1484.3	906.7	..	25.3	19.7	16.6	18.8	60	..	6.9	..	21.3	0	18	13	0	0	0	0	0	9	21	1	0	0
	2030	,,	1492.9	908.2	..	22.5	19.3	17.7	20.0	72	..	5.0	..	14.9	0	9	20	0	0	0	0	0	7	22	0	2	0
Bangalore Aerodrome	0530	897	1475.2	909.5	..	19.5	18.7	18.2	20.9	93	..	5.9	..	17.5	0	12	19	0	0	0	0	0	5	25	1	0	0
	0830	,,	1490.6	910.8	..	21.3	19.5	18.6	21.4	85	..	6.9	..	21.2	0	16	15	0	0	0	0	0	6	25	0	0	0
	1130	,,	1497.6	910.6	..	25.3	20.2	17.5	20.0	62	..	6.7	..	28.9	0	27	4	0	0	0	0	0	6	25	0	0	0
	1730	,,	1478.4	908.6	..	25.4	20.5	17.8	20.4	85	..	6.8	..	28.5	0	22	9	0	0	0	0	0	4	26	1	0	0
	2330	,,	1491.4	910.9	..	21.1	19.3	18.4	20.9	65	..	5.1	..	18.8	0	12	19	0	0	0	0	0	2	29	0	0	0

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean Pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean Pressure in millibars: At station level	Mean Pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind Speed in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Mysore	0830	767	1009·8	925·3	+1·4	21·7	19.3	18.1	20.6	80	0	4.6	−2.0	6.9	0	0	31	2	3	2	4	4	9	1	6	0	0
	1730	,,	1007·0	923·6	..	25·0	20.1	17.4	20.0	64	..	5.5	..	11.0	0	2	29	1	0	1	0	1	8	14	6	0	0
Kerala																											
Calicut	0530	5	1009·9	1009·3	..	24·0	23.4	23.0	28.1	94	..	5.9	..	8.5	0	4	19	1	2	9	1	0	2	1	7	8	0
	0830	,,	1010·9	1010·3	+1·4	25·1	23.9	23.4	28.8	91	−1	6.3	−0.8	4.7	0	1	20	2	4	5	0	0	2	4	4	10	0
	1130	,,	1011·2	1010·6	..	26·4	24.8	24.1	30.0	88	..	7.0	..	8.5	0	3	23	0	1	0	0	0	2	9	14	5	0
	1730	,,	1009·4	1008·8	..	26·8	24.7	23.8	29.3	84	..	6.6	..	10.9	0	4	23	1	1	0	0	0	3	11	11	4	0
	2330	,,	1011·2	1010·6	..	24·9	24.0	23.5	28.9	92	..	6.3	..	5.7	0	2	20	4	6	5	0	0	1	1	5	9	0
Palghat	0830	97	1010·7	999·6	..	24·6	23.3	22.7	27.6	89	..	6.9	..	11.2	0	1	30	0	0	0	0	0	0	31	0	0	0
	1730	,,	1008·4	997·4	..	26.7	23.8	22.4	27.1	78	..	6.8	..	10.6	0	0	31	0	0	0	0	0	1	30	0	0	0
Fort Cochin	0830	3	1011·3	1011·0	+1·2	26·0	24.4	23.6	29.3	87	0	7.4	+0.8	9.0	0	0	28	5	8	5	0	0	3	3	3	3	0
	1730	,,	1009·4	1009·1	..	26·8	24.6	23.6	29.1	83	..	7.0	..	7.5	0	0	30	3	2	0	1	0	2	7	15	1	0
Cochin (Naval Air Station)	0230	3	1010·2	1009·9	..	24·7	23.7	23.3	28.7	92	..	6.0	..	2.3	0	1	6	0	0	0	2	0	2	2	1	24	0
	0530	,,	1010·0	1009·7	..	24·1	23.4	23.0	28.3	93	..	6.3	..	4.5	0	0	14	0	2	3	1	0	2	4	2	17	0
	0830	,,	1011·3	1011·0	..	25·6	24.0	23.2	28.5	87	..	6.6	..	4.6	0	0	17	1	3	3	0	0	1	5	4	14	0
	1130	,,	1011·6	1011·3	..	27·5	24.5	23.1	28.4	78	..	6.6	..	9.6	0	0	25	1	0	1	0	1	4	9	9	6	0
	1730	,,	1009·4	1009·1	..	27·4	24.3	22.9	28.0	77	..	7.0	..	13.0	0	4	23	0	0	0	0	1	4	12	10	4	0
	2330	,,	1011·5	1011·2	..	25·2	24.0	23.4	28.8	90	..	5.9	..	2.6	0	0	7	0	0	1	0	0	1	3	2	24	0
Alleppey	0830	4	1011·3	1010·9	+1·6	25·8	24.5	23.8	29.5	89	−2	6.3	−0.9	8.6	0	3	27	3	8	2	2	0	2	2	10	1	1
	1730	,,	1009·1	1008·7	..	27·6	25.0	23.9	29.7	80	..	6.2	..	18.2	0	15	16	1	0	0	1	0	1	2	26	0	0
Punalur	0830	34	1011·3	1007·5	..	24·7	23.7	23.1	28.4	91	..	7.0	..	0.3	0	0	4	0	1	1	0	0	1	1	0	27	0
	1730	,,	1008·8	1005·0	..	28·5	24.4	22.8	27.3	71	..	7.0	..	3.2	0	0	30	2	0	0	0	0	8	13	7	1	0
Trivandrum	0230	64	1009·9	1002·5	..	24·2	23.2	22.7	27.6	92	..	5.1	..	4.6	0	1	19	4	0	0	0	0	0	3	13	11	0
	0530	,,	1009·9	1002·5	..	23·8	22.9	22.4	27.3	92	..	5.5	..	5.9	0	0	28	13	0	0	0	0	0	3	12	3	0
	0830	,,	1011·2	1003·9	+1·3	25·3	23.7	23.0	27.9	88	+1	5.7	−1.1	5.9	0	0	30	9	0	0	0	0	0	0	21	1	0
	1130	,,	1011·0	1003·7	..	28·1	24.3	22.8	27.7	72	..	6.2	..	10.8	0	4	27	4	0	0	0	0	0	5	22	0	0
	1430	,,	1009·2	1002·0	..	28·9	24.6	22.6	27.3	69	..	5.9	..	11.2	0	2	29	1	0	0	0	0	1	2	27	0	0
	1730	,,	1008·8	1001·6	..	27·7	24.2	22.5	27.3	74	..	6.1	..	11.1	0	2	29	7	0	0	0	0	0	4	20	0	0
	2030	,,	1010·7	1003·3	..	25·6	23.7	22.8	27.7	85	..	5.3	..	8.3	0	0	30	9	0	0	0	0	1	1	19	1	0
	2330	,,	1011·4	1004·1	..	24·8	23.4	22.8	27.7	89	..	5.1	..	7.7	0	1	28	13	0	0	0	0	0	0	16	2	0
Trivandrum Aerodrome	0830	8	1011·5	1010·6	..	26·3	24.1	23.0	28.1	82	..	8.0	..	21.1	0	20	9	17	1	0	0	0	0	2	9	2	0
Arabian Sea Islands																											
Amini‡	0530	4	1008·3	1007·9	..	27·5	25.2	24.2	30.0	82	..	5.2	..	35.2	0	31	0	0	0	0	0	0	3	25	3	0	0
	0830	,,	1009·7	1009·3	..	27·9	25.5	24.5	30.7	82	−1	6.1	−0.1	34.1	0	31	0	0	0	0	0	0	1	29	1	0	0
	1130	,,	1010·2	1009·7	..	28·6	25.9	24.7	31.5	80	.	6.0	..	34.5	0	30	1	0	0	0	0	0	3	26	2	0	0
	1730	,,	1008·1	1007·7	..	28·6	26.0	24.9	31.5	81	..	6.2	..	33.5	0	30	1	0	0	0	0	0	2	26	3	0	0
	2330	,,	1010·0	1009·6	..	27·6	25.4	24.4	30.5	83	..	5.2	..	31.3	0	27	3	0	0	0	0	0	2	25	3	1	0
Agatti	0830	4																									
	1730	,,																									
Androth	0830	5																									
	1730	,,																									
Minicoy	0530	2	1009·9	1009·7	..	26·5	24.2	23.1	28.3	82	..	5.1	.	9.7	0	4	23	0	0	0	0	1		25	0	4	0
	0830	,,	1011·3	1011·1	+1.2	27·7	24.9	23.6	29.2	79	0	5.8	+0.5	9.9	0	3	26	0	0	0	0	1	0	27	1	2	0
	1130	,,	1011·5	1011·3	..	28·7	25.4	23.8	29.5	74	..	6.0	..	11.9	0	3	27	0	0	0	1	0	0	28	2	1	0
	1430	,,	1010·1	1009·9	..	29·3	25.5	23.9	29.7	73	..	6.5	..	12.1	0	1	29	0	0	0	0	0	1	26	3	1	0
	1730	,,	1009·5	1009·3	..	28·6	25.2	23.7	29.3	75	..	6.1	..	11.8	0	4	27	0	0	0	0	0	1	27	3	0	0
	2030	,,	1010·8	1010·6	..	27·5	24.7	23.5	28.9	79	..	4.0	..	11.7	0	4	27	0	0	0	0	0	1	29	1	0	0
	2330	,,	1011·7	1011·5	..	27·1	24.6	23.5	28.9	81	..	4.3	..	12.5	0	6	24	0	0	1	0	0	2	25	2	1	0
Hill Stations excluding Kashmir																											
Dalhousie	0830	1959	1381·0	795·1	0	18·7	16.6	15.5	17.6	83	−3	3.4	−1·1	0.5	0	0	4	0	2	0	0	0	0	0	0	27	2
	1730	,,	1371·9	794·8	..	21·1	18.9	17.1	19.5	80	..	3.3	..	0.5	0	0	5	0	4	0	1	0	0	0	0	26	0
Dharmsala	0830	1211	..	..	..	23·7	20.2	18.3	21.0	74	−6	6.0	+0·5	1.2	0	0	18	1	5	0	0	3	1	4	4	13	0
	1730	,,	..	..	..	25·5	21.4	19.3	22.4	71	..	6.6	..	2.0	0	0	26	2	0	0	1	1	14	3	5	5	0
Simla	0830	2202	1441·4	778·4	..	17·6	16.9	16.4	18.4	93	+13	6.3	0	0.4	0	0	7	0	0	0	3	4	0	0	0	24	0
	1730	,,	1437·6	778·2	+1·4	18·4	17.7	17.2	19.1	94	..	6.5	..	0.2	0	0	4	0	1	0	1	0	2	0	0	27	0
Lokpal	0830	..	..	..	..	7·3	6.3	5.4	8.9	87	..	5.1	..	..	0	0	..	..	..	..	..	..	..	..	..	..	..
Badrinath (R)	0830	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Joshimath	0830	..	..	..	..	19·3	17.7	16.7	19.0	86	..	5.0	..	2.8		0	26	5	7	3	1	0	1	7	2	5	0
	1730	..	..	..	..	22·6	18.5	16.3	18.5	69	..	6.0	..	3.2	0	0	25	1	3	3	0	1	5	1	10	6	1

(R) Register not received.

Sub-Division and Station	Hour of observations I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p. h.): 2 or more	Wind speed (Km. p. h.): 20 to 61	Wind speed (Km. p. h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hill Stations Excluding Kashmir—(*Contd.*)																											
Mussoorie	0830	2042	1432·9	791·8	−0·6	17·6	16·5	15·6	17·7	88	−5	6·4	−0·6	2·5	0	0	23	4	2	0	3	7	4	0	3	8	0
	1730	,,	1410·3	790·4	..	19·0	17·9	17·0	19·4	90	..	7·0	..	2·8	0	0	24	4	2	0	5	8	3	0	2	7	0
Mukteswar (Kumaun)	0830	2311	3098·3	768.6	+0·4	16 4	15·2	14·4	16·4	89	+1	6·2	+0·4	11·7	0	7	21	0	3	8	2	1	0	9	5	3	0
	1730	,,	3087·8	767·1	..	18·5	16.6	15·5	17·6	81	..	5·9	..	11·7	0	7	23	0	0	3	3	1	7	11	5	1	0
Nainital	0830	1953	1427·3	800 0	+0·4	18·5	16·3	15·0	17 0	81	−5	6·0	−0·9	7·6	0	1	30	2	0	14	8	1	0	6	0	0	0
	1730	,,	1405·7	798·2	..	19·7	17·3	15·9	18·1	80	..	6·0	..	8·3	0	0	31	.	1	9	8	1	1	6	0	0	0
Kalimpong	0830	1209	..	.	..	24·0	19·5	17·0	19·4	65	−26	..	..	9·0	0	0	31	0	0	0	20	0	3	0	8	0	0
	1730	,,	..	..	..	25·0	20·2	17.6	20·1	64	..	..	..	5·9	0	0	31	0	0	0	26	0	2	0	8	0	0
Darjeeling	0830	2128	1466.8	787·5	+2.6	17·2	16·8	16·6	18·9	96	+7	7·6	+0·5	2·0	0	0	10	3	3	0	0	0	1	0	0	21	3
	1730	,,	1452·5	786·1	..	17·1	16·7	13·5	18·8	96	..	7·5	..	1.8	0	0	8	0	2	0	1	0	2	0	0	23	3
Kohima	0830	1406	1493·5	858·3	..	21·2	19·8	19.1	22·1	87	..	7·5	..	0·9	0	0	14	0	0	0	0	0	0	0	14	17	0
	1730	,,	1457.6	855·2	..	22·5	20.8	19·9	23·2	87	..	7·5	..	0·6	0	0	12	-	1	0	2	0	0	0	7	19	0
Shillong	0830	1500	1469·3	847.2	+2·8	21 7	19.9	19·0	20 0	83	+2	7·9	+1·2	0.6	0	0	2	0	0	0	0	1	1	0	0	29	0
	1730	,,	1448.3	845·2	.	21·6	19·9	19·1	22·1	83	..	8·0	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
Cherrapunji (R)	0830	1313																									
(R)	1730	..																									
Abu	0830	1195	1432.5	873·8	+0·6	20·6	19·1	18·4	21·1	89	−2	6·1	-1·0	3·1	0	2	8	0	0	1	0	4	5	0	0	21	0
	1730	,,	1416·3	872·0	..	23·3	20·6	19·2	22·4	76	..	5·7	..	10·5	0	7	23	0	1	1	0	14	14	0	0	1	0
Aijal	0830	..	..	..	..	22·3	20·8	20.1	23·5	81	..	6.9	..	4·4	0	0	31	2	0	22	1	2	3	1	0	0	0
	1730	..	..	..	..	22·5	21·0	20.3	23·8	85	..	7·6	..	(b) 5.1	0	0	29	2	0	2	2	2	6	6	1	0	0
Pachmarhi	0830	1075	1434.1	886.2	0	21·0	20·1	19·6	22·9	92	+4	7·6	+0·4	8.0	0	0	31	0	1	1	0	0	1	18	9	0	0
	1730	,,	1417·9	884.3	..	23·4	21·3	20·2	23·8	83	..	7·0	..	6·8	0	0	29	0	1	1	0	0	0	19	7	2	0
Mahabaleshwar	0830	1382	1463.0	858.9	+0.6	17·5	17·5	17·5	20·0	100	+3	8·0	0	17·5	0	11	20	0	0	0	0	0	27	2	2	0	0
	1730	,,	1454·0	857·4	..	17·7	17·7	17·7	20·2	100	..	8·0	..	15·5	0	5	26	0	0	0	0	0	31	0	0	0	0
Mercara	0830	1152	1496·6	885·1	+1·6	18·1	17·8	17·6	20·2	97	+2	7·2	+0·4	15·7	0	8	23	0	0	0	0	0	0	31	0	0	0
	1730	,,	1485·7	883.9	..	19·1	18·1	17·6	20·0	91	..	7·3	..	13·9	0	6	25	0	0	0	0	0	0	26	5	0	0
Ootacamund (R)	0830	2249																									
(R)	1730	..																									
Coonoor (R)	0830	1743																									
Kodaikanal	0830	2343	3141·1	770·4	+1·5	13·7	10·8	8.2	11·1	72	−5	6·3	+0·4	13·3	0	10	19	1	0	0	1	1	0	9	17	2	0
	1130	,,	3151·4	770·7	..	16·2	12·9	10.3	12·5	69	..	7·1	..	12·6	0	3	28	3	0	0	1	2	0	11	14	0	0
	1730	,,	3128·7	769·2	..	14·1	12·0	10·4	12·7	80	..	6·9	..	13·9	0	7	21	1	0	0	0	1	0	9	17	3	0
Nepal																											
Kathmandu	0830	1324	1436·4	861·2	..	22·1	20·3	19·4	22·6	85	..	6·7	..	0·2	0	0	2	0	1	1	0	0	0	0	0	29	0
	1130	,,	1433.1	860·8	..	25·0	21·6	20·0	23·4	75	..	6·6	..	1.0	0	0	5	2	0	0	2	0	0	1	0	26	0
	1730	,,	1413·6	858·9	..	24·1	21·6	20·3	24·0	80	..	6·7	..	1·7	0	0	11	3	1	1	2	2	0	0	2	20	0
Sikkim																											
Lachen	0830	,,	..	..	..	(i) 15·2	(i) 13·6	12·6	14·6	84	..	..	..	..	..	.	..	.	..	..	..	..	..	..	..	..	..
Hydrometeorological Observatories.																											
Damodar Catchment																											
Tilaiya	0830	..	..	..	..	27.6	24.0	23.4	28·8	81	..	6.9	..	11.5	0	6	24	2	2	13	1	0	0	11	1	1	0
	1730	..	..	..	..	28·8	25·0	23·3	28·6	73	..	6.5	..	8.7	0	2	29	1	0	15	5	2	1	6	1	0	0
Hazaribagh	0830	615	999.3	932·2	..	25·2	23·5	22·7	27·6	86	..	6·6	..	8·5	0	0	28	0	0	8	1	2	4	8	5	3	0
	1730	,,	996·0	929.8	..	26·5	24·3	23·3	28·6	83	..	6·4	..	2·7	0	0	16	0	1	4	2	0	3	2	4	15	0
Kenar	0830	..	..	..	..	27·9	24·3	24·1	30·0	80	..	4·8	..	6·0	0	0	31	0	0	6	12	0	0	11	2	0	0
	1730	..	..	..	..	27·3	26·0	25·4	32·4	90	..	3·5	..	4·4	0	0	31	0	0	9	13	0	0	8	1	0	0
Bokaro	0830	242	998·9	972·0	..	28·1	25·5	24·4	30·5	80	..	6·0	..	7·4	0	0	27	0	3	9	3	2	6	2	2	4	0
	1730	,,	996·2	969·8	..	28·5	25·9	24·9	31·5	82	..	6·0	..	6·1	0	0	27	2	3	10	4	..	3	3	1	4	0
Maithon	0830	..	..	..	..	29·1	26·2	24·9	31·5	75	..	6·6	..	3·2	0	0	31	0	3	1	8	2	11	5	1	0	0
	1730	,,	..	..	..	29·7	26·6	25·3	32·2	77	.	6·0	..	3·8	0	0	31	1	1	0	11	1	13	4	0	0	0
Ramgarh	0830	..	..	..	..	27·9	25·0	23.7	29·3	78	..	7·0	..	8.5	0	0	31	4	0	6	1	1	2	13	4	0	0
	1730	..	..	..	..	28·7	25·6	24·2	30·2	78	..	7·1	..	7·9	0	0	30	3	0	9	4	2	4	6	2	1	0
Panchet Hill	0830	..	..	..	..	28·1	25·9	25·0	31·7	84	..	6·1	..	8·4	0	0	29	0	9	0	11	0	9	0	0	2	0
	1730	..	..	..	..	29·3	26·3	25·0	31·7	79	..	5·9	..	5·5	0	0	25	0	6	0	9	0	9	0	1	6	0
Durgapur	0830	..	..	..	..	28·0	25.8	25·0	31·7	84	..	6·7	..	5·6	0	0	31	0	5	5	5	6	7	2	1	0	0
	1730	..	..	..	..	29·4	25·8	24·2	30·2	76	..	6·4	..	6·5	0	0	31	0	1	3	9	12	6	0	0	0	0

(i) Mean of 22 days. (R) Register not received. (b) Mean of 29 days.

Sub-Division and Station	Hour of Observations I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g. p. m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry Bulb	Mean temperature in °C: Wet Bulb	Mean temperature in °C: Dew Point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud amount (Oktas): Mean Amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	E	S	SW	W	NW	Calm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Hydrometeorological Observatories—(*Contd.*)																										
Mahanadi Catchment																										
Ginabahar	0830	..	..	..	..	26·2	24·0	23·0	28·1	83	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hirakud	0830	159	1000·8	983.1	..	27·7	25·1	23·9	29·7	80	..	6·5	..	4·2	0	0	29	1	2	1	0	4	8	11	2	2
	1130	..	1000·0	982·6	..	29·9	25·8	24·0	29·8	71	..	6·3	..	7·3	0	0	30	1	1	2	0	4	4	14	4	1
	1730	..	997.7	980·1	..	29·2	25·5	23·8	29·5	74	..	6·7	..	6·2	0	1	25	0	0	3	2	1	6	11	3	5
Birmkund	0830	..	..	..	..	27·3	24·8	23·5	28·9	84	..	6·0	..	1·7	0	0	13	0	1	0	0	0	5	0	7	18
	1730	..	..	..	..	27·9	25·1	23·9	29·7	80	..	6·6	..	1·6	0	0	13	0	0	0	3	1	3	0	6	18
Sonepur	0830	..	..	..	..	27·9	26·4	25·7	33·0	88	..	..	..	12·5	0	3	28	1	0	2	1	9	1	17	0	0
Khijrawan	0830	..	..	..	..	26·2	23·2	21·7	25·9	77	..	6·5	..	18·1	0	14	17	0	2	0	4	5	17	0	3	0
Narmada Catchment	1730	..	..	..	..	26·9	23·7	22·1	26·6	76	..	6·7	..	15·5	0	5	26	1	2	0	3	7	16	0	2	0
Bagra Tawa	0830	..	..	..	..	26·3	23·8	22·5	27·6	81	..	7·0	..	13·0	0	0	31	0	0	0	0	1	27	3	0	0
	1730	..	..	..	..	28·5	24·6	22·8	27·6	73	..	6·8	..	9·2	0	1	25	0	2	0	0	7	11	4	2	5
Punasa	0830	..	..	..	..	27·0	24·3	23·0	28·3	80	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	29·9	24·7	22·1	26·9	65	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thikri	0830	..	..	..	..	27·5	17·6	9·7	12·1	34	..	6·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sabarmati Catchment																										
Daroi	0830	..	..	..	..	26·9	25·2	24·4	30·7	87	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	31·1	26·2	24·0	30·0	69	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gandak Catchment																										
Jomosom	0830	..	..	..	..	19·7	16·0	14·1	16·1	78	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	19·3	15·9	14·1	16·1	77	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Khudi Bazar	0830	..	..	..	..	24·0	22·1	21·3	25·3	85	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	25·4	24·3	23·8	29·7	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Timure	0830	..	..	..	..	20·5	18·4	17·3	19·8	83	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	21·9	19·2	17·9	20·5	78	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pokhara	0830	..	..	..	..	23·7	22·2	21·6	25·8	88	..	6·6	..	1·5	0	0	12	0	0	2	7	2	1	0	0	19
	1130	..	..	..	..	26·5	23·2	21·8	26·1	76	..	6·1	..	3·3	0	0	21	0	0	0	13	7	1	0	0	10
	1730	..	..	..	..	26·1	23·0	21·6	25·8	77	..	6·3	..	4·4		0	21	0	0	1	15	4	1	0	0	10
Gorkha	0830	..	..	..	..	22·1	21·3	20·9	24·7	93	..	7·1	..	..	..	..	..	†1	0	2	3	2	8	0	1	14
	1130	..	..	..	..	24·1	22·4	21·6	25·8	86	..	6·6	..	..	..	..	..	†0	1	1	3	3	14	3	2	4
	1730	..	..	..	..	24·4	22·3	21·4	25·5	84	..	6·2	..	..	..	..	..	†5	0	0	1	4	9	1	1	10
Nuwakot	0830	..	..	..	..	23·0	22·0	21·5	25·7	92	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	25·1	22·7	21·7	25·9	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghaghara Catchment Trans Himalayan Reagion																										
Dailekh	0830	..	..	..	..	21·8	20·0	19·9	23·3	90	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghaghara Catchment	1730	..	..	..	..	23·3	21·7	20·9	24·8	87	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dadeldhura	0830	..	..	..	..	19·3	18·0	17·3	19·8	89	..	5·1	..	3·5	0	0	27	3	3	3	6	0	2	1	9	4
	1130	..	..	..	..	21·8	19·2	18·0	20·6	80	..	5·2	..	5·3	0	0	30	8	2	1	3	1	1	2	12	1
	1730	..	..	..	..	21·0	19·1	18·1	20·9	85	..	5·3	..	5·5	0	1	30	9	0	2	2	1	3	1	13	0
Sallayana	0830	..	..	..	..	22·6	20·6	19·5	22·8	83	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	22·8	20·8	19·7	23·1	84	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Butwal	0830	..	..	..	..	28·3	25·8	24·7	31·1	81	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	29·9	26·7	25·4	32·5	77	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Baghmati Catchment																										
Katmandu*	0830	1324	..	..	..																					
	1130	..	..	..	..																					
	1730	..	..	..	..																					
Kosi Catchment																										
Chepua	0830	..	..	..	..	20·5	20·0	19·5	22·7	94	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	22·4	20·5	19·6	22·9	85	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Walungchung Gola	0830	..	..	..	..	12·8	12·0	11·6	13·7	93	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	12·4	11·9	11·7	13·7	96	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taplethok	0830	..	..	..	..	21·7	20·4	19·7	23·0	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	21·7	20·4	19·7	22·9	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bhojpur	0830	..	..	..	..	20·5	19·3	18·8	21·7	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	19·8	18·9	18·5	21·4	93	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

*Data included under Nepal. †Estimated.

Sub-Division and Station	Hour of Observations I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g. p. m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry Bulb	Mean temperature in °C: Wet Bulb	Mean temperature in °C: Dew Point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud amount (Oktas): Mean Amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p. h.): 62 or more	Wind speed (Km. p. h.): 20 to 61	Wind speed (Km. p. h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Taplejung	0830	..	..	..	..	19·7	18·7	18·2	21·0	92	..	7·3	..	1·3	0	0	11	3	0	0	0	1	0	1	6	20	0
	1130	..	..	..	..	22·0	20·0	19·0	22·1	84	..	7·0	..	3·4	0	0	20	4	1	0	3	1	6	3	2	11	0
	1730	..	..	..	..	20·7	18·9	18·1	20·7	86	..	6·9	..	4·3	0	0	15	2	0	1	3	7	1	0	1	16	0
Okhaldhunga	0830	..	..	..	..	19·3	18·6	18·2	20·9	93	..	6·8	..	0·9	0	0	4	0	0	0	0	1	1	1	1	27	0
	1130	..	..	..	..	21·4	19.7	18·9	21·8	86	..	6·0	..	1·8	0	1	10	0	0	1	1	3	3	2	1	20	0
	1730	..	..	..	..	19·7	18·7	18·2	20·9	91	..	6·5	..	1·8	0	0	11	0	0	1	0	2	0	7	1	20	0
Chainpur	0830	..	..	..	..	21·9	20·9	20·4	24·0	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	22·7	21·2	20·5	24·1	87	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Angbung*	0830																										
	1730																										
Barahakshetra	0830	146	1001·5	985·2	..	27·0	25·4	24·7	31·2	88	..	6·5	..	0·3	0	0	3	0	0	1	0	0	1	1	0	28	0
	1130	,,	1000·8	984·6	..	28·4	26·0	25·0	31·7	83	..	7·1	..	1·5	0	0	12	0	0	0	0	0	11	1	0	19	0
	1730	,,	998·2	982·1	..	28·3	26·1	25·2	32·0	84	..	6·0	..	0·4	0	0	4	0	0	0	0	0	2	2	0	27	0
Tista Catchment																											
Gangtok	0830	1812	1442·4	814·6	..	18·9	18·2	17·8	20·4	93	..	7·5	..	0·4	0	0	4	3	1	0	0	0	0	0	0	27	0
	1130	,,	1437.8	814·4	..	20·6	19·3	18·7	21·5	89	..	7·1	..	0·4	0	0	5	0	2	0	2	1	0	0	0	26	0
	1730	,,	1420·1	812·7	..	20·0	18·8	18·2	20·8	89	..	7·6	..	0·3	0	0	3	0	0	0	0	1	2	0	0	28	0
Geyzing	0830	..	..	..	..	20·7	19·9	19·5	22·7	93	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	20·7	19·7	19·3	22·4	92	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

*Thermometer broken hence data not available

MONTHLY MEANS OF UPPER WINDS

During the month, observations of velocity and direction of upper winds were made at 54 stations in India. Out of these, at 39 stations all the observations were taken by means of pilot balloons and at 14 stations some observations were made by means of pilot balloons while the other observations by the radiowind method. In the case of Bangalore, the observations were taken by following radiosonde balloon by means of an optical theodolite. Particulars of these stations, their co-ordinates and the approximate times of the regular pilot balloon and rawin ascents at each station are given in the table overleaf. All radiowind ascents have been indicated by means of an asterisk (*) against the scheduled hours.

Data from ascents made at the scheduled time or within two hours on either side of the scheduled times of regular observations have been used for averaging.

Data upto 9·0 km. a.m.s.l. are given under Table IV and data above 9·0 km. a.m.s.l. under Table V.

In Table IV and V :

n=represents the number of observations;

V=represents the mean wind speed in metres per second irrespective of direction;

v=represents the resultant mean velocity in metres per second;

D=represents the direction of the resultant mean wind in degrees East of North.

Means and resultant winds are given in this publication for the following heights :

Surface, 0·15 km. a.g., 0·3, 0·6, 0·9, 1·5, 2·1, 3·0, 3·6, 4·5, 5·4, 6·0, 7·2, 9·0, 10·5, 12·0, 14·1, 16·2, 18·0, 21·0, 24·0, 27·0, 30·0, 33·0 and 36·0 km. a.m.s.l. Of these, the levels 1·5, 3·0, 5·4, 7·2, 9·0, 12·0, 14·1, 16·2, 18·0, 21·0, 24.0, 27·0 and 30·0 km. a.m.s.l. are considered as the best approximations to the standard pressure levels 850, 700, 500, 400, 300, 200, 150, 100, 70, 50, 30, 20 and 10 mb. respectively.

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS IN INDIA

S. No.	Station	Lat. N.	Long. E.	Height of anemometer head a.m.s.l. in metres	Date of opening**	Approximate times of flight (I. S T.)			
1	Agartala	23°53′	91°15′	17	28th November, 1951	0530		1730	2330
2	Ahmadabad	23°04′	72°38′	61	19th May, 1928	0530*	1130	1730*	2330
3	Allahabad/Bamhrauli	25°27′	81°44′	103	28th February, 1930	0530*	1130	1730*	2330
4	Ambala	30°23′	76°46′	279	18th March., 1928.	0530	1130	1730	2330
5	Anantapur	14°41′	77°37′	365	12th February, 1946	0530		1730	2330
6	Asansol	23°41′	86°59′	135	29th May, 1942	0530		1730	2330
7	Aurangabad/Chikalthan	19°51′	75°24′	583	7th October, 1951	0530		1730	2330
8	Bahraich	27°34′	81°36′	134	1st October, 1961	0530	1130	1730	
9	Bangalore	12°58′	77°35′	936	19th May, 1915	0530@	1130	1730@	2330
10	Bareilly	28°22′	79°24′	181	12th January, 1943	0530		1730	
11	Begampet	17°27′	78°28′	543	1st September, 1929	0530		1730	2330
12	Bhagalpur	25°14′	86°57′	61	19th May, 1950	0530		1730	
13	Bhopal/Bairagarh	23°17′	77°21′	532	17th February, 1955	0530		1730	2330
14	Bhubaneshwar	20°15′	85°50′	54	5th December, 1942	0530		1730	2330
15	Bhuj/Rudramata	23°15′	69°48′	90	14th September, 1937	0530		1730	2330
16	Bikaner	28°00′	73°18′	229	18th October, 1946	0530		1730	2330
17	Bombay/Santa Cruz	19°07′	72°51′	27	14th May, 1933	0530*	1130	1730*	2330
18	Calcutta/Dum Dum	22°39′	88°27′	13	14th May, 1921	0530*	1130	1730*	2330
19	Cochin/Willingdon†	09°56′	76°14′	13	16th March, 1942	0530		1730	2330
20	Dehra Dun	30°19′	78°02′	692	1st October, 1938	0530		1730	
21	Dibrugarh/Mohanbari	27°29′	95°01′	112	1st June, 1948	0530	1130	1730	2330
22	Gadag	15°25′	75°38′	650	3rd May, 1943	0530		1730	2330
23	Gangtok	27°20′	88°37′	1764	1st May, 1963	0830		1730	
24	Gauhati.	26°05′	91°43′	55	11th March, 1955	0530*	1130	1730*	2330
25	Gaya	24°45′	84°57′	119	19th March, 1937	0530		1730	2330
26	Goa/Dabolim	15°23′	73°49′	23	1st July 1965	0530		1730	2330
27	Gopalpur	19°16′	84°53′	24	15th February, 1946	0530		1730	2330
28	Gorakhpur	26°45′	83°25′	83	5th January, 1943	0530		1730	
29	Gwalior	26°14′	78°15′	208	7th May, 1938	0530	1130	1730	2330
30	Imphal/Tulihal	24°46′	93°54′	782	29th March, 1943	0530	1130	1730	2330
31	Jabalpur	23°10′	79°57′	402	30th July, 1928	0530		1730	2330
32	Jagdalpur	19°05′	82°02′	562	25th March, 1948	0530		1730	2330
33	Jaipur/Sanganer	26°49′	75°48′	403	6th June, 1953	0530		1730	2330
34	Jamshedpur	22°49′	86°11′	144	23rd July, 1942	0530		1730	
35	Jharsuguda	21°55′	84°05′	240	1st May, 1944	0530		1730	2330
36	Jodhpur	26°18′	73°01′	229	15th October, 1934	0530*	1130	1730*	2330
37	Lucknow/Amausi	26°45′	80°53′	133	28th November, 1950	0530		1730	2330
38	Madras/Minambakkam	13°00′	80°11′	29	8th April, 1926	0530*	1130	1730*	2330
39	Mangalore/Bajpe	12°55′	74°53′	104	4th June, 1928	0530		1730	2330
40	Minicoy	08°18′	73°00′	15	14th April, 1941	0530	1130	1730*	2330
41	Nagpur/Sonegaon	21°06′	79°03′	316	23rd April, 1943	0530*	1130	1730*	2330
42	New Delhi/Safdarjung	28°35′	77°12′	227	16th November, 1929	0530*	1130	1730*	2350
43	Poona	18°32′	73°51′	593	5th January, 1925	0530		1730	2330
44	Port Blair	11°40′	92°43′	95	13th March, 1926	0530*	1130	1730*	2330
45	Raipur	21°14′	81°39′	308	15th July, 1944	0530		1730	2330
46	Raxaul	26°59′	84°51′	83	28th October, 1957	0530		1730	
47	Srinagar	34°05′	74°48′	1595	1st August, 1962	0530*		1730*	
48	Tiruchchirappalli	10°46′	78°43′	96	22nd June, 1936	0530		1730	2330
49	Trivandrum	08°29′	76°57′	73	8th December, 1928	0530*	1130	1730*	2330
50	Udaipur	24°35′	73°42′	587	24th June, 1947	0530		1730	2330
51	Vengurla	15°52′	73°38′	8	20th November, 1941	0530		1730	2330
52	Veraval	20°54′	70°22′	17	13th October, 1941	0530		1730	2330
53	Vijaywada/Gannavaram	16°32′	80°48′	32	1st April, 1957	0530		1730	2330
54	Vishakhapatnam	17°43′	83°14′	10	24th September, 1928	0530*	1130	1730*	2330

*Radio wind ascents.

@Radiosonde ascents followed by optical theodolite.

†Naval Meteorological Office.

**Refers to date from which data are available

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 km. above mean sea level

July, 1965 (Asadha 10—Sravana 9, 1887 Saka)

Station	AGARTALA												AHMADABAD											
Time in I.S.T.	0530				1730				2330				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	2·6	2·1	141	31	2·6	2·0	175	31	2·4	1·9	146	31	2·9	2·5	261	31	3·3	2·4	244	31	3·3	2·7	25
0.15 a.g.	23	6·8	5·9	146	29	5·7	4·5	175	28	7·3	7·1	173	31	6·5	5·6	262	30	7·0	5·5	241	31	6·8	5·7	26
0·3 a.m.s.l.	23	8·2	6·9	166	29	6·7	5·3	178	28	8·6	8·3	184	31	7·0	6·0	269	30	7·0	5·5	240	31	7·1	5·9	27
0·6 "	23	9·3	7·4	175	29	7·9	6·4	180	28	9·6	9·3	186	31	8·0	6.9	281	28	7·1	5·6	245	31	7·4	6·1	27
0·9 "	23	9·3	7.2	178	28	8·2	6·6	183	28	8·8	8·1	190	31	8·9	7·5	281	23	7·7	5·6	257	31	7·9	6·1	27
1.5 "	21	8·8	6.5	184	26	7·9	5·7	175	24	7·0	5·6	191	31	7·9	5·6	269	12	7·2	4·2	254	31	7·9	5·7	26
2·1 "	20	8·2	6·1	162	23	8·6	6·0	171	20	6·0	4·1	197	31	6·8	3·6	261	5	5·6	1·8	318	31	8·6	5·3	26
3·0 "	12	6·9	4·2	119	18	7·7	4·8	168	7	4·0	3·6	215	31	7·2	2·2	278					31	8·4	2·9	27
3·6 "	8	7·6	5·3	142	8	6·6	3.4	172	2	2·5	1·8	224	31	7·3	1·7	333					31	8·4	1·8	34
4·5 "	5	10·0	7·6	127	3	3.0	2·4	152					31	6·8	1·3	024					31	6·7	2·8	32
5·4 "	3	11·0	7·7	141	3	3·0	2.6	146					31	6·1	2·1	080					31	6·2	1·6	04
6·0 "	3	10·3	8·7	145	2	4·5	3.0	106					31	7·3	2·4	081					31	6·7	1·5	06
7·2 "					1	9·0	9·0	075					31	7·6	4·3	089					31	7·7	3·5	09
9·0 "					1	14·0	14·0	085					31	9.1	6·2	105					31	8·6	6·0	10

Station	AHMADABAD				ALLAHABAD/BAMHRAULI																AMBALA			
Time in I.S.T.	2330				0530*				1130				1730*				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	3·3	2·7	244	31	1·3	0·5	100	31	2·2	0·2	231	31	2·3	0·2	292	31	1·7	0·5	111	31	2·1	1·0	12
0·15 a.g.	28	7·6	6·3	239	31	7·9	2·2	188	30	5·8	0·1	180	31	6·4	0·9	087	29	10·2	1·3	140	27	7·2	3·2	11
0·3 a. m. s. l.	28	8·7	7·6	240	31	8·0	2·2	186	30	5·9	0·3	157	31	6·3	0.9	092	29	8·2	1·3	140	27	3·5	1·5	11
0·6 "	28	10.9	9·4	248	31	8·6	2·1	218	30	5·8	0·5	230	31	7·3	1·0	083	29	9·5	2·1	148	27	8·1	3·4	13
0·9 "	25	11·1	9·6	256	31	8·6	2·0	236	27	6·3	0·5	247	31	6·9	0·8	143	27	9·3	1·5	175	27	8·0	2·9	14
1·5 "	22	10·0	8·0	250	31	7·9	1·2	232	23	7·9	0·4	062	31	7·9	1·2	175	26	8·1	1·6	221	26	7·2	1·1	15
2·1 "	16	7·3	2·7	256	30	8·7	0·6	250	17	7·9	0·8	291	30	8·4	1.4	207	21	7·7	0·7	220	21	6·8	1·2	30
3·0 "	13	7·2	0·6	128	30	7·1	0·8	127	12	8·0	2·7	303	30	7·7	0·2	149	15	5·3	1·9	139	14	6·5	3·5	32
3·6 "	2	7·5	3·2	182	29	7·2	1·2	118	8	7·6	3·9	287	28	7·8	0·9	130	5	5·8	4·3	095	10	5·8	1·5	31
4·5 "	1	9.0	9.0	100	29	7.0	2·0	102	4	3·0	0·8	222	28	7·5	1·4	080	1	3.0	3·0	070	9	6·3	2·4	26
5·4 "					29	7·3	2·2	131	3	3·0	0·6	109	26	7·6	2·1	080					6	2·7	1·9	15
6·0 "					29	6·7	2·7	135	3	3·3	1·3	083	26	6·8	2·2	097					6	4·1	2·4	17
7·2 "					28	7·1	3.3	121	1	4·0	4·0	043	26	7·1	3.2	080					4	4·8	3·6	19
9·0 "					28	7.5	4·9	100	1	11·0	11·0	086	25	7·4	5.3	095					3	5·9	2·5	18

TABLE IV--MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

July, 1965 (Asadha 10—Sravana 9, 1887 Saka)

tation	AMBALA												AMINI											
ime in I. S. T.	1130				1730				2330				0530				1730				2330			
lt. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
urface	31	2·5	0·6	128	31	2·3	0·5	073	31	1·3	0·6	006												
.15 a.g.	28	5·7	2·0	136	31	5·2	1·8	064	29	6·1	0·9	092												
·3 a.m.s.l. . .	28	3·1	0·9	131	31	3·3	0·6	077	29	3·2	0·5	123												
.6 ,, ...	28	6·5	2·0	132	31	5·8	0·8	056	29	6·2	0·6	087												
·9 ,, ...	27	7·4	1·9	114	31	6·0	0·8	087	28	5·5	1·2	151												
·5 ,, ...	23	7·2	1·9	137	28	5·7	0·3	278	28	5·7	0·9	209												
·1 ,, ...	20	7·3	0·9	086	21	6·1	1·6	271	23	5·6	0·5	338												
·0 ,, ...	16	6·8	1·2	170	14	4·9	1·2	009	16	5·6	1·7	259												
·6 ,, ...	13	8·3	0·8	067	12	3·8	2·6	095	15	4·7	1·2	324												
·5 ,, ...	6	5·8	1·8	103	10	4·7	1·7	224	7	3·9	0.5	175												
.4 ,, ...	4	3·0	0·6	124	7	4·1	2·2	330	4	4.2	2·8	178												
.0 ,, ...	3	5·0	3·0	165	6	4·7	2·6	278	2	3·0	2·3	184												
·2 ,, ...	2	4·0	2·5	255	4	5·8	4·3	312	2	8·0	7·9	177												
·0 ,, ...					3	5·0	2·2	286	2	10·5	10·3	170												

tation	ANANTAPUR												ASANSOL											
ime in I. S. T.	0530				1730				2330				0530				1730				2330			
lt. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
urface	31	4.3	4.1	263	31	9·3	8·8	272	31	7·2	7·0	264	31	1·5	0·6	134	31	2·0	0·7	150	31	2·2	0·9	145
·15 a.g.	31	9·0	8·8	257	31	13·0	12·9	268	31	12·9	12·2	256	24	6·0	2·4	208	28	5·6	2·9	147	27	6·9	3·5	160
·3 a.m.s.l. . .													24	6·5	2·9	216	28	5·8	2·9	145	27	7·0	3·4	159
·6 ,, ...	31	10·5	10·3	258	31	13·2	13·1	266	31	13·4	13·2	256	24	8·4	3·6	234	28	7·1	3.3	138	27	8·2	4·2	158
·9 ,, ...	31	15·0	14·8	266	31	13·2	13·1	266	31	14·8	14·5	262	23	10·0	4·7	257	27	7·6	3·2	142	27	8·4	3·8	157
·5 ,, ...	27	16·7	16·7	276	26	12·2	12·1	269	29	16·0	15·9	273	20	9·6	3·9	305	24	8·6	2·1	164	22	7·2	2·3	169
·1 ,, ...	21	13·9	13·5	281	12	9·7	9·5	275	24	12·3	11·9	280	16	7·6	0 7	308	18	7·9	1·5	211	18	6·2	1·7	157
·0 ,, ...	14	11·6	11·1	280	4	7·5	7·3	278	11	9·5	9·0	284	9	5·8	1·9	310	13	7·2	3·1	164	11	6·6	2·0	257
·6 ,, ...	11	9·0	8·6	271	2	6·0	5·3	294	4	6·5	6·1	275	7	5·3	0·4	221	6	7·8	4·7	047	7	5·3	2·8	145
·5 ,, ...	8	6·6	5·4	293	2	7·5	5·9	290	1	4·0	4·0	291	4	5·2	1·5	266	4	5·7	1·4	168	2	7·0	6·2	130
·4 ,, ...	5	4·8	2·8	288	1	11·0	11·0	290	1	3·0	3·0	307	2	4·5	4·3	130	3	5·3	1·8	113				
·0 ,, ...	5	4·6	2·0	285	1	13·0	13·0	294	1	4·0	4·0	210	2	4·0	4·0	111	2	4·5	3·1	063				
·2 ,, ...	3	3·0	2·8	058									2	6·0	5·7	127	1	6·0	6·0	092				
·0 ,, ...	3	7.0	6·1	074									1	13·0	13·0	090	1	11·0	11·0	100				

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 km. above mean sea level

July, 1965 (Asadha 10—Sravana 9, 1887 Saka)

Station	AURANGABAD/CHIKALTHAN												BAHRAICH											
Time in I. S. T.	0530				1730				2330				0530				1130				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	4·0	3·9	264	31	6·8	6·2	271	31	4·9	4·8	267	31	1·7	0·6	116	31	3·3	2·1	093	31	2·2	1·4	0
0·15 a.g.	28	8·1	7·7	260	31	10·4	9·6	267	29	9·8	9·4	262	27	8·2	5·4	115	29	6·8	4·2	115	31	7·6	3·5	1
0·3 a.m.s.l.													27	8·6	5·5	115	29	6·8	4·8	106	31	7·0	3·7	1
0·6 ,,													26	11·8	6·2	123	29	8·4	5·6	115	31	8·1	4·2	1
0·9 ,,	28	10·9	10·6	264	31	10·3	9·8	268	29	13·3	12·3	263	24	13·4	7·1	123	26	9·5	5·3	115	31	8·3	4·4	1
1·5 ,,	23	15·7	15·5	268	28	12·9	12·4	267	29	16·2	15·7	265	20	12·7	7·7	113	18	9·5	1·6	098	24	8·5	4·2	1
2·1 ,,	11	16·5	16·1	273	12	10·0	9·8	275	17	15·1	14·6	271	10	11·0	6·6	108	7	13·9	6·9	108	13	9·2	3·2	1
3·0 ,,	1	2·0	2·0	268	1	4·0	4·0	256	4	10·3	9·9	268	1	7·0	7·0	116	2	29·0	29·0	112	4	7·3	5·2	1
3·6 ,,	1	7·0	7·0	260									1	5·0	5·0	126					1	7·0	7·0	1
4·5 ,,													1	3·0	3·0	064					1	4·0	4·0	1
5·4 ,,													1	2·0	2·0	186					1	2·0	2·0	1
6·0 ,,													1	4·0	4·0	239					1	3·0	3·0	1
7·2 ,,													1	4·0	4·0	253					1	5·0	5·0	2
9·0 ,,																					1	4·0	4·0	2

Station	BANGALORE																BAREILLY						
Time in I.S.T.	0530@				1130				1730@				2330				0530				1730		
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v
Surface	31	4·9	4·6	257	31	5·9	5·8	266	31	5·6	5·3	263	31	5·0	4·8	263	31	1·5	0·7	086	31	1·5	0·5	08
0·15 a.g.	21	10·0	9·9	261	30	8·3	8·1	262	29	10·4	10·1	264	30	8·9	8·8	259	30	6·7	3·0	100	30	5·9	1·9	00
0·3 a.m.s.l.																	30	6.0	3·4	096	30	5·4	1·7	06
0·6 ,,																	28	10·3	4·4	136	30	7·1	2·5	05
0·9 ,,																	27	11·1	3·5	135	30	7·7	1·9	0
1·5 ,,	20	13·9	13·7	271	26	10·9	10·8	266	29	11·0	10·9	268	30	12·7	12·6	270	24	10·0	2·8	127	27	7·9	2·7	1
2·1 ,,	15	14·8	14·4	281	13	11·5	11·2	269	28	11·9	11·6	268	23	13·3	12·9	261	22	10·1	3·1	103	21	8·8	2·5	1
3·0 ,,	12	10·3	9·3	291	5	7·2	6·9	271	19	10·8	10·5	281	13	7·9	6·6	285	20	9·7	4·1	099	18	8·2	1·5	1
3·6 ,,	12	9·0	8·0	288	3	8·0	7·4	274	17	7·9	7·5	278	11	6·6	5·9	274	14	8·6	4·9	094	16	6·8	1·1	08
4·5 ,,	10	7·4	5·3	292	3	7·3	2·7	282	13	6·8	6·0	277	4	5·7	3·2	318	9	7·7	1·8	105	11	6·0	1·6	07
5·4 ,,	7	5.3	2.6	285	3	8·0	6·4	289	10	6·5	4·3	278	1	4·0	4·0	025	6	7·3	2·1	069	9	4·8	1·2	02
6·0 ,,	6	5.7	3·1	236	3	7·3	5·7	308	8	6·0	3·0	262	1	3·0	3·0	065	4	6·7	6.1	091	8	8·6	1·9	01
7·2 ,,	5	5·0	2·1	071	3	7·3	5·8	293	7	2·6	0·5	138	1	6·0	6·0	100	4	8·3	4·2	097	4	4·3	1·3	18
9·0 ,,	2	5·5	3·7	087	1	9·0	9.0	095	5	6·0	4·4	099					4	7·5	4·7	097	2	7·5	5·1	13

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 km. above mean sea level

July, 1965 (Asadha 10—Sravana 9, 1887, Saka)

Station	BEGAMPET												BHAGALPUR								BHOPAL/ BAIRAGARH			
Time in I. S. T.	0530				1730				2330				0530				1730				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	4·8	4·6	263	31	5·6	5·1	264	31	5·2	4·9	258	31	2·5	1·7	103	31	2·3	1·9	094	31	4·6	4·0	251
0·15 a. g.	24	9·7	9·5	261	29	10·1	9·4	264	25	10·4	10·1	260	26	5·8	3·3	121	30	5·4	4·1	087	25	9·6	7·6	244
0·3 a. m. s. l.													26	7·0	3·2	135	30	5·7	4·3	093				
0·6 ,,	24	7·4	7·3	261	29	8·6	8·0	264	25	7·5	7.2	259	26	8·3	3·3	155	29	6·5	3·3	101	25	7·9	6·2	241
0·9 ,,	24	13·6	13·2	271	29	11·1	10·5	267	25	13·0	12·8	267	24	8·8	2·7	149	28	6·9	2·9	125	25	11·7	9·4	262
1·5 ,,	23	17·4	17·1	282	27	13·3	13·0	271	24	15.5	15·2	275	19	7·9	2·0	119	27	7·5	2·5	148	13	11·5	8·2	298
2·1	17	14·9	14·4	284	26	13·2	12·9	276	22	14·9	14·2	279	17	7·8	2·9	102	24	7·8	2·0	148	10	6·9	3·4	358
3·0 ,,	11	11·2	10·4	279	18	14·9	14·7	282	8	9·0	8·1	270	10	6·1	3·8	125	13	6·2	1·3	228	9	7·4	3.5	031
3·6 ,,	7	11·0	10·1	284	10	11·8	11·5	287	2	4.0	4.0	278	6	4·2	2.3	130	9	4·4	0·5	165	4	10·5	1·6	037
4·5 ,,	2	8·0	6·3	281	2	9·0	9·0	279					6	3·7	2·5	144	6	3·8	1.1	235	3	9·6	8·0	064
5·4 ,,					1	10·0	10·0	290					6	3·0	2·7	159	5	3·6	1·2	112	1	15·0	15·0	084
6·0 ,,													5	1·8	0·9	160	5	2·8	1·9	125	1	15·0	15·0	090
7·2 ,,													4	3·0	1·5	138	3	3·3	3·1	132	1	20.0	20 0	070
9.0 ,,													3	6.3	6.3	105	1	12·0	12·0	090	1	49·0	49·0	030

Station	BHOPAL/BAIRAGARH								BHUBANESHWAR												BHUJ/RUDRAMATA			
Time in I. S. T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	5·4	4·2	260	31	4·3	3·1	251	31	4·0	2·4	229	31	5·4	3·9	208	31	4·4	3·2	218	31	3·7	3·2	255
0·15 a. g.	26	8·5	7·0	246	27	8·6	6·0	244	23	6·8	5·4	238	27	8·3	5·9	205	24	7·6	5·4	220	29	8·2	7·3	248
0·3 a. m. s. l.									23	7·8	6·3	249	27	7·5	5·0	215	24	8·1	5·3	231	29	9·0	8·1	248
0·6 ,,	26	7·7	6.2	248	27	7·6	5·3	240	23	8·8	7·1	267	27	8·0	4·9	233	24	9·7	6·3	243	29	10·9	9·6	253
0·9 ,,	26	9·2	7.1	261	27	10·6	7·9	259	23	10·4	8·6	278	25	8·4	5·2	260	20	9·1	6·6	267	27	11·0	9·5	254
1·5 ,,	25	11·4	7·6	269	25	10·0	7·6	269	32	10·6	8·5	290	22	9·1	6·4	287	18	9·1	7·2	283	18	9·6	7·1	238
2·1 ,,	18	8·7	5·3	284	19	7·5	4·6	278	16	9·0	7·9	280	20	8·7	7·1	280	15	7·9	6.7	284	15	9·9	2·3	217
3·0 ,,	10	9·1	3·4	335	12	6·3	2·8	328	12	8.3	6·3	270	10	7·8	6·2	280	6	6·3	4·4	264	7	5·7	1·3	061
3·6 ,,	7	8·4	3.9	011	6	7·0	2·8	330	7	7.3	4·5	262	6	8·2	6·5	286	1	5·0	5·0	351	6	8·5	4·7	047
4·5 ,,	3	11.0	10·1	058					6	5.7	4.3	273	2	10·0	6·7	306					4	11·7	10·3	025
5.4 ,,	2	8.0	7.9	096					5	4·8	2·6	272									1	17·0	17·0	015
6·0 ,,	1	3·0	3·0	117					4	5·0	2·0	334									1	1·0	1·0	270
7·2 ,,									2	4·5	4·5	072												
9·0 ,,									2	6·0	6·0	055												

6—10 D.D.G. Obs Poona/68

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 km. above mean sea level

July, 1965 (Asadha 10—Sravana 9, 1887 Saka)

Station	BHUJ/RUDRAMATA								BIKANER												BOMBAY/ SANTACRUZ			
Time in I. S. T.	1730				2330				0530				1730				2330				0530*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . . .	31	6·5	6·0	240	31	4·1	3·6	242	31	1·9	1·1	231	31	2·1	1·0	237	31	2·3	1·9	222	31	6·3	5·8	25
0·15 a.g. . . .	31	11·1	10·7	241	30	9·1	8·3	242	27	8·6	4·4	236	25	5·5	1·8	232	29	8·7	4·7	207	30	10·1	9·0	23
0·3 a. m. s. l. . .	31	10·6	10·2	240	30	9·4	8·5	244	27	6·6	3·2	236	25	4·9	1·8	233	29	6·9	3·9	208	30	10·2	10·1	23
0·6 „ . .	31	10·5	9·6	245	30	9·7	8·7	247	27	10.4	5·5	243	25	5·7	1·7	203	27	9·7	5·3	213	29	11·2	11·1	24
0·9 „ . .	30	10·6	9·4	247	30	9·5	8·6	247	27	9·9	6·4	238	25	5·7	2·1	205	27	9·3	4·5	220	29	12·1	11.9	24
1·5 „ . .	23	7·8	5·1	263	20	7·3	3·9	223	25	6·0	2·2	233	25	6·2	1·3	217	23	5·3	0·3	063	26	12·1	11·9	24
2·1 „ . .	15	5·7	0·8	341	16	6·2	1·8	124	22	5·1	1·2	071	21	6·5	0·4	337	21	4·1	2·1	052	26	10·8	10·6	24
3·0 „ . .	10	6·7	3·7	045	13	6·6	4·9	069	21	6·1	2·2	057	15	5·9	1·6	031	15	5·8	3·8	040	26	9·8	9·3	24
3·6 „ . .	1	9·0	9·0	055					18	6·6	2·7	073	12	5·4	2·5	024	5	8·2	7·0	056	26	9·6	7·7	25
4·5 „ . .	1	9·0	9·0	066					14	5·6	2·9	088	9	6·5	3·5	009	2	6.0	5·9	010	26	7·8	5·4	26
5·4 „ . .	1	9·0	9·0	076					9	5·8	4·5	077	6	8·2	4·7	015	1	3·0	3·0	235	25	6·2	3·1	26
6·0 „ . .	1	8·0	8·0	075					8	5·9	1·8	089	4	6·7	5·6	010	1	4·0	4·0	160	25	5·7	0·7	21
7·2 „ . .									5	5·0	0·9	053	3	5·0	2·9	003					25	5·2	3·1	06
9·0 „ . .									2	5·5	3·1	012	1	12·0	12·0	245					25	9·4	8·4	07

Station	BOMBAY/SANTACRUZ												CALCUTTA/DUMDUM											
Time in I. S. T.	1130				1730*				2330				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . . .	31	6·4	5·3	247	31	6·4	5·6	253	31	5·7	5·1	250	31	1·9	0·9	161	31	2·7	1·4	161	31	2·6	1·7	15
0·15 a. g. . . .	26	11·1	10·4	238	31	9·6	9·0	238	27	9·9	9·3	240	31	6·6	2·9	185	30	6·3	3·3	172	31	6·7	4·6	16
0·3 a. m. s. l. . .	26	12·1	11·5	243	31	10·3	9·8	240	27	10·9	10·4	246	31	8·0	3·6	203	30	7·0	3·3	173	31	6·8	4·5	17
0·6 „ . .	25	13·0	12·4	245	30	11·7	11·1	245	26	12·1	11·7	249	31	9·6	4·2	221	29	7·6	3·3	182	31	7·1	4·4	17
0·9 „ . .	21	13·5	12·9	252	28	11·6	11·1	250	17	13·0	12·1	256	31	9·1	3·4	225	23	6·2	2·4	226	31	7·1	4·0	17
1·5 „ . .	6	11·8	11·6	253	27	11·3	10·9	248	5	11·0	11·0	248	31	8·4	2·2	208	8	9.7	7·2	303	31	6·7	2·9	17
2·1 „ . .	2	14·0	13·8	266	27	11·0	10·8	248	1	11·0	11·0	240	31	7·4	1·9	190	7	8·6	6·5	292	31	7·1	2·9	17
3·0 „ . .					27	9·9	9·4	248					31	7·3	2·4	172	1	5·0	5·0	285	31	7·6	2·3	19
3·6 „ . .					27	10.2	8.7	255					31	7·6	2·4	168					30	8·6	1·8	17
4·5 „ . .					27	9.5	7.2	258					31	7·0	2·6	153					30	7·8	2·2	12
5·4 „ . .					26	7.2	3.9	247					31	6.8	2·8	129					30	8·0	2·8	12
6·0 „ . .					26	6.4	2.4	218					31	7.0	3.3	123					30	7·2	2·5	10
7·2 „ . .					26	5.5	2.2	052					31	6·9	4.3	117					30	7.6	4.7	10
9·0 „ . .					26	8.4	6·7	070					30	9·5	8.3	107					30	8.6	6·9	09

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

July, 1965 (Asadha 10—Sravana 9, 1887 Saka)

Station	CALCUTTA/ DUMDUM				COCHIN/WILLNGDON†												DEHRADUN							
Time in I.S.T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . . .	31	2·1	1·4	154	31	1·1	0·2	297	31	3·4	3·0	294	31	0·8	0·6	281	31	0·5	0·2	327	31	1·1	0·5	245
0·15 a. g. . . .	30	6·9	4·7	184	28	4·5	2·1	296	27	5·1	4·5	295	28	4·3	2·4	297	18	2·2	0·2	304	27	2·7	0·6	291
0·3 a. m. s. l. . .	30	8·6	5·6	184	28	5·5	4·2	291	27	6·2	5.5	292	28	5·3	4·2	293								
0·6 ,, . .	29	9·6	6·3	190	28	8·3	7·6	287	27	9·1	8·5	295	28	7·6	7·3	291								
0·9 ,, .	26	9·1	5·4	193	28	10·3	9·9	288	27	10·8	10.3	298	28	10·6	9·9	294	18	2·3	0·4	246	27	2·6	0·8	284
1·5 ,, . .	23	9·0	4·0	191	27	12·2	11·8	292	26	12·9	12·3	302	28	12·2	11·6	298	18	2·8	0·8	277	27	2·4	1·2	250
2·1 ,, . .	16	7·9	1·5	260	25	13·6	13·2	296	23	13.1	12·6	305	26	11·8	11·4	300	16	4·4	2·9	276	22	3·1	1·3	185
3·0 ,, . .	10	5·7	0·6	268	16	13·3	13·0	292	17	11·9	11·2	295	15	11·6	10·8	297	9	7·0	4·0	285	16	4·4	1·5	165
3·6 ,, . .	1	12·0	12·0	115	7	6·9	6·5	279	14	12·0	10·9	291	9	8·9	8·1	290	4	10·5	6·1	323	9	4·5	2·4	175
4·5 ,, . .	1	12·0	12.0	105	2	9·0	8·7	277	5	5·0	1·6	308	4	5.3	3·7	294	3	9·3	6·7	301	3	5·3	3·8	331
5·4 ,, . .	1	9·0	9·0	110	1	6·0	6·0	255	2	4·0	1·1	101	1	3.0	3.0	035	1	16·0	16.0	298	3	4·6	4·4	328
6·0 ,, . .	1	11·0	11·0	105													1	18.0	18.0	295	3	5·0	4·6	280
7·2 ,, . .	1	13.0	13·0	090																	2	11.5	10·8	261
9·0 ,, . .	1	7.0	7.0	080																				

Station	DIBRUGARH/MOHANBARI																GADAG							
Time in I.S.T.	0530				1130				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . . .	31	1·1	0·3	064	31	1·1	0·7	046	31	1·4	1·1	070	31	1·2	0·8	065	31	6·3	5·8	240	31	8·2	7·8	263
0·15 a. g. . . .	15	4·5	1·9	257	25	2·5	1·8	048	30	3·7	2·7	069	16	3·2	3·1	059	31	13·3	13·2	246	28	13·5	13·4	256
0·3 a. m. s. l. . .	15	4.7	1.7	105	25	2·7	1·7	050	30	3·9	2·8	076	16	3.0	2.2	052								
0·6 ,, . .	15	4.5	1·9	157	25	2.7	0.6	069	30	3·9	2.5	082	16	2·7	1·9	065								
0·9 ,, . .	15	4·4	1·7	197	22	3·5	0·6	216	28	3·6	1·5	091	16	2·7	1·9	088	31	15.1	14.8	257	28	14.3	14.1	260
1·5 ,, . .	12	5·5	2·7	226	20	4·2	2·1	214	28	4·0	1·2	194	16	2·9	1·6	228	25	18.2	18.0	267	27	15.6	15.5	267
2·1 ,, . .	7	8·1	4·8	242	15	4·5	2 6	202	24	4·9	3·5	210	15	3·3	1·3	163	19	17.4	17.3	273	22	14·7	14·4	274
3·0 ,, . .	5	4·0	1·8	155	11	4·8	3·5	184	20	5·7	4·6	209	12	4·6	4·0	234	13	13·5	13·0	276	13	10·4	10.0	280
3·6 ,, . .	2	5·5	4·9	131	8	7·4	4·9	190	14	5·6	3·6	215	7	4·4	3·7	216	8	11.0	10·3	275	8	9·4	8·9	265
4·5 ,, . .					1	9·0	9·0	141	10	5·1	3·1	233	1	5·0	5·0	209	6	10·5	10·3	269	6	5·5	4·5	255
5·4 ,, . .									5	5·2	2·9	222					5	5·0	4·5	261	5	5·0	4·2	270
6·0 ,, . .									5	4·8	2.7	199					4	4·5	4·0	272	5	4.6	3.0	263
7·2 ,, . .									1	2·0	2.0	199					3	5·0	2·4	262	4	4.0	3.3	091
9·0 ,, . .									1	5·0	5·0	094									4	9.7	9.1	075

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

July, 1965 Asadha 10—Sravana 9, 1887 Saka)

Station	GADAG				GANGTOK								GAUHATI*											
Time in I.S.T.	2330				0830				1730				0530*				1130				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . . .	31	6·3	5.8	243	31	0·3	0·3	027	31	0·2	0·2	173	31	0·8	0·6	049	31	2·3	1·2	020	31	1·4	0·4	350
0·15 a. g. . . .	28	11·6	11·4	251	12	2·0	1·5	360	12	2·7	1·9	183	31	3·3	1·8	046	29	3·5	2·1	023	31	3·8	0·7	342
0·3 a. m. s. l. . .													31	3·3	1·7	050	29	3·8	1·9	039	31	3·9	0·6	325
0·6 ,, . .													31	3·8	1·4	077	29	4·4	1·7	064	31	4·3	0·6	315
0·9 ,, . .	28	13·5	13·3	258									31	4·7	1·3	114	28	5·1	1·7	126	31	5·0	0·2	268
1·5 ,, . .	24	16·9	16·7	270									31	4·7	1·0	160	27	6·0	2·3	165	31	6·0	1·7	210
2·1 ,, . .	19	13·4	13·2	281	12	1·7	1·4	324	12	2·7	1·9	174	30	5·6	2·2	190	25	7·1	3·4	160	30	6·2	3·0	205
3·0 ,, . .	15	11·2	10·9	279	12	2·0	0·2	132	9	2·2	0·8	137	30	5·6	2·0	188	16	7·4	4·1	137	30	6·8	2·5	209
3·6 ,, . .	7	9·1	9·0	268	9	2·4	1·7	095	5	2·4	1·9	082	30	5·4	1·9	206	13	6·0	3·3	130	30	5·8	2·7	202
4·5 ,, . .	3	6·3	6·2	271	8	3·9	2·0	076	2	5·0	4·9	086	30	5·1	1·9	207	6	4·0	2·6	234	30	5·2	3·0	193
5·4 ,, . .	1	2·0	2·0	305	5	4·0	3·6	106					30	5·7	2·1	167	6	4·0	2·5	220	30	5·0	2·0	190
6·0 ,, . .	1	2·0	2·0	295	4	3·8	3·2	109					30	4·9	1·8	189	5	3·0	2·1	154	30	4·5	2·0	203
7·2 ,, . .					2	6·5	5.5	135					30	5·5	2.6	139	4	3·7	1·4	159	30	4·1	2·1	140
9·0 ,, . .					1	11·0	11·0	141					30	6·2	3·9	112	3	5·3	5·1	110	30	6·1	3·7	19

Station	GAUHATI				GAYA												GOA/DABOLIM							
Time in I. S. T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . . .	31	1.4	0·1	19	30	3·0	0·6	144	31	3·2	0·9	115	31	3·1	1·7	123	17	8·5	7·6	248	17	7·9	7·4	24
0·15. a.g. . . .	28	2·9	0 7	246	29	6·4	1·7	199	29	5.2	1·8	086	27	6·7	3·5	140								
0·3 a. m. s. l. . .	28	3·2	1·1	266	29	6·7	1·9	212	29	5·5	1·8	085	27	6·7	3·7	145	11	9·9	9·6	257	12	9·5	9·3	25
0·6 ,,	28	3·9	1·0	276	29	8·8	2·8	238	29	5·9	1·9	095	27	7·8	4·1	148	11	12·2	11·8	260	12	10·7	10·6	26
0·9 ,, . .	27	4·5	0 9	231	29	9·0	2·1	247	28	6·7	1·3	097	27	7·7	3·5	153	9	13·9	13·5	264	12	12·7	12·4	26
1·5 ,, . .	25	6·0	1·3	209	26	9·0	2·3	305	26	7·6	0·8	250	26	7·7	2·0	185	5	8·0	7·9	267	5	9·6	8·7	27
2·1 ,, . .	24	6·2	1·9	202	22	8·4	1·5	339	23	7·9	1·6	260	23	7·3	1·6	234	3	12·2	12·1	280	2	8·5	8·4	28
3·0 ,, . .	13	6·9	3·3	202	11	5·6	1·2	225	16	9·6	2·2	300	15	5·6	0·4	263								
3·6 ,, . .	5	5·2	3·5	204	7	4·9	0·2	236	15	8·7	1·7	302	5	3·6	0·6	095								
4·5 ,, . .	2	3·5	2·0	194	6	4·5	2·4	112	7	6·9	0·5	346												
5·4 ,, . .	1	4 0	4·0	220	5	5·4	5·0	115	7	6·4	0·9	048												
6·0 ,, . .	1	3 0	3.0	180	4	6·5	6·0	112	5	5·8	3·1	107												
7·2 ,, . .					4	12·5	9·7	102	4	7.8	7·5	092												
9.0 ,, . .					3	14·3	14·3	097	2	9·0	8·5	088												

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

July, 1965 (Asadha 10—Sravana 9, 1887 Saka)

Station	GOA/DABOLIM				GOPALPUR												GORKHAPUR							
Time in I.S.T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	18	8·3	7·8	238	31	1·8	1·6	223	31	3·7	3·4	212	31	3·0	2·6	223	31	1·1	0·7	085	31	1.1	0·7	092
·15 a. g.					22	7·7	6·8	222	23	11.3	10·9	209	25	9·2	7·9	228	28	6·5	3·8	103	28	4·8	2·8	085
·3 a. m. s. l.	13	8·9	8·5	254	22	7·1	6·5	239	23	9·1	8·5	218	25	9·0	7·6	233	28	7·8	4.5	108	28	5·2	3·2	088
·6 „	13	10·4	10·0	261	22	7·2	6·7	254	23	7·0	6·2	239	25	8.4	6·6	248	27	10.1	5·7	120	28	6·6	3·1	097
·9 „	13	13·9	13.0	274	22	8·5	7·8	263	23	7·1	6·1	261	25	8·7	6·7	260	25	10·9	5·7	121	28	7·6	2·5	108
·5 „	5	9·6	8·2	292	21	12·3	11·3	282	21	9·1	8·3	285	20	9·7	8·3	275	24	12·3	2·5	097	27	9·0	2·9	127
·1 „	1	9·5	9·5	270	18	11·1	9·9	285	18	9·1	7·4	292	13	8·0	7·2	281	20	10·7	1·6	066	22	9·5	3·5	133
·0 „					8	8·3	7·7	269	12	9·6	8·1	270	4	6·0	3·8	279	12	8·8	5·8	098	13	8·5	2·6	155
·6 „					4	6·5	4·7	234	8	9·0	7·4	257					9	7·4	4·3	094	6	7·2	3·2	107
·5 „					2	7·0	5·1	280	4	10·2	7.2	268					3	8·7	6·6	090	3	4·3	4·3	105
·4 „					2	4·5	4·3	266	4	6·3	4·0	240					2	7·5	7·4	121	3	4·3	4·2	089
·0 „					2	5·5	5·5	257	4	3·5	1·2	247					1	8·0	8·0	124	2	6·5	6·1	091
·2 „																	1	10·0	10·0	119				
·0 „																								

Station	GWALIOR																IMPHAL/TULIHAL							
Time in I. S. T.	0530				1130				1730				2330				0530				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	3·1	1·0	260	31	3·3	0·5	266	31	2·7	0·3	325	31	3·0	0·7	182	31	0·7	0·5	067	31	1·4	0·5	173
0·15 a.g.	29	7·3	1·1	266	28	6·3	1·1	265	27	7·3	0·4	074	29	6·8	1·4	190	27	2·7	1·3	083	30	2·5	1·0	176
0·3 a.m.s.l.	29	6·3	0·9	265	28	6.0	0·7	255	27	6·2	0·2	041	29	6·0	1·2	191								
0·6 „	28	10.1	1.7	278	28	7·4	0.5	269	27	7·4	0·6	048	29	9·2	1·6	174								
0·9 „	21	11·2	4·8	279	26	7·9	1·1	310	27	7·9	0·3	047	26	9·8	1·9	211	27	2·6	1·4	079	30	2·5	1·0	176
1·5 „	17	8·3	3·2	302	18	9·1	3·7	322	24	8·7	0·1	200	23	8·0	1·3	252	27	3·6	1.3	166	30	4·2	2·2	171
2·1 „	16	7·3	2·8	328	11	7·9	1·4	255	15	7·7	1·8	104	19	6·1	0·1	060	24	6·1	2·1	194	28	5·7	2·7	183
3·0 „	9	6·0	2·2	065	5	7·2	3·1	342	7	6·3	1·3	013	12	6·2	2·9	037	12	5·0	3·3	236	15	5·6	3·6	146
3·6 „	8	6·5	2·7	057	1	5·0	5·0	026	3	5·3	1·0	221	1	7·0	7·0	170	4	3·7	2·7	199	5	3·6	2·4	211
4·5 „	2	4·5	1·2	205					2	5·5	2·3	303					4	4·0	3·1	171	2	2·0	0·9	110
5·4 „	2	4.5	2·1	168													2	5·0	4·5	120	2	3·5	0·5	068
6·0 „	2	3·0	1·5	222													1	5·0	5·0	150	2	4·0	1·0	060
7·2 „	1	3·0	3·0	131													1	8·0	8·0	115				
9·0 „																	1	12·0	12·0	085				

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

July, 1965 (Asadha 10—Sravana 9, 1887 Saka)

Station	IMPHAL/TULIHAL								JABALPUR												JAGDALPUR			
Time in I.S.T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	2·1	0·4	267	31	1·2	0·5	352	31	1·9	1·4	240	31	2·1	1·3	254	31	1·6	1·2	203	31	1·7	1·6	22
0·15 a.g.	27	3·6	0·6	242	25	2·1	0·3	009	29	7·6	5·2	235	29	6·8	4·4	252	26	7·6	5·3	223	25	7·0	6·6	23
0·3 a. m. s.l. . .																								
0·6 „									29	8.9	6·4	240	29	7·1	4·7	252	26	8·1	5·7	229	25	4·0	3·8	23
0·9 „	27	3·6	0·6	244	25	2·8	0·7	005	27	11·9	8·4	264	29	8·2	5·6	260	26	9·7	6·4	240	25	9·9	9·2	25
1·5 „	27	3·9	1·9	183	25	4·1	1·9	187	23	11·4	7·9	260	26	9·5	6·3	272	26	11·0	7·1	267	20	14·3	13·6	27
2·1 „	22	5·0	3·1	194	24	6·1	2·8	187	14	8·8	4·3	308	18	8·5	5·0	305	19	7·9	4·7	294	13	14·0	12·6	28
3·0 „	16	6·7	4·1	180	11	5·6	3·0	195	11	9·6	2·3	016	9	8·4	3·7	020	9	6·3	1·8	295	5	8·2	6·9	27
3·6 „	11	6·1	2·6	149	9	4·5	2·7	177	4	10·2	8·5	058	5	8·0	4·3	019	5	7·0	4·7	074	5	8·2	6·0	28
4·5 „	8	5·3	2·3	175	5	6·4	4·9	159	1	15·0	15·0	075	2	3·5	3·1	100	3	4·3	1·7	069	2	3·0	1·8	00
5·4 „	4	2·3	1·3	123	2	3·5	2·6	110					1	10·0	10·0	095					1	7·0	7·0	02
6·0 „	4	3·3	2·7	120	1	5·0	5·0	160					1	11·0	11·0	080								
7·2 „	1	4·0	4·0	036																				
9·0 „																								

Station	JAGDALPUR								JAIPUR/SANGANER												JAMSHEDPUR			
Time in I.S.T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	2·1	1·9	230	31	1·6	1·3	224	31	1·8	0·6	288	31	3·2	0·9	302	31	2·0	0·7	276	31	1·5	0·4	1
0·15 a.g.	27	6·7	5·6	248	24	7·0	6·2	230	28	7·7	3·4	287	29	7·5	2·3	275	29	7·7	1·2	295	27	4·3	1·9	2
0·3 a. m. s. l. . .																								
0·6 „	27	4·6	3·8	247	24	4·5	4·1	224	28	8·4	3·9	292	29	7·4	2·2	291	29	8·2	1·4	286	27	4·8	2·0	2
0·9 „	27	7·8	6·7	256	24	8·4	7·3	241	27	11·3	5·2	292	29	7·6	1·3	303	29	9·9	1·3	294	26	8·3	3·2	2
1·5 „	24	9·2	8·0	275	23	10·8	9·5	264	26	9·4	2·5	315	27	7·1	1·3	004	25	8·2	0·5	125	25	9·5	4·6	2
2·1 „	15	10·8	10·4	280	18	11·5	10·9	282	20	6·8	2·9	049	20	7·3	1·4	034	19	6·2	0·6	088	19	9·3	6·5	2
3·0 „	7	13·7	13·4	282	11	9·3	8·9	293	15	5·5	4·1	062	11	6·4	3·6	038	8	5·5	4·0	073	17	8·5	5·0	2
3·6 „	1	8·0	8.0	295	3	6·0	4·7	296	10	6·1	4·6	058	8	5·5	2·5	341	1	4·0	4·0	050	8	5·7	1·9	3
4·5 „	1	6·0	6·0	300					8	6·0	4·5	070	2	2·0	2·0	315					2	6·0	5·3	1
5.4 „									3	8·7	7·9	064	1	4·0	4·0	050					1	2.0	2·0	1
6·0 „									2	7·0	6·9	052	1	4·0	4·0	045								
7·2 „									1	10·0	10·0	085	1	3·0	3·0	287								
9.0 „																								

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

July, 1965 (Asadha 10—Sravana 9, 1887 Saka)

Station	JAMSHEDPUR				JHARSUGUDA												JODHPUR							
Time in I.S.T.	1730				0530				1730				2330				0530*				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . . .	31	2·0	0·1	030	31	2·1	1·2	241	31	3·1	1·5	260	31	2·2	0·9	220	28	3·6	2·7	245	31	3·4	2·6	225
0·15 a. g. . .	27	4·2	1·1	137	24	6·5	3·6	252	27	6·5	3·4	242	24	6·3	3·6	204	28	6·4	4·5	247	28	6·6	4·0	238
0·3 a. m. s. l. . .	27	4·2	1·1	150	24	5·0	2·9	252	27	5·8	3·4	247	24	5·3	2·8	197	28	6·4	4·4	247	28	5·9	4·0	246
0·6 ,, . .	27	5·9	2·3	179	24	8·9	5·1	267	27	7·7	4·4	248	24	8·8	5·8	235	28	7·7	5·7	240	28	5·9	3·1	224
0·9 ,, . .	26	6·3	2·4	190	22	11·3	6·8	273	27	8·2	4·6	250	24	10·5	7·1	249	28	8·4	6·0	239	28	5·9	4·0	218
1·5 ,, . .	21	6·0	1·9	217	17	12·2	8·9	272	25	8·9	4·2	261	23	10·0	5·9	263	28	7·6	2·9	226	25	6·2	1·6	215
2·1 ,, . .	13	5·8	1·9	233	13	11·4	8·7	298	20	9·2	3·1	295	14	9·1	4·6	275	28	6·4	0·2	037	16	7·8	4·1	095
3·0 ,, . .	5	7·4	1·8	189	11	8·9	4·8	297	17	8·7	3·3	303	4	4·5	3·2	214	28	5·8	2·5	044	12	6·3	4·8	070
3·6 ,, . .					10	8·5	3·9	307	14	8·0	2·6	305	1	8·0	8·0	191	28	6·7	3·9	042	10	6·7	5·5	072
4·5 ,, . .					4	8·0	4·9	096	9	5·7	1·6	353					28	6·8	4·5	042	9	6·7	6·4	069
5·4 ,, . .					2	8·0	8·0	139	6	5·3	2·5	283					27	6·5	3·8	050	9	5·6	4·7	078
6·0 ,, . .					2	7·5	7·3	139	5	4·4	1·5	282					27	6·1	3·7	051	7	4·9	3·1	087
7·2 ,, . .					2	6·5	6·5	163	4	4·7	1·6	099					27	5·9	3·0	050	6	5·2	3·8	117
9·0 ,, . .					1	10·0	10·0	120	2	8·0	7·2	104					27	7·0	3·4	071	4	8·3	8·1	092

Station	JODHPUR								LUCKNOW/AMAUSI												MADRAS/MINAMBAKKAM			
Time in I.S.T.	1730*				2330				0530				1730				2330				0530*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . . .	29	4·0	2·7	229	31	3.3	2·7	220	31	2·7	1·1	084	31	4·4	1·4	121	31	3·0	1·6	107	31	5·0	4·6	258
0·15 a.g. . .	29	6·1	2·8	248	26	9·2	6·4	223	26	7·1	2·4	109	30	7·7	2·6	114	30	8·3	3·4	118	31	8·1	7·6	262
0·3 a. m. s. l. . .	29	6·1	2·8	248	27	8·1	6·1	226	26	7·4	2·1	120	30	7·8	2·2	117	30	8·8	3·2	123	31	9·1	8·6	265
0·6 ,, . .	29	6·3	3·5	245	26	9·2	6·1	224	26	10·6	2·5	142	30	9·0	2·5	121	29	11·2	4·2	133	31	10.8	10·2	273
0·9 ,, . .	29	6·4	3·9	235	24	8·2	4·7	226	26	11·1	1·8	131	29	9·0	3·0	137	27	10·8	4·2	124	31	11·6	11·1	280
1·5 ,, . .	29	6·7	3·0	230	24	8·2	2·7	222	24	10·3	1·2	070	28	9·1	2·8	143	26	10·2	4·1	134	31	13·1	12·8	288
2·1 ,, . .	29	5·6	0·6	272	22	7·2	1·1	116	22	10·2	1·1	207	23	9·0	2·5	170	22	7·4	0·8	190	31	11·7	11·4	290
3·0 ,, . .	29	5·0	2·1	023	15	7·9	4·9	074	18	10·4	2·2	205	13	8·5	0·8	165	14	7·2	0·8	280	31	10·4	10·1	286
3·6 ,, . .	29	5·7	3·1	026	4	7·3	6·2	033	13	9·4	2·8	299	8	6·9	1·4	310	7	8·1	3·5	292	31	9·9	9·2	284
4·5 ,, . .	29	6·2	3·3	030	1	9·0	9·0	360	12	11·0	3·9	289	2	3·5	1·5	299	2	5·0	3·6	105	31	8·7	8·0	277
5·4 ,, . .	29	5·6	2·2	031					5	7·0	6·8	117	2	3·5	2·9	234	1	3·0	3.0	344	31	8·4	7·4	273
6·0 ,, . .	29	6·0	2·0	022					5	7·6	7·5	109	1	4·0	4·0	195					31	7·0	5·5	276
7·2 ,, . .	28	6·2	1·7	019					4	7·7	5·6	076	1	3·0	3·0	129					31	6.1	2.4	262
9·0 ,, . .	28	6·7	2·5	067					2	9·0	8·5	105									31	6·9	5·1	090

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

July, 1965 (Asadha 10—Sravana 9, 1887 Saka)

Station	MADRAS/MINAMBAKKAM												MANGALORE/BAJPE											
Time in I.S.T.	1130				1730*				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . . .	31	5.0	4·5	268	31	4·5	2·1	222	31	3·8	2·3	210	31	2·3	1·9	268	31	3·3	2·9	275	31	2·2	1·8	[illegible]
0·15 a. g. . .	31	6·9	6·4	265	31	6·3	3·0	222	28	8·2	6·0	223	22	7·1	5·5	256	26	7·3	6·3	257	23	7·0	6·3	[illegible]
0·3 a. m. s. l. . .	31	7·6	7·1	262	31	6·5	3·6	229	28	9·1	7.0	237	22	7.4	6.2	254	26	7·8	7·1	258	23	7·7	7·0	[illegible]
0·6 ,, . .	31	8·5	7·9	265	31	7·4	5·6	255	28	10·1	8·6	250	21	9·0	8·5	263	26	9·5	9·1	266	23	9·9	9·3	[illegible]
0·9 ,, . .	31	9·5	9·1	273	31	7·7	7·3	266	28	10·9	10·1	257	17	11·1	10·8	276	19	11·3	10·9	274	19	11·1	10·7	[illegible]
1·5 ,, . .	30	12·1	11·6	283	31	9·6	9·3	275	28	11·9	11·3	267	9	12·2	12·1	284	11	12·4	11·9	278	11	8·9	8·5	[illegible]
2·1 ,, . .	29	11·9	11·4	284	31	11·5	11·2	285	26	12·1	11·8	275	6	11·2	11·2	285	6	13·7	13·1	288	7	10·9	10·6	[illegible]
3·0 ,, . .	28	11·1	10·7	282	31	12·7	12·3	288	19	11.0	10·5	283	2	4·5	4·4	256	2	4·0	3·8	277	2	5·0	4·1	[illegible]
3·6 ,, . .	23	9·7	9·1	282	31	11·5	11·1	287	5	6·8	5·8	285	1	3·0	3·0	255	2	5·0	4·9	268	1	2·0	2·0	[illegible]
4·5 ,, . .	20	8·5	7·7	280	31	10·1	7·6	284	4	5·5	4·6	303					2	4·5	3·7	230	1	4·0	4·0	[illegible]
5·4 ,, . .	15	6·5	4·9	269	31	8·7	8·0	280	2	4·0	3·2	032					2	5·0	2·3	246				
6·0 ,, . .	13	5·9	3·8	260	31	7·1	5·8	282	1	6·0	6·0	040					2	7·5	5·7	320				
7·2 ,, . .	8	5·6	1·3	282	31	6.2	4·0	287									1	3·0	3.0	010				
9·0 ,, . .	3	7.0	6.3	103	31	6·0	3·7	079									1	12.0	12·0	115				

Station	MINICOY																NAGPUR/SONEGAON							
Time in I.S.T.	0530				1130				1730*				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . . .	31	3·9	3·7	269	31	4·1	3·8	271	31	5·4	5·0	270	31	4·0	3·7	278	31	2·3	2·0	261	31	4.4	3·4	[illegible]
0·15 a. g. . .	30	7·1	6·7	270	31	6·7	6·1	271	31	7·7	7·0	264	31	6·6	6·0	276	31	7·6	6·7	266	31	6·9	5·5	[illegible]
0·3 a. m. s. l. . .	30	7·7	7·3	268	31	7·2	6·6	268	31	8·2	7·5	268	31	7·1	6·6	276								
0·6 ,, . .	30	9·0	8·5	271	31	8·8	8·1	270	31	8·5	7·9	267	31	8·1	7·6	278	31	8·7	7·6	269	30	6.9	5·7	[illegible]
0·9 ,, . .	30	10·2	9·8	278	28	10·4	9·8	275	31	9·1	8·7	275	30	9·2	8·6	283	31	10·2	9·2	281	27	8.2	6·5	[illegible]
1·5 ,, . .	25	11·1	10·7	288	25	11·7	10·9	287	31	10·3	9·5	286	27	9·5	9·0	296	31	10·2	8·8	290	14	9.6	8·6	[illegible]
2·1 ,, . .	20	9·9	9·1	296	17	9·4	8·6	293	31	9·9	9·4	288	22	9·1	8·7	296	31	8·4	6·8	290	8	10·0	7·9	[illegible]
3·0 ,, . .	14	7·1	6·5	287	10	9·5	8·4	270	31	8·9	8·2	283	10	6·5	5·4	288	31	7·9	5·5	291	2	4.5	3·5	[illegible]
3·6 ,, . .	12	7·9	6·3	265	8	8·5	6·4	262	31	8·8	7·8	277	6	4·3	1·8	246	31	6·6	3·8	295	1	4·0	4·0	[illegible]
4·5 ,, . .	9	6·0	3·1	259	4	8·0	5·7	270	31	7·5	5·4	268	4	4.3	3·1	146	31	6·3	2·0	310	1	4·0	4·0	[illegible]
5·4 ,, . .	4	5·5	2·0	021	4	7·0	4·5	274	31	7·3	4·5	269	2	6.5	4.5	137	31	5·7	1·0	335				
6·0 ,, . .	3	6·0	3·9	069	3	7·0	3·1	259	31	8·3	4·8	261	2	5·0	3.1	127	31	6·1	0·6	017				
7 2 ,, . .	3	5·7	3·8	109	1	4·0	4·0	100	31	6·4	1·8	237					31	5·7	2·6	057				
9·0 ,, . .	3	7·3	6·4	101					31	8·3	6·2	090					31	7·0	5·5	095				

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

July, 1965 (Asadha 10—Sravana 9, 1887 Saka)

Station	TRIVANDRAM												UDAIPUR											
Time in I.S.T.	1130				1730*				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	3·4	3·0	319	30	5·1	4·9	308	31	2·5	2·2	325	31	0·9	0·7	239	31	1·4	1·0	240	31	0·5	0·4	222
0·15 a.g. . .	30	6·8	6·1	312	30	8·6	8·5	305	29	6·6	6·1	317	29	4·9	3·6	258	29	5·2	2·9	251	26	5·2	3·5	245
0·3 a.m.s.l. . .	30	7·7	6·4	313	30	9.1	8·7	306	29	7·8	7·1	317												
0·6 ,, . .	30	9·3	8·5	308	30	11·8	11·2	308	29	10·7	10·0	313												
0·9 ,, . .	29	11·0	10·3	305	30	13·1	12·2	310	29	11·8	11·0	307	29	5·6	3·7	266	29	5·7	3.8	248	26	5·7	3·3	254
1·5 ,, . .	17	14·8	13·8	307	30	14·7	14·2	306	22	12·5	12·0	307	29	8·3	3·8	267	26	5·8	3·2	275	25	7·3	5·2	259
2·1 ,, . .	9	15·3	14·6	306	30	13·4	12·7	300	14	12·1	11·4	303	18	6·2	1·9	271	24	6·1	2·5	287	22	5·8	2·2	274
3·0 ,, . .	3	9·3	8·5	311	30	12·2	11·6	292	3	14·0	11·4	304	12	5·8	3·6	031	19	5·7	1·7	297	19	5·3	2·2	072
3·6 ,, . .	3	8·0	5·6	305	30	11·5	10·1	284	1	3·0	3·0	100	10	6·0	3·9	038	11	5·1	1·6	285	12	5·9	3·7	050
4·5 ,, . .	2	5·5	4·7	067	30	9·2	7·5	280	1	8·0	8.0	060	7	6·5	4·0	028	10	5·9	1·7	052	4	8·0	5·4	050
5·4 ,, . .	2	4·0	2·7	012	30	7·7	4·8	269					6	6·1	2·3	045	8	5·0	0·9	310	1	2·0	2·0	336
6·0 ,, . .	2	3·0	1·4	038	29	5·8	2·7	275					5	6·6	2·5	356	6	6·3	1·4	283				
7·2 ,, . .	2	5·5	1·7	077	30	5·8	0·9	008					5	8·4	3·0	029	4	7·0	1·5	050				
9·0 ,, . .	2	8·5	8·4	074	30	9·4	6·7	089					4	11·2	4·2	018	2	7·0	6·9	127				

Station	VENGURLA												VERAVAL											
Time in I.S.T.	0530				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	2·9	2·7	254	31	3·4	3·0	253	31	3·1	2·7	255	31	9·5	8·6	254	31	9·1	8·4	253	31	9·8	8·9	238
15 a.g. . .	24	7·4	7·1	253	26	9·0	8·6	254	28	7·6	7·2	251	30	10·5	8·9	256	28	10·6	10·2	253	30	10·3	9·8	247
3 a.m.s.l. . .	24	8·4	8·3	256	26	10·2	9·9	256	28	8·9	8·4	254	30	11·9	11·0	257	28	11·9	11·5	254	30	11·3	10·8	249
6 ,, . .	24	10·8	10·5	259	26	13·8	13·4	261	26	11·3	10·8	260	30	13·3	12·5	260	24	12·1	11·6	256	29	12·6	11·9	253
9 ,, . .	7	9·3	9·0	262	19	15·8	15·4	260	11	11·7	11·4	268	26	13·2	12·5	263	20	11·5	10·8	257	25	12·0	11·3	255
5 ,, . .					3	15·3	15·2	267	4	9·0	8·9	277	14	10·5	9·1	259	15	9·3	8·6	248	14	8·9	7·8	256
1 ,, . .					1	18·0	18·0	270					8	8·0	5·9	240	12	8·7	5·5	243	11	8·3	6·1	253
0 ,, . .					1	19·0	19·0	265					3	6·3	1·9	104	8	8·3	2·6	254	8	8·4	2·1	283
5 ,, . .					1	15·0	15·0	270					2	5·5	3·6	143	8	8·5	1·8	220	4	12·7	1·7	282
5 ,, . .																	7	7·4	1·4	009	3	6·3	4·5	062
,, . .																	5	6·4	2·9	046	2	12·0	8·6	052
,, . .																	5	7·2	4·5	065	1	9·0	9·0	104
,, . .																	5	8·8	7·3	091				
,, . .																	1	3·0	3·0	126				

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

July, 1965 (Asadha 10—Sravana 9, 1887 Saka)

Station	VIJAYWADA/GANNAVARMA												VISHAKHAPATNAM										
Time in I.S.T.	0530				1730				2330				0530*				1130				1730*		
Ht. in Km	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v
Surface . .	31	3·4	2·7	266	31	5·6	4·8	274	31	3·1	2·6	238	31	3·8	3·5	274	31	3·8	3·2	225	31	3·8	3·1
0·15 a.g. . .	23	8·4	7·5	260	27	7·5	6·6	276	27	7·9	7·3	245	31	8·3	7·7	277	26	8·7	8·2	227	31	6·5	5·2
0·3 a.m.s.l. . .	23	10·3	9·9	270	27	7·9	7·1	280	27	9·4	9·0	254	31	9·5	9·1	270	26	8·7	8·4	232	31	6·9	5·8
0·6 ,, . .	23	13·6	13·1	275	27	8·8	8·2	275	27	11·1	10·9	259	31	11·7	11·4	257	26	8·0	7·8	252	31	8·9	8·0
0·9 ,, . .	22	15·2	14·7	283	27	10·4	9·9	277	27	12·2	12·0	264	31	12·4	11·8	266	26	8·8	8·5	264	31	10·0	9·2
1·5 ,, . .	22	15·1	14·7	289	25	13·2	12·7	279	26	12·9	12·7	273	30	12·9	11·8	281	20	10·6	10·1	281	31	11·4	10·1
2·1 ,, . .	22	12·5	12·1	286	24	14·0	13·2	281	24	11·8	11·4	281	30	11·9	10·3	289	16	11·1	10·3	282	31	11·2	10·1
3·0 ,, . .	20	11·9	11·3	277	18	13·8	13·3	282	22	10·3	10·0	284	29	9·8	7·8	288	8	8·5	6·6	270	31	10·5	9·4
3·6 ,, . .	18	11·3	10·7	270	12	13·1	12·5	288	11	6·6	6·5	297	29	9·4	7·7	282	5	8·8	6·5	277	30	10·4	8·6
4·5 ,, . .	13	9·0	8·2	267	10	10·7	10·2	285	7	5·7	5·4	293	29	9·4	6·9	281	2	6·5	6·5	247	30	10·8	8·4
5·4 ,, . .	9	6·1	4·9	277	6	7·5	6·8	295	1	3·0	3·0	265	28	8·1	4·6	276	2	6·0	5·9	235	29	9·8	6·1
6·0 ,, . .	7	5·6	3·3	259	5	5·8	4·8	295					28	7·8	4·2	277	2	4·0	3·9	243	29	8·6	5·4
7·2 ,, . .	5	4·8	1·7	192	2	4·5	4·5	351					27	7·0	1·9	007	2	4·0	3·1	142	28	7·5	2·3
9·0 ,, . .	3	13·0	8·4	097	2	6·5	6·5	058					25	8·9	5·5	079	1	9·0	9·0	100	28	8·1	4·4

Station	VISHAKHAPATNAM			
Time in I.S.T.	2330			
Ht. in Km.	n	V	v	D
Surface . . .	31	3·5	3·1	255
0·15 a.g. . .	28	7·3	7·0	246
0·3 a.m.s.l. . .	28	8·2	8·0	245
0·6 ,, . .	28	9·9	9·4	250
0·9 ,, . .	25	10·6	9·7	259
1·5 ,, . .	17	10·1	9·3	281
2·1 ,, . .	12	10·5	10·1	284
3·0 ,, . .	4	6·3	5·9	286
3·6 ,, . .	2	5·0	3·2	276
4·5 ,, . .	1	10·0	10·0	240
5·4 ,, . .				
6·0 ,, . .				
7·2 ,, . .				
9·0 ,, . .				

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 Km. above mean sea level

July, 1965 (Asadha 10—Sravana 9, 1887 Saka)

Station	NAGPUR/SONEGAON								NEW DELHI/SAFDARJUNG															
Time in I.S.T.	1730*				2330				0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . . .	31	3·6	3·0	269	31	2·5	2·1	243	31	2.6	0.3	161	31	4·5	0·6	148	31	3·2	1·0	098	31	2.9	0·5	162
0·15 a. g . .	30	6·9	5·9	272	29	8.0	6·6	245	30	7·9	2·9	149	28	6·0	2·1	104	31	6·2	1·6	097	29	8·0	2·9	111
0·3 a.m.s.l. . .									30	6·4	2·8	150	28	5·4	1·9	105	31	4·5	1·4	099	30	6·0	1·4	103
0·6 ,, . .	30	6·6	5·7	243	29	9·2	7·8	256	30	8·8	3·0	160	28	7·5	2·3	105	31	6·3	1·3	093	29	9·2	3·4	126
0·9 ,, . .	30	6.7	5.7	271	27	10.5	9·2	266	30	9·3	2·1	159	28	7·8	1·8	113	31	6·4	0·9	105	26	8·2	3·4	133
1·5 ,, . .	30	8·3	6·7	277	25	10.3	8·4	279	30	9·5	0·5	028	19	8·2	0·8	119	31	7·2	0·7	189	25	8·7	1·7	222
2.1 ,, . .	30	8·9	7·0	285	22	8·6	6·5	291	30	8·3	2·1	032	16	8·3	0·7	161	31	7·2	0·3	012	23	7·7	1·2	202
3·0 ,, . .	30	9·0	6·5	293	11	7·2	4·8	311	30	7·6	1·3	037	7	6·3	5·6	318	31	7·6	1·5	026	13	8·5	1·4	312
3·6 ,, . .	30	8·9	6·3	293	3	4·7	3·1	349	30	7·4	0·7	064	5	5·8	4·5	330	31	7·8	2·2	024	3	10·3	4·8	065
4·5 ,, . .	30	8·3	4·6	306	1	5·0	5·0	315	30	6·4	1·0	044	3	4·0	3·1	292	31	7·5	2·6	010				
5·4 ,, . .	30	7·1	3·0	298	1	3·0	3·0	340	30	6·4	1·0	008	3	5·0	3.8	253	31	6·9	1·4	033				
6·0 ,, . .	30	6·5	1·6	337					30	6·3	0·8	052	3	7.0	2·6	214	31	6·4	0·7	059				
7·2 ,, . .	30	6.0	1·9	045					30	6·5	1·1	156	3	8·0	5·3	234	31	7·4	0·7	297				
9·0 ,, . .	30	7.6	5·6	082					30	6·4	1·6	203	3	5·0	4·2	210	30	6·7	1·5	250				

Station	POONA												PORT BLAIR											
Time in I.S.T.	0530				1730				2330				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . . .	31	3·0	2·9	263	31	7·0	6·7	264	31	5·1	5·0	267	31	7·5	7·5	232	31	7·0	6·5	232	31	7·5	7·3	226
0·15 a. g. . .	26	7·3	7·1	253	31	9·2	9·0	255	29	8·0	7·8	251	30	10·4	10·2	234	30	9·9	9·7	233	30	10·9	10·6	229
0·3 a.m.s.l. . .													30	10·6	10·4	235	30	10·0	9·8	235	30	10.9	10.7	231
0·6 ,, . .	26	3·5	3·4	257	31	5·3	5·2	259	29	4·5	4·4	258	30	12.4	12.0	238	29	12·9	12·1	237	30	12·8	12·4	238
0·9 ,, . .	26	9·7	9·6	254	31	10·8	10·6	257	29	9·9	9·7	253	30	13·1	12·8	246	20	11·7	11·3	239	30	14·5	14·2	240
1·5 ,, . .	11	12·7	12·4	264	18	15·0	14·8	259	15	14·7	14·3	258	30	11.3	10.9	249	10	9·4	7·8	253	30	12·4	11·8	250
2 1 ,, . .	5	11·6	11·4	258	3	14·3	14·0	254	6	17·2	16·9	256	29	10.5	10.1	252	3	5·7	4·9	225	30	10·5	9·6	255
3·0 ,, . .					1	8·0	8·0	254	2	9·5	9·5	262	29	9·9	8·9	258	3	6·0	5·8	241	30	10·1	9·0	255
3·6 ,, . .													29	10·3	9·1	258	1	4·0	4·0	195	30	9·1	8 3	256
4·5 ,, . .													28	9·9	8·3	267	1	3·0	3·0	175	30	8·2	7·2	260
5·4 ,, . .													28	8·2	6·3	273	1	1·0	1·0	152	30	8·5	7·4	265
6·0 ,, . .													28	7·4	4·6	268	1	3·0	3·0	172	29	7.5	5.1	270
7·2 ,, . .													28	5·7	1.4	252					28	5·7	1·9	247
9·0 ,, . .													28	8·7	6.6	075					26	10.2	8.1	073

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

July, 1965 (Asadha 10—Sravana 9, 1887 Saka)

Station	PORTBLAIR				RAIPUR												RAXAUL							
Time in I.S.T.	2330				0530				1730				2330				0530*				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . . .	31	5·2	4·9	242	31	3·1	2·6	229	31	3·3	2·3	237	31	3·1	2·5	220	31	1·9	1·8	093	31	2·5	2·1	0
0·15 a. g. . . .	28	9·2	8·9	238	29	10·4	9·3	246	28	7·5	6·0	236	24	10·1	8·6	230	27	6·7	6·0	100	30	5·1	4·1	0
0·3 a.m.s.l. . .	28	10·0	10·0	239													27	7·5	6·7	105	30	5·2	4·1	0
0·6 ,, . .	28	11·8	11·5	243	29	12·2	10·5	257	28	8·3	6·6	242	24	11·5	9·5	240	27	9·0	7·3	118	30	5·4	4·3	1
0·9 ,, . .	23	11·5	11·1	248	26	14·1	11·4	269	28	9·1	7·4	254	24	11·7	9·2	250	26	9·1	7·3	116	30	7·0	4·3	1
1·5 ,, . .	15	9·6	9·0	253	22	13·7	10·7	286	25	10·4	7·4	272	22	9·5	6·3	273	22	10·2	5·4	108	28	8·0	3·2	1
2·1 ,, . .	12	6·2	5·8	258	17	12·6	10·2	292	19	10·8	8·5	282	19	9·2	5·6	288	14	9·2	8·2	101	25	8·0	3·2	1
3·0 ,, . .	11	5·4	3·9	250	10	9·3	9·6	296	14	10·6	9·6	284	12	5·7	4·3	305	5	8·3	6·7	095	17	5·8	2·2	1
3·6 ,, . . .	3	4·3	4·1	190	9	8·4	4·8	313	6	8·0	7·0	276	8	5·3	3·5	293	8	5·8	4·1	088	14	5·3	1·7	1
4·5 ,, . .	2	4·0	2·0	153	5	7·4	3·7	056	4	7·5	5·7	261	1	10·0	10·0	265	2	4·5	3·9	096	11	4·0	3·5	1
5·4 ,, . .					2	4·5	2·5	252	1	2·0	2·0	099					1	1·0	1·0	065	5	3·6	2·3	0
6·0 ,, . .					2	2·0	1·3	255	1	1·0	1·0	225									4	3·3	1·8	0
7·2 ,, . .					1	3·0	3·0	290	1	2·0	2·0	190									1	6·0	6·0	1
9·0 ,, . .					1	7·0	7·0	110	1	8·0	8·0	056									1	8·0	8·0	0

Station	SRINAGAR								TIRUCHCHIRAPPALLI												TRIVANDRUM			
Time in I.S.T.	0530*				1730*				0530				1730				2330				0530*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . . .	23	0·4	0·2	069	19	0·7	0·5	334	31	5·7	5·6	269	31	8·1	7·8	268	31	7·0	6·7	267	31	2·9	2·6	31
0·15 a.g. . .	23	1·4	0·2	169	19	2·0	1·4	346	30	9·9	9·7	274	31	11·2	10·8	266	31	9·8	9·3	268	31	8·9	8·2	32
0·3 a.m.s.l. . .									30	10·9	10·8	273	31	11·3	11·0	267	31	10·2	9·8	267	31	9·3	8·3	32
0·6 ,, . .									30	14·2	14·0	272	31	12·1	11·9	271	31	12·6	12·4	270	31	10·6	10·0	30
0·9 ,, . .									30	14·2	14·0	272	31	12·6	12·5	271	31	12·3	11·8	276	31	12·1	11·5	30
1·5 ,, . .									30	11·9	11·7	273	31	12·1	11·9	272	31	10·4	9·9	278	31	12·7	12·2	29
2·1 ,, . .	22	1·7	0·7	002	19	2·5	2·0	345	29	10·0	9·8	271	25	11·5	11·1	277	27	9·1	9·0	281	31	12·6	12·1	29
3·0 ,, . .	22	2·4	1·3	350	19	2·6	1·1	311	27	9·3	9·1	279	19	11·9	11·4	279	21	7·5	7·2	288	30	11·1	10·3	28
3·6 ,, . .	23	2·4	0·3	292	19	2·8	0·9	267	26	8·5	8·2	280	13	11·2	10·6	283	17	7·0	6·4	284	30	10·1	9·1	18
4·5 ,, . .	23	3·5	0·3	022	19	3·6	1.4	201	15	8·1	7·6	285	10	10·9	9·7	284	7	6·1	5·2	258	30	7·6	6·0	17
5· ,, . .	23	4·0	0·6	216	19	4·8	1·1	238	11	6·8	6·3	287	3	5·3	1·2	278	3	5·3	5·3	297	30	6·4	3·9	28
6·0 ,, . .	23	5·1	2·0	277	19	6·2	2·4	260	9	8·6	7·2	271	2	5·5	0·5	024	1	3·0	3·0	274	30	5·4	2·9	29
7·2 ,, . .	23	8·0	5·1	274	19	9·8	6·8	266	4	3·3	1·1	183									30	5·8	0·7	00
9·0 ,, . .	22	15·5	13·1	272	19	16·2	14·3	264	2	7·0	6·8	069									30	8·0	6·8	07

RADIOSONDE DATA

During the month, observations of upper air temperature, pressure and humidity were made at 15 stations in India as given in the list below. For detailed description of the instruments used, a reference may be made to the I. M. D. Scientific Notes Nos. 112 and 113 (Volume IX).

LIST OF RADIOSONDE STATIONS IN INDIA

S. No.	Name of Station	Type of Instrument used	Date of starting	Hours of routine observations in GMT during the month	Remarks
1	2	3	4	5	6
1	Ahmadabad	Fan type	20th July, 1961	00 and 12	
2	Allahabad/Bamhrauli . .	Clock type	1st October, 1944	00 and 12	
3	Bangalore	Fan type	10th March, 1961	00 and 12	
4	Bombay/Santa Cruz . .	Clock Type	7th September, 1954	00 and 12	
5	Calcutta/Dum Dum . .	Clock type	13th December, 1946	00 and 12	Fan type used from 13-12-46 to 30-11-47
6	Gauhati	Clock type	22nd July, 1955	00 and 12	
7	Jodhpur	Clock type	17th April, 1946	00 and 12	
8	Madras/Minambakkam . .	Fan type	29th June, 1946	00 and 12	
9	Minicoy	Fan type	12th May, 1963	 12	
10	Nagpur/Sonegaon . .	Fan type	1st October, 1946	00 and 12	
11	New Delhi/Safdarjung . .	Clock type	3rd December, 1943	00 and 12	
12	Port Blair	Fan type	4th December, 1949	00 and 12	
13	Srinagar	Clock type	1st August, 1962	00 and 12	
14	Trivandrum . . .	Fan type	1st July, 1947	00 and 12	
15	Vishakhapatnam . . .	Fan type	8th December, 1946	00 and 12	

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(A) From Ascents at 00 Hours G. M. T.

July, 1965 (Asadha 10—Sravana 9, 1887 Saka)

Standard Pressure Surface mb.	AHMADABAD Surf. Pr. (994 mb.)						ALLAHABAD/BAMHRAULI (987 mb.)						BANGALORE (908 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	p
Surface	31	055	299·6	302	298	296·7	31	098	300·5	306	297	297·0	31	921	292·5	293	291	29
1000	31	003	..	..	..	..	30	−016	..	..	..	..	30	085	..	..	..	.
900	31	929	294·9	299	293	292·1	30	911	297·0	301	293	292·4	30	996	292·0	293	291	29
850	31	1424	292·5	296	291	289·6	30	1409	294·2	298	291	290·0	30	1485	289·9	291	287	28
800	31	1945	289·8	293	287	286·3	30	1934	291·2	294	288	287·6	30	2002	288·1	290	285	28
700	31	3075	285·2	289	283	279·2	30	3065	285·1	289	283	281·2	30	3125	283·5	286	281	27
600	31	4352	278·3	281	274	271.2	30	4342	278·7	282	275	273.8	30	4393	276·2	278	273	27
500	31	5819	271·0	275	267	263·8	30	5813	271·1	275	266	268·8	30	5853	268·4	272	265	.
400	31	7563	261·7	265	259	..	29	7560	262·1	265	258	..	30	7575	257·8	263	253	.
300	31	9719	248·7	256	244	..	29	9716	248·4	252	245	..	30	9692	243·3	245	219	.
250	31	11020	238·9	244	235	..	29	11035	238·8	243	235	..	30	10969	234·1	238	230	.
200	31	12547	227·5	233	222	..	29	12547	228·1	233	223	..	30	12468	223·4	228	219	.
175	31	13423	220·7	228	213	..	28	13446	221·7	228	216	..	23	13347	217·9	219	215	.
150	30	14409	213·8	224	208	..	25	14410	214·2	219	209	..	23	14307	211·7	215	208	..
125	29	15524	206·3	213	199	..	23	15561	207·0	214	201	..	20	15425	206·1	210	199	..
100	25	16851	199·1	207	191	..	17	16882	200·3	209	195	..	19	16763	203·1	207	200	..
80	21	18124	199·6	208	193	..	14	18189	199.8	211	193	..	12	18121	206·1	214	203	..
70	21	18907	203·9	213	195	..	13	18983	201.2	210	196	..	11	18939	209·5	219	205	..
60	19	18832	208·8	217	202	..	11	19903	206.0	219	199	..	8	19882	212·6	226	206	..
50	18	20961	214·2	221	209	..	8	21021	211.3	215	207	..	6	20979	215·0	220	215	..
40	15	22377	220·0	226	215	..	7	22438	218·9	221	217	..	..	..	..	..	..	..
30	9	24210	224·1	229	220	..	7	24171	221·3	225	215	..	..	..	..	..	..	
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

	BOMBAY/SANTA CRUZ (1002 mb.)						CALCUTTA/DUM DUM (999 mb.)						GAUHATI (996 mb.)					
Surface	31	013	299·3	301	298	297·2	31	006	299·5	302	297	298·1	31	049	300·5	303	299	29
1000	31	032	299·2	301	298	297·0	31	−021	299·5	302	297	297·9	30	011	..	..	..	..
900	31	948	294·0	297	291	291·6	31	925	295·6	299	292	293·3	30	936	296·4	302	293	29
850	31	1447	291·1	293	289	289.2	31	1423	293·0	296	290	290·9	30	1433	294·1	302	291	29
800	30	1967	288·4	291	285	286·1	31	1944	290·4	293	287	288·3	30	1955	291·1	298	289	28
700	30	3092	283·9	288	281	279·2	31	3078	284·7	287	281	282·1	30	3087	285·7	292	281	28
600	30	4364	277·3	279	273	272·7	31	4357	278·5	281	275	275·6	30	4365	279·1	283	274	27
500	29	5832	269·9	273	268	..	31	5831	270·8	275	267	..	30	5837	271·9	276	268	26
400	29	7568	260·4	265	253	..	31	7574	260·9	266	257	..	30	7588	263·1	267	256	..
300	28	9713	246·4	253	243	..	30	9716	247·3	253	243	..	29	9756	249·8	254	245	..
250	28	11006	237·1	242	233	..	29	11017	238·1	244	233	..	29	11067	240·9	249	233	..
200	28	12521	225·6	231	221	..	28	12534	226·9	231	221	..	27	12615	231·0	238	225	..
175	22	13384	219·8	225	215	..	27	13414	219·8	224	214	..	27	13519	224·8	232	215	..
150	21	14366	212·9	218	207	..	26	14398	213·4	220	208	..	25	14520	218.2	225	214	..
125	18	15497	204·9	211	197	..	26	15505	206.3	218	201	..	25	15663	210·5	219	205	..
100	16	16834	200.6	208	197	..	26	16797	199.0	203	193	..	23	17027	204·2	210	199	..
80	11	18149	205.2	214	193	..	19	18141	198·6	207	191	..	13	18333	204·2	211	198	..
70	9	18926	207.2	210	201	..	18	18933	201·7	212	193	..	10	19133	207·6	217	202	..
60	8	19897	212.7	217	207	..	17	19859	207·3	223	199	..	10	20086	212·0	219	207	..
50	..	..	..	..	..	..	12	20940	209·3	221	203	..	9	21239	215·5	220	211	..
40	..	..	..	..	..	..	7	22239	210·6	217	207	..	7	22617	220·4	225	217	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..		..	..	..	..

TABLE V—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds above 9.0 km. above mean sea level

July, 1965 (Asadha 10—Sravana 9, 1887 Saka)

Ht. in Km.	n	V	v	D
		AGARTALA		
		1730 hr.		
10·5	1	17·0	17·0	080
12·0	1	17·0	17 0	080
		AHMADABAD		
		0530 hr.*		
10·5	31	10·9	8·9	092
12·0	31	15·2	14·4	097
14·1	29	18·2	16·2	107
16·2	18	19·1	17·2	097
18·0	10	21·3	20·5	109
21·0	5	28·0	27·0	110
24·0	1	37·0	37·0	072
		1730 hr.*		
10·5	31	10·7	8·9	105
12·0	31	15·5	14·6	107
14·1	27	21·8	20·4	106
16·2	20	23·3	22·3	109
18·0	11	24·5	21.1	117
21·0	2	20·5	20·5	110
24·0	1	40·0	40 0	078
27·0	1	40·0	40·0	080
30·0	1	13·0	13·0	065
		ALLAHABAD/ BAMHRAULI		
		0530 hr.*		
10·5	28	9·2	7·3	105
12·0	28	11·5	8·8	099
14·1	12	15·3	13·2	080
16·2	5	22·8	21·9	097
18·0	2	24·0	23·5	090
		1730 hr.*		
10·5	25	9·8	8·1	095
12·0	24	11·8	10·5	102
14·1	12	14·3	13·0	085
16·2	5	20·8	19·4	087
		AMBALA		
		0530 hr.		
10.5	1	9·0	9·0	190
12·0	1	10.0	10·0	184
14·1	1	15·0	15·0	196
16·2	1	3·0	3·0	204
18·0	1	6.0	6·0	304
		1730 hr.		
10·5	3	6·7	1·8	327
12·0	2	4·5	3·0	181
14·1	2	9·5	8·3	167
16·2	1	15·0	15·0	167
18·0	1	13·0	13·0	132
		ANANTAPUR		
		0530 hr.		
10·5	1	15·0	15·0	099
12·0	1	21·0	21·0	108

Ht. in Km.	n	V	v	D
		ASANSOL		
		0530 hrs.		
10·5	1	23·0	23·0	081
		BAHRAICH		
		1730 hr.		
10·5	1	2·0	2·0	290
12·0	1	2·0	2·0	145
		BANGALORE		
		0530 hr.@		
10·5	1	13·0	13·0	105
		1130 hr.		
10·5	1	13·0	13·0	110
		1730hr.@		
10·5	3	12·3	11·5	086
12·0	1	18·0	18·0	105
14·1	1	63·0	63·0	095
		BAREILLY		
		0530 hr.		
10·5	1	11·0	11·0	111
12·0	1	13·0	13·0	099
14·1	1	15·0	15·0	170
		1730 hr.		
10·5	2	8·5	6·5	113
12.0	2	8·5	6·5	102
14·1	2	16·0	13·1	125
16·2	1	22.0	22·0	135
		BHAGALPUR		
		0530 hr.		
10·5	2	8·0	8·0	115
12·0	2	10·0	10·0	102
14·1	2	12·5	12·5	103
16·2	1	17·0	17·0	105
		BHUBANESHWAR		
		0530 hr.		
10·5	1	15·0	15·0	080
12·0	1	15·0	15·0	085
14·1	1	27·0	27·0	109
		BIKANER		
		0530 hr.		
10·5	2	5·5	3·9	043
		BOMBAY/ SANTA CRUZ		
		0530 hr.*		
10·5	23	12·4	11·6	081
12·0	23	17·5	16·6	075
14·1	17	24·9	23·9	080
16·2	10	28·9	28·1	074
18·0	4	26·3	26·0	076
21·0	1	21·0	21·0	070

Ht. in Km.	n	V	v	D
		1730 hr.*		
1 0·5	25	10·9	10·4	075
12·0	25	16·9	15·7	079
14·1	17	26·4	25·6	082
16·2	12	28·7	28·7	079
18·0	2	28·5	28·5	078
		CALCUTTA/ DUM DUM		
		0530 hr.*		
10·5	30	14·0	13·3	094
12·0	28	16·0	15·4	086
14·1	26	20·7	19·4	088
16·2	26	22·8	22·0	089
18·0	17	22·4	21·6	092
21.0	5	16·4	16·3	096
		1730 hr.*		
10·5	29	11·7	10·5	095
12·0	28	14·4	13·0	092
14·1	26	17·9	16·4	090
16·2	25	20·5	19·3	086
18·0	14	20·6	20·0	082
21·0	3	20·0	19·8	094
		2330 hr.		
10.5	1	8·0	8·0	065
12·0	1	7·0	7·0	040
		DIBRUGARH/ MOHANBARI		
		1730 hr.		
10·5	1	7·0	7·0	095
12·0	1	19·0	19·0	080
		GADAG		
		1730 hr.		
10·5	4	13·0	12·7	094
12·0	3	21·3	21·3	094
		GANGTOK		
		0830 hr.		
10·5	1	14·0	14·0	114
12·0	1	16·0	16·0	100
		GAUHATI		
		0530 hr.*		
10·5	29	8·1	4·9	098
12·0	29	10·5	6·6	088
14·1	26	13·5	11·1	083
16·2	21	14·7	13·1	088
18·0	9	18·0	14·5	083
21·0	2	19·0	18·9	083
		1130 hr.		
10·5	2	8·0	7·7	084

Ht. in Km.	n	V	v	D
		1130 hr.		
12·0	1	20·0	20·0	085
		1730 hr.*		
10·5	30	7·6	4·6	080
12·0	28	9·9	6·8	080
14·1	23	13·9	11·8	081
16·2	14	15·1	13·4	087
18·0	11	16·6	15·7	080
21·0	2	16·5	16·5	107
24·0	1	21·0	21·0	114
		GAYA		
		0530 hr.		
10·5	3	16·0	15·9	105
		JHARSUGUDA		
		0530 hr.		
10·5	1	15·0	15·0	095
12·0	1	19·0	19·0	111
		1730 hr.		
10·5	2	19·0	19·0	088
12·0	2	18·5	18·5	101
14·1	2	25·0	25·0	097
16·2	1	31·0	31·0	090
		JODHPUR		
		0530 hr.*		
10·5	26	7·2	3·2	097
12·0	25	8·4	5·2	111
14.1	23	10·7	7·0	097
16·2	14	12·5	10·9	096
18·0	9	16·4	15·8	091
21·0	1	16·0	16·0	075
		1730 hr.*		
10·5	27	7·9	5·3	089
12·0	26	9·8	7·1	101
14·1	19	13·4	11·4	076
16·2	9	12·7	10·9	109
18·0	4	13·5	12·4	081
21·0	1	15·0	15·0	072
24·0	1	20·0	20·0	065
		LUCKNOW/AMAUSI		
		0530 hr.		
10·5	1	11·0	11·0	125
12·0	1	13·0	13·0	125
14·0	1	22·0	22·0	135
16·2	1	17·0	17·0	125

Ht. in Km.	n	V	v	D
		MADRAS/MINAMBAKKAM		
		0530 hr.*		
10·5	31	13·5	12·7	086
12·0	30	22·4	21·7	033
14·1	30	32·1	31·5	083
16·2	24	25·5	25·2	088
18·0	14	17·6	17·4	090
21·0	6	18·8	18·7	096
24·0	2	31·0	31·0	090
		1730 hr.*		
10·5	31	12·1	11·2	085
12·0	31	18·	18.1	085
14·1	28	31·3	30·7	086
16·2	22	22·3	22·0	091
18·0	15	18·3	17·9	091
21·0	5	20·6	20·6	097
		MANGALORE/ BAJPE		
		1730 hr.		
10·5	1	14·0	14·0	120
12·0	1	21·0	21·0	105
		MINICOY		
		0530 hr.		
10·5	2	14·5	14·5	101
12·0	1	24·0	24·0	105
14·1	1	39·0	39·0	085
		1730 hr.*		
10·5	31	13·6	12·6	079
12·0	31	23·8	23·2	079
14·1	29	32·9	31·4	084
16·2	24	24·0	23·3	085
18·0	19	14·7	12·8	087
21·0	13	15·2	14·8	090
24·0	2	22·5	22·5	100
		NAGPUR SONEGAON		
		0530 hr.*		
10·5	31	10·1	8·7	089
12·0	31	13·9	13·8	090
14·1	23	18·	18·0	085
16·2	1	23·9	23·0	083
18·0	4	25·5	23·7	091
		1730 hr.*		
10·5	30	9·9	8·7	093
12·0	30	13·3	12·0	095
14·1	23	18·2	16·8	086
16·2	15	22·9	22·3	082
18·0	6	18·8	18·7	085
21·0	2	13·0	11·1	074

TABLE V—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds above 9.0 km. above mean sea level

July, 1965 (Asadha 10—Sravana 9, 1887 Saka)

Ht. in Km.	n	V	v	D
	NEW DELHI/SAFDARJUNG			
	0530 hr.*			
10.5	30	8·0	1·9	202
12·0	30	7·8	1·2	197
14.1	29	9·8	1·8	152
16·2	29	8·5	5·2	081
18·0	28	11·8	11·3	082
21·0	17	17·2	16·6	085
24·0	7	20·1	19·6	089
27·0	2	19·5	19·3	100
	1730 hr.*			
10·5	30	6·6	1·5	193
12·0	30	9·1	2·6	150
14·1	30	10·1	3·3	112
16·2	30	11·3	8·4	110
18·0	30	12·1	11·0	098
21·0	21	17·3	16·9	094
24·0	3	21·0	20·9	098
27·0	1	22·0	22·0	090
	PORT BLAIR			
	0530 hr.*			
10·5	27	14·7	14·0	066
12·0	27	20·6	19·4	067
14·1	20	28·9	28·4	072
16·2	10	31·5	30·4	078
18·0	2	30·0	29·9	072
	1730 hr.*			
10·5	26	17·2	16·2	059
12·0	26	21·8	20·8	059
14·1	19	32·0	30·8	070
16·2	8	30·0	29·5	082
18·0	1	27·0	27·0	074
	RAIPUR 0530 hr.			
10·5	1	17·0	17·0	090
12·0	1	25·0	25·0	090
	RAXAUL 1730 hr.			
10·5	1	20·0	20·0	076
	SRINAGAR			
	0530 hr.*			
10·5	21	21·8	20·5	264
12·0	18	23·9	23·1	267
14·1	12	23·2	22·5	260
16·2	3	9·0	8·2	289
18·0	1	5·0	5·0	203

Ht. in Km.	n	V	v	D
	1730 hr*			
10·5	19	19·5	18·1	260
12·0	17	20·3	18·7	256
14·1	8	23·1	20·9	259
16·2	1	15·0	15·0	237
	TRIVANDRUM			
	0530 hr.*			
10·5	30	17·7	16·9	082
12·0	30	26·8	26·3	076
14·1	26	30·0	29·2	078
16·2	22	15·8	14·4	091
18·0	11	12·8	11·9	091
21·0	2	24·0	23·9	087
	1130 hr			
10·5	2	12·5	11·7	269
12·0	2	21·0	17·3	086
14·1	2	22·0	22·0	102
16·2	1	17·0	17·0	120
18·0	1	9·0	9·0	015
21·0	1	13·0	13·0	105
24·0	1	24·0	24·0	090
27·0	1	33·0	33·0	080
30·0	1	38·0	38·0	095
	1730 hr.*			
10·5	30	17·6	16·8	080
12·0	29	26·9	25·7	078
14·1	26	34·4	31·5	083
16·2	21	20·2	19·7	088
18·0	14	14·0	12·1	082
21·0	2	12·5	12·5	090
	UDAIPUR			
	0530 hr.			
10·5	3	15·7	2·2	094
12·0	2	18·0	16·5	095
	1730 hr.			
10·5	1	2·0	2·0	079
12·0	1	9·0	9·0	037
	VERAVAL			
	1730 hr.			
10·5	2	10·0	9·7	092
12·0	1	19·0	19·0	110
14·1	1	22·0	22·0	110

Ht. in Km.	n	V	v	D
	VIJAYWADA/GANNAVARAM			
	0530 hr.			
10·5	1	9·0	9·0	085
12·0	1	16·0	16·0	080
	1730 hr.			
10·5	1	10·0	10·0	045
	VISHAKHAPATNAM			
	0530 hr.*			
10·5	24	13·8	11·9	079
12·0	24	17·0	15·7	078
14·1	7	30·9	29·9	079
16·2	3	25·0	17·5	048
	1130 hr.			
10·5	1	17·0	17·0	100
12·0	1	32·0	32·0	095
	1730 hr.*			
10·5	26	12·8	9·3	086
12·0	26	17·2	14·2	079
14·1	9	28·8	28·2	071
16·2	2	25·5	25·5	100
18·0	1	39.0	39·0	095

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(A) From Ascents at 00 Hours G. M. T.

July, 1965 (Asadha 10—Sravana 9, 1887 Saka)

Standard Pressure Surface mb.	JODHPUR Surf. Pr. (975 mb.)						MADRAS/MINAMBAKKAM (1004 mb.)						NAGPUR/SONEGAON (966 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	30	218	301·0	305	297	296·5	31	015	299·7	302	297	295·1	31	311	297·7	298	295	295·2
1000	27	008	..	..	..	..	31	052	299·8	302	298	294·9	31	006	..	..	..	..
900	27	929	297·5	303	295	293·4	31	915	295·4	298	293	289·2	31	933	295·3	298	293	292·8
850	27	1429	295·2	301	292	290·4	31	1473	292.4	295	290	286·5	31	1431	292·7	296	290	290·6
800	27	1955	293·4	299	288	287·1	31	1993	289·5	291	287	284·4	31	1953	289·8	293	287	287·7
700	27	3096	287·4	293	282	279·1	31	3117	282·9	285	280	278·2	31	3083	283·9	286	280	281·4
600	27	4381	279·4	283	273	271·0	31	4381	275·1	278	271	272·2	31	4360	277·6	281	274	275·1
500	27	5851	271·3	276	265	266·0	31	5836	267·9	271	265	..	31	5822	269·7	273	266	..
400	27	7602	262·6	266	259	..	31	7560	258·4	263	255	..	31	7560	260·3	263	255	..
300	27	9760	248·9	253	244	..	31	9680	243·2	247	240	..	31	9698	245·9	249	243	..
250	26	11067	239·5	245	232	..	31	10959	233·6	239	229	..	31	10985	235·8	242	231	..
200	26	12594	228·3	233	221	..	30	12450	222·0	229	216	..	31	12491	224·9	239	219	..
175	24	13486	221·8	227	213	..	30	13296	216·1	222	210	..	27	13342	218·3	227	213	..
150	23	14483	215·8	221	210	..	30	14270	209·6	215	203	..	26	14324	212·3	219	207	..
125	23	15614	208·5	215	201	..	24	15351	203·7	209	197	..	20	15442	206·2	213	202	..
100	19	16952	202·4	212	195	..	22	16696	203·0	210	199	..	18	16782	202·0	206	197	..
80	16	18296	201·9	209	197	..	14	18583	208·5	215	203	..	11	18176	207·3	215	195	..
70	13	19141	208·1	218	203	..	13	18881	212·9	221	205	..	10	18981	210·1	220	197	..
60	9	22297	211·9	222	206	..	9	19855	217.4	223	209	..						
50	6	21194	217·0	223	213	..	7	20987	221.0	227	215	..						
40																		
30																		
20																		
10																		

Standard Pressure Surface mb.	NEW DELHI/SAFDARJUNG (974 mb.)						PORT BLAIR (999 mb.)						SRINAGAR (834 mb.)					
Surface	31	209	301·2	306	298	296·5	31	079	297·8	301	296	296·6	23	1583	290·9	295	287	289·7
1000	31	—022	..	..	..	..	29	069	297·6	299	296	296·0	23	017	..	..	..	..
900	31	910	299·2	305	295	292·5	29	990	294·0	296	291	291·3	23	937	..	..	..	..
850	31	1412	296·5	302	292	289·9	29	1484	291·2	294	289	287·3	23	1427	..	..	..	..
800	31	1938	293·2	298	289	287·4	29	2002	288·7	291	285	283·8	23	1948	290·5	295	285	286·2
700	31	3076	286·1	289	283	280·9	29	3125	283·0	287	278	277·2	23	3077	284·3	289	277	279·7
600	31	4357	279·1	283	272	270.6	28	4389	275·3	280	268	270·4	23	4346	276·0	281	269	272·3
500	31	5828	270·9	276	263	262·6	28	5845	269·	272	267	..	23	5799	267·0	273	257	..
400	30	7576	262·4	268	258	..	28	7567	258·7	265	256	..	23	7518	258·0	262	253	..
300	30	7940	249·8	256	245	..	28	9692	245·1	251	242	..	22	9667	246·7	257	242	..
250	30	1053	240·5	247	234	..	27	11097	235·9	246	227	..	22	10969	239·4	244	235	..
200	30	12593	229·4	236	221	..	27	12478	225·3	235	221	..	19	12484	229·5	235	224	..
175	30	13477	222·7	230	213	..	22	13344	220·0	231	215	..	19	13365	225·4	229	217	..
150	29	14466	215·5	223	205	..	21	14324	213·7	223	208	..	19	14362	217·1	223	211	..
125	29	15599	208·0	216	196	..	14	15455	207.9	214	201	..	18	15500	210·8	217	205	..
100	29	16934	201·0	208	191	..	7	16803	203·1	207	197	..	16	16862	206·6	215	200	..
80	27	18247	201·6	213	191	..							15	18189	204·0	213	194	..
70	23	19060	205·2	213	198	..							14	18995	207·0	213	199	..
60	20	19997	210.3	217	201	..							12	19914	210·0	216	200	..
50	17	21122	215.6	222	206	..							10	21060	213·8	219	205	..
40	9	22577	221.5	225	212	..							7	22473	216·6	222	209	..
30	5	24552	227·6	231	224	..							6	24275	221·8	228	213	..
20																		
10																		

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(A) From Ascents at 00 Hour G. M. T.

July, 1965 (Asadha 10—Sravana 9, 1887 Saka)

Standard Pressure Surface mb.	TRIVANDRUM Surf. Pr. 1 002 mb.)						VISHAKHAPATNAM (998 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	31	064	297·5	299	297	295·5	31	041	300·2	303	298	296·4
1000	31	084	297.4	299	296	295.4	31	016	..	..	..	..
900	31	1005	292·8	295	291	289·0	29	945	295·4	298	293	292·0
850	31	1497	289·9	293	288	285·8	29	1440	292·7	295	289	289·8
800	31	2014	287·5	291	285	281·4	29	1961	289·8	292	287	287·4
700	31	3134	281·9	286	279	275·6	29	3090	283·5	286	281	281·7
600	31	4396	274·9	278	271	269·0	29	4359	277·0	275	281	275·2
500	31	5848	267·6	271	265	..	29	5826	269·5	273	267	..
400	31	7563	256·1	259	252	..	29	7561	260·1	264	256	..
300	31	9661	240·5	246	235	..	29	9700	246·2	252	243	..
250	31	10924	231·1	238	225	..	29	10992	237·0	241	232	..
200	31	12404	219·6	226	212	..	29	12507	227·3	231	220	..
175	28	13247	214·2	218	204	..	19	13361	219·3	224	215	..
150	28	14216	208·8	217	200	..	18	14541	213·2	220	297	..
125	26	15301	202·5	209	196	..	4	15471	208·1	216	205	..
100	26	16642	201·6	206	195	..	13	16828	201·9	211	197	..
80	14	17966	206·4	214	201	..	7	18164	205·4	210	203	..
70	11	18820	209·2	214	205	..	5	18994	207·6	214	206	..
60	8	19785	212·1	217	205	..						
50	8	20929	217·6	220	215	..						
40												
30												
20												
10												

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 Hours G. M. T.

July, 1965 (Asadha 10—Sravana 9, 1887 Saka)

Standard Pressure Surface mb.	AHMADABAD Surf. Pr. (992 mb.)						ALLAHABAD/BAMHRAULI (985 mb.)						BANGALORE (907 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	31	055	305.4	313	299	297·1	31	098	306.1	313	299	297.1	31	921	298.8	304	293	290·3
1000	31	−014	..	..	..	..	31	−037	..	..	..	..	31	055	..	..	..	..
900	31	927	299.2	305	293	292.6	31	904	300.3	307	294	292·0	31	984	297.8	303	287	289.6
850	31	1428	295.6	300	291	290.1	31	1407	296.9	302	291	288.9	31	1482	294.2	299	291	288.5
800	31	1952	292.0	295	289	287·1	31	1934	293.4	297	290	286.3	31	2004	290.3	298	288	286.0
700	31	3087	285.8	290	283	280·4	31	3073	286.7	290	283	280.4	31	3130	283.8	289	281	280.0
600	31	4368	279.2	283	275	272.1	30	4357	279.9	283	275	271.1	31	4400	276.9	282	273	272.5
500	31	5844	271.8	276	268	262.7	28	5833	272.7	277	267	261.3	31	5861	268.8	275	265	..
400	31	7595	262.6	266	258	..	28	7594	263.9	268	261	..	31	7590	258.9	264	254	..
300	31	9754	249.1	255	244	..	28	9737	250.3	254	247	..	31	9716	244.6	248	240	..
250	31	11062	240.0	247	235	..	28	11080	240.7	245	237	..	31	11004	234.9	238	230	..
200	31	12592	228.8	237	223	..	27	12624	230·2	235	226	..	31	12501	223.6	227	219	..
175	31	13475	222.4	230	216	..	22	13509	223.5	229	219	..	22	13361	218.0	222	215	..
150	30	14455	215.0	222	207	..	21	14507	216.3	222	213	..	22	14331	211.6	215	208	..
125	29	15576	207.0	212	198	..	20	15654	209.4	216	203	..	14	15449	206.5	212	203	..
100	26	16915	199·4	206	191	..	18	16988	202.3	209	196	..	13	16780	202.5	206	200	..
80	23	18208	197·8	205	190	..	16	18311	201.0	209	195	..	10	18119	206.0	209	203	..
70	22	19002	203·4	217	193	..	14	19106	203.2	212	195	..	9	18969	208.0	211	204	..
60	18	19898	208·3	215	201	..	12	20025	207.7	214	199	..	9	19886	210.3	215	206	..
50	13	21022	213.1	219	205	..	11	21149	212.8	219	206	..	7	20967	213·0	220	209	..
40	8	22412	215·6	223	209	..	8	22539	218.1	223	213	..						
30							5	24441	219·8	228	215	..						
20																		
10																		

Standard Pressure Surface mb.	BOMBAY/SANTA CRUZ (1002 mb.)						CALCUTTA/DUM DUM (997 mb.)						GAUHATI (993 mb.)					
Surface	31	013	300.5	302	298	297.6	31	06	302.3	306	297	298.5	31	049	302.6	305	300	298.9
1000	31	031	300.4	302	298	297.4	31	−018	301.0	304	297	298.0	30	−007	..	..	..	..
900	31	957	294·3	297	291	292.0	31	916	296.9	300	294	294.0	30	924	29[illegible].9	304	295	294.2
850	31	1451	291.5	295	288	288·9	31	1416	294.1	297	291	291.2	30	1422	295.0	301	293	291.2
800	31	1971	288.8	292	286	286.3	31	1940	291.5	294	289	288.4	30	1946	291.8	295	287	288.8
700	31	3098	284.4	287	281	279.0	31	3077	285.9	289	283	282.2	30	3080	286.2	289	283	282.6
600	31	4372	277.9	281	275	271.8	31	4361	279.5	283	277	274.6	30	4361	279.9	282	276	275.3
500	30	5841	270.9	274	267	..	31	5839	271.9	277	268	266.4	30	5839	272.4	275	269	266.3
400	30	7580	261.4	265	256	..	31	7587	261·7	266	259	..	30	7582	263.0	267	259	..
300	30	9729	247.1	253	242	..	31	9740	247.8	254	243	..	30	9760	250.1	255	245	..
250	29	11035	238.3	243	233	..	29	11037	238.7	244	233	..	30	11072	240.9	248	234	..
200	29	12556	225.9	232	221	..	29	12556	227.3	232	222	..	29	12609	229·2	237	223	..
175	26	13432	219.4	225	214	..	28	13435	220.9	226	216	..	28	13489	222.2	231	215	..
150	23	14409	212.3	219	207	..	28	14415	213.7	220	209	..	26	14496	216.6	224	212	..
125	22	15517	204·3	210	198	..	27	15537	206·3	213	200	..	21	15621	209.2	217	204	..
100	20	16825	200.0	208	195	..	26	16860	199·3	207	194	..	18	16964	201.3	209	195	..
80	10	18155	209.0	216	197	..	20	18145	198·1	204	189	..	13	18266	198.4	207	193	..
70	9	18997	213.2	220	203	..	15	18966	203·5	211	194		10	19042	199.9	208	195	..
60	6	19950	218.8	225	210	..	13	19900	207·8	218	200		7	19966	203.3	205	201	..
50							12	21025	212·3	218	205		6	21060	209.1	212	207	..
40							6	22388	215.5	222	211							
30																		
20																		
10																		

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 Hours G. M. T.

July, 1965 (Asadha 10—Sravana 9, 1887 Saka)

Standard Pressure Surface mb.	JODHPUR Surf. Pr. (974 mb.)						MADRAS/MINAMBAKKAM (1002 mb.)						MINICOY (1009 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	30	218	306·7	313	300	295.8	31	29	305.3	309	300	293.2	31	002	302.3	304	299	297.1
1000	29	−018	..	..	..	..	31	031	305.2	309	300	296·1	31	085	301.3	303	299	296.3
900	29	925	301.0	307	294	293.5	31	968	299.1	302	296	289.9	31	1013	293.7	297	291	290.6
850	29	1432	297.1	303	292	290.9	31	1469	294.6	298	292	287.9	31	1505	291.3	293	289	286.1
800	29	1960	293.5	302	289	286.5	31	1993	290.1	293	288	285.7	31	2023	288.7	292	287	281.2
700	29	3101	287.2	295	283	279.2	31	3119	283.2	286	279	279.0	31	3147	283.5	287	281	273.9
600	29	4391	279.7	283	275	272.0	31	4387	275.8	281	269	272.5	31	4414	276.2	280	273	268.9
500	29	5864	271·4	275	267	267.4	31	5848	268.7	271	264	..	31	5869	268.4	272	264	..
400	28	7617	263.0	266	259	..	31	7574	258.2	261	255	..	31	7588	257.7	262	255	..
300	27	9781	249.4	254	242	..	31	9697	243.8	250	237	..	21	9699	243.2	249	238	..
250	27	11091	241.7	245	233	..	31	10976	234.4	242	229	..	31	10971	233.7	240	229	..
200	26	12637	230.7	237	223	..	31	12475	222·9	231	217	..	31	12460	222·6	227	217	..
175	24	13529	223.0	231	215	..	26	13331	216.5	225	211	..	30	13307	216.4	222	211	..
150	22	14521	215.8	224	209	..	26	14295	209.6	217	203	..	30	14280	210.8	217	205	..
125	18	15654	209.3	219	202	..	26	15382	204.0	212	197	..	27	15381	205.2	212	198	..
100	14	17010	204.4	223	194	..	24	16722	202.6	213	195	..	24	16722	203.0	212	198	..
80	12	18306	202.3	215	196	..	16	18127	206.9	213	200	..	20	18033	204.9	210	200	..
70	10	19107	205.6	213	197	..	12	18853	210·1	215	204	..	18	18865	207.1	213	198	..
60	10	20027	211.9	218	207	..	8	19838	213·0	219	207	..	14	19765	210.0	216	202	..
50	8	21190	215.5	222	210	..	5	20921	215.6	217	214	..	12	20900	213·3	218	207	..
40	6	22588	220.0	227	213	..	..	..	..	..	..	..	5	22283	215.6	221	209	..
30	6	24467	226.2	233	215	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

	NAGPUR/SONEGAON (964 mb.)						NEW DELHI/SAFDARJUNG (973 mb.)						PORT BLAIR (998 mb.)					
Surface	31	311	302·3	307	296	295·5	31	209	306.6	313	299	296.0	31	079	299·8	301	297	296.9
1000	30	−039	..	..	..	..	31	−043	..	..	..	..	30	062	298.8	300	297	296.6
900	30	927	297.6	302	292	292.6	31	902	301.6	307	297	292·7	30	985	294·3	296	293	291·5
850	30	1429	294·0	297	290	291.4	31	1407	298.0	303	292	290.2	30	1480	291·8	295	289	288·4
800	30	1953	290.9	294	287	288·2	31	1935	294.3	299	288	287.5	30	1999	289.1	292	286	284·1
700	30	3086	284·2	287	282	282.4	31	3075	287·5	292	284	280.4	30	3124	283.3	288	280	277·9
600	30	4367	278.4	282	274	275·4	31	4360	280.6	285	277	271.2	30	4392	276.2	281	273	270·5
500	30	5838	271.0	276	268	..	31	5839	272.7	278	270	263.2	28	5852	269.0	273	265	..
400	30	7576	261.2	265	258	..	30	7596	263.5	268	259	..	28	7581	259.5	263	256	..
300	30	9721	247.1	251	242	..	30	9765	250.2	257	247	..	26	9716	245.9	249	241	..
250	30	11016	237.8	243	230	..	30	11079	241.3	248	237	..	26	11007	236.8	241	231	..
200	30	12535	225.6	230	218	..	30	12622	230.4	236	224	..	26	12521	224.8	230	218	..
175	27	13408	218.8	224	211	..	30	13510	224.1	231	218	..	20	13375	218.5	224	211	..
150	27	14391	211.5	217	203	..	30	14506	217.3	225	210	..	18	14343	211.6	219	204	..
125	22	15479	205.3	217	199	..	30	15643	209.4	221	201	..	11	15485	206.6	219	201	..
100	19	16823	200.3	207	195	..	30	16989	202·0	212	195	..	..	..	..	..	..	..
80	11	18131	203·5	212	195	..	30	18306	201.0	207	194	..	..	..	..	..	..	.
70	7	18960	207·4	210	205	..	30	19106	204·4	213	196	..	..	..	..	..	..	..
60	6	19842	211.1	214	209	..	27	20044	210·2	223	204	..	..	..	..	..	..	..
50	..	..	..	..	..	..	21	21178	215·7	229	206	..	..	..	..	..	..	..
40	..	..	..	..	..	..	9	22631	220·1	226	217	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(B) From Ascents at 12 Hours G. M. T.

July, 1965 (Asadha 10—Sravana 9, 1887 Saka)

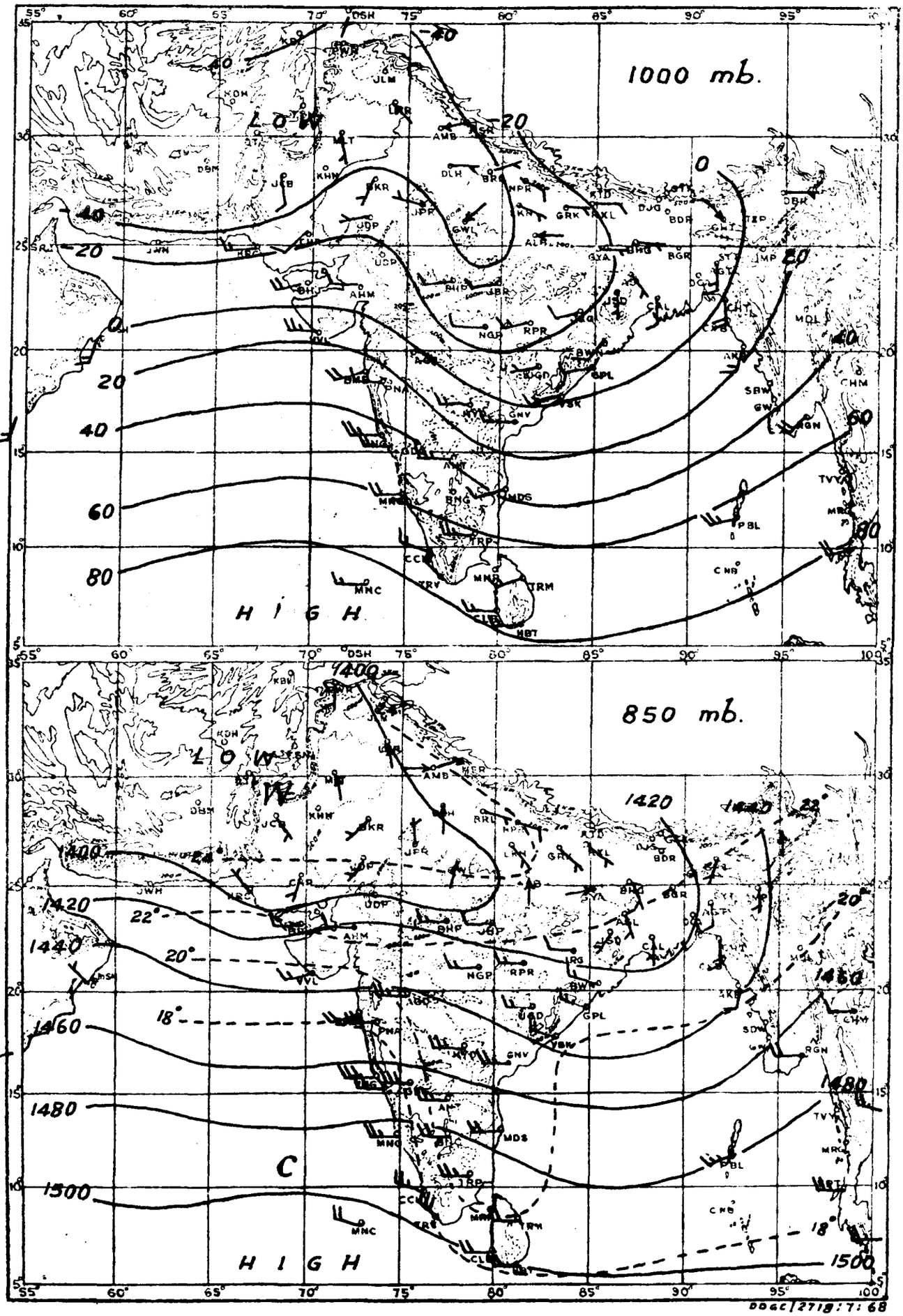
Standard Pressure Surface mb.	SRINAGAR Surf. Pr. (833 mb.)						TRIVANDRUM (1000 mb.)						VISHAKHAPATNAM (997 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	20	1588	300·2	305	295	290·2	31	064	300.8	303	295	296.1	31	041	302.1	308	299	297.4
1000	19	−045	..	..	..	..	31	077	300·9	302	298	296.0	31	−001	..	..	..	..
900	19	905	..	..	..	..	30	1003	293.7	296	290	290.1	31	936	296.5	301	291	291·8
850	19	1414	..	..	..	..	30	1497	291.0	294	289	286.7	31	1435	293.4	297	290	289.6
800	19	1948	297·5	303	291	286·4	30	2016	288.6	292	286	282.1	31	1957	290.2	293	287	287.1
700	19	3099	288·7	294	282	278·1	30	3139	283.4	285	279	276.6	31	3088	284.2	287	280	281.3
600	19	4384	279·4	284	274	271·5	30	4409	276.7	280	273	271·2	30	4361	277.1	281	273	275.1
500	19	5853	269·8	274	264	..	30	5869	268.9	272	266	..	30	5825	269·7	274	265	270·0
400	19	7588	260·7	267	255	..	30	7594	257.9	262	252	..	30	7559	259.8	263	253	..
300	19	9739	248·2	253	243	..	30	9709	242.6	247	239	..	30	9698	245.8	251	239	..
250	17	11046	239·6	244	233	..	30	10981	232.9	238	228	..	29	10990	236.3	241	228	..
200	15	12578	229·4	233	224	..	29	12469	221.5	226	215	..	29	12503	226.0	231	219	..
175	14	13464	223·4	228	218	..	27	13321	215.7	219	211	..	19	13392	221.2	227	217	..
150	13	14450	216·0	221	208	..	27	14291	209.6	214	203	..	19	14382	215.0	223	209	..
125	11	15595	210·7	220	199	..	26	15392	203.2	208	196	..	12	15490	208·5	214	204	..
100	9	16967	206·0	211	200	..	25	16718	202.2	209	197	..	11	16870	202.9	210	198	..
80	8	18333	205·6	214	199	..	22	18047	207.2	220	200	..	7	18224	206.4	211	203	..
70	7	19168	209·6	214	201	..	18	18867	209.1	16	202	..						
60	5	20006	211·6	217	204	..	14	19882	212.3	217	205	..						
50							13	20966	215·8	220	207	..						
40																		
30																		
20																		
10																		

NOTE :—Number of observations refer to those of dynamic height.
Means are not worked out for temperature and dew point for the 1000 mb. surface and for dew point for standard pressure surface with temperature less than 273 A
Means are not worked out for less than five observations at standard pressure surfaces.

IPN—S5—10 D. D. G. Obs. Poona/6825—6-69—260.

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I.Met.D. **JULY 1965** Plate I



RESULTANT WIND —— 5 Knots, —— 10 Knots, —— 50 Knots.

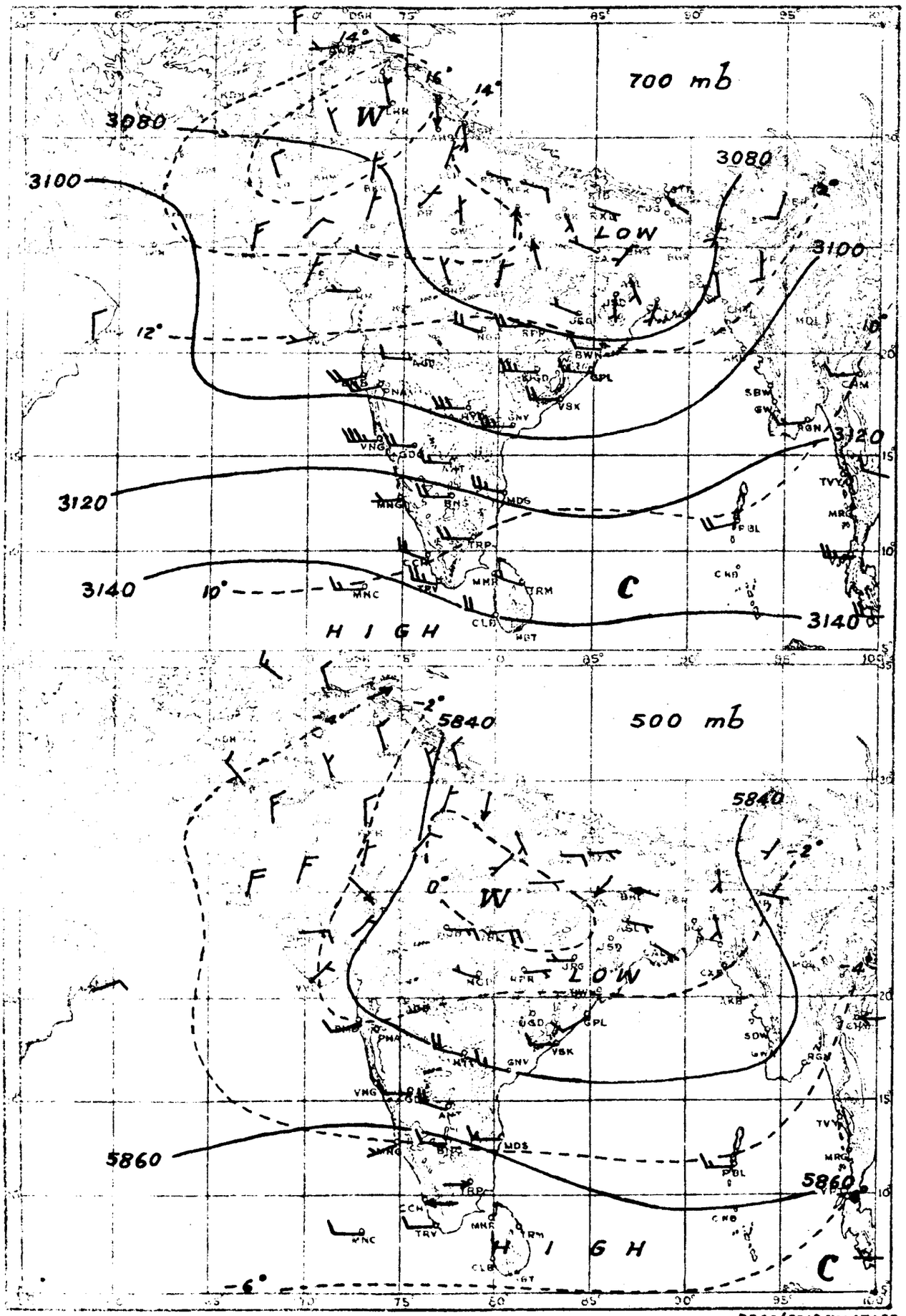
---------- Isotherms in degrees centigrade ———— Contours in geopotential metres.

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I Met D

JULY 1965

Plate II



DOGC/271B(ii):7:68.

RESULTANT WIND — 5 Knots, — 10 Knots, — 50 Knots.

Isotherms in degrees centigrade — Contours in geopotential metres.

G.P.E.D. POONA, 1969

Registered No. MH-75

INDIA WEATHER REVIEW, 1965

Monthly Weather Report

August

Published by authority of the Government of India

Chief features:

(i) Break monsoon conditions for about a fortnight;

(ii) Heavy rains leading to floods in Assam and Sub-Himalayan West Bengal;

(iii) Formation and movement of two Bay depressions.

The depression which was lying centred near Gwalior on 31st July moved northeastwards and weakened into a low pressure area over the central parts of Uttar Pradesh on 1st August. It merged into the seasonal trough of low pressure by the next day. Under its influence, there was good monsoon activity over most parts of the country till 2nd. Some of the noteworthy amounts of rainfall recorded were : Mahabaleshwar 19cm, Aligarh and Honavar 11cm each and Mainpuri, Agra, Khandala and Nancowry 9cm each on 1st and Nautanwa and Mahabaleshwar 12cm each and Baripada 9cm on 2nd.

A low pressure area lay over East Pakistan and Gangetic West Bengal on 1st and 2nd. Later it moved northwards and merged into the seasonal trough of low pressure by 4th. Under its influence, there was good rainfall activity over northeast India during the first week. Sagar Island recorded 14cm of rain on 2nd, Patna 10cm and Burdwan and Jamshedpur 9cm each on 3rd, Dhubri 9cm on 5th, Khonsa 14cm and North Lakhimpur 11cm on 6th, Pasighat 13cm and Cooch Behar 9 cm on 7th, Jalpaiguri 12cm and Cooch Behar 9cm on 8th. The axis of the monsoon trough shifted northwards to the foot of the Himalayas by 6th and remained in that position till the beginning of the third week. Break monsoon conditions prevailed over the country for about a fortnight from the middle of the first week to the middle of the third week when the main rainfall regions were confined to the northern parts of northeast India and to the Peninsula outside the west coast. Some of the heavy rainfalls recorded in northeast India were: Sambalpur 10cm and Cooch Behar 9 cm on 11th, Cooch Behar 18 cm on 12th, Jalpaiguri 12 cm on 14th, Calcutta (Dum Dum) 10 cm on 16th, Baghdogra 9 cm on 17th and Jalpaiguri 13 cm on 19th. According to press reports, most of the rivers in Assam, Sub-Himalayan West Bengal and Bihar Plains were in spate inundating low lying areas and damaging standing crops.

With the shift of the axis of the monsoon trough to the foot of the Himalayas towards the end of the first week, the monsoon current weakened considerably and a trough of low pressure developed along the east coast on 6th. A well marked upper air trough appeared over the south Bay of Bengal on 9th. Moving westwards across the Peninsula, it lay over the east central Arabin Sea off Kerala and Mysore coasts on 11th. Later it moved northwards to Saurashtra and Kutch and became unimportant by 13th. Another upper air trough formed over the Madras State and adjoining southwest Bay of Bengal on 12th. It moved northwestwards and emerged into the east central Arabian Sea off the west coast where it persisted from 13th to 16th. Later it became unimportant. In association with these developments, there was good rainfall activity over the south and northwestern parts of the Peninsula. Some of the noteworthy amounts of rainfall recorded were Tiruchirappalli 8 cm on 6th, Kallakuruchi 12 cm on 7th, Bangalore and Bijapur 9 cm each on 10th, Amini 11 cm on 12th and 23 cm on 13th, Palghat 9 cm on 13th and Malegaon 10 cm on 18th.

The monsoon which was feeble over the country outside northeast India and the south Peninsula since the middle of the first week revived generally during the third week in association with the formation of a depression in the Bay of Bengal. A well marked upper air trough developed over the west central Bay off Andhra coast on 20th. Moving slowly northeastwards, it concentrated into a depression over the northwest angle of the Bay by the evening of 23rd with

"Copyright © 1964 by the Manager of Publications, Govt. of India, Delhi-6".

1 –11 D.D.G. Obs.P./68

centre about 100 kms east of Chandbali. It crossed coast near Balasore in the early morning of 24th and moving northwestwards weakened into a low pressure area over norteast Madhya Pradesh by the next morning. It merged into the seasonal trough of low pressure over Uttar Pradesh by 28th. Under its influence, the monsoon activity not only revived over the entire country but was quite active over the belt extending from Orissa to Gujarat State, and also in Uttar Pradesh. Some of the heavy rainfalls recorded were : Mussoorie 17 cm, Patna 14 cm and Gorakhpur 10 cm on 20th, Dharamsala 12 cm and Honavar 11 cm on 21st, Mahabaleshwar 15 cm, Harnai 14 cm, Nasik 13 cm, Bhira 12 cm and Bombay (Colaba) 10 cm on 22nd, Bombay (Santacruz) 12 cm on 23rd, Najibabad 10 cm on 24th, Calcutta 12 cm, Vishakhapatnam and Bhira 11 cm each and Bankura and Darjeeling 10 cm each on 25th, Satna 17 cm, Bhira 11 cm and Tura and Pendra 10 cm each on 26th, Nowgong 12 cm, Rangiya and Mandvi 11 cm each on 27th and Abu 26 cm, Nautanwa and Udaipur 13 cm each and Bahraich 11 cm on 28th.

Another low pressure area from the east moved into the east central Bay of Bengal on 28th. It intensified and concentrated into a depression by the morning of 31st with centre near Lat. 18·5°N and Long. 90.5°E. Under its influence, the monsoon was particularly active in the Bay Islands, parts of northeast India, in east Madhya Pradesh and northeastern parts of the Peninsula towards the end of the month. Port Blair recorded 14 cm of rain on 29th, Purnea 10 cm on 30th and Chanda 10 cm on 31st.

The total rainfall for the month was in large excess in Sub-Himalayan West Bengal, Marathwada and the Arabian Sea Islands, in moderate excess in Madras State, and in slight excess in south Assam and Rayalaseema. It was normal in the Bay Islands, north Assam, Gangetic West Bengal, Bihar Plains, Saurashtra and Kutch, Konkan, coastal Andhra Pradesh and coastal Mysore. It was in slight defect in Gujarat Region, Madhya Maharashtra, Interior Mysore and Kerala, in moderate defect in Orissa, Bihar Plateau, Uttar Pradesh, Jammu and Kashmir, east Rajasthan, Madhya Pradesh and Telangana and in large defect over the rest of the country.

The mean maximum temperature was above normal in Orissa, Bihar Plateau, Uttar Pradesh, East Rajasthan, Madhya Pradesh, Gujarat Region, Madhya Maharashtra, Marathwada, Vidarbha and Telangana. It was normal over the rest of the country outside Sub-Himalayan West Bengal, where it was below normal. The mean minimum temperature was below normal in south Assam, Sub-Himalayan West Bengal, Bihar Plains, Jammu and Kashmir and normal over the rest of the country.

The mean relative humidity in the morning was below normal in Jammu and Kashmir, east Rajasthan and west Madhya Pradesh and normal over the rest of the country.

The mean cloud amount in the morning was above normal in Madras State and north Interior Mysore. It was below normal in West Uttar Pradesh, Punjab and Rajasthan and normal over the rest of the country.

Table I contains the divisional and sub-divisional means of rainfall, temperature, humidity and cloud amount for the 15 chief political divisions and 32 sub-divisions. The stations whose observations are used for preparing these means are given in the subsequent tables.

The highest maximum temperature given for any station in the accompanying tables is that recorded within the 24 hours ending at 0830 hrs. I. S. T. of the date noted in the succeeding column; similarly the heaviest rainfall in 24 hours for any station denotes the amount recorded during the 24 hours ending at 0830 hrs. I.S.T. of the date given in the succeeding column.

POONA 5, R. ANANTHAKRISHNAN,

the 19th October, 1965. *for* DIRECTOR GENERAL OF OBSERVATORIES.

NOTE : Description in respect of Himachal Pradesh is not included for want of normals.

	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative humidity % 0830 hrs. I.S.T.	Relative humidity % 1730 hrs. I.S.T.	Cloud 0830 hrs. I.S.T.	Cloud 1730 hrs. I.S.T.
1	2	3	4	5	6	7	8	9
Division								
1. Assam (Including NEFA, Nagaland, Manipur & Tripura)	369·0 +19·3	106	30·5 −0·6	23·3 −1·4	87 +2	82	7·1 +0·5	6·0
2. West Bengal	463·7 +86·9	123	31·3 −0·2	24·9 −0·8	86 +1	82	6·2 −0·2	6·5
3. Orissa	239·6 −112·6	68	31·5 +1·1	24·6 −0·9	83 −1	81	6·3 +0·1	6·5
4. Bihar	285·8 −38·8	88	32·0 +0·7	24·2 −1·1	83 +1	78	6·1 0	6·2
5. Uttar Pradesh	205·5 −103·3	67	33·5 +1·4	24·9 −0·7	79 −4	66	4·6 −1·0	4·9
6. Punjab (Including Delhi)* & Himachal Pradesh	83·8 −137·9	38	34·5 −0·6	24·4 −0·9	73 −5	57	3·3 −1·1	3·1
7. Jammu and Kashmir	92·2 −33·1	74	26·3 −0·9	12·9 −2·9	68 −8	55	4·2 +0·2	3·8
Sub-division								
1. Bay Islands	430·0 +16·2	104	29·1 +0·5	22·9 −0·8	85 +1	88	7·1 +0·5	6·9
2. North Assam (Including NEFA)	366.5 +5 2	101	30·8 −0·6	24·2 −0·9	88 +2	81	7·2 +0·7	6·3
3. South Assam (including Nagaland, Manipur and Tripura)	373·3 +44·1	113	30·0 −0·6	21·2 −2·6	85 +1	83	6·8 +0·1	5·6
4. Sub-Himalayan West Bengal	837·7 +285·4	152	30.0 −1.6	24·2 −1·1	82 +4	83	6·8 +1·0	6·2
5. Gangetic West Bengal	327·7 +14·7	105	31·7 +0·2	25·1 −0·7	85 0	82	6·0 −0·6	6·5
6 Orissa	239·6 +112·6	68	31·5 +1·1	24·6 −0·9	83 −1	81	6·3 +0·1	6·5
7. Bihar Plateau	217·9 −125·6	53	31·6 +1·1	24·2 −0·2	80 −3	77	5·8 −0·6	6.5
8. Bihar Plains	322·9 +8·6	103	32·3 +0·4	24·3 −1·8	86 +4	80	6·4 +0·4	6·0
9. Uttar Pradesh (East)	194·5 −107·5	64	33·6 +1·4	25·3 −0·4	80 −5	68	5·3 −0·4	5·3
10. Uttar Pradesh (West)	224·4 −96·0	70	33·4 +1·3	24·2 −1·0	77 −4	63	3·6 −1·8	4·2
11. Punjab (India) (Including Delhi)	83·8 −137·9	38	34·5 +0·6	24·4 −0·9	73 −5	57	3·3 −1·1	3·1
12. Himachal Pradesh.	118·2 ..	..	32·0 ..	17·1 ..	87 ..	67	3·3 ..	4·7
13. Jammu and Kashmir.	92·2 −33·1	74	26·3 −0·9	12·9 −2·9	68 −8	55	4·2 +0·2	3·8
14. Rajasthan (West)	33·6 −66·6	34	36·1 +0·9	25·1 −0·9	73 −2	47	2·5 −1·7	2·5
15. Rajasthan (East)	125·9 −92·5	58	33·0 +1·8	24·1 −0·2	73 −6	58	4·3 −1·2	5·1
16 Madhya Pradesh (West)	173·2 −114·0	60	31·7 +2·5	23·2 +0·1	81 −6	65	5·6 −1·0	6·0

	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative humidity % 0830 hrs. I.S.T.	Relative humidity % 1730 hrs. I.S.T.	Cloud 0830 hrs. I.S.T.	Cloud 1730 hrs. I.S.T.
1	2	3	4	5	6	7	8	9
Division—(*Contd.*)								
8. Rajasthan	79·7 −79·6	50	34·4 +1·4	24·6 −0·5	73 −4	54	3·5 −1·4	3·9
9. Madhya Pradesh	191·5 −147·4	57	31·5 +2·2	23·3 +0.1	81 −5	69	5·8 −0·8	6·4
10. Gujarat State (Including Diu, Daman, Dadra & Nagar Haveli)	143·7 −10·9	93	31.0 +1·1	24·8 −0·1	84 −1	69	5·7 −0·8	4·9
11. Maharashtra State (Including Goa)	264·9 −40·6	87	30·8 +1·3	22·8 0	85 +1	70	5·9 −0·5	6·4
12. Andhra Pradesh	125·0 −9·7	93	33·1 +0·7	24·5 −0·3	80 +3	64	5·8 −0·4	5·8
13. Madras State (Including Pondicherry)	129·1 +43·3	150	33·3 −0·7	24·4 −0·5	74 +5	63	5·7 +1·2	6·2
14. Mysore	219·0 −22·7	91	29·0 +0·5	21·2 +0.2	87 +3	68	6·6 +0·3	6·4
15. Kerala	248·5 −73·2	77	28·8 +0·2	23·5 0	90 +1	82	6·6 +0·1	6·8
Sub-division—(*Contd.*)								
17. Madhya Pradesh (East)	214·8 −189·9	53	31·2 +1·8	23·5 +0·1	81 −4	74	6·2 −0·4	6·9
18. Gujarat Region (Including Daman, Dadra and Nagar Haveli)	170·5 −47·5	78	32·3 +1.5	24·4 −0·1	86 0	66	5·8 −1·0	5·0
19. Saurashtra and Kutch (Including Diu)	128·7 +9·6	108	31·9 +0·8	25.1 −0·1	83 −2	70	5·6 −0·7	4·8
20. Konkan (Including Goa)	438·3 −27·1	94	29·1 +0·3	24·7 +0·2	89 +2	84	6·5 −0·5	6·8
21. Madhya Maharashtra	198·5 −30·9	86	30·8 +1·4	21·4 −0·1	85 +2	65	5·9 −0·2	6·3
22. Marathwada	228·7 −87·6	162	31·3 +1·2	21·8 +0·2	82 0	61	5·6 −0·9	5·7
23. Vidarbha	183·5 −98.4	30	31·8 +1·9	23·0 −0·2	82 −2	67	5·6 −0·9	6·4
24. Coastal Andhra Pradesh	115·1 −9·5	109	33·4 +0·3	25·3 −0·4	80 +4	63	5·9 −0·1	5·9
25. Telangana	141·5 −64·6	70	32·5 +1·9	23·4 −0·4	81 +1	64	5·5 −0.9	6·0
26. Rayalaseema	126·3 +19·0	118	33·2 −0·1	23.9 −0·2	77 +5	52	5·7 −0.3	5 3
27. Madras (Including Pondicherry)	129·1 +43·3	150	33·3 −0·7	24·4 −0·5	74 +5	63	5·7 +1·2	6.2
28. Coastal Mysore	623·4 +11·2	102	28·2 −0·3	23·6 −0·3	89 −1	83	6·9 0	6·6
29. Interior Mysore (North)	107·1 −35·0	75	30·5 +0·9	21·4 +0·3	85 +3	62	6·9 +1·3	6·6
30. Interior Mysore (South)	141·7 −26·6	84	28·0 +0·5	20·3 +0·3	87 +4	66	6·1 −0·5	6·1
31. Kerala	248·5 −73·2	77	28·8 +0·2	23·5 0	90 +1	82	6·6 +0·1	6·8
32. Arabian Sea Islands	304·0 +106·3	154	29·5 +0·1	24·9 −0·3	82 +1	80	5·9 +0·7	6·2

NOTE : -The entries in the second line for each division and sub-division indicate departures from normal.

*Data of Himachal Pradesh is not included.

2—11 D. D. G. Obs. (P.)/68

Sub Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28	29
Bay Islands																													
Maya Bandar	29·4	..	31·0	14	23.9	..	22·3	27	222·6	394·2	..	59·0	30	21	..	13·2	10·2	..	0	25	0	0	8	0	0	0	0	0	0
Long Island	29·9	..	31·9	5	21·9	..	20·7	1,29	164·0	379·4	..	54 6	18	20	..	7·9	4·9	..	0	21	0	0	0	0	0	0	0	0	0
Port Blair	29·1	+0·5	30·6	5	22·9	−0·8	21·3	29	211·9	430·0	+16·2	139·0	29	18	−2·9	18·5	14·1	−7·5	0	22	0	0	2	3	0	0	0	0	0
Car Nicobar	29·5	..	30·6	4,14	23·4	..	21·4	31	101·7	284·8	..	55·3	19	18	..	7·0	4·5	..	0	22	0	0	0	0	0	0	0	0	0
Nancowry	29·4	..	31 4	11	24·3	..	22·1	2	43·0	280·2	..	86·2	1	15	..	10·8	9·0	..	0	19	0	0	5	0	0	0	0	0	0
Kondul	28·3	..	30·6	23	23·5	..	21·7	27	199·2	553·0	..	80·2	4	22	..	..	..	..	0	25	0	0	3	0	0	0	0	0	0
North Assam (Including NEFA)																													
Pasighat	29·2	..	34·7	24	21·4	..	20·1	10,11	370·0	1002.2	..	133·2	7	21	..	4·6	4·2	..	1	23	0	0	0	0	0	0	0	0	0
Dibrugarh (Mohanbari)	30·4	−0·3	34·7	24	23·7	−0·7	21·9	11	119·6	455·9	+4·8	74·6	30	19	+0·3	5·9	5·0	+1·9	1	21	0	1	8	0	0	0	0	0	0
Digboi	31·7	..	36·5	30	22·8	..	20·3	21	150·8	493·2	..	58·8	6	18	..	..	..	..	0	20	0	0	0	0	0	0	0	0	0
North Lakhimpur	30·5	−0·7	34·8	24	23·0	−1·6	21·4	11	70·9	575·2	+47·1	107·1	6	20	+1·0	7·1	5·4	..	0	24	0	0	5	0	0	0	0	0	0
Sibsagar	31·9	+1·3	35·0	24	25·4	0	23·9	11	72·9	290·0	+125.8	77·0	2	13	−5·1	..	..	..	0	20	0	0	8	0	0	0	0	0	0
Gohpur	30·5	..	34·2	24	24·4	..	20·5	18	55·1	236·2	..	42·2	24	13	..	5·0	3·5	..	0	15	0	0	0	0	0	0	0	0	0
Majbat	31·0	..	34·6	1	25·3	..	21·3	8,9	64·1	329·6	..	62·3	1	16	..	6·5	(a) 4·1	..	..	20	0	0	3	0	0	0	0	0	0
Jorhat (Aerodrome)	32·1	..	34·8	31	24·7	..	23·1	24	65·7	281·9	..	93·0	18	10	..	..	..	..	0	20	0	0	10	0	0	0	0	0	0
Tangla	31·1	..	34·3	24				..	42·8	216·6	..	47·7	6	12	..	5·9	3·3	..	0	12	0	0	1	0	0	0	0	0	0
Tezpur	30·7	−1·2	33·8	31	24.5	+0·9	22·8	12	38·2	269·1	−61·6	41·1	12	22	+6.1	5·6	3·6	+1·3	0	25	0	0	3	0	0	0	0	0	0
Golaghat	31·9	..	35·1	24	23.8	..	22.4	15	(b) 48·2	205.2	..	53·6	5	14	..	..	..	..	0	16	0	0	0	0	0	0	0	0	0
Rangia	31·0	..	34·0	1	24.2	..	23·1	24,26	145·8	342·4	..	108·2	27	18	..	7·3	5·4	..	0	19	0	0	0	0	0	0	0	0	0
Chaparmukh	32·0	..	35·5	24	24·9	..	23·4	20	(a) 97·6	(b) 258·4	..	..	..	..	..	(b) 6·9	(a) 4·5	..	..	..		0	4	0	0	0	0	0	0
Goalpara	30·8	..	39·1	23	22·1	..	20·0	13,17	113.0	300·4	..	42·4	29	18	..	..	3·1	..	0	20	0	0	0	0	0	0	0	0	0
Gauhati (R)																													
Gauhati (Bhorjor)	30·6	−1·4	33·3	24	24·8	−0·2	23·4	13	110·2	283·8	+23·2	61·8	29	22	+8·9	7·3	4·5	..	2	24	0	0	15	0	0	0	0	0	0
Dhubri (Rupsi)	25·5	..	33·7	31	24·2	..	22·5	25	398·9	964·3	..	164·8	26	20	..	..	..	..	0	22	0	0	12	1	0	0	0	0	0
Dhubri	28·9	+1·3	32·6	31	24·7	−2·1	21·9	13	152·9	578·7	+241·3	86.2	5	17	+2·4	10.2	9·9	+4·3	1	20	0	0	1	0	0	0	0	0	0
Lumding	32·4	+1·0	35·0	1	24·2	−0.6	22·4	25	63·2	112·7	−92·5	44·0	20	9	−2·3	6·3	3·1	..	0	13	0	0	0	0	0	0	0	0	0
South Assam (including Nagaland, Manipur, and Tripura)																													
Tura	28·4	..	33·3	22	23·2	..	21·5	6	325·7	615·4	..	96·1	26	23	..	4·5	4·3	..	0	29	0	0	0	0	0	0	0	0	0
Haflong	25·1	..	29·0	2,23	19·5	..	18·7	27	140·4	344·5	+82·1	48·8	8	21	+3·9	8·3	7·1	..	0	24	0	0	0	0	0	0	0	0	0
Silchar (Kumbhirgram)	30·7	..	35·0	23	23·7	..	22·8	28	169·8	424·7	..	47.6	6	20	..	6.7	5.9	..	0	22	0	0	2	0	0	0	0	0	0
Silchar	31·3	−0·6	36·4	31	21·0	−3·9	19·5	6	218·4	447·6	−67·0	74·2	2	19	−3·2	3·0	1.4	−1·0	0	26	0	0	4	0	0	0	0	0	0
Imphal (Tulihal)	28·3	−0·5	31·6	21	19·3	−2·4	17·8	24	42·1	142·5	−46·1	34·4	24	9	−3·4	7·2	4·8	−0·6	1	23	0	0	2	0	0	0	0	0	0
Kailashahar	31·0	..	34·4	22	23·9	..	22·7	28	196·6	325·2	..	53·0	1	17	..	7·2	5·2	..	0	23	0	0	14	1	0	0	0	0	0
Agartala	30·5	−0·6	34·9	22	23·2	−1·6	21·3	29	282·8	558·8	+207.5	77·2	28	19	+1·7	9·9	7·6	−0·6	0	22	0	0	11	1	0	0	0	0	0
Sub-Himalayan West Bengal																													
Baghdogra	29·6	−2·1	33·7	18	23·5	−1·2	22·4	25	198·2	969·6	+284·9	92·0	17	26	+4·3	13.2	10·9	+5·1	1	27	0	0	9	0	0	0	0	0	0
Jalpaiguri	28·8	−2·8	33·0	23	23·5	−1.7	22·5	26	250.4	1019.6	+377·7	132·2	19	25	+4.6	8·1	6·5	+3·8	0	27	0	0	14	0	0	0	0	0	0
Cooch Behar	29·5	..	33·8	23,31	23·5	..	22·3	12	212·9	1066·8	+463·8	183·2	12	20	+1·3	5·9	4·3	..	0	26	0	0	14	2	0	0	0	0	0
Balurghat	31·5	..	33·9	7	24·6	..	22.6	28	87·5	323·7	..	91·7	25	19	..	7.5	5·5	..	0	21	0	0	2	0	0	0	0	0	0
Malda	31·7	0	34·9	7	25·7	−0·5	23·8	23	103·0	295·0	+15·1	57·1	28	15	+0·4	3·6	3·1	−4·5	0	17	0	0	15	0	0	0	0	0	0
Gangetic West Bengal.																													
Berhampore	32·1	+0·4	24·8	7	25·1	−0·9	22·7	15	136·2	201·1	−88·7	64·9	25	11	−5·3	5·7	4·1	−0·7	2	15	0	0	3	0	0	0	0	0	0
Suri	32·7	..	35·3	8	24·7	..	21·6	13	..	284·1	..	56·8	3	13	..	..	5·2	..	0	16	0	0	3	0	0	0	0	0	0
Asansol	32·5	+0·9	34·5	8	25·3	0	23.5	15	208·0	270·4	−66·9	62·3	2	14	−3·0	8·2	6·5	−1·1	1	18	0	0	16	0	0	0	0	0	0
Shanti Niketan	31·8	..	35·3	9	25·3	..	22·7	29	197·1	218·6	..	63·0	3	12	..	9.5	8·3	..	2	16	0	0	13	0	0	0	0	0	0
Krishnanagar	32·0	+0·1	35·0	22	24·3	−1·5	22·5	7,15	222·1	370·5	+106·8	75·0	25	15	−0·3	6.7	5.9	+0·3	0	17	0	0	9	0	0	0	0	0	0
Purulia	32·0	−0·6	34·9	10	24·2	−0·7	21·9	15	148·9	281·7	−24·7	58·7	25	10	−6.5	6·7	5·0	−0·2	0	14	0	0	14	0	0	0	0	0	0
Bankura	32·7	..	36·4	9	24·9	..	22·8	15	254·8	323·8	+15·7	97·0	25	16	0	4.9	3·8	..	1	20	0	0	0	0	0	0	0	0	0
Burdwan	32·1	+0·3	35·2	9	25·9	−0.2	23·2	17	171·6	234·0	−68·8	61·6	15	12	−4·2	(P) 5.7	3·6	..	0	14	0	0	0	0	0	0	0	0	0
Barrackpore. (Aerodrome)	31·8	..	34·9	9	24·4	..	23·9	17	334·6	512·2	..	106·6	25	17	..	..	..	..	0	20	0	0	22	1	0	0	0	0	0
Calcutta (Dum Dum)	31·7	−0·1	35.2	7,8	25·6	−0·5	23·3	25	350·0	490·1	+211·3	123·9	25	17	−1·3	11·2	8·3	−1·7	1	22	0	0	18	0	0	0	0	0	0
Calcutta	31·8	+0·1	35·5	9	25·7	0	23·1	25	298·7	411·8	+83·6	124·9	25	17	−1·0	10.9	6·4	+0·9	0	19	0	0	17	0	0	0	0	0	0
Midnapore	32·0	+0·2	37·5	21	24·2	−1·6	22·0	3	119·7	195·5	+128·4	53·5	3	11	−5·8	7·1	5·5	+2·0	0	17	0	0	3	0	0	0	0	0	0
Contai	30·9	−0.2	34·4	8	35·1	−1·0	22·6	25	234·0	415·6	+48·7	94·4	25	14	−2·2	10·9	8·8	−1·8	0	15	0	0	0	0	0	0	0	0	0
Sagar Island	29·9	−0.6	31·2	30	26.1	−0·3	19·8	25	102·4	410·6	+73·3	138·7	2	15	−1·3	22·3	21.6	+4·5	0	17	0	0	7	0	0	0	0	0	0
Saugeheads	30·8	..	34·4	20,22	25·5	..	18.7	31	49·5	107·5	−117·0	44·8	2	8	−4.0	..	..	..	0	13	0	0	0	0	0	0	0	0	0
Orissa																													
Baripada	32·9	..	35·8	9	24·5	..	23·0	11	143·4	238·7	..	86·5	2	12	..	3·2	1·9	..	0	16	0	0	17	0	0	0	0	0	0

(R) Register not received. (a) Mean or total of 30 days. (b) Mean or totol for 29 days. (P) Mean of 15 days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28	29
Orissa—(*Contd.*)																													
Jharsuguda	32·0	+1·1	34·4	9	24·6	—0.1	23.0	15	175·1	212·1	—223·7	67·6	5	12	—5·0	9·5	7·3	—1·5	2	16	0	0	18	0	0	0	0	0	0
Keonjhargarh	29·9	..	31.9	30	..	..	..	..	145·5	164·3	..	50·2	10	10	..	8·7	7·1	..	3	16	0	0	0	0	0	0	0	0	0
Balasore	31·8	+0·5	34·6	7,9	24·2	—1·6	22·2	22	184·0	288·5	—10·2	79.1	2	10	—4.8	11·2	9·1	+3·3	0	12	0	0	15	0	0	0	0	0	0
Sambalpur	32·8	+2·4	34·1	5days	24.2	—0.7	23.3	16, 17, 19	66·5	336·8	—146·8	98·3	11	12	—6·9	9·8	5·6	—0·2	0	12	0	0	0	0	0	0	0	0	0
Angul	32·7	+1·8	34·9	7,9	23·3	—1·6	21·2	11	102.7	128·4	—165.2	39·8	27	9	—6·1	6·7	6.1	—1·8	0	12	0	0	8	0	0	0	0	0	0
Chandbali	31·9	+0 6	34·9	7,8	25·0	—0·8	23·2	11	229·8	362·8	—9.8	121·4	10	12	—3·8	10·6	7·9	—2·7	0	14	0	0	0	0	0	0	0	0	0
Bolangir	32·5	..	34·9	6	24·0	..	22·5	16	178.0	201.8	..	62·2	25	10	..	6·9	6.5	..	0	11	0	0	4	0	0	0	0	0	0
Phulbani	30·2	..	32·0	7,9,10	23·1	..	22·2	23	62·0	150·0	..	69·2	24	9	..	6·9	3·5	..	3	16	0	0	3	0	0	0	0	0	0
Cuttack	32·9	+1·2	35·9	7,8	24.4	— 1.2	22·6	15, 25	197·3	315.5	—24.9	103·8	10	15	—0·8	7·1	5·9	+2·4	0	17	0	0	4	0	0	0	0	0	0
Titlagarh	33·6	..	34·6	10,20, 26	24·4	..	20·3	10	66·7	123·7	..	40·3	24	7	..	4·8	3·5	..	0	8	0	0	2	0	0	0	0	0	0
Bhubaneswar	32·2	+0·9	35·4	7	24·9	—0·5	22·7	15, 31	160·3	234·5	—101·5	53·4	31	10	—7·3	14·2	11·1	—2·8	1	16	0	0	14	0	0	0	0	0	0
Puri	30·9	0	34·6	30	25·0	—1·4	21·5	15	58·3	190.1	—87·3	50·0	24	10	—2·9	17·5	16·4	+0·5	0	14	0	0	1	0	0	0	0	0	0
Gopalpur	31·4	+0·4	34·4	8	25·5	—0·5	22·2	30	92·3	158.7	—36·9	60·5	31	7	—3·8	15·5	13.1	+0·7	0	13	0	0	7	0	0	0	0	0	0
Koraput	26·9	+1.7	28.7	14,22	..	..	..	..	60·7	168·8	—319·4	45·6	24	13	—8·6	..	..	..	0	18	0	0	0	0	0	0	0	0	0
Bihar Plateaus																													
Dumka	32·2	+0·8	36·5	9	25·0	—0·3	23·4	14, 25	192·6	377.6	+48·9	66·0	26	17	—0·6	10.7	5·9	+2·5	1	19	0	0	1	0	0	0	0	0	0
Daltonganj	23·6	+2·1	35.6	10	24.9	0	21.8	17	54·9	142·8	—200·3	22·8	21	13	—3.4	9.0	5.8	+0.5	0	15	0	0	3	0	0	0	0	0	0
Hazaribagh	29·3	+0·4	32·0	10	22·3	—0.6	21.0	30	94·0	202·6	—132.9	58·2	25	13	—4·6	10·1	8·1	—1·4	2	19	0	0	13	0	0	0	0	0	0
Dhanbad	31·7	..	34·5	4 days	24.2	..	22·5	25	77·4	155·8	..	42·4	25	11	..	..	..	..	0	13	0	0	5	0	0	0	0	0	0
Ranchi	30.1	+1.6	35·5	1,2	24·5	+1·8	23·7	5	103·1	182.7	—168·8	31·0	26	11	—7·6	9.2	6·6	—0·8	0	11	0	0	3	0	0	0	0	0	0
Ranchi(Aerodrome)	29·1	..	31·6	10	22·6	..	21·2	days 30	77.3	193·9	..	57·8	25	10	..	13·0	10·5	..	0	17	0		9	0	0	0	0	0	0
Jamshedpur	32.5	+0.9	35·4	9	24·3	—1·3	22·2	14	142·8	249·6	—141·8	88·6	3	8	—10·0	10·5	7·2	+0·8	0	14	0		3	0	0	0	0	0	0
Jamshedpur (P.B.O.)	32.2	..	34·6	9	24·9	..	23·1	15	55·4	258·5	..	73·8	3	8	..	9·2	5·9	..	1	12	0		16	0	0	0	0	0	0
Chaibasa	31·9	+0.6	34·9	9	24·0	—0·9	22·0	25	81·6	152·2	—158·7	40·2	25	8	—8·6	6·1	4·4	+1·0	1	14	0	0	4	0	0	0	0	0	0
Bihar Plain																													
Motihari	31·4	—0.5	33.9	6	23·0	—2.7	21·0	15	73·2	325·5	—3·9	84·2	1	17	+3.8	7·1	5·6	—0·5	1	18	0	0	0	0	0	0	0	0	0
Forbesganj	30·8	..	33·8	7	24·2	..	21·8	14	49·8	310·6	..	52·0	2	16	..	9·2	6·8	..	0	24	0	0	6	0	0	0	0	0	0
Darbhanga	23·6	+1·9	38.0	12	24·5	—1·7	22·5	15	68·0	330·8	—12·3	69·2	1	18	+4·2	6·7	5·6	+0·5	0	19	0	0	5	0	0	0	0	0	0
Muzaffarpur	..	..	..	..	..	..	..	..	..	350·8	+31·8	55·3	20	14	+0·4	..	..	..	2	17	0	0	0	0	0	0	0	0	0
Chapra	32·1	..	35·8	9	25·5	..	23·0	14	81.7	302·9	+16·4	60·2	4	12	—1·4	4·9	4·7	..	0	14	0	0	5	0	0	0	0	0	0
Purnea	31·0	—0·7	33·5	8	22·9	—2·9	20·8	15, 25	74·4	453·1	+119·1	104·8	30	16	—0·2	3·2	1·9	—1·8	0	18	0	0	1	0	0	0	0	0	0
Patna	32.2	+0·6	36·0	11	24·0	—2·5	21·6	20	171·5	608·2	+275·7	144·0	20	15	+1·1	8·7	8·4	+2·1	0	16	0	0	2	0	0	0	0	0	0
Patna Aerodrome	32·0	..	34·8	10,11, 31	24.9	..	22·2	15	113·7	385·4	..	62·5	29	17	..	10·1	7·5	..	0	17	0	0	14	0	0	0	0	0	0
Arrah	..	..	..	..	..	..	..	..	..	93·9	—215.4	60·2	2	5	—9·6	..	..	..	0	11	0	0	0	0	0	0	0	0	0
Bhagalpur	32·1	—0·2	35·8	10	25·3	—1·0	21·8	15	79·9	279·4	+28·5	64·0	14	14	+0·3	8·3	6·4	+0·4	1	18	0	0	12	0	0	0	0	0	0
Sabaur	32·0	+0·3	35·0	10	24·9	—1·3	21.7	15	146·2	291·8	+24·9	68.4	14	19	+4·0	8·1	5·7	—3·3	0	19	0	0	18	0	0	0	0	0	0
Jamui	32·0	..	35·1	10	24·4	..	22·8	4	109·0	272·0	..	37·2	15	15	..	7·2	4·5	..	0	16	0	0	0	0	0	0	0	0	0
Dehri	32·7	..	35·8	14	25·7	..	21·9	days 15	46·8	302.0	—33.8	88.8	15	11	—3·6	7·5	5·7	..	0	12	0	0	1	0	0	0	0	0	0
Gaya	33 2	+1·0	38·1	14	25·4	—0·3	23.0	14	50·0	213·0	—136·3	54·4	3	12	—3·7	12·9	10·4	+1·9	1	17	0	0	10	0	0	0	0	0	0
Uttar Pradesh East																													
Kheri	33·3	+1·2	37·3	15	25·6	—0·1	22·9	16	53·8	176·4	—128·1	56·7	29	7	—6·4	7·4	5·2	+2·0	0	9	0	0	4	0	0	0	0	0	0
Bahraich	33·0	+0·7	37·6	14	25.7	—0·1	23·3	16	53·4	255·6	—69.3	114·6	28	9	—3·5	12·0	9·1	+5·6	0	16	0	0	0	0	0	0	0	0	0
Nautanwa	31·6	..	34.4	22,23	23.8	..	21·8	21	121·0	665·2	..	131·0	28	17	..	..	..	..	0	19	0	0	0	0	0	0	0	0	0
Hardoi	34·4	+1.9	38.0	12,13	24.9	—1.2	22·6	28	41·0	88·6	—235·5	29·8	27	7	—6·2	12.0	9·3	+3·8	0	8	0	0	0	0	0	0	0	0	0
Gonda	32·7	+0·6	37·0	13,15	24·4	—1·4	21.6	16	79·4	228.0	—169·5	62·0	28	11	—2·5	9·7	7·3	+1·5	0	12	0	0	0	0	0	0	0	0	0
Lucknow	33 6	+1·1	38·0	14,16	24·5	—1·4	21·8	29	69·2	184·1	—108·0	64·8	27	4	—9·7	4.2	3·5	+0·4	0	6	0	0	0	0	0	0	0	0	0
Lucknow (Amausi)	33 6	+1·1	38.0	16	25·6	+0·2	23·2	26	48·1	190.9	—101·2	71.0	27	7	—6·7	17·4	13·2	..	1	9	0	0	2	0	0	0	0	0	0
Faizabad	32·8	..	37·4	13	24·4	..	22.4	22	119·9	297·4	..	48·4	27	15	..	5·6	3·9	..	0	17	0	0	4	0	0	0	0	0	0
Gorakhpur	32·9	+0·9	36·8	13	25·5	—0·4	23·5	21	124·5	475.4	+126·4	101·0	20	13	—1·9	8·7	6.7	+3·5	0	14	0	0	0	0	0	0	0	0	0
Kanpur	34·3	+2·2	38·3	13,15, 16	26·1	+0·2	23·9	26	16·8	40·0	—244·5	20·0	27	4	—9·3	..	..	..	0	5	0	0	0	0	0	0	0	0	0
Kanpur (Aerodrome)	34.2	..	38·6	15	26.1	..	24·3	26	16·0	34·4	..	18.7	27	4	..	..	..	..	1	6	0	0	3	0	0	0	0	0	0
Sultanpur	31·7	..	37·2	14	24·8	..	22·5	26	84·2	273·8	..	70·6	18	8	..	9·0	6·6	..	0	8	0	0	4	0	0	0	0	0	0
Azamgarh	33·0	..	37·9	3,15	23.6	..	21.3	17	93·4	360·8	..	71·0	28	12	..	6·4	4·4	..	1	14	0	0	1	0	0	0	0	0	0
Fatehpur	34·2	+2·1	39.0	17	25·7	—0.1	24·1	26	29.1	61·9	—192·9	24.8	27	5	—9·4	11·9	8.4	+3·3	0	8	0	0	0	0	0	0	0	0	0
Ballia	32.1	..	34·6	7,12	26·2	..	21·6	1	46·2	285·0	..	65·8	24	16	..	6·1	5·1	..	0	16	0	0	0	0	0	0	0	0	0
Banda	34·2	..	40·1	17	25·9	..	23·5	31	92·6	208·0	..	49·4	28	8	..	5·2	2·9	..	0	10	0	0	0	0	0	0	0	0	0
Allahabad (Bamhrauli).	34·5	+2·6	39·3	15	25·9	+0·1	23.8	26	90·6	153·0	—101·8	82·8	26	8	—6·7	10·4	7·2	+0.3	1	9	0	0	2	0	0	0	0	0	0
Varanasi (Babatpur)	33·2	+1.0	37 9	15	25·5	—0·6	23·5	21	173·7	240·1	—0·2	89 2	20	14	+1·8	14·7	12·1	+3.0	0	16	0	0	9	0	0	0	0	0	0
Varanasi	33·9	+1·9	37·6	12,13	24.7	—1·1	23·1	25	176·0	239·6	—65·5	41·0	18, 31	13	—1·9	8·2	9·1	+4·0	0	14	0	0	2	0	0	0	0	0	0

(n) Mean of 17 days.

(R) Register not received

Sub-Division and station	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830—1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed, km. per hour: Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Weather phenomena—No. of days with: Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28	29
Uttar Pradesh																													
West																													
Mukhim	23·1	..	25.3	9,10	15.7	..	13.8	31	79.0	306.6	..	69.0	20	16	..	..	..	..	0	19	0	0	5	0	0	0	0	0	0
Tehri	32·5	..	36·0	14	22·5	..	19·8	22	30·0	245·7	..	44·3	27	12	..	..	..	..	0	13	0	0	3	0	0	0	0	0	0
Dehra Dun	29·8	+0.6	33·7	14	20·5	−2·2	19·0	28	125.7	352·8	−378·5	75·8	27	16	−5·3	3·2	2·8	+0·5	0	18	0	0	5	0	0	0	0	0	0
Mussoorie	20.8	..	23·7	10	14.3	..	12.4	30	..	392.6	..	43.2	14	21	..	..	..	..	1	30	..	..	..	..	..	..	..	..	..
Roorkee	32·7	+0·6	37·0	16	22.4	−2·7	19.8	3	95.4	259·7	−25·3	67·8	24	8	−3·8	6·7	4·3	+1·1	0	11	0	0	4	0	0	0	0	0	0
Najibabad	33.2	..	37·1	16	22·2	..	18·1	22	171.0	413·1	..	103·8	24	10	..	7·1	5·8	..	0	11	0	0	8	0	0	0	0	0	0
Meerut	33·6	+0.8	38·0	15,16	23 5	−2.2	19.9	24	..	..	..	..	..	..	..	..	7·3	..	..	..	0	0	1	0	0	0	0	0	0
Bareilly	33·9	+1·6	38·0	15,16	25·8	+0.1	23·7	16	60.0	172.4	−122.2	46·4	1	9	−3·3	12·7	8·5	+5·6	1	11	0	0	2	0	0	0	0	0	0
Aligarh	..	..	..	..	25.3	−0·4	22·7	29	57.4	230.4	+29·0	108.2	1	4	−5·4	14·1	10.6	+4.0	0	6	0	0	1	0	0	0	0	0	0
Mainpuri	34·6	+1·4	38·6	17	24.9	−0.9	21.6	29	102.6	227.7	−2.2	89.0	1	7	−3·5	6·0	4·1	+1·0	0	8	0	0	0	0	0	0	0	0	0
Agra	34.8	+1·8	29.0	18	25·7	−0·4	23·6	1	23.5	130.3	−75.7	87.2	1	4	−6·3	5·1	4·0	−2·0	0	5	0	0	0	0	0	0	0	0	0
Agra (Aerodrome)	34·9	..	38·8	17	25·4	..	23·3	29	23.6	145.6	..	85·1	1	5	..	14.2	11.9	..	0	7	0	0	6	0	0	0	0	0	0
Orai	34·3	..	39.0	14	25·6	..	24.0	2,3	74.6	142.7	..	58.0	27	9	..	..	..	..	0	9	0	0	0	0	0	0	0	0	0
Jhansi	34·2	+2.4	39·0	18,20	25·3	+0.4	23·5	23,24, 27	137.6	197.6	−96·8	91.0	27	7	−6.3	9·6	9·8	+4.2	0	9	0	0	0	0	0	0	0	0	0
Punjab (Including Delhi)																													
Pathankot	33·0	+0·5	36.3	16	22.8	−1·2	17·9	28	39.9	54·4	−381·4	17·0	21	5	−9.6	..	..	..	0	7	0	0	15	0	0	0	0	1	0
Bhuntar	29·8	..	33·2	20	17·9	..	15·7	16	23.0	49·9	..	13·8	3	4	..	11.9	7·0	..	0	13	0	0	6	0	0	0	0	0	0
Amritsar (Rajasansi)	34.9	+0.7	38.3	16	24.8	−0·7	21·4	29	34.6	107.7	−45.4	41·0	3	6	−1·7	9.4	6.9	−1.9	0	12	0	0	13	0	1	0	0	3	0
Adampur (Aerodrome)	34·5	..	38.2	16	23·7	..	20·0	28	32·2	[illegible]	..	21·8	22	7	..	..	..	..	0	8	0	0	9	0	0	0	0	0	0
Ludhiana	35·5	+0.6	39·8	15,16	23·1	−3.1	19·0	28	38·1	[illegible]	−78·1	31.7	22	6	−1.3	6.4	4·0	+1·6	0	10	0	0	8	0	3	0	0	0	0
Ferozepur	35·3	..	39·0	20	25·1	..	20.7	29	11·0	[illegible]	..	35·0	7	5	..	3.3	2.5	..	0	5	0	0	4	0	2	0	0	0	0
Halwara (Aerodrome)	34.6	..	38.3	15	24.0	..	20.7	29	53·5	126·3	..	56·0	11	5	..	..	..	..	0	5	0	0	11	0	0	0	0	0	0
Chandigarh	33.4	+0·6	37.0	16,17	24·6	+1.1	21·3	28	18.0	66·4	−196·9	18·0	2	8	−3.6	..	..	..	1	8	0	0	0	0	0	0	0	0	0
Ambala	34.1	+0.1	38·4	17	24.7	−0.9	21.4	29	25.4	33.0	−167.4	20.2	24	3	−6·0	8.2	6.0	+2.3	1	3	0	0	0	0	0	0	0	0	0
Ambala (Aerodrome)	33·5	..	37·2	16	24·5	..	20·6	29	47.0	62·7	..	28·0	24	5	..	..	..	..	0	7	0	0	7	0	0	0	0	0	0
Patiala	34·4	..	38·5	16	24·6	..	21·2	28	48.7	100.9	−144.5	27.4	23	10	+0·8	8·5	6·6	..	0	12	0	0	3	0	0	0	0	0	0
Bhatinda	35·3	..	40·4	21	24.8	..	19·9	29	6.1	72.5	..	37.0	29	5	..	8.2	5.7	..	0	5	0	0	2	0	0	0	0	0	0
Karnal	33·3	..	37·5	16	..	..	..	..	52.0	203·0	..	91·0	23	7	..	..	..	..	0	8	0	0	0	0	0	0	0	0	0
Hissar	36·6	+0.9	41·0	20	25·7	−0·4	20·0	29	18.0	32·8	−90.9	11·8	25	4	−1·5	11·0	9·1	+1·2	0	6	0	0	4	0	0	0	0	0	0
New Delhi (Safdarjang)	34.2	+0.6	38.6	16	24·9	−1.2	21.2	23	76.4	184·7	+1·1	70.8	1	7	−2.0	14.4	13.0	+4·1	0	10	0	0	3	0	0	0	0	2	0
Palam (Aerodrome)	34·4	..	38.8	16	24·8	..	21·8	29	70.9	121.0	..	32·8	1	6	..	..	..	..	1	8	0	0	5	0	0	0	0	3	0
Himachal Pradesh																													
Mandi	32·1	+1.5	34·1	16	17.1	−4.3	15.2	17	71·1	119.2	−380·1	27·0	20	8	−11·6	2·4	2·5	+0·3	1	13	0	0	1	0	0	0	0	0	0
Bilaspur	31·9	..	35·2	16	..	..	..	..	80.7	117.2	..	24.5	28	13	..	..	..	..	0	13	0	0	0	0	0	0	0	0	0
Jammu and Kashmir																													
Misgar (R)																													
Gilgit (R)																													
Skardu (R)																													
Dras (R)																													
Sonamarg (R)																													
Leh	24·1	−0·3	29·1	24,27	7.7	−2.1	3.5	29	..	17·2	+2·2	10.2	2	1	−0·9	4·9	3·9	+1·2	0	5	0	0	0	0	0	0	0	0	0
Srinagar	27·7	−2·6	32·0	20	15·0	−2·4	11·3	31	7.3	44·3	−17.2	22·0	22	4	−1·3	5.9	4·4	+0·7	1	8	0	0	4	0	0	0	0	0	0
Srinagar (Aerodrome)	27·0	..	30·8	19	15.3	..	−8.6	31	0	0·3	..	0·3	28	0	..	..	..	..	0	1	0	0	10	0	0	0	0	0	0
Gulmarg	18.3	−2.2	..	..	7.5	−3.4	..	..	..	..	..	..	..	..	..	7.4	4.2	−0.1	..	..	..	..	..	..	..	..	..	..	..
Qazigund	25 7	..	29·4	20	14·2	..	10·4	30	12.0	44·4	..	12·4	25	4	..	1·7	1·6	..	0	9	0	0	14	0	0	0	0	0	0
Banihal	26·6	..	28·3	16	14·8	..	11.2	15	1·7	31·2	..	14.1	24	3	..	..	..	..	1	4	0	0	3	0	0	0	0	0	0
Jammu	34·9	+1·7	38 2	19	21·6	−3.8	18·1	27	117.9	215·1	−84.4	47·0	11	9	−2.6	10·4	6 5	..	0	9	..	..	..	..	..	..	..	..	..
Jammu (Aerodrome)	33.7	..	37·1	20	24·0	..	20.0	27	67.5	135·1	..	40·9	20	7	..	..	..	..	0	8	0	0	11	0	1	0	0	0	0
Rajasthan West																													
Ganganagar	37.9	+0·5	42·2	21	25·1	−2.2	19·7	29	18.2	35.7	−33·8	23.3	29	2	−2·6	8·0	5.4	−0·7	0	2	0	0	5	0	1	0	0	0	0
Anupgarh (R)																													
Mahajan	37.8	..	43.5	21	26.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Churu	36·7	..	42·1	21	25·8	..	21·5	29	12.3	40·7	..	13·0	1	5	..	15·3	12.3	..	0	7	0	0	5	0	2	0	0	0	0
Bikaner	36·4	0	42·2	20	26·1	−0·8	24.1	30	8.2	15.0	−76·4	7.8	26	2	−2·9	13·9	12·7	+2·6	0	4	0	0	2	0	0	0	0	0	0
Nagaur	35·1	..	42·2	20	24·7	..	23·2	1	4.5	64.8	..	44.3	25	2	..	13·0	11·0	..	0	4	0	0	0	0	0	0	0	0	0
Phalodi	36·1	..	41·6	20	23·7	..	22.0	29	0	23.0	−60.3	23.0	27	1	−3·9	19.2	16.1	..	0	1	0	0	0	0	2	0	0	0	0
Jaisalmer	36·6	..	41.0	20	23·8	..	19·1	31	15.0	15·0	..	13.6	27	1	..	22·3	21.3	..	0	2	0	0	0	0	0	0	0	0	0
Jodhapur	34·4	+1·2	41·8	20	24·8	−0·2	20.8	1	29.7	65·5	−57.4	34.3	23	4	−1.9	14·0	11.8	−2·8	0	4	0	0	5	0	0	0	0	3	0
Barmer	35·7	+2·1	41·1	20	24·5	+0·4	22·2	25	10.3	28.8	−105·1	10.8	24	4	−1·8	11.5	10.2	−0·1*	0	5	0	0	5	0	0	0	0	0	0
Erinpura (Jawaisum)	32·9	..	38.6	20	24·2	..	21·4	23	34·8	184.1	..	85.5	26	6	..	6.4	6·7	..	0	7	0	0	0	0	0	0	0	0	0
Munabao (R)																													

(i) Mean of 21 days. (R) Register not received.

*Departure indicated relates to 1940 normals accepted provisionally.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, kms. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Rajasthan East																													
Pilani	35·9	..	41·5	21	24·1	..	20.5	29	31·2	47·9	..	11·4	1	7	..	15 5	14.0	..	0	8	0	0	0	0	0	0	0	0	0
Sikar	34·8	..	41·1	20	23.3	..	21.6	28	26·6	85·3	..	28·5	22	5	..	..	..	..	0	6	0	0	0	0	0	0	0	0	0
Alwar	34·6	..	40·1	19	24.9	..	21·5	22	55·6	152·4	..	42·8	25	10	..	4·0	3.4	..	0	11	0	0	2	0	0	0	0	0	0
Jaipur (Sanganer)	33.6	+0·9	40·2	21	24·4	0	22·6	7,8,	66·8	82·2	−122·6	41·0	25	5	−5·2	..	..	..	0	7	0	0	4	0	0	0	0	0	0
Dholpur	35·1	..	40·3	18	25·6	..	22·4	28 22	20·1	196·9	..	91·0	1	5	..	9·9	7·9	..	0	6	0	0	0	0	0	0	0	0	0
Ajmer	32·8	+1.9	40·0	20	24·3	−0·1	21·6	1	5 0	70·0	−101·5	22·8	23	5	−3·4	13·0	12·0	+3·8	0	7	0	0	4	0	0	0	0	0	0
Tonk	35.1	..	41.5	20	26.0	..	20·5	23	66·7	89·3	..	38·0	25	5	..	12·0	9·0	..	0	6	0	0	6	0	0	0	0	0	0
Bhilwara	32·9	..	39.2	20	22·7	..	21·0	30	3·6	76·3	..	46·6	22	6	..	11 4	8·8	..	0	7	0	0	0	0	0	0	0	0	0
Kota	34·5	+2·5	40.0	19,20	25·5	+0·1	18·0	1	16.6	23·7	−221·7	9·0	27	4	−6·4	12.3	9·8	+4·3	1	7	0	0	3	0	0	0	0	0	0
Kota (Aerodrome)	34·5	..	40·0	20	25·5	..	23·4	22	23·0	35.5	..	11·6	27	4	..	14·3	13·6	..	0	8	0	0	5	0	0	0	0	0	0
Chambal (Rawat Bhatta Dam)	33·2	..	39.7	20	24 5	..	22.6	1,30	111·9	178·0	..	86·0	27	9	..	12·2	9·4	..	0	11	0	0	2	0	1	0	0	0	0
Udaipur	30·4	+0·7	35·5	20	22·6	−0·6	21·0	29	298.0	318·0	+139·9	133·5	28	9	+0·4	6·0	4·1	..	0	10	0	0	10	0	0	0	0	0	0
Jhalawar	33·6	+3·0	38·9	20	23·7	−0·2	22·0	30	92·5	135.5	−156·8	33·5	27	10	−2·8	11.1	8·7	+2·4	0	11	0	0	0	0	0	0	0	0	0
Banswara	32·0	..	36·3	20	23·9	..	21·6	23	12·3	155·5	..	65·5	23	8	..	11·2	8·7	..	0	14	0	0	0	0	0	0	0	0	0
Madhya Pradesh West																													
Gwalior	34·2	+2·3	39·0	18	26·0	+0.7	23·8	26	23·6	140·7	−89·7	52·3	1	7	−5·7	14·4	9·6	..	1	8	0	0	5	0	0	0	0	0	0
Sheopur	34·7	+3·4	40·5	20	25·0	+0·3	23·1	24	49·0	122·2	−227·8	56·6	24	5	−10·9	11·6	9·2	+2·6	0	8	0	0	0	0	0	0	0	0	0
Shivpuri	31·9	..	36·8	20	22·1	..	19·0	21	148·7	217·7	.	58·7	24	8	..	11·1	9·5	..	0	9	0	0	1	0	0	0	0	0	0
Nowgong	34·1	+2·9	38·2	17,25	25·1	+0·2	21·9	30	130·3	245·0	−87.5	115·4	27	11	−2·9	9·8	7·0	+3·0	0	15	0	0	4	0	0	0	0	0	0
Guna	32·7	+3·1	39·2	14	23·3	+0·2	21·1	30	110·2	138.4	−254·0	43·0	23	7	−6·6	15·4	11·7	..	0	7	0	0	7	0	0	0	0	0	0
Nimach	31·2	+1·9	37·8	20	23·1	+0·4	21·2	21	24·7	139 0	−93·4	71·4	22	6	-4·0	16·1	12·3	−0·4	0	10	0	0	7	0	0	0	0	0	0
Rajgarh	33·2	..	38·2	15	23·7	..	22·4	10	86·2	109·7	..	58·0	27	5	..	14·4	10·9	..	0	10	0	0	0	0	0	0	0	0	0
Sagar	30·7	+2 1	35·1	21	22·8	+0.7	21·7	22,	119·9	212·5	−144.9	33·1	26	13	−2.6	12.1	11·0	..	0	17	0	0	2	0	0	0	0	0	0
Ratlam	31·0	+2·6	34.5	20	22·5	0·0	21·6	29 1,22	42·4	202·8	−16·0	64·2	13	10	−3·3	14·5	11·5	+1·6	1	14	0	0	5	0	0	0	0	0	0
Bhopal (Bairagarh)	31·4	+2·7	35·5	21	22·5	−0·1	20·9	30	87·7	132·7	−145·2	63·9	25	9	−5·8	18·4	15·2	+3 8	1	12	0	0	12	1	0	0	0	5	0
Ujjain	31·4	..	35·0	19	22·1	..	20·4	11	103·3	201·3	..	83·0	22	4	..	18·1	13·6	..	0	11	0	0	7	0	0	0	0	0	0
Narsinghpur	32·9	..	35·4	11,15 20	22·9	..	20·8	31	99·0	182·0		50·0	31	11	..	9·6	5·8	..	0	14	0	0	0	0	0	0	0	0	0
Hoshangabad	32·6	+3·4	36·0	20	23·9	+0·3	22·2	21	60·3	121·4	−261·1	52·0	21	7	−8·7	5·4	5·8	+1.0	0	13	0	0	6	0	0	0	0	0	0
Indore	30·8	+2 7	33·5	20	21.9	+0·1	20·7	13	103·7	179·2	−27·8	50·6	25	8	−3·3	20.7	17·9	..	2	16	0	0	7	0	0	0	0	0	0
Rajpur (Jhabua)	30·8	..	34·6	13	22·6	..	21·4	13	54·6	204·8	..	52·6	13	10	..	12·6	9·9	..	0	11	0	0	5	0	0	0	0	0	0
Chhindwara	29·0	+1·2	32·4	11	21·7	−0.2	20·5	17	142·6	218·8	−44·9	47·4	17	14	+0·4	10·3	6·0	−2·1	0	19	0	0	15	0	0	0	0	0	0
Seoni	30·8	+2·6	33·4	10,11	22·0	+0·1	20·8	3	87·0	191·2	−146·9	44·0	24	9	−7·5	9·5	6·3	+0·2	1	16	0	0	10	0	0	0	0	0	0
Betul	29·0	+1·9	32·3	20	21·3	−0.6	19·6	9	194·2	267·5	−1·5	70·4	25	16	+1·3	7·5	5.1	−2·7	0	19	0	0	5	0	0	0	0	0	0
Khandwa	31.9	+2·0	35·2	20	23.2	−0·1	22·0	13	38·2	113·0	−45·7	50·0	13	8	−1·9	12·2	9·6	−1·4	0	11	0	0	0	0	0	0	0	0	0
Madhya Pradesh East																													
Satna	32·9	+2·9	36·5	20	24·9	+0·3	21·6	31	115·3	197·6	−137·7	67·8	26	9	−6·1	9·4	8·3	+1·4	0	13	0	0	7	0	0	0	0	0	0
Rewa	33·5	..	37·8	17	24·3	..	21·2	31	66·1	139·6	..	34·2	18	11	..	8·9	6·8	..	0	15	0	0	0	0	0	0	0	0	0
Sidhi	33·3	.	37·4	11	24·8	..	23.0	14, 22,	137·4	179·6	..	60·6	22	10	..	9·8	6·7	..	0	10	0	0	4	0	0	0	0	0	0
Umaria	31.5	+2·1	34·3	11	23·8	+0·2	20.3	30 31	115·3	163·2	−170·0	35·2	21	11	−5·0	8·8	7·0	+0·7	0	17	0	0	7	1	0	0	0	0	0
Jabalpur	31.8	+2·6	35·7	11	23.5	+0·4	22.0	16, 30,	175·9	344·1	−86·9	48·5	13	16	−1·4	9·3	6·6	+1·6	1	17	0	0	9	0	0	0	0	0	0
Ambikapur	29.6	+0·4	32·8	10	22·5	−0·4	21·2	31 3	118·1	322·9	−141·8	86·1	25	15	−4·4	..	..	..	0	20	0	0	9	1	0	0	0	0	0
Jashpurnagar	27 8	..	29·9	20	21·8	..	20·1	25	114·8	389.8	.	95·8	25	21	..	9·5	7·3	..	0	24	0	0	0	0	0	0	0	0	0
Pendra	29·1	+1·2	31·7	10	22·5	+0·2	20·6	31	196·7	299·1	−64·6	102.3	26	13	−5·4	10·9	9·0	..	2	18	0	0	18	1	1	0	0	0	0
Mandla	30·9	+1·7	33·7	9	22·6	−0 5	20·6	16	141·2	203·0	−224·2	53·2	26	10	−8·6	7·4	4·1	+0·4	1	14	0	0	11	0	0	0	0	0	0
Champa	32·2	+1·4	35·6	10	23·8	−1·1	21.9	25	118 4	235·9	−264·7	100·8	25	11	−8·3	8·7	6.2	−2·0	0	17	0	0	15	0	0	0	0	0	0
Raigarh	32·7	+1·7	35·6	10	24·5	−0·4	22·8	15	100·0	117·2	−390·5	44.2	25	12	−6·9	6.7	5·6	0·9	1	14	0	0	1	0	0	0	0	0	0
Raipur	32·1	+2·2	34·9	10	24·3	+0.5	22·7	20	53·3	140·9	−219·8	61·9	24	9	−6·5	11·3	9·4	2·5	2	17	0	0	14	0	0	0	0	0	0
Kanker	30·6	+1·5	33·4	10	24·0	+0·8	22.7	31	29·9	124·1	−186·8	59·0	24	6	−9·2	9·8	7·6	−0·4	0	9	0	0	7	0	0	0	0	0	0
Jagdalpur	30·0	+1·7	32·9	14	22·5	+0·5	21·0	17, 23	106·3	211·8	−201·7	51·8	23	12	−6·9	7·4	4·8	..	1	17	0	0	15	0	0	0	0	0	0
Gujarat Region (Including Daman, Dadra & Nagar Haveli)																													
Deesa	33·2	..	37·8	20	..	..	..	..	25·2	70·6	..	37·0	25	3	..	11·7	9.7	..	1	7	0	0	0	0	0	0	0	0	0
Radhanpur	33·1	..	37·9	19	24·5	..	22·6	24	83·5	163.0	..	89·5	28	4	..	11·1	8·8	..	0	4	0	0	0	0	0	0	0	0	0
Idar	32.1	..	36·6	20	23·6	..	22·1	24	21·6	201.8	..	57·0	20	7	..	9.6	6·9	.	0	10	0	0	4	0	0	0	0	0	0
Ahmadabad	33·2	+1·1	38·3	20	24·6	+0·2	23.2	23	24·6	96·3	−108·2	35·5	20	6	−5·0	7·1	5·7	−2·7	2	9	0	0	3	0	0	0	0	1	0
Dohad	31·1	+0·3	35·0	15,20,	22·7	−0·6	20·5	21	44·8	142·8	−62·8	29 8	20	7	−5.2	17.7	18 2	−3·9	1	13	0	0	9	0	0	0	0	0	0
Vallabh Vidyanagar	33·1	..	37·0	20	24·4	..	22·4	22	32·8	126.1	..	36·0	22	7	..	10·0	7·8	..	0	9	0	0	2	0	0	0	0	0	0
Baroda (Aerodrome)	32·8	..	36·7	20	24·6	..	22.3	20	11·8	190·0	..	70·2	25	7	..	10·1	9·1	..	1	10	0	0	2	0	0	0	0	2	0

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, kms. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Gujarat Region (including Daman, Dadra & Nagar Haveli)—(contd) :																													
Baroda	33.4	+1·8	36·9	20	25 1	+0·2	22·3	6	15·9	168·6	—95·3	57·4	20	7	—4·7	6·0	4·1	—2·9	1	7	0	0	4	0	0	0	0	0	0
Broach	32·1	+1·0	37 2	15	24·8	—0·3	23·4	21	58·5	145·5	—82·8	45·6	25	11	—1·2	4·9	3·6	—6·4	0	13	0	0	1	0	0	0	0	0	0
Surat	31·7	+1·4	35·8	15	24 9	—0·1	23·5	19	140·2	299·4	+110·2	72·6	27	12	—0·4	11·5	9·8	+0·3	0	14	0	0	3	0	0	0	0	0	0
Saurashtra and Kutch (including Diu.)																													
Naliya	30·6	..	33·8	19	24·5	..	21·2	27	14·4	89·6	..	49·0	27	2	..	25·0	20·4	..	0	2	0	0	0	0	0	0	0	0	0
Bhuj (Rudramata)	32·6	+0·8	35·7	20,25	24·9	0	23.1	27	64·5	94·1	—19.7	68·7	27	3	—0·7	22·6	19·0	+0.3	5	4	0	0	1	0	0	0	0	0	0
Kandla Aerodrome	33.0	..	36·3	19	25·1	..	23·5	14	24·0	41·0	..	15·6	27	3	..	31·3	25·5	..	0	3	0	0	2	0	0	0	0	0	0
New Kandla	22·0	..	34 2	19	25·6	..	23.9	27	24·6	38·4	..	19·6	27	4	..	29·7	26·6	..	0	5	0	0	1	0	0	0	0	0	0
Mandvi	30 4	+0·1	31·4	21,24	26·1	0	22·4	27	104·9	180·9	+106·5	114·4	27	3	—7·8	35·6	33·5	+0·4	0	3	0	0	0	0	0	0	0	0	0
Surendranagar	33·9	+1·4	37·6	25 15	25·0	+0·2	24.2	20	57·5	76·3	—97·1	40·9	27	3	—3·9	15·1	14·8	—2·0	0	6	0	0	0	0	0	0	0	0	0
Okha	29·9	..	30·7	8	25·3	..	22.9	27	65·3	107·5	..	85·6	27	3	..	24·5	23·1	..	1	4	0	0	1	0	0	0	0	0	0
Jamnagar (Aerodrome).	31·7	+0·3	34·0	6	24·5	—0·9	22·8	27	56·2	101·6	+3·8	55·9	28	3	—2·2	..	..	..	0	4	0	0	0	0	0	0	0	0	0
Dwarka	29·6	+0·3	31·3	25	25·9	0	23·4	26	83·2	160·8	+95·3	93·0	27	3	—0·8	20·5	21·5	+1·2	0	3	0	0	0	0	0	0	0	0	0
Rajkot	32·9	+1·8	37·2	15	23·6	—0.1	22·4	12	30·8	151·2	—59·3	77·2	25	6	—3·2	28·1	23·5	+0·3	0	6	0	0	3	0	0	0	0	0	0
Bhavnagar Aerodrome	33.6	+0·9	37·0	16	25·0	0	22·9	20	27·0	182·4	+47·0	48·6	25	11	+3·7	22·3	20·0	+3·7	0	13	0	0	2	0	0	0	0	0	0
Porbander Aerodrome	30·3	+1·0	32·4	25	25·5	—0·1	23.5	14,28	60·6	105·9	—43·4	45·4	28	4	—4·5	20·6	16·5	..	1	6	0	0	1	0	0	0	0	0	0
Keshod	31·0	..	34·5	15,18	24·2	..	22·8	25	89·0	141·8	..	39·4	26	6	..	26·4	19·8	..	0	10	0	0	1	0	0	0	0	0	0
Mahuva	33·1	..	34·4	18,19	22·7	..	21·3	2	66·4	178·2	..	57·8	24	7	..	..	..	..	0	13	0	0	0	0	0	0	0	0	0
Veraval	30·1	..	31·9	20 25	25·2	..	23·7	28	51·2	105·4	+13·7	61·9	28	4	—1·9	24·6	23·9	..	4	10	0	0	1	0	0	0	0	0	0
Konkan (including Goa)																													
Dahanu	..	..	..	..	25·9	+0·9	23·8	22,23	102·8	313·6	—183·4	72·4	24	14	—5·3	21·3	20·4	—3 8	0	17	0	0	0	0	0	0	0	0	0
Bombay (Santacruz).	30·0	+0·8	33·2	20	24·5	+0·5	22·0	24 23	195·9	487·5	+53·2	115·3	23	14	—9·3	17.4	13·1	..	2	26	0	0	9	0	0	0	0	1	0
Bombay	29·7	+0·3	31·7	14	25·1	+0.6	22·8	23	122·2	364·6	+24·5	98·1	22	15	—4·0	13·5	12·3	—3·6	1	20	0	0	6	0	0	0	0	6	0
Alibag	28·9	+0·1	31·8	14	24·6	—0·4	22·6	22,23	..	623·3	+205·7	245·0	22	17	—4·1	..	19·5	—4·2	1	23	0	0	9	0	0	0	0	0	0
Bhira	28·4	..	34·4	14	23·4	..	21·7	23	659·9	1134·9	..	124·6	22	28	..	2·8	1·8	..	0	30	0	0	1	0	0	0	0	0	0
Harnai	28·5	+0·5	30·8	17	24·8	+0·3	22·1	22	171·0	521·8	—26·3	142·7	22	21	—1·4	19·6	19·0	—0·9	0	24	0	0	5	0	0	0	0	0	0
Ratnagiri	29·1	..	32·2	14 15	..	..	..	..	123.3	386·1	—99·8	54·7	18	21	—2·3	16·5	5 4	..	0	27	0	0	2	0	0	0	0	0	0
Devgarh	28·5	0	33·0	14	24·1	—0·4	22·5	22	118·4	384·8	—56·4	66·2	17	23	+0·5	24·1	22.6	—2·8	1	23	0	0	1	0	0	0	0	0	0
Vengurla	29·1	+0·4	33·5	14	23·9	0	22·1	22	171·8	424·3	—134·6	73·0	22	21	—3·6	12·5	9·0	..	0	28	0	0	5	0	0	0	0	0	0
Panjim	28·8	..	34·0	14	24·0	..	21·9	8	126·8	401·9	..	64.5	23	18	..	(b) 15·1	(b) 13·0	..	1	28	0	0	3	0	0	0	0	0	0
Mormugao	28·0	..	32·4	14	23·9	..	21·8	8	180·3	446·9	..	68·9	16	20	..	19·1	19·0	..	0	27	0	0	2	0	0	0	0	0	0
Dabolim (N.A.S.)	28·9	..	33·2	14	24·3	..	22·1	8	138·3	376·9	..	45·9	16		..	12 6	10·8	..	1	25	0	0	5	0	0	0	6	7	0
Madhya Maharashtra																													
Nandurbar	31·4	..	36·2	13	22·5	..	21·1	13,21	21·8	115·6	..	51·4	21	10	..	8·5	6·5	..	1	15	0	0	0	0	0	0	0	0	0
Jalgaon	32·8	+1·6	37·3	15	23·2	—0·3	20·9	22 20	56·8	241·0	+70·6	37·8	20	13	+1·5	16·5	13 2	+0·7	0	17	0	0	6	0	0	0	0	0	0
Malegaon	31·0	+0·3	35 2	15	21·7	—0·5	20·3	30	51·0	260·6	+183·4	97·0	18	11	+5·7	11·2	8·8	—5·0	0	15	0	0	0	0	0	0	0	0	0
Ozar	29·2	..	34·3	15	20·9	..	19·7	7	(a) 34·5	267·0	..	104·3	22	16	..	(c) 20·3	16.6	..	0	20	0	0	4	0	0	0	0	1	0
Deolali(Aerodrome)	28·7	..	32·9	13	21·5	..	20·3	10	90·3	214·7	..	58·7	16	16	..	17·2	13 2	..	0	21	0	0	10	1	0	0	0	0	0
Ahmadnagar	30·8	+1·2	35·5	13	19·9	—0·7	18·0	30	72·4	195·1	+126·0	40·6	25	12	+7·4	11·6	8·3	—5·9	0	14	0	0	0	0	0	0	0	0	0
Khandala	..	..	..	..	..	..	..	..	..	682·6	—579·8	88·0	1	21	—8·3	..	..	..	0	26	..	..	..	..	..	..	..	..	..
Poona (Aerodrome)	28·7	..	33·1	14	20·7	..	19·2	9,10	17·3	178·0	..	50·7	19	5	..	..	..	..	10	10	0	0	10	1	0	0	0	1	0
Poona	28·5	+1·0	33·3	14	21·4	+0·1	19·7	12	38·3	159·7	+69·5	45·9	17	11	+2·7	11.5	8·5	..	1	19	0	0	8	0	0	0	0	0	0
Jeur	32·4	+1·7	35·8	15	21·3	+0·3	18·5	7	22·6	82·9	—5·5	26·8	25	5	—1·7	16·1	13·1	—2·5	0	9	0	0	5	0	0	0	0	0	0
Baramati	30·9	+1·5	35 5	15	21·4	—0·1	20·0	30	7·8	72·2	—14·4	19·4	17	6	0	16·1	13·4	—3·2	1	9	0	0	3	0	0	0	0	0	0
Sholapur	33·4	+1·8	40 0	10	21·8	+0 1	20·2	21	25·1	100·4	—8·3	45·0	21	6	—1·0	10·5	9·4	—4·6	0	13	0	0	2	0	0	0	0	0	0
Miraj	29.3	+1·5	31·6	10,15	21 0	—0 1	19·7	30	20·9	70·0	—49·6	38·4	11	4	—5·2	..	..	..	2	13	0	0	3	0	0	0	0	0	0
Kolhapur	28·0	+1·6	31·6	15	20·9	—0 1	20·4	9,12	25·0	120·7	—100·8	36·9	12	10	—8·5	19·6	14·2	—3·0	0	12	0	0	0	0	0	0	0	0	0
Marathwada																													
Aurangabad	30·5	+1·2	33·6	20	21·2	+0·3	19·8	23 20	65·2	225·0	+103·3	40·0	22	13	+4·1	15·3	13·1	—3·2	0	18	0	0	2	0	0	0	0	0	0
Aurangabad (Chikalthan)	30·8	..	35·6	15	21·1	..	19·7	4	42·0	223·5	..	59·1	21	7	..	17·1	13·4	..	2	14	0	0	7	1	0	0	0	0	0
Parbhani	32·1	+1·2	35·2	20	22·4	+0·1	20·6	17	41·0	232·4	+71·9	50·8	12	8	—1·5	10·9	8·6	—3 7	0	12	0	0	7	0	0	0	0	0	0
Nander	32·7	..	36·2	20	22·8	..	21·4	21,24	60·4	139·8	..	68·2	21	6	..	9 9	6·6	..	0	9	0	0	2	0	0	0	0	0	0
Bir	31·8	..	34·8	20	21·8	..	20·0	6	73·8	269·2	..	56·4	20	11	..	8 3	6·2	..	0	16	0	0	5	0	0	0	0	0	0
Vidarbha																													
Gondia	31·6	+1·7	34·8	10,20	24·1	—0·1	22·6	30	161·4	198·3	—226·5	48·1	22	10	—6·9	6.8	4·2	—1·4	0	14	0	0	6	0	0	0	0	0	0
Nagpur (Sonegaon)	32·1	+1·4	35·4	20	23·1	—0·7	21·2	31	111·6	145·9	—144·2	36·9	14	11	—2·3	12·6	9·5	..	1	18	0	0	12	0	0	0	0	2	0
Amravati	32·2	+2·3	35·8	11	23·2	+0·4	22·0	1	47·6	185·8	+18·9	52·2	21	9	—0·8	15·0	10·7	+0·1	1	11	0	0	3	0	0	0	0	0	0
Akola (Aerodrome)	32·5	..	36·8	15	21·9	..	20·6	21,29	66·3	196·6	..	49·0	21	13	..	11·0	9·0	..	0	14	0	0	8	0	0	0	0	0	0
Akola	32·7	+1·9	36·5	15	21·4	—1·8	19·8	29	33·4	159·7	—0·8	42·0	21	12	+2·9	12·9	8·6	—1·7	0	13	0	0	3	0	0	0	0	0	0

(b) Mean of 29 days. (a) Total for 30 days. (c) Total for 28 days.

Sub-Division and station	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2·5 mm. or more): Total in the month	Departure from normal	Wind speed, km. per hour: Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Weather phenomena—No. of days with: Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Vidarbha—*Contd.*																													
Bramhapuri	32·4	..	35·4	10	24·3	..	22·6	26	20·6	98·0	..	26·4	11	6	..	8·4	6·0	..	0	9	0	0	2	0	0	0	0	0	0
Buldhana	29·1	+1·7	34·0	15	20·7	−0·5	19·5	29	66·9	222·9	+31·9	80·0	20	15	+2·8	10·5	9·1	−2·3	0	19	0	0	4	0	0	0	0	0	0
Yeotmal	31·5	+2·2	34·8	15	22·4	+0·2	20·8	12	67·6	155·6	−111·4	39·8	26	12	−1·0	15·0	12·0	−4·1	0	13	0	0	2	0	0	0	0	0	0
Chanda	32·8	+2·1	35·1	9	24·4	+0·4	22·7	31	151·6	209·4	−110·6	97·0	31	11	−3·8	11·9	7·4	0	0	13	0	0	11	0	0	0	0	0	0
Pusad	32·7	..	35·4	16,20	22·8	..	21·1	16,21	10·8	182·4	..	99·6	24	7	..	9·4	8·3	..	0	12	0	0	0	0	0	0	0	0	0
Sironcha	32·6	+1·9	35·0	10	24·7	+0·2	22·7	28	39·4	190·4	−244·5	122·4	24	12	−4·3	6·9	5·1	−0·5	0	16	0	0	0	0	0	0	0	0	0
Coastal Andhra Pradesh																													
Kalingapatam	32·6	+0·4	35·8	5	25·4	−0·5	23·6	25	84·1	159·8	−12·9	54·7	25	8	−1·5	14·9	10·1	+0·3	0	11	0	0	0	0	0	0	0	0	0
Vishakhapatnam	34·0	+0·8	37·8	5	25·9	+0·2	22·9	30	49·6	220·5	+89·4	111·8	25	9	+0·8	16·4	10·6	−1·6	1	15	0	0	9	0	0	0	0	2	0
Kakinada	33·7	+1·6	35·5	12	25·0	−0·7	22·3	19,25	12·6	117·6	−23·6	43·0	21	7	−2·6	12·7	8·9	+0·2	0	9	0	0	4	0	0	0	0	0	0
Nidadavole	32·3	..	35·6	9	25·3	..	23·5	23	67·6	215·6	..	43·7	24	11	..	11·3	7·5	..	0	14	0	0	2	0	0	0	0	0	0
Rentachintala	34·2	+0·4	36·4	4,6,9	25·2	−0·6	22·0	16	111·0	214·0	+124·1	52·0	10	8	+0·2	10·0	6·9	−6·9	0	8	0	0	1	0	0	0	0	0	0
Gannavaram	32·7	+0·6	36·5	9	25·2	+0·1	22·9	18	43·3	93·5	−110·8	24·9	27	9	−2·9	17·3	12·2	−3·1	2	14	0	0	11	0	0	0	0	0	0
Nagarjunakonda (R)																													
Masulipatnam	32·3	−0·6	36·1	8	25·1	+0·4	22·2	30	163·0	144·8	−14·2	42·2	22	9	−1·2	3·0	3·9	−5·8	0	11	0	0	9	0	0	0	0	0	0
Ongole	34·9	..	39·6	9	25·9	..	22·7	16	6·8	97·0	..	27·4	31	7	..	12·6	9·4	..	0	8	0	0	0	0	0	0	0	0	0
Nellore	34·6	−1·0	37·8	8	25·5	−0·8	22·4	21	5·6	182·0	−105·3	94·2	21	10	+4·5	12·8	9·4	+0·5	0	14	0	0	0	0	0	0	0	0	0
Telangana																													
Ramgundam	33·6	+2·1	36·2	20	22·6	−2·0	19·8	24,31	101·6	181·0	−49·7	52·6	31	10	−4·2	8·8	6·0	−0·1	0	11	0	0	4	0	0	0	0	0	0
Nizamabad																													
Hanamkonda	32·4	+2·0	34·6	20	24·0	+0·1	21·3	16	39·6	185·8	+8·5	67·2	22	9	−1·7	10·8	8·5	−1·2	0	13	0	0	3	0	0	0	0	0	0
Hakimpet (Aerodrome)	29·7	..	32·5	16	21·5	..	19·2	16	99·7	171·5	..	61·9	22	15	..	..	..	..	0	20	0	0	6	0	0	0	0	0	0
Bhadrachalam	33·3	+2·0	36·8	21	25·3	+0·7	23·0	31	48·8	129·4	−152·3	41·0	25	8	−6·4	6·2	5·2	−2·0	0	9	0	0	0	0	0	0	0	0	0
Hyderabad (Begumpet)	30·9	+1·3	34·6	14	21·6	−0·3	20·3	17	16·0	69·6	−64·8	17·6	6	6	−3·9	18·0	12·9	−3·5	1	15	0	0	4	0	0	0	0	3	0
Khammam	33·1	..	35·2	9,15,20	24·6	..	22·3	16,17	57·9	131·2	..	31·2	24	8	..	7·5	4·9	..	0	10	0	0	0	0	0	0	0	0	0
Mahbubnagar	31·6	..	33·6	20	22·6	..	21·4	4	3·4	60·8	..	43·0	22	3	..	11·5	9·2	..	0	8	0	0	0	0	0	0	0	0	0
Rayalaseema																													
Kurnool	32·8	+0·3	34·8	5,6	23·5	0	22·1	11	41·0	111·7	−2·6	41·0	10	6	−2·6	15·0	13·3	−1·5	0	9	0	0	0	0	0	0	0	0	0
Nandyal (R)																													
Anantapur	33·0	+0·4	36·0	8	23·6	0	21·4	11	16·5	110·6	+36·1	43·0	11	6	+1·2	16·3	15·2	−2·4	0	12	0	0	6	0	0	0	0	0	0
Cuddapah	33·7	−1·1	36·6	5	24·7	−0·6	22·7	17,18	15·8	156·6	+23.5	30·0	27	15	+7·3	..	..	..	0	17	0	0	0	0	0	0	0	0	0
Arogyavaram	31·7	..	33·8	8,10,11	19·7	..	17·2	27	33.1	166·4	..	33·1	13	14	..	15·3	10·3	..	0	15	0	0	0	0	0	0	0	0	0
Madras State (Including Pondicherry)																													
Madras	32.6	..	35·5	8	24·7	..	21·4	31	1·1	188·3	..	59·8	21	8	..	10·0	7·5	..	1	13	0	0	1	0	0	0	0	0	0
Madras (Minambakkam)	33·1	−1·8	35·7	8	24·4	−1·2	21·9	29	1·1	131·6	+15·3	38·2	1	11	+3·1	12·7	10·3	−5·3	0	16	0	0	7	0	0	0	0	4	0
Vellore	33·3	−0·7	37·6	5	23·5	−1·2	20·1	31	42·9	172·8	+27·0	34·4	10	10	+2·6	9.8	8·0	+1·6	2	16	0	0	10	0	0	0	0	0	0
Tambaram (Aerodrome)	33·3	..	35·5	4,29	24.4	..	21·7	2,5,21	18·6	194·6	..	29·5	13	13	..	..	..	..	0	15	0	0	13	0	0	0	0	0	0
Tiruppattur	32·9	..	37·3	5	22·5	..	20·3	22	13·5	293·9	..	112·0	29	12	..	7·4	5·0	..	0	12	0	0	0	0	0	0	0	0	0
Mettur Dam R. S.	33·3	..	36·9	7	23·3	..	21·4	10	9·1	218·0	..	85·8	10	10	..	3·9	4·1	..	0	17	0	0	0	0	0	0	0	0	0
Cuddalore	32·9	−1·7	35·9	3	24·0	−1·0	21·0	7	4·0	190·4	+68·5	47·4	16	12	+4·9	9·0	8·2	+1·4	0	13	0	0	3	0	0	0	0	0	0
Kallakkurichchi	33·6	..	36.1	3	23·8	..	20·1	7	19·0	292·0	+59·7	124·2	7	9	+1·4	4·9	5·0	..	1	18	0	0	7	0	0	0	0	0	0
Salem	32·0	−1·5	35·7	5	23·3	+0·4	21·7	8	11·4	257·3	+90·4	56·3	8	13	+3·1	6·3	5·5	−0·5	1	18	0	0	16	0	0	0	0	0	0
Coimbatore (Pilamedu)	31·3	..	33·4	28	21·7	..	19·6	1	5·9	24·7	..	12·0	12	4	..	26·8	25·0	..	0	6	0	0	8	0	0	0	0	0	0
Coimbatore.	31·1	−0·3	33·0	27	21·6	−0·1	19·7	1	..	19·7	−1·5	8·0	12	4	+0·9	..	12·7	+4·0	0	4	0	0	0	0	0	0	0	0	0
Nagapattinam	32·8	−1·3	37·1	4	24·9	−0·5	23·0	12	0·3	94·3	+16·8	21·4	12	7	+2·1	11·2	9·1	+0·7	0	12	0	0	4	0	0	0	0	0	0
Tiruchirappalli	34·6	−1·2	38·4	5	24·6	−0·5	22·2	6 11	0·5	220·3	+123·0	77·8	6	7	+2·3	15·6	14·0	+10·5	3	11	0	0	15	0	0	0	5	0	0
Vedaranniyam	34·1	..	37·2	4	23·5	..	20·6	14	23·1	148·4	..	54·2	21	10	..	5·7	4·3	..	0	12	0	0	0	0	0	0	0	0	0
Atirampattinam	32·8	..	36·6	9	24·4	..	22·2	16,19	2·4	215·0	..	43·0	12	8	..	10·5	8·9	..	0	14	0	0	1	0	0	0	0	0	0
Madurai	34·9	−0·2	38·5	5	24·4	−0·3	22·5	16	..	99·7	−3·9	16·6	13	10	+4·0	..	4·3	−1·8	0	14	0	0	8	0	0	0	0	0	0
Madurai (Aerodrome).	34·0	..	37·7	5	24·1	..	21·6	29	41·2	173·0	..	69·2	5	9	.	11·7	10·1	..	1	13	0	0	12	0	0	0	0	0	0
Tondi	31·5		35·5	23	25·1	..	22·5	28	2·4	41·6	..	22·6	16	3	..	15·0	12·7	..	0	11	0	0	6	0	0	0	0	0	0
Pamban	32·2	+0·5	34·4	9	25·9	−0·1	23·3	12	1·5	26.5	+1·5	15·6	16	3	+2·0	15·8	11·4	−1·6	0	4	0	0	0	0	0	0	0	0	0
Tuticorin	33·7	−0·8	36·9	2	25·3	−1·0	23·6	14	0	2·3	−2·7	2·3	11	0	−0·8	19·2	14·9	−4·3	0	1	0	0	0	0	0	0	0	0	0
Palayankottai	35·9	+1·1	38·6	5	26·3	−0·1	23·8	12	42.4	42·4	+25·1	36·8	12	2	+1·0	18·1	17·9	+0·3	0	4	0	0	1	0	0	0	0	0	0
Kanniyakumari	31·3	..	33·9	9	24·7	..	22·6	13	0	1·8	..	1·8	18	0	..	24·4	22·3	..	0	1	0	0	0	0	0	0	0	0	0
Coastal Mysore																													
Karwar	27·5	−0·4	30·6	14	23·9	−0·2	22·1	18	131·1	568·1	+31·7	84·9	1	22	−2·2	8·3	7·0	..	0	27	0	0	0	0	0	0	0	0	0
Honavar	28·2	−0·5	30·1	15	23·3	−0·3	22·0	18	201·7	770·0	+67·4	110·5	1	24	−1·7	..	..	..	3	28	0	0	4	0	0	0	0	0	0
Mangalore (Bajpe)	28·1	..	29·8	14	22·9	..	21·9	20	185·0	625·0	..	76·4	20	25	..	10·1	7·0	..	1	28	0	0	2	2	0	0	0	0	0
Mangalore	28·9	+0·1	31·9	8	..	..	..	..	186·0	532·0	−65·4	74·2	20	24	−1·1	10·5	8·3	+1·1	0	28	0	0	0	0	0	0	0	0	0

(R) Register not received.

Sub-Division and station	Air temperature in °C.								Rain fall millimetres					No. of rainy days (2.5 mm. or more)		Wind speed, kms. per hour.			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hour	Mean 24 hours	Departure from normal	Precipitation (0·1 or 0.2mm.)	Precipitation (0·3mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	[illegible]
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28
Interior Mysore North																												
Bidar	29·7	+0·8	33·0	15	21·1	0	19·4	17	26.8	164.4	—2.2	76.4	17	10	—0·1	16.6	14.5	—3.2	1	16	0	0	0	0	0	0	0	0
Gulbarga	31·8	+0.2	35·0	20	22 1	+0·2	20·2	21	10.3	132.9	+4·1	30.6	9	9	+1·3	16 6	13·3	—1 3	0	10	0	0	0	0	0	0	0	0
Bijapur	31·8	+1·4	34·6	10	21.7	+0·6	20.8	6	0	114.5	—53·5	82.5	10	6	+2·3	13·5	11·4	—1·8	0	6	0	0	0	0	0	0	0	0
Raichur	33·5	+1.3	35·6	8	22·7	+0·1	21.6	21,23	9·2	44.9	—66.6	13.7	21	6	—1.8	14·7	15·2	—0·2	0	9	0	0	0	0	0	0	0	0
Belgaum	26·6	+1·0	29·6	13	20·2	+1.2	19·4	8,22	42.8	97.0	—141·0	13.2	1	12	—5 6	7·1	4·8	—8·0	1	25	0	0	0	0	0	0	0	0
Belgaum (Samra)	26·9	..	30·0	14	20·3	..	19·6	22,30	56.2	81.7	..	19.6	22	7	..	17·2	12·5	..	2	18	0	0	1	0	0	0	0	0
Gadag	29·5	+0·8	31·8	20	20·7	—0·1	18·3	15	37.5	89.1	—14·5	21.2	11	6	—2·3	16·5	14·5	—2·1	2	7	0	0	6	0	0	0	0	0
Interior Mysore South																												
Bellary	32·4	—0.1	35·0	5,7	23·5	+0·2	22·3	10	44.0	98.0	+37 5	15.0	11	6	+2·0	17·5	12·2	—0 5	0	6	0	0	0	0	0	0	0	0
Chitradurga	28·7	+0·6	31·5	12	20·6	+0·3	19·2	12	8.6	78·0	—7·9	33.0	12	5	—2·4	11·8	11·4	—0.5	2	10	0	0	2	0	0	0	0	0
Shimoga	28·2	+1·1	31·1	8	21·5	+0·5	20·7	1, 22	59.4	83.0	—44 7	17.6	2	6	—8.1	7 7	4·1	—2·1	0	12	0	0	4	0	0	0	0	0
Agumbe	23·3	..	26·6	14	19·4	..	18·6	10,17 21	..	360.4	..	61.3	2	15	..	..	5·0	..	1	30	0	0	0	0	0	0	0	0
Balchonnur	24·8	+1·5	28·4	16	12·8	—0·4	16·5	1	..	267.8	—326 6	35.4	10	16	—8 5	..	..	..	0	28	0	0	2	10	0	0	0	0
Hassan	25·9	0	28·9	31	18·7	+0·2	17 9	4,28	19.9	39.5	—59 6	9.4	11	5	—4·2	11·7	9 6	—0·4	0	11	0	0	1	0	0	0	0	0
Bangalore	27·6	+0·2	30·0	7	19·5	+0·8	18·3	14	66.5	357.1	+320·6	94.0	10	13	+3·7	12·9	11·4	—0 3	1	16	0	0	9	0	0	0	0	4
Bangalore (Aerodrome)	27·7	..	31·5	30	18·8	..	17·6	2	42.4	249.0	..	69.6	11	17	..	..	..	..	0	19	0	0	9	0	0	0	0	0
Mysore	28·3	0	30·5	7	19·8	+0·5	18·6	1	33.2	68.4	—15·2	16·0	10	6	—1·0	17.9	13·5	+1·1	0	7	0	0	0	0	0	0	0	0
Kerala																												
Calicut	28·9	+0·6	30·6	16	23·7	+0·2	21·6	1	57.7	279.7	—156.2	61.2	21	17	—2·3	12·4	9·9	+2·7	0	19	0	0	2	0	0	0	0	0
Palghat	29·3	..	31·2	9	22·9	..	21·3	1	74.2	243.6	..	88.8	13	10	..	13·8	11·5	..	0	19	0	0	0	0	0	0	0	0
Fort Cochin	28·1	+0·1	29·5	24	23·7	—0·2	21·9	1	46.6	309·5	—43.3	31·6	13	22	+3·3	17·2	11·8	+3·0	0	27	0	0	1	0	0	0	0	0
Cochin (Naval Air Station)	29·0	..	30·1	24, 28	23·7	..	21·6	1	58.2	293.2	..	36·0	13	24	..	13·3	9·5	..	0	27	0	0	8	0	0	0	0	5
Alleppey	28·9	0	30·6	6	23·4	—0·2	21·8	1	75.6	301·4	—76·4	59·2	13	25	+5.4	15·2	13·4	+2·6	0	28	0	0	0	0	0	0	0	0
Punalur	30·5	..	33·3	29, 30	22.4	..	21·2	1	157.2	286 2	..	52·6	8	20	..	4·1	2 7	..	0	21	0	0	0	0	0	0	0	0
Trivandrum	29·2	+0·1	31·0	29	23·4	+0·1	22·2	10	28.8	103.2	—16·9	35.8	12	9	—0·8	16·3	11 5	+0·9	1	18	0	0	1	0	0	0	0	0
Trivandrum (Aerodrome)	29·4	..	31·3	2	23·8	..	22·4	12	..	91·4	..	33·2	12	11	..	..	11·8	..	1	16	0	0	1	0	0	0	0	0
Arabian Sea Islands																												
Amini	29.4	—0.2	30.5	5,9	25.0	—0.3	22.2	12	102.1	432.1	—235·0	232 4	13	13	+1·7	35.7	35.5	+14.4	1	21	0	0	0	0	0	0	2	0
Agotti	29·0	..	29·8	4	26·2	..	23·6	10	86·0	239·0	..	90·5	13	12	..	27·2	26·7	..	2	16	0	0	0	0	0	0	0	0
Androth	29·8	..	30·4	8 days	25·0	..	22·3	11	68·6	278·8	..	113·0	13	11	..	10.8	9·5	..	1	16	0	0	0	0	0	0	0	0
Minicoy	29.6	+0.3	30.6	5	24.8	—0.3	22.2	10	41.8	175.9	22.5	49 4	14	9	—2·8	20.5	18.9	+2.8	1	14	0	0	0	0	0	0	0	0
Hill Stations (excluding Kashmir																												
Dalhousie	23·1	+0·4	26·0	13,15 20	14·0	—2·5	12·0	4 days	323·0	685·0	+65·0	89·0	21	23	+1·7	1·1	2·1	0	0	25	0	0	3	0	0	0	0	0
Dharmsala	26·6	+0·3	29·4	18	19·8	—0 7	17.8	20,25	122.2	289·8	—740·4	77·6	21	12	—11·7	5·7	3·7	+0·1	1	17	0	0	14	0	0	0	0	0
Simla	20·4	+0 2	24·1	15	..	..	..	..	46·7	111.4	—316·6	32·7	28	8	—11·7	1·3	1·0	—0·5	1	11	0	0	1	0	0	0	0	0
Dharmpur	..	..	..	..	..	..	..	..	..	137·4	+181·6	37·2	1	10	—6·5	..	..	..	0	13	..	..	..	..	..	.	..	..
Lokpal	10·3	..	11.8	8	6·0	..	5·4	10	..	192·8	..	25·6	1	17	..	..	..	..	0	21	0	0	0	29	0	0	0	0
Badrinath (R)																												
Joshimath	24·8	..	27.4	20	16·3	..	14·0	22,23	35·8	93·2	..	13·2	20	11	..	6.0	3·4	..	1	20	0	0	0	1	0	0	0	0
Mussoorie	20·2	+0·1	24·6	16	..	..	..	..	195·4	550·0	—144·4	169·2	20	19	—4·8	7·0	6·3	+0·5	0	20	0	0	7	1	0	0	0	0
Mukteswar (Kumaun)	21·0	+1.0	25·2	20	12·6	—1·5	10·4	4	160.2	239·0	—72·0	81·0	22	11	—6·9	16·5	14·7	+6·5	0	15	0	0	5	11	0	0	0	0
Nainital	21.1	0	23·4	15	15·6	—0·8	13.0	30	438·0	675·0	+114·3	129·0	3	18	—4·9	10·5	8·4	+1·4	0	23	0	0	0	0	0	0	0	0
Kalimpong	..	..	..	..	18·8	—0·8	17·0	12,13	206·4	639·0	+134·1	73·0	20	27	+5·5	17·2	14·4	+5·9	0	27	0	0	0	0	0	0	0	0
Darjeeling	18·0	—1·4	20·3	23,31	14·5	—0·7	13.0	2 1	243·0	749·2	—147·6	99·0	25	28	+4·3	3·8	2 6	—0 3	0	29	0	0	0	17	0	0	0	0
Kohima	23·4	..	26·3	2,31	19·5	..	18·2	6 days	120·8	300·1	..	36·2	18	25	..	..	1·9	..	0	27	0	0	0	20	0	0	0	0
Shillong	24·8	+0·9	27·6	30	16 8	—1.0	14·8	29	80·4	243·6	—73·7	40 2	20	13	—5·5	(a) 2·5	2·0	—0·7	0	17	0	0	0	0	0	0	0	0
Cherrapunji (R)																												
Abu	23·9	+1·7	30·2	19	17·6	—0·4	15·6	10	49.6	362.4	—215·5	258.8	28	11	—6·4	16·1	10·8	—1·8	0	14	0	0	2	1	0	0	0	0
Aijal	24.8	..	28.8	31	18.5	..	17.2	12	(a) 75.3	140.9	..	24.8	6	12	..	10.5	9.1	..	0	16	0	0	0	0	0	0	0	0
Pachmarhi	25·7	+1·9	28·2	21	19·1	—0·3	16·4	17	118.4	257·6	—347·4	31·8	17	16	—5·9	6·5	6·7	—3.6	0	20	0	0	10	0	0	0	0	0
Mahabaleshwar	20·2	+1·5	24·7	14	16·4	0	14·8	23	427.5	1098.3	—758·7	187.1	1	26	—3·8	14·2	14·6	—2·8	2	26	0	0	4	31	0	0	0	0
Mercara	21·3	+0·6	24·8	12	16 2	—0·5	15·0	1, 22 23	157.8	386.8	—293·9	46.4	2	18	—8·5	15·3	13·3	+3·0	0	26	0	0	1	15	0	0	0	0
Ootacamund	18·8	+1·7	20·6	14	11·1	+0·2	9·6	6,7,30	81.8	118 8	—25·7	24.2	28	9	—3·3	4·3	2·5	—6·0	1	13	0	0	0	0	0	0	0	0
Coonoor (R)																												
Kodaikanal	17·9	+0·8	20·0	5	11·0	—0·1	10.1	1	193.3	245·2	+67·4	38·7	13	15	+2.9	9·5	11·7	—2·1	3	20	0	0	14	2	0	0	0	0
Nepal																												
Katmandu	26·3	..	29·7	31	19·1	..	17·8	20	61·8	342·0	..	67·0	19	21	..	1·2	0·4	..	1	24	0	0	2	0	0	7	0	0
Sikkim																												
Lachen (R)																												
Hydrometeorological Observatories																												
Damodar Catchment																												
Tilaiya	30·8	..	34.1	10	24·3	..	22·6	14,30	153·4	321·1	..	59·4	3	15	.	9·3	6·9	..	2	17	0	0	6	0	0	0	0	0
Hazaribagh	29·1	..	31·7	10	22·1	..	20·5	30	61·8	187.4	..	61·2	25	13	..	9·8	6·1	..	2	19	0	0	10	0		0	0	0
Konar	37.1	..	37.7	13	23.8	..	22.3	13	33.1	203.5	..	77.2	25	14	..	6.4	5.0	..	0	17	0	0	0	0	0	0	0	0

(R) Register not received

Sub-Division and station	Air temperature in °C								Rainfall in millimeters					No. of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0·2mm.)	Precipitation (0, 3mm, or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground Frost	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Hydrometeorological Observatories.—(Contd.)																													
Damodar Catchment.—(Contd.)																													
Bokaro	32·4	..	35·3	19	22·2	..	20·9	15	125·6	235·4	..	37·2	25	14	..	6·8	4·6	..	2	18	0	0	2	0	0	0	0	0	0
Maithon	32·7	..	35·4	8,10	23·2	..	21·3	16	141·7	238·5	..	55·0	2	15	..	..	..	..	0	20	0	0	10	0	0	0	0	0	0
Ramgarh	32·7	..	37·9	7	24·3	..	23·0	25	80·6	193·0	..	60·8	25	12	..	4·9	3.7	..	1	16	0	0	6	0	0	0	0	0	0
Panchet Hills	32·0	..	34·9	10	25·5	..	23·9	15,25	129·4	187.6	..	46·2	15	11	..	6·1	5·0	..	0	18	0	0	1	0	0	0	0	0	0
Durgapur	31·8	..	35·3	9	24·8	..	22·5	11	0	322·8	..	87·2	11	14	..	12.7	10.3	..	0	16	0	0	7	0	0	0	0	0	0
Mahanadi Catchment.																													
Ginabahar	30·5	..	32·9	20	21·7	..	19.1	17	..	370·6	..	92·2	25	20	..	..	..	..	0	24	0	0	6	0	0	0	0	0	0
Hirakud	32·7	..	34·5	9,10	25·3	..	23·4	12	111·0	219·2		58·9	12	7	..	4·8	3·7	..	0	15	0	0	15	0	0	0	0	0	0
Bhimkund	30·8	..	33·6	30	23·6	..	22·0	12	142·9	174·3	..	33·0	25	12	..	2·8	1·5	..	0	18	0	0	21	0	0	0	0	0	0
Sonepur	32·5	..	39·0	9	25·5	..	23·2	4	..	188.0	..	54·4	24	12	..	..	7·3	..	0	16	..	..	..	..	..	..	..	..	..
Khijrawan	30·8	..	33·1	10	..	..	..	..	0	113·0	..	36·0	11	7	..	10·7	7·1	..	0	12	..	..	..	..	..	..	..	..	..
Narmada Catchment.																													
Bagra Tawa	31·4	..	35·2	21	23·5	..	22 0	16	133·7	202·1	..	69·0	25	10	..	7·6	5·9	..	0	15	0	0	3	0	0	0	0	0	0
Punasa	32·9		37·1	20	23·7		21·9	14,15	31·0	103·0		35·0	25	5		..	..	..	0	5	..	..	..	..	..	..	..	..	..
Thikri	33·1	..	35·6	14,15	23·9	..	20·7	2	..	131·4	..	35·2	21	8	..	..	..	..	0	16	..	..	..	..	..	..	..	..	..
Sabarmati Catchment.																													
Daroi	33·1	..	38·0	20	24·9	..	22 8	24	58·7	143·5	..	64·2	28	6	..	..	..	..	0	7	0	0	0	0	0	0	0	0	0
Gandak Catchment																													
Jomosom	23·5	..	25·6	8,9	13·9	..	11.0	28	30·0	40·2	..	36·2	29	2	..	..	..	..	0	2	..	..	..	..	..	..	..	..	..
Khudi Bazar	27·1	..	30·6	25	21·0	..	19.0	29	201·0	865·6	..	206·4	12	29	..	..	..	..	0	31	..	..	..	..	..	..	..	..	..
Timure	24·8	..	27·1	7	..	..	..	..	10·0	166·9	..	18·0	2	19	..	..	..	..	1	22	..	..	..	..	..	..	..	..	..
Pokhara	27·3	.	30·6	23	21·4	..	19 6	29	235·5	971·2	..	150·1	10	22	..	2 8	1·7	..	2	26	0	0	5	0	0	0	0	0	0
Gorkha	26·0	..	28·9	6	20·9	..	19 6	29	99·5	321·3	..	69 9	11	18	..	..	..	..	4	22	0	0	11	25	0	0	0	0	0
Nuwakot	28·1	..	30·5	6	20·5	..	19 2	11	80·5	440·2	..	86·1	3	21	..	..	..	..	0	24	..	..	..	..	..	..	..	..	..
Ghaghara Catchment (Trans Himalayan Region)																													
Dailekh	26·2	..	27·6	14	19·3	.	18 1	10,15 21	83·8	318.8	..	50·0	13	17	..	..	..	..	0	17	..	..	..	..	..	..	..	..	..
Ghaghara Catchment.																													
Dadeldhura	22·7	..	25·4	14	16.3	..	14·0	22	163·3	349·4	..	56·3	21	16	..	5·3	4·4	..	0	17	0	0	2	13	0	0	0	0	0
Sallayana	25·3	..	28·9	15	18·3	..	16·6	29	87·1	263·9	..	41·4	29	16	..	..	..	..	0	27	..	..	..	..	..	..	..	..	..
Butwal	31·1	..	34·4	23	24·4	..	22·4	29	426·0	1078.7	..	297·8	11	24	..	..	..	.	0	27	..	..	..	..	..	..	..	..	..
Baghmati Catchment.																													
Katmandu*																													
Kosi Catchment.																													
Chautara	24.8	..	27·2	25	17·8	.	16·4	22,23	97·4	566·0	..	62·0	19	25	..	..	..	..	0	29	..	..	..	..	..	..	..	..	..
Walungchung Gola	14·8	..	17·9	31	9·2	.	7·4	26	122·8	365·9	..	32·3	25	29	..	..	..	..	0	31	.	..	..	..	..	..	..	..	..
Taplethok	25·2	..	30·1	31	17·8	.	16·8	16,21 25	0	421·5	.	29·4	3	28	..	..	.	..	0	30	..	..	..	..	..	..	..	..	..
Bhojpur	22·5	..	25·6	23	17·6	.	16·5	21	73·9	334·5	.	94·0	19	20	..	..	..		0	23	..	.	..	..		..	..	..	..
Taplejung	22·5	..	25·4	3,4	16·8		15·5	21	68 6	545·7		54·4	8	26	..	4·3	2·6	..	0	28	0	0	0	23	0	0	0	0	0
Okhaldunga	22·5	..	25·4	24	16·2	.	15·3	21,23 25	92·9	378·0	..	60·8	19	22	..	4·0	3·6	..	0	26	0	0	0	26	0	0	0	0	0
Chainpur	26·3	..	29·0	4,31	19·5	..	18·4	21,26	69·8	825·2	..	35·2	21	21	..	..	..	.	0	25	..	..	..	.	..	.	..	..	..
Angbung	..		..	..	..	..	..	.	108·6	536·9	..	70·3	8	21	..	..	..	..	0	21	..	..	..	..		..	..	..	..
Barahakshetra	29·7	..	34·4	23	23·4	..	21·4	15	198·3	649·8	..	83·1	10	25	..	3·7	1·8	..	1	27	0	0	5	0	0	0	0	0	0
Tista Catchment.																													
Gangtok	21·9	..	27·1	4	16·5	.	21·5	26	144·4	698·5		75·2	19	28	..	0·6	0·6	..	0	29	0	0	0	28	0	0	0	0	0
Gezing	23·9	..	28·0	31	17·6	..	6·0	26	75·6	773·2	.	116·2	28	24	..	..	..	..	0	24	..	..	..	..	.	..	..	..	

*Data included under 'Nepal'.

Sub-Division and station	Hour of observation I. S. T	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in, Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bay Islands																											
Maya Bandar	0830	28	1008·7	1005·6	..	27·0	25·7	25·1	31·9	89	..	5·8	..	7·3	0	3	22	0	1	1	0	1	18	4	0	6	0
	1730	,,	1006·4	1003·3	..	26·5	25·3	24·8	31·3	91	..	5·9	..	8·7	0	0	28	0	0	1	2	2	16	7	0	3	0
Long Island	0830	25	1009·0	1006·2	..	27·4	25·6	24·8	31·3	86	..	6·1	..	1·5	0	0	12	0	0	0	0	1	9	2	0	19	0
	1730	,,	1006·6	1003·8	..	26·7	25·1	24·4	30·5	87	..	6·1	..	0·8	0	0	8	0	0	0	0	0	8	0	0	23	0
Port Blair	0530	79	1007·9	999·0	..	24·6	23·8	23·4	28·8	94	..	6·6	..	10·3	0	7	18	1	0	0	0	0	1	16	7	6	0
	0830	,,	1009·4	1000·5	+1·0	26·9	25·8	24·1	30·0	85	+1	7·1	+0·5	16·5	0	11	18	2	0	0	1	0	3	17	6	2	0
	1130	,,	1008·5	999·6	..	27·8	25·4	24·3	30·4	82	..	7·0	..	18·7	0	15	15	2	1	0	0	5	3	15	4	1	0
	1730	,,	1007·3	998·3	..	26·1	24·6	23·9	29·7	88	..	6·9	..	13·5	0	10	18	1	0	0	0	1	2	17	7	3	0
	2330	,,	1008·7	999·7	..	24·9	24·2	23·9	29·7	93	..	5·5	..	11·0	0	6	20	2	0	0	0	2	11	17	4	5	0
Car Nicobar	0830	10	1009·9	1008·8	..	27·1	24·9	23·9	29·7	83	..	5·3	..	2·7	0	0	20	0	0	0	0	0	14	4	2	11	0
	1730	,,	1008·0	1006·7	..	26·7	24·6	23·7	29·3	84	..	5·3	..	1·7	0	0	15	0	0	0	0	0	11	3	0	16	1
Nancowry	0830	26	1010·5	1007·5	..	27·0	24·9	23·9	29·7	84	..	5·7	..	10·0	0	4	22	0	0	0	0	0	22	4	0	5	0
	1730	,,	1008·1	1005·2	..	26·6	24·7	23·9	29·7	85	..	6·3	..	8·9	0	4	22	1	0	0	0	1	19	4	1	5	0
Kondul	0830	8	..	..	..	26·4	24·9	24·3	30·4	88	..	6·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	26·2	24·8	24·2	30·2	89	..	6·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Assam (Including NEFA)																											
Pasighat	0830	157	1005·9	988·2	..	25·3	24·1	23·5	28·9	91	..	7·4	..	5·5	0	1	20	1	0	2	4	0	1	0	13	10	0
	1730	,,	1002·3	984·8	..	26·8	25·0	24·2	30·2	87	..	6·2	..	3·2	0	1	14	0	2	0	4	0	3	0	6	16	0
Dibrugarh (Mohnabari)	0230	111	1003·8	991·2	..	24·6	24·0	23·7	29·3	95	..	7·3	..	5·7	0	1	23	0	18	2	0	2	1	1	0	7	0
	0530	,,	1004·2	991·5	..	24·3	23·8	23·5	28·9	96	..	7·6	..	5·3	0	0	28	1	17	5	3	0	2	0	0	3	0
	0830	,,	1005·4	992·9	+1·2	26·4	24·8	24·1	30·0	88	+3	7·2	+0·9	6·1	0	0	28	0	13	10	2	0	3	0	0	3	0
	1130	,,	1004·3	991·9	..	28·2	25·5	24·3	30·4	80	..	7·1	..	6·8	0	1	28	4	12	4	0	3	2	2	3	2	0
	1430	,,	1001·8	989·4	..	29·4	25·9	24·3	30·4	75	..	6·3	..	8·4	0	0	31	3	17	3	1	0	3	0	4	0	0
	1730	,,	1001·6	989·1	..	28·0	25·5	24·5	30·7	81	..	6·1	..	5·9	0	1	25	2	14	3	2	0	3	0	2	5	0
	2030	,,	1004.0	991.7	..	25.9	24.8	24.3	31·3	91	..	5.7	..	5.2	0	0	21	0	17	2	0	0	1	0	1	10	0
	2330	,,	1004.4	991.9	..	25.2	24.3	23.9	29.7	92	..	6.7	..	6.4	0	0	25	2	20	1	0	0	1	0	1	6	0
D'gboi	0830	152	1007·1	989·9	..	26·4	24·9	24·3	30·4	88	..	4·4	..	3·8	0	0	30	1	10	15	1	0	1	0	2	1	0
	1730	,,	1004·3	987·1	..	27·7	25·8	24·9	31·5	86	..	4·0	..	4·1	0	0	26	2	6	9	1	5	0	1	2	5	0
North Lakhimpur	0830	102	1005·7	994·2	+1·9	26·4	24·9	24·3	30·4	89	—1	7·5	+0.4	4·5	0	0	26	10	5	3	0	7	0	1	0	5	0
	1130	,,	1004·6	993·2	..	28·2	25·6	24·5	30·7	81	..	6·9	..	7·0	0	0	26	5	4	5	0	8	3	0	1	5	0
	1430	,,	1002·0	990·6	..	29·6	26·0	24·5	30·7	76	..	5·8	..	6·3	0	2	23	6	3	3	0	8	3	2	0	6	0
	1730	,,	1001.9	990.5	..	28·2	26·1	25·3	32·2	84	..	5·9	..	3·7	0	0	20	4	4	2	2	6	2	0	0	11	0
	2030	,,	1004.4	992.9	..	26·1	25·1	24·7	31·1	92	..	5·3	..	4.3	0	0	24	11	3	2	1	4	0	1	2	7	0
Sibsagar	0830	97	1005.7	994.9	+1.8	27·6	25·6	24.7	31.1	85	—1	7·5	+0.5	2·1	0	0	22	9	4	0	4	3	2	0	0	9	0
	1730	,,	1002.1	991.6	..	29·7	26·4	25.1	31·9	76	..	6·6	..	5.5	0	0	19	3	4	1	2	0	8	0	1	12	0
Gohpur	0830	83	1003.1	993.8	..	25·9	24·7	24·2	30·2	90	..	7·1	..	2.5	0	0	28	0	8	2	6	0	6	1	3	3	2
	1730	,,	999.3	993.1	..	27·3	25·5	24·7	31·1	86	..	6·0	..	3·3	0	0	27	0	5	0	9	0	6	1	4	4	2
Majbat	0830	..	..	..	..	26.7	25.3	24.9	31.5	89	..	6.6	..	3.9	0	0	25	6	7	0	2	0	8	2	0	6	0
	1730	..	..	..	..	28·3	26·7	26·1	33·8	88	..	6·8	..	3·6	0	0	27	0	7	2	1	0	12	1	4	4	0
Jorhat (Aerodrome)	0530	90	1003·7	993·7	..	25·1	24·6	24·3	30·4	96	..	7·3	..	0·4	0	0	6	1	4	0	0	0	1	0	0	25	0
	0830	,,	1005·0	995.0	..	27·8	25·8	24·9	31·5	84	..	7·0	..	1.0	0	0	18	0	6	1	1	1	9	0	0	13	0
	1130	,,	1003·8	994.0	..	30·0	26·2	24·6	30·9	74	..	6·7	..	2.2	0	0	28	5	7	1	0	0	7	3	4	3	1
	1730	,,	1001·4	991·4	..	28·4	26·0	25·0	31·7	83	..	6·1	..	1·0	0	0	17	1	8	1	0	0	5	0	2	14	0
	2330	,,	1004·1	994·0	..	26·0	25·3	25·0	31·7	94	..	6·5	..	0·6	0	0	9	0	3	0	0	0	5	0	1	22	0
Tangla	0830	78	1005·1	996·2	..	27·5	25 4	24·5	30·7	86	..	3·6	..	1.5	0	0	22	0	0	0	14	0	8	0	0	9	0
	1730	,,	1002.7	993.9	..	29.0	26.3	25.1	31.9	82	..	3.3	..	1.2	0	0	17	0	0	0	6	0	11	0	0	14	0
Tezpur	0830	79	1005.7	996.8	+1·4	26·3	25·1	24·6	30·9	90	+3	7·2	+0·7	2.5	0	0	23	2	12	1	0	1	5	1	1	8	0
	1730	,,	1001·9	993·2	..	28·6	25 9	24·7	31·1	79	..	5·6	..	2·0	0	0	26	1	5	6	1	3	6	3	0	5	1
Golaghat	0830	95	1005·5	994·8	..	27·5	25·4	24·5	30·7	84	..	6·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1001.9	991.3	..	29.8	26.3	24.9	31.5	75	..	(b) 5.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rangia	0830	60	1006.1	999·1	..	27.7	25.7	24.5	30.7	85	..	6.2	..	7.0	0	0	31	2	5	11	3	0	2	4	4	0	0
	1730	,,	1002·9	996·2	..	28·6	26·3	25·3	32·2	82	..	5·1	..	3·7	0	0	28	1	4	4	1	3	5	5	5	3	0
Chaparmukh	0830	66	1005·5	998·1	..	27·9	25·7	24·7	31·1	84	..	6·4	..	(a) 5·3	0	0	30	1	6	3	13	4	3	0	0	0	0
	1730	,,	1002.1	994.9	..	28·7	26·3	25·3	32·2	82	..	(b) 5.7	..	(b) 3.9	0	0	26	1	3	4	9	2	3	3	1	3	0

(a) Mean of 30 days. (b) Mean of 29 days. (c) Mean of 26 days. (d) Mean of 27 days. (e) Mean of 16 days.

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
North Assam (Including NEFA)—(*Contd.*)																											
Goalpara	0830	38	1005·4	1001·0	..	26·4	25·3	24·9	31·5	91	..	7·1	..	1.5	0	0	18	0	8	0	7	0	0	0	3	13	0
	1730	,,	1002.8	998·5	..	28·1	26·0	25·1	31·9	83	..	7·4	..	1.1	0	0	14	0	4	0	4	0	3	1	2	17	0
Gauhati (R)	0830																										
Gauhati (Bhorjhor)	0230	54	1003·2	997·0	..	25·8	25·0	24·6	30·9	93	..	7·1	..	3·7	0	0	16	0	3	2	5	1	1	1	3	15	0
	0530	,,	1003·8	997·0	..	25·5	24.8	23·5	30·7	94	..	7·6	..	2·6	0	0	14	1	3	2	1	2	2	0	3	17	0
	0830	,,	1005·0	998·9	+1·7	27·3	25·6	24·9	31·5	87	+6	7·2	+1·1	6·6	0	0	28	11	4	4	2	1	1	1	4	3	0
	1130	,,	1004·2	998·1	..	28·9	26·2	25·1	31·9	80	..	6·8	..	7·5	0	0	29	10	10	0	0	1	0	4	4	2	0
	1430	,,	1001·9	995·9	..	29·3	26·1	24·7	31·1	77	..	6·7	..	8·5	0	0	31	3	8	1	1	3	4	7	4	0	0
	1730	,,	1001·6	995·5	..	28·0	25·8	24·9	31·5	83	..	6·7	..	5·2	0	0	25	2	5	0	3	2	5	7	1	6	0
	2030	,,	1003·9	997·8	..	26·7	25·6	25·1	31·9	91	..	5·9	..	2·6	0	0	10	1	3	0	0	2	3	0	1	21	0
	2330	,,	1004·1	998·0	..	26·3	25·4	25·1	31·9	93	..	6·3	..	3·1	0	0	15	2	2	4	0	1	4	1	1	16	0
Dhubri (Rupsi)	0530	45	1003·3	998·2	..	25·0	24·5	24·3	30·4	96	..	7·2	..	3·7	0	0	23	1	7	7	0	1	3	2	2	8	0
	0830	,,	1004·6	999·5	..	26·7	25·5	25·0	31·7	91	..	7·3	..	4·7	0	0	25	1	2	10	3	7	1	1	0	6	0
	1130	,,	1004·2	999·1	..	27·9	26·0	25·1	31·9	85	..	7·2	..	6·1	0	0	25	1	2	7	3	9	3	0	0	6	0
	1730	,,	1001·2	996·1	..	28·1	26·2	25.4	32·4	85	..	6·7	..	4·4	0	0	23	0	2	3	3	5	10	0	0	8	0
Dhubri	0830	35	1005·5	1001·5	+2·1	26·6	25·5	25·1	31·9	91	+6	6·4	+0·6	6·3	0	0	22	0	15	6	2	1	0	0	0	7	0
	1730	,,	1002·2	998·3	..	27·4	25·8	25·1	31·9	88	..	6·6	..	0·6	0	0	5	0	5	0	0	0	0	0	0	26	0
Lumding	0830	149	1005·4	988·6	..	27·0	25·0	24·1	30·0	84	+1	6·3	..	1·5	0	0	17	0	0	8	3	2	1	2	1	14	0
	1730	,,	1001·9	985·3	..	28·7	25·7	24·4	30·5	78	..	6·8	..	1·9	0	0	22	0	0	4	2	11	1	3	1	9	0
South Assam (Including Nagaland, Manipur and Tripura)																											
Tura	0830	370	1005·3	964·0	..	25·3	23·8	23·1	28·3	86	..	7·5	..	3·2	0	0	23	2	1	4	2	8	2	3	1	8	0
	1730	,,	1001·8	961·0	..	26·2	24·5	23·7	29·3	87	..	7·4	..	4·0	0	0	27	1	2	2	6	4	5	6	1	4	0
Haflong	0830	682.	1005.8	930·8	..	22·9	21·6	20·9	24·7	90	..	6·5	..	4·8	0	0	30	0	0	0	0	6	19	0	5	1	0
	1730	,,	1002 1	927·7	..	24·6	22·6	21·7	25·9	85	..	5·9	..	3·8	0	0	28	2	0	0	1	6	17	0	2	3	0
Silchar (Kumbhirgram)	0530	97	1003·7	992·8	..	24·5	23·8	23·5	28·9	95	..	7·2	..	3·9	0	0	20	0	1	17	0	0	0	2	0	11	0
	0830	,,	1004.7	993·9	..	26·5	24·7	23·9	29·7	86	..	6·8	..	4·4	0	0	23	1	0	16	3	0	0	0	3	8	0
	1130	,,	1004·1	993·3	..	29·0	25·6	24·1	30·0	74	..	6·6	..	5·1	0	0	25	0	1	7	0	2	4	9	2	6	0
	1730	,,	1001 4	990·6	..	27·3	25·1	24·1	30·0	83	..	6·8	..	4·3	0	0	20	2	0	5	1	1	4	7	0	11	0
Silchar	0830	29	1006·2	1002·9	+1·7	27·1	25.5	24·8	31·3	87	+1	6·7	+0·3	0·6	0	0	9	1	3	1	0	1	2	0	1	22	0
	1730	,,	1003·0	999·7	..	27·8	25·6	24·6	30·9	83	..	3·2	..	1·2	0	0	14	2	3	0	1	2	4	1	1	17	0
Imphal (Tulihal)	0530	78	1005·9	920·3	..	22·0	21·3	20·9	24·7	94	..	7·3	..	1·7	0	0	8	0	3	2	2	0	0	0	1	23	0
	0830	,,	1006·3	921·4	+1·6	24·5	22·0	20·9	24·7	80	−2	6.8	0	3·4	0	0	13	1	1	1	2	2	1	1	4	18	0
	1130	,,	1004·8	920·5	..	26·6	22·6	20·7	24·4	71	..	6·8	..	7·0	0	0	22	1	0	3	3	4	3	3	5	9	0
	1430		1002·3	918·3	..	26·6	22·6	20·7	24·4	71	..	6·7	..	7·9	0	0	23	2	0	4	2	4	2	1	8	8	0
	1730	,,	1002·9	918·3	..	24·8	22·1	20·9	24·7	79	..	6·6	..	9·6	0	2	25	1	1	5	4	4	0	1	11	4	0
	2030	,,	1005·5	920 5	..	23·6	21·8	21·0	24·9	85	..	6·8	..	3·9	0	0	13	0	2	2	1	0	2	1	5	18	0
	2330	,,	1005·9	920·5	..	22·9	21·6	20·9	24·7	89	..	6.9	..	1·9	0	0	9	1	1	1	0	2	1	3	0	22	0
Kailashahar	0530	29	1005·1	1001·9	..	24·8	24·3	24·1	30·0	96	..	6·5	..	3·0	0	0	20	0	2	1	1	9	7	0	0	11	0
	0830	,,	1006·3	1003·0	..	27·0	25·8	25·3	32·2	87	..	6·6	..	4·7	0	0	26	1	2	2	3	8	10	0	0	5	0
	1130	,	1005·5	1002·3	..	29·5	26·7	25·6	32·8	80	..	6·5	..	5·4	0	0	28	1	2	6	0	11	8	0	0	3	0
	1730	,,	1003·2	1000·0	..	27·8	26·2	25·5	32·6	89	..	6·6	..	3·6	0	0	23	2	1	4	0	7	8	1	0	8	0
Agartala	0230	16	1003·3	1001·5	..	25·0	24·4	24·1	30·0	95	..	6·7	..	9·2	0	0	24	0	0	2	10	11	0	0	1	7	0
	0530	,,	1003·5	1001·7	..	24·7	24·3	24·1	30·0	96	..	7.0	..	8·8	0	1	24	0	1	2	15	6	1	0	0	6	0
	0830	,,	1004·7	1002·9	+1·9	27·3	25·7	24·5	30·7	87	+3	7·0	+0·1	12·5	0	4	22	0	1	2	8	14	1	0	0	5	0
	1130	,,	1004·1	1002·3	..	29 1	26·5	25·4	32·4	81	..	7·0	..	14·0	0	5	26	1	0	1	6	13	5	3	2	0	0
	1430	,,	1002·0	1000·2	..	28·9	26·1	24·9	31.5	81	..	6·8	..	12·4	0	5	23	1	0	1	6	9	6	3	2	3	0
	1730	,,	1001·8	1000·0	..	27·5	25·7	24·9	31.4	88	..	7.0	..	11·6	0	2	26	2	0	1	9	10	3	2	1	3	0
	2030	,,	1004·0	1002·2	..	25·6	24·9	24·5	30.7	93	..	6·2	..	9·0	0	1	22	0	0	1	10	12	0	0	0	8	0
	2330	,,	1004·4	1002·6	..	25·2	24.6	24·3	30.4	95	..	6·3	..	9.7	0	0	27	0	0	2	11	12	2	0	0	4	0
Sub-Himalayan West Bengal																											
Baghdogra	0230	131	1003·3	988·4	..	25.0	24.2	23.8	29.5	93	..	7.1	..	5.9	0	1	15	0	10	6	0	0	0	0	0	15	0
	0530	,,	1003·5	988·6	..	24.3	23.7	23.4	28.8	97	..	7.3	..	7.2	0	0	21	2	10	7	0	2	0	0	0	10	0
	0830	,,	1005·1	990·3	+2·5	26 1	24.5	23.8	29.5	88	+3	7.3	+0·5	9·2	0	1	24	0	11	12	1	1	0	0	0	6	0
	1130	,,	1004·3	989·6	..	27.9	25.4	24.3	30·4	82	..	6.8	..	11.9	0	3	27	0	6	13	7	1	3	0	0	1	0
	1430	,,	1001·9	987.3	..	28.5	25.6	24.3	30.4	79	..	6.5	..	11.9	0	3	23	0	4	9	9	1	3	0	0	5	0
	1730	,,	1001·4	986.7	..	27.7	25·3	24.4	30·5	83	..	6.7	..	9.5	0	1	26	0	9	9	7	2	0	0	0	4	0
	2030	,,	1003.7	988.9	..	26.3	24.9	24.3	30.4	89	..	6.0	..	7.0	0	3	14	0	5	9	3	0	0	0	0	14	0
	2330	,,	1004·3	989.5	..	25.7	24.6	24.1	30.0	91	..	6.7	..	7.5	0	1	19	1	5	12	2	0	0	0	0	11	0

(R) Register not received.

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Sub-Himalayan West Bengal—(*Contd.*)																											
Jalpaiguri	0830	83	1004.4	995.1	+1·4	25.1	24.2	23.7	29.3	93	+6	6.7	+1.7	4.8	0	0	30	5	10	7	3	1	1	1	2	1	0
	1730	,,	1001.8	991·9	..	27.3	25.3	24.4	30.5	85	..	5.7	..	6.3	0	0	27	4	4	9	3	4	1	1	1	4	0
Cooch Bihar	0830	43	1004.9	1000.0	..	26.4	25.2	24.7	31.1	91	..	6.9	..	6.4	0	2	20	0	4	14	2	0	1	1	0	9	0
	1130	,,	1004.3	999·5	..	27.9	25.9	25.1	31.9	86	..	6.7	..	6.6	0	2	20	0	3	11	5	2	0	0	0	9	1
	1730	,,	1001.5	996.7	..	27.8	25.9	25.1	31.9	85	..	6.5	..	3.2	0	1	12	0	2	7	2	0	0	1	1	18	0
Balurghat	0830	26	1003.3	1000.4	..	28.2	26.3	25.4	32.4	85	..	6.6	..	3.5	0	0	31	1	4	3	1/2	4	7	0	0	0	0
	1730	,,	1000.2	997.3	..	29.3	26.5	25.4	32.4	80	..	6.1	..	2.4	0	0	26	2	0	2	1/2	4	4	1	1	5	0
Malda	0830	31	1004.0	1000.5	+1. 6	28.1	26.3	25.5	32.6	86	+3	6.5	+0.9	2.8	0	0	22	1	2	5	2	4	7	1	0	9	0
	1730	,,	1000.8	997.3	..	29.1	26.5	25.4	32.4	81	..	6.3	..	2.3	0	0	20	1	1	3	2	6	3	3	1	11	0
Gangetic West Bengal																											
Berhampore	0830	19	1003.6	1001.5	+1.6	28·0	26.6	26.0	33.6	89	+4	7.4	+0.8	5.2	0	0	28	0	1	7	0	17	2	1	0	3	0
	1730	,,	1000.6	998.5	..	29.3	26.8	25.7	33.0	83	..	7.8	..	3.2	0	0	24	0	0	8	0	11	0	4	1	7	0
Suri	0830	,,	.	..	.	28.1	26.1	25.3	32.2	84	..	6.8	..	4·8	0	0	31	3	1	5	2	15	2	2	1	0	0
Asansol	0230	126	1002.2	988.1	..	26.1	24.8	24.3	30.4	88	..	5.6	..	4.3	0	0	19	0	2	0	4	4	4	5	0	12	0
	0530	,,	1002.5	988.4	..	25.9	24·8	24.3	30.4	91	..	6.8	..	3.6	0	0	20	0	0	1	2	8	4	4	1	11	0
	0830	,,	1003.9	989.8	+2.6	28.5	25.9	24.8	31.3	81	−4	6.3	−0.3	6.5	0	0	29	0	3	2	3	8	7	3	3	2	0
	1130	,,	1003.3	989.4	..	30.8	26.6	24.8	31.3	71	..	6.8	..	6.3	0	0	29	0	4	1	1	5	8	6	4	2	0
	1430	,,	1001.1	987.1	..	30.9	26.4	24.5	30.7	70	..	6.7	..	7.4	0	0	31	1	2	2	5	5	5	7	4	0	0
	1730	,,	1000.8	986.8	..	28.4	25.8	24.7	31.1	81	..	7.2	..	5.2	0	1	24	1	0	6	6	4	2	4	2	6	0
	2030	,,	1003.1	989·0	..	27.2	25.3	24.5	30.7	85	..	5.3	..	4.6	0	0	22	0	0	1	5	8	3	4	1	9	0
	2330	,,	1003.5	989.3	..	26.7	25.2	24.5	30.7	89	..	5.7	..	4.2	0	0	20	0	0	1	4	6	4	5	0	11	0
Shanti Niketan	0830	59	1004.1	997.5	..	28.0	26.3	25.5	32.6	87	..	6.0	..	4.8	0	0	28	1	6	3	1	10	5	2	0	3	0
	1130	,,	1003.8	997.2	..	29.9	26.9	25.7	33.0	79	..	5.8	..	5.2	0	0	29	1	2	5	3	6	7	4	1	2	0
	1730	,,	1001.1	994.5	..	28.5	26.0	24.9	31.5	82	..	7.1	..	5.0	0	0	25	0	1	2	5	7	4	3	3	6	0
Krishnanagar	0830	15	1004.8	1003.2	+2.5	28.3	26.5	25.8	33.2	87	+3	5.1	−1.1	3.4	0	0	20	0	1	0	5	9	5	0	0	11	0
	1730	,,	1001.5	999·9	..	28.9	26.3	25.2	32.1	81	..	5.6	..	1.1	0	0	14	0	0	0	1	11	2	0	0	17	0
Purulia	0830	255	1004.1	975·8	+2.4	27.4	25.1	24.1	30.0	82	−2	6.3	−0.5	5.0	0	0	30	3	2	2	2	10	8	3	0	1	0
	1730	,,	1000.9	972.8	..	28.9	25.6	24.1	30.0	76	..	7.2	..	5.9	0	0	29	1	2	4	11	4	3	3	1	2	0
Bankura	0830	100	1003.5	992.3	..	27.9	25.7	24.7	31.1	83	..	4.9	..	1.9	0	0	19	1	1	0	1	0	8	0	0	12	8
	1730	,,	1000.5	989.4	..	28.9	25.7	24.3	30.4	77	..	5.9	..	1.5	0	0	11	0	1	1	1	0	3	0	0	20	5
Burdwan	0830	32	1004.1	1000.6	+2.4	28.4	26.1	25.1	31.9	83	−1	4.6	−2.0	(n) 2.0	0	0	9	0	0	0	0	5	3	1	0	8	0
	1730	,,	1001.2	997.6	..	29.1	26.2	24.9	31.5	79	..	5.0	..	(m) 1.8	0	0	9	0	0	0	0	9	0	0	0	9	0
Barrackpore (Aerodrome)	0530	7	1003.4	1002.6	..	26.3	25.4	25.1	31.9	93	..	6.4	..	5 4	0	0	21	0	2	1	1	7	8	1	1	10	0
	0830	,,	1004.6	1003.8	+2.8	28.3	26.3	25.5	32.6	85	−1	6.7	−0.1	7.4	0	0	26	0	3	4	0	6	10	3	0	5	0
	1130	,,	1004.1	1003.4	..	30.1	26.8	25.5	32.6	77	..	6.8	..	9.5	0	0	29	0	2	4	0	6	13	4	0	2	0
	1730	,,	1001.8	1001.1	..	28.1	26.1	25.3	32.2	84	..	7.1	..	6.7	0	0	29	0	0	3	2	9	10	4	1	2	0
	2330	,,	1004.3	1003.5	..	26.6	25.5	25.1	31.9	91	..	6.1	..	4.9	0	0	19	0	0	0	3	10	5	1	0	12	0
Calcutta (Dum Dum)	0230	6	1002.3	1001.6	..	26.5	25.7	25.4	32.4	93	..	5.3	..	4 5	0	0	22	0	0	2	4	8	7	1	0	9	0
	0530	,,	1002.7	1002.0	..	26.5	25.6	25.3	32.2	93	..	6.9	..	4.0	0	0	19	0	1	2	0	7	8	1	0	12	0
	0830	,,	1003.9	1003.2	+2.1	28.3	26.3	25.5	32.6	85	+3	6.9	0	6.1	0	1	27	1	0	3	5	7	9	3	0	3	0
	1130	,,	1003.5	1002.8	..	29.1	26.5	25.4	32.4	81	..	7.0	..	7.0	0	2	25	0	2	3	6	5	8	3	0	4	0
	1430	,,	1001.5	1000.8	..	29.8	26.8	25.6	32.8	79	..	7.1	..	7.9	0	0	29	0	1	2	5	4	10	7	0	2	0
	1730	,,	1001.2	1000.5	..	28.2	26.1	25.3	32.2	85	..	7·4	..	5.3	0	0	26	0	0	2	7	7	9	0	1	5	0
	2030	,,	1003.3	1002.6	..	27.4	26.0	25.4	32.4	89	..	5.7	..	5.0	0	0	24	0	0	2	4	12	4	1	1	7	0
	2330	,,	1003.7	1003.0	..	26.9	25.8	25.3	32.2	91	..	6.0	..	4.5	0	0	21	0	1	2	4	8	6	0	0	10	0
Calcutta	0830	6	1004.2	1003.5	+2.3	28.8	26.5	25.5	32.6	83	−2	6.0	−0.7	6.3	0	0	30	2	1	3	2	9	9	3	1	1	0
	1130	,,	1003.6	1002.9	..	30.5	26.9	25.4	32.4	75	..	6.1	..	6.7	0	0	30	0	0	3	2	8	8	7	2	1	0
	1730	,,	1001.3	1000.6	..	28.7	26.3	25.3	32.2	83	..	6.8	..	4.8	0	0	27	0	0	3	2	13	4	4	1	4	0
Midnapore	0830	45	1003.9	998.8	+2.2	27.7	25.9	25.1	31.9	86	+3	4.9	−0.8	2.6	0	0	25	0	4	2	0	6	9	3	1	6	0
	1730	,,	1001.4	996.2	..	29.2	26.2	24·9	31.5	79	..	6.1	..	2.7	0	0	29	1	2	0	4	13	7	1	1	2	0
Contai	0830	11	1004.2	1003.0	+3.1	28.5	26.5	25.7	33.0	85	0	5.3	−0.8	9.4	0	4	25	3	0	1	0	5	10	10	0	2	0
	1730	,,	1001.5	1000.3	..	28.4	26.5	25.7	33.0	85	..	5.3	..	9.2	0	1	26	2	0	1	3	15	5	0	1	4	0
Sagar Island	0830	3	1003.9	1003.6	+2.3	28.3	26.5	25.8	33.2	86	+2	6.2	−0.6	21.9	0	18	13	0	2	3	0	6	14	5	1	0	0
	1730	,,	1001.4	1001.1	..	28.6	26.6	25.8	33.2	85	..	6.3	..	19.0	0	16	15	1	1	2	4	8	12	3	0	0	0
Saugeeds	0530	10	1002.3	1001.2	..	27.9	26.3	25.6	32.8	87	..	6.3	..	21.9	0	18	13	0	0	2	2	5	22	0	0	0	0
	0830	,,	1004.2	1003.1	+2.1	29.0	26.6	25.6	32.8	83	0	6.1	+0.3	22.5	1	13	15	0	2	2	1	1	20	3	0	2	0
	1130	,,	1004.1	1003.0	..	29.8	26.9	25.7	33.0	79	..	6.5	..	20.7	0	14	15	0	2	2	2	2	18	2	1	2	0
	1730	,,	1001.2	1000.1	..	28.8	26.5	25.5	32.6	84	..	6.1	..	20.8	0	18	12	0	0	4	4	5	15	2	0	1	0
	2330	,,	1003.9	1002·8	..	28.3	26.3	25.5	32.7	85	..	4.2	..	21.0	0	16	13	0	0	3	2	4	20	0	0	2	0

Sub-Division and station	Hour of observation I. S. T	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Orissa																											
Baripada	0830	54	1005.1	998.9	..	28.0	26.1	25.3	32.2	85	..	5.8	..	2 8	0	0	22	3	3	1	3	4	7	0	1	9	0
	1730	,,	1002.3	996.2	..	28.1	26.1	25.3	23.2	85	..	6.7	..	0.9	0	0	11	0	0	0	2	3	4	2	0	20	0
Jharsuguda	0230	230	1002.8	977.0	..	25.4	24.4	23.9	29.7	91	..	6.7	..	3.9	0	0	16	0	2	3	2	4	5	0	0	15	0
	0530	,,	1003.1	977.3	..	25.1	24.2	23.7	29.3	93	..	6.9	..	5.0	0	0	20	0	2	1	4	5	4	4	0	11	0
	0830	,,	1004.5	9 8.9	+3.0	27.2	24.9	23.9	29.7	82	−5	6.9	−0.3	8.8	0	0	27	1	2	2	0	8	7	6	1	4	0
	1130	,,	1003.9	978.4	..	29.5	25.5	23.7	29.3	71	..	6.8	..	9.7	0	1	27	0	1	4	1	5	2	13	2	3	0
	1430	,,	1001.3	975.9	..	30.2	25.7	23.7	29.3	69	..	7.4	..	11.2	0	0	31	0	3	3	1	2	8	8	6	0	0
	1730	,,	1001.2	975·7	..	28.2	25.0	23.6	29.1	77	..	7.5	..	7.2	0	0	25	1	2	0	1	7	6	8	0	6	0
	2030	,,	1003.3	977·7	..	26.7	25.0	24.3	30.4	87	..	6.7	..	5.8	0	0	22	2	1	2	4	5	2	6	0	9	0
	2330	,,	1003.8	978.1	..	26.0	24.7	24.1	30.0	90	..	6.5	..	5.1	0	0	19	1	2	2	2	6	3	3	0	12	0
Keonjhargarh	0830	463	1004.3	953.6	..	25.9	23.6	22.7	27.6	83	−2	7.6	..	2.3	0	0	31	:	4	4	1	0	2	17	2	0	0
	1730	,,	1001.9	951.1	..	26.9	24.3	23.2	28.4	80	..	6.5	..	1.9	0	0	29	0	0	2	3	6	4	11	3	2	0
Balasore	0830	20	1004.3	1002.0	..	28.3	26.2	25.3	32.2	84	+1	6.3	+1.0	9.1	0	0	30	3	2	1	0	7	15	0	2	1	0
	1730	,,	1001.4	999.1	−1.1	28.7	26.2	25.1	31.9	81	..	6.7	..	7.1	0	0	27	1	0	1	5	9	10	0	1	4	0
Sambalpur	0830	148	1002.3	985.9	+0.4	28.1	25.4	24.3	30.4	79	−6	5.3	−1.3	2.3	0	0	26	0	0	1	:	7	16	1	0	5	0
	1730	,,	1001.5	985.1	..	28.7	25·9	24.7	31.1	81	..	5.3	..	1.1	0	0	12	0	0	0	1	1	9	1	0	19	0
Angul	0830	139	1004·4	988.9	+2.5	28.1	25.2	23.9	19.7	78	−3	7.3	+1.3	2.1	0	0	18	1	1	3	1	2	1	8	1	13	0
	1730	,,	1001.5	986.1	..	28.5	25.4	24.1	30.0	78	..	7.8	..	3·1	0	0	29	2	0	2	4	9	2	9	1	2	0
Chandbali	0830	6	1004.7	1004.0	+2.6	28.1	26.4	25.7	33.0	87	+4	5.8	−0.3	4.1	0	0	30	0	3	0	2	4	11	5	5	1	0
	1730	,,	1001.5	1000.8	..	28.9	26.3	25.2	32.1	84	..	6.2	..	6.2	0	0	28	0	2	1	10	2	10	2	1	3	0
Bolangir	0830	190	1004.9	983.5	..	27.6	24.8	23.5	28.9	79	..	5.1	..	5.0	0	0	31	1	1	1	5	13	9	0	1	0	0
	1730	,,	1001.5	980.4	..	28.8	25.4	23.9	29.7	76	..	7.0	..	4.1	0	0	31	3	1	1	5	12	7	0	2	0	0
Phulbani	0830	464	1003.1	952.0	..	25.8	23.4	22.4	27.1	82	..	4.5	..	0.7	0	0	10	5	0	0	0	1	2	2	0	21	0
	1730	,,	999.8	949.2	..	27.1	24.2	22.9	27.9	79	..	6.3	..	0·4	0	0	5	0	0	0	0	1	0	4	0	26	0
Cuttack	0830	27	1004.6	1001.5	+2.2	27.9	26.0	25.2	32.1	85	+4	5.3	−0.7	4.9	0	0	21	0	3	0	1	4	7	4	2	10	0
	1730	,,	1002.0	999.1	..	29.1	26.3	25.1	31.9	80	..	5.5	..	7.1	0	0	21	0	1	1	3	3	9	3	1	10	0
Titlagarh	0830	211	1004.5	981.0	..	27.5	25.2	24.1	30.0	81	..	4.4	..	2.4	0	0	31	0	1	0	1	0	28	0	1	0	0
	1730	,,	1002.2	978·9	..	29.2	25.9	24.5	30.7	77	..	5.8	..	2.3	0	0	31	1	5	0	6	0	12	0	7	0	0
Bhubaneswar	0230	46	1003.2	998·0	..	26.5	25.7	25.4	32.4	93	..	4.7	..	9.3	0	2	27	1	1	0	1	7	13	6	0	2	0
	0530	,,	1003.5	998.4	..	26.3	25.5	25.2	32.1	93	..	6.0	..	6.5	0	1	27	1	1	1	0	3	12	4	6	3	0
	0830	,,	1005.1	1000.0	+3.8	28.3	26.1	25.2	32.1	83	−3	6.4	−0.4	9·4	0	2	27	1	2	1	0	3	14	6	2	2	0
	1130	,,	1004.6	999.5	..	30.3	26.5	24.9	31.5	74	..	6.6	..	11.0	0	2	29	1	4	0	0	4	10	9	3	0	0
	1430	,,	1002.1	997.0	..	30.8	26.5	24.7	31.1	71	..	6.9	..	12.1	0	4	27	1	3	0	2	7	8	4	6	0	0
	1730	6	1002.2	997·1	..	28.4	25 9	24.9	31.5	82	..	6.4	..	11.2	0	4	24	3	1	4	0	9	7	2	2	3	0
	2030	,,	1004.6	999.4	..	27.3	25.8	25.1	31.9	88	..	5.2	..	9.6	0	4	26	1	1	0	2	6	13	5	2	1	0
	2330	,,	1004.5	999.3	..	26.8	25.8	25.4	32.4	92	..	4.9	..	8.8	0	2	28	1	1	1	1	6	13	7	0	1	0
Puri	0830	6	1005.2	1004.5	+3.0	28.9	26.8	25.9	33.4	84	+2	6.4	+0 8	11.5	0	5	26	0	3	1	2	5	19	1	0	0	0
	1730	,,	1002.4	1001.7	..	28.8	26.6	26.0	33.6	84	..	6.2	..	13.1	0	7	24	1	0	3	3	4	14	4	2	0	0
Gopalpur	0530	17	1003.7	1001.8	..	26.7	26.6	25.1	31.9	91	..	6.4	..	3.3	0	1	15	3	0	0	0	0	12	1	0	15	0
	0830	,,	1005.2	1003.3	+2.8	28.5	26.2	25.3	32.2	83	+2	6.5	+1.5	4.1	0	1	17	3	1	0	0	2	11	1	0	13	0
	1130	,	1004.9	1002.9	..	30.2	27.1	26.0	33.6	78	..	6.3	..	6.5	0	0	28	2	0	1	3	9	12	0	1	3	0
	1730	,,	1002.4	1000.5	..	28.5	26.3	25.3	32.2	83	..	6.9	..	8·5	0	5	23	1	0	1	4	5	14	2	1	3	0
	2330	,,	1004.7	1002.8	..	27.4	26.1	25.5	32.6	89	..	6.1	..	5.7	0	2	14	0	0	1	0	1	14	0	0	15	0
Koraput	0830	913	1471.2	906.8	+2.5	22.1	20.9	20.3	23.8	89	−2	6.2	−0.7	9.5	0	0	31	2	0	0	3	7	14	2	3	0	0
	1730	,,	1455.6	904.6	..	24.2	21.8	20.7	24.4	80	..	6.9	..	11 2	0	2	29	8	1	1	0	3	6	8	3	0	1
Bihar Plateau																											
Dumka	0830	149	1003.5	986.9	+1.8	28.2	25.9	24.9	31.5	83	0	5.3	−0.5	4.2	0	0	23	0	2	3	7	6	1	4	0	8	0
	1730	,,	1000.7	984.2	..	28.7	26.1	25.0	31.7	81	..	4.7	..	3.7	0	0	19	1	2	4	8	1	1	3	0	12	0
Daltonganj	0830	221	1003.2	978.6	+2.0	28.5	25.6	24.3	30.4	79	−4	4.1	−0.9	3.1	0	0	31	1	4	1	1	2	16	6	0	0	0
	1730	,,	1000.4	976.0	..	29.5	25.9	24.3	30.4	77	.	5.0	..	3.9	0	0	26	1	4	0	2	3	11	0	3	5	2
Hazaribagh	0830	611	1003.5	936.6	+1.9	25.4	23.2	22.2	26.7	83	−1	6.5	−0.7	7.5	0	1	28	0	1	2	1	4	11	2	8	2	0
	1730	,,	1000.5	934.0	..	26.1	23.6	22.5	27.3	81	..	7.5	..	6.2	0	1	25	1	0	2	1	4	8	0	9	5	0
Dhanbad	0830	257	1003.4	974.8	..	27.7	25.3	24.2	30.2	82	..	5.5	..	2.1	0	0	21	0	5	0	7	1	4	2	2	10	0
	1730	,,	1000.4	972.0	..	28.3	25.5	24.3	30.4	80	..	6.5	..	1.6	0	0	15	0	1	2	7	0	1	1	3	16	0
Ranchi	0830	655	1003.7	931.9	+2.3	24.4	21.2	19.6	22.8	75	−10	5.6	−1 1	1.5	0	0	18	0	1	1	0	2	2	4	8	13	0
	1730	,,	1000 5	929.2	..	25.5	21.6	19.7	22.9	71	..	7.3	..	1.7	0	0	18	5	0	3	0	7	1	2	0	3	0
Ranchi (Aerodrome)	0530	652	1002.5	931.0	..	23.1	22.3	21.9	26.3	93	..	6.8	..	8.0	0	1	22	0	1	0	1	3	13	4	1	8	0
	0830	,,	1003.4	932.4	..	25.1	23.1	22.2	26.7	84	..	6.7	..	12.6	0	5	22	0	3	2	0	4	9	8	1	4	0
	1130	,,	1002.8	932.2	..	27.2	23.4	21.7	25.9	73	..	7.1	..	14.6	0	9	19	0	3	3	1	1	9	6	5	3	0

Sub-Division and station	Hour of observation I. S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bihar Plateau—(*Contd.*)																											
Ranchi (Aerodrome)—(*Contd.*)	1430	652	1000.2	930.1	..	28.4	23.6	21.5	25.6	67	..	7.1	..	14.8	0	5	26	0	4	4	2	4	5	7	5	0	0
	1730	,,	1000.5	929.7	..	26.0	23.2	22.0	26.4	80	..	7.3	..	11.0	0	2	24	1	2	3	4	4	7	2	3	5	0
†	2030	,,	1002.9	931.7	..	24.6	23.0	22.3	26.9	87	..	7.1	..	9.5	0	3	20	0	1	1	1	6	10	3	1	7	0
Jamshedpur	0830	229	1003.5	989.1	+1.9	27.9	25.4	24.3	30.4	81	—1	6.3	−0.6	3.9	0	0	28	0	1	3	1	1	7	10	5	3	0
	1730	,,	1000.2	985.9	..	29.4	25.9	24.3	30.4	75	..	6.9	..	4.1	0	0	28	0	0	6	7	1	4	7	3	3	0
Jamshedpur (P.B.O.)	0530	142	1002.7	986.8	..	25.8	24.7	24.3	30.4	92	..	6.5	..	2.5	0	0	14	0	2	0	3	1	5	2	1	17	0
	0830	,,	1004.1	988.3	..	27.7	25.3	24.2	30.2	82	..	6.7	..	4.8	0	0	23	0	4	0	0	4	11	4	0	8	0
	1130	,,	1003.4	987.7	..	30.2	26.3	24.7	31.1	72	..	6.5	..	6.4	0	0	28	0	4	2	1	3	12	5	1	3	0
	1430	,,	1000.8	985.2	..	31.1	26.4	24.3	30.4	69	..	6.6	..	6.7	0	0	30	2	3	3	2	4	9	7	0	1	0
	1730	,,	1000.8	985.0	..	28.7	25.8	24.5	30.7	78	..	7.4	..	5.6	0	0	26	3	2	3	6	0	7	3	2	5	0
	2030	,,	1003.0	987.2	..	27.3	25.3	24.4	30.5	85	..	6.8	..	4.1	0	0	22	0	6	5	2	2	4	3	0	9	0
	2330	,,	1003.4	987.5	..	26.7	25.2	24.5	30.7	89	..	6.2	..	3.3	0	0	19	1	6	2	2	1	6	1	0	12	0
Chaibasa	0830	226	1004.0	978.7	+2.7	27.3	24.8	23.7	29.3	81	—2	6.8	+0.4	4.3	0	0	27	3	1	0	2	0	18	2	1	4	0
	1730	,,	1000.5	975.6	..	28.7	25.1	23.5	28.9	75	..	7.5	..	2.2	0	0	22	0	4	0	3	1	9	2	3	9	0
Bihar Plains																											
Motihari	0830	66	1003.5	995.9	+1.5	27.3	26.1	25.6	32.8	91	+9	6.9	+1.8	4.8	0	1	28	1	2	14	7	0	2	2	1	2	0
	1730	,,	1000.3	992.8	..	29.2	27.3	26.5	34.6	86	..	5.5	..	2.9	0	0	23	0	2	13	4	0	0	3	1	8	0
Forbesganj	0830	61	1004.0	997.1	..	27.2	25.4	24.6	30.9	86	..	6.5	..	4.8	0	1	29	0	0	22	3	0	1	4	0	1	0
	1730	,,	1000.5	993.7	..	29.1	26.3	25.1	31.9	76	..	5.4	..	4.0	0	1	28	0	0	15	6	2	0	6	0	2	0
Darbhanga	0830	49	1004.3	998.7	+2.5	28.7	26.4	25.5	32.6	83	+1	6.0	—0.1	4.3	0	1	26	0	4	13	2	4	0	3	1	4	0
	1730	,,	1001.5	995.9	..	30.1	27.0	25.8	33.2	79	..	4.5	..	2.8	0	1	18	0	3	9	3	1	2	1	0	12	0
Chapra	0830	58	1003.1	996.6	..	28.2	26.2	25.4	32.4	84	..	6.6	..	2.6	0	0	28	0	10	0	5	1	9	1	2	3	0
	1730	,,	1000.1	993.7	..	30.6	26.9	25.3	32.2	75	..	5.3	..	2.6	0	0	23	1	9	0	3	2	7	0	1	8	0
Purnea	0830	38	1004.0	999.7	+1.7	27.5	25.8	25.1	31.9	87	+1	5.6	—0.2	1.7	0	0	13	1	1	8	0	0	2	1	0	18	0
	1730	,,	1000.7	996.5	..	29.0	26.8	25.9	33.4	83	..	5.8	..	1.1	0	0	6	1	0	2	0	0	1	2	0	25	0
Patna	0830	53	1003.2	997.3	+1.8	27.7	25.8	24.9	31.5	85	+3	6.3	−0.6	7.4	0	2	27	0	9	4	3	1	5	7	0	2	0
	1730	,,	1000.0	994.1	..	30.1	26.6	25.1	31.9	76	..	5.9	..	7.6	0	2	27	0	9	6	1	3	1	9	0	2	0
Patna Aerodrome	0530	60	1001.4	994.6	..	26.2	25.2	24.8	31.3	92	..	6.7	..	8.6	0	2	24	0	2	8	4	2	7	1	2	5	0
	0830	,,	1002.9	996.2	..	27.9	25.8	24.9	31.5	84	..	6.7	..	10.5	0	3	28	1	1	10	7	0	5	4	3	0	0
	1130	,,	1002.7	996.0	..	30.1	26.5	25.0	31.7	75	..	6.6	..	10.9	0	3	28	0	2	5	5	4	5	8	2	0	0
	1430	,,	1000.3	993.7	..	31.1	26.8	25.1	31.9	71	..	6.1	..	12.6	0	3	27	1	2	6	5	1	6	5	4	1	0
	1730	,,	999.6	992.9	..	30.1	26.5	25.0	31.7	75	..	6.1	..	9.1	0	2	25	1	3	7	4	0	3	6	3	4	0
	2030	,,	1001.9	995.1	..	27.9	26.0	25.2	32.1	86	..	5.3	..	9.2	0	4	20	0	0	11	3	1	5	3	1	7	0
	2330	,,	1002.1	995.4	..	27.0	25.7	25.1	31.9	90	..	5.7	..	9.2	0	2	25	1	1	7	4	5	5	3	1	4	0
Bhagalpur	0530	49	1002.5	996.9	..	26.1	25.3	25.0	31.7	93	..	7.7	..	3.2	0	0	22	0	0	6	7	5	2	2	0	9	0
	0830	,,	1004.1	998.6	+2.4	28.4	26.3	25.5	32.6	85	+1	7.3	+0.8	5.6	0	0	27	1	0	3	13	3	3	4	0	4	0
	1130	,,	1003.7	998.3	..	30.3	27.0	25.7	33.0	78	..	7.3	..	6.4	0	3	26	1	3	3	0	3	5	4	1	2	0
	1730	,,	1000.8	995.4	..	29.4	26.7	25.5	32.6	80	..	7.3	..	5.7	0	1	27	0	1	8	4	5	6	3	1	3	0
	2330	,,	1003.4	997.9	..	26.9	25.8	25.3	32.2	91	..	6.3	..	4.4	0	1	25	1	0	7	8	3	4	1	2	5	0
Sabaur	0830	37	1003.7	999.5	+1.8	27.9	26.3	25.6	32.8	89	+4	6.8	+0.2	7.0	0	0	29	1	1	10	6	1	3	6	1	2	0
	1730	,,	1000.3	996.2	..	29.4	27.1	26.1	33.8	83	..	6.7	..	6.3	0	0	27	1	3	9	3	2	2	5	2	4	0
Jamui	0830	82	999.7	990.6	..	28.4	26.4	25.7	32.8	85	..	3.7	..	2.4	0	0	30	0	3	10	6	1	0	8	2	1	0
	1730	,,	996.9	987.8	..	29.4	26.8	25.7	33.0	81	..	3.3	..	2.3	0	0	30	1	5	9	3	1	1	9	1	1	0
Dehri	0830	107	1002.6	990.7	..	28.5	25.7	24.5	30.7	79	..	6.0	..	3.8	0	0	29	1	2	4	5	3	10	3	1	2	0
	1730	,,	999.1	987.2	..	30.5	26.3	24.5	30.7	71	..	6.3	..	4.1	0	0	30	0	2	5	1	0	4	11	7	1	0
Gaya	0230	116	1001.7	988.7	..	26.2	25.3	24.9	31.5	93	..	5.1	..	7.8	0	1	23	0	1	6	3	5	8	1	0	7	0
	0530	,,	1001.9	988.8	..	25.8	25.1	24.7	31.1	92	..	6.0	..	7.5	0	1	26	0	2	5	3	6	8	3	0	4	0
	0830	,,	1003.3	990.3	+2.2	28.3	25.9	24.9	31.5	83	+6	6.1	+0.9	10.2	0	3	23	0	2	4	2	5	11	2	0	5	0
	1130	,,	1003.2	990.3	..	30.6	26.5	24.7	31.1	72	..	6.5	..	14.1	0	9	21	1	3	4	1	1	9	10	1	1	0
	1430	,,	1000.9	988.1	..	31.1	26.6	24.7	31.1	70	..	6.1	..	13.6	0	10	20	2	3	3	4	5	3	8	2	1	0
	1730	,,	1000.0	987.1	..	30.4	26.5	24.9	31.5	73	..	6.4	..	11.2	0	2	26	1	3	5	3	4	5	6	1	3	0
	2030	,,	1002.2	989.2	..	27.7	26.1	25.4	32.4	87	..	5.7	..	8.1	0	3	24	0	5	5	4	7	5	1	0	4	0
	2330		1002.8	989.8	..	26.7	25.6	25.1	31.9	91	..	5.3	..	7.9	0	1	25	0	1	5	2	7	9	1	1	5	0
Uttar Pradesh East																											
Kheri	0830	147	1001.2	984.7	0	27.2	25.3	24.5	30.7	86	−2	4.7	−0.7	5.9	0	0	29	0	1	16	3	0	0	9	0	2	0
	1730	,,	998.3	982.1	..	31.4	26.4	24.6	30.9	69	..	5.0	..	3.5	0	0	28	0	1	17	0	0	0	9	1	3	0
Bahraich	0830	124	1002.3	988.4	+1.3	27.8	25.6	24.6	30.9	84	+2	6.5	+2.0	10.2	0	1	28	2	0	14	3	0	3	6	1	2	0
	1730	,,	999.1	985.4	..	30.9	26.8	25.1	31.9	72	..	6.8	..	8.3	0	1	25	1	2	9	4	0	0	10	0	5	0

†Observations for 30 days.

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Uttar Pradesh East —(*Contd.*)																											
Nautanwa	0830	99	1002.4	991.0	..	27.0	25.3	24.5	30.8	87	..	6.8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	998.9	987.9	..	29.7	26.5	25.1	31.9	77	..	5.7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hardoi	0830	142	1002.2	986.6	+2.0	28.5	25.3	23.7	29.3	77	−10	3.0	−2.4	3.4	0	0	30	2	0	9	2	0	3	13	1	1	0
	1730	,,	999.2	983.5	..	31.9	26.1	23.2	28.4	62	..	3.1	..	3.4	0	0	27	1	2	6	0	0	1	17	0	4	0
Gonda	0830	110	1002.6	990.4	..	28.3	25.7	24.7	31.1	82	−2	5.6	−0.6	3.3	0	0	24	0	0	14	0	0	1	6	3	7	0
	1730	,,	999.3	987.2	..	30.3	26.6	25.0	31.7	75	..	4.9	..	2.0	0	0	18	0	0	10	0	0	0	6	2	13	0
Lucknow	0830	111	1001.3	988.7	+0.4	28.5	25.3	23.7	29.7	77	−6	4.7	−1.2	1.7	0	0	20	0	0	7	0	0	3	10	0	11	0
	1730	,,	998.9	986.7	..	32.3	26.3	23.6	29.1	62	..	4.7	..	1.7	0	0	22	0	2	6	1	0	0	13	0	9	0
Lucknow (Amausi)	0230	128	1000.3	986.0	..	26.7	24.7	23.8	29.5	84	..	4.6	..	9.5	0	4	22	0	4	6	1	2	8	5	0	5	0
	0530	,,	1000.5	986.2	..	26.3	24.4	23.5	28.9	85	..	5.3	..	9.7	0	3	26	1	4	7	2	2	6	7	0	2	0
	0830	,,	1002.0	987.7	+1.2	28.5	24.9	23.2	28.4	74	−7	5.4	−0.5	14.6	0	9	21	0	2	7	3	1	3	11	3	1	0
	1130	,,	1001.9	987.8	..	31.4	25.6	23.0	28.1	63	..	5.9	..	16.8	0	12	19	1	3	9	1	0	2	10	5	0	0
	1430	,,	999.7	985.7	..	32.6	25.6	22.8	27.7	58	..	6.2	..	16.8	0	15	16	1	4	5	4	0	5	8	4	0	0
	1730	,,	998.6	984.5	..	31.9	25.7	22.9	27.9	61	..	5.7	..	13.6	0	5	26	2	2	7	2	0	3	11	4	0	0
	2030	,,	1000.6	986.5	..	29.0	25.3	23.7	29.3	74	−2	4.1	..	7.2	0	1	24	0	2	7	2	2	6	6	0	6	0
	2330	,,	1001.3	987.1	..	27.7	25.1	23.9	29.7	81	..	4.9	..	7.5	0	2	22	0	2	8	2	0	8	4	0	7	0
Faizabad	0830	102	1002.0	990.6	..	27.9	25.9	25.0	31.7	85	..	5.9	..	5.1	0	0	30	0	5	6	5	3	9	2	0	1	0
	1730	,,	999.0	987.8	..	30.1	26.7	25.3	32.2	77	..	5.9	..	4.2	0	0	22	0	1	3	5	3	7	1	2	9	0
Gorakhpu	0830	77	1001.9	993.2	+0.5	28.3	26.1	25.3	32.2	84	−1	6.4	+1.6	3.1	0	0	29	0	1	5	0	2	1	7	3	2	0
	1730	,,	999.7	991.1	..	30.5	26.9	25.5	32.6	76	..	5.6	..	3.1	0	0	30	2	2	11	2	1	2	6	4	1	0
Gorakhpur (P.B.O.)	0230	78	1001.0	992.2	..	27.3	25.6	25.1	31.9	88	..	6.6	..	..	0	2	24	2	6	4	5	2	4	2	1	5	0
	0530	,,	1001.3	992.5	..	27.0	25.5	25.2	32.6	90	..	6.3	..	5.3	0	2	22	1	4	8	3	1	3	4	0	7	0
	1130	,,	1002.7	994.0	..	29.6	26.7	25.5	32.6	80	..	6.4	..	8.5	0	2	29	3	9	4	3	1	10	1	0	0	0
	1430	,,	1000.3	991.7	..	30.7	26.9	25.6	32.8	75	..	6.2	..	9.1	0	1	29	2	5	9	4	1	2	7	0	1	0
	2030	,,	1001.4	992.7	..	28.5	26.5	25.8	33.2	86	..	5.3	..	6.4	0	2	25	4	1	10	6	1	3	2	0	4	0
	2330	,,	1002.1	993.2	..	27.9	26.1	25.6	32.8	89	..	6.2	..	7.8	0	2	24	2	4	8	4	2	3	2	1	5	0
Kanpur	0830	126	1001.5	987.4	+0.7	28.1	25.0	23.6	29.1	78	−9	5.4	−0.1	11.3	0	1	29	1	10	0	3	3	12	1	0	1	0
	1730	,,	998.4	984.7	..	32.8	26.1	23.0	28.1	60	..	4.8	..	12.0	0	0	31	4	3	3	1	3	3	13	1	0	0
Kanpur (Aerodrome)	0530	126	1000.7	986.7	..	26.5	24.6	23.8	29.5	85	..	5.2	..	12.2	0	2	29	0	3	8	1	0	8	9	2	0	0
	0830	,,	1002.1	988.1	..	29.2	25.4	23.4	28.8	72	..	6.1	..	14.6	0	3	28	2	2	7	1	0	7	11	1	0	0
	1130	,,	1002.1	988.2	..	32.0	26.1	23.4	28.8	62	..	6.1	..	18.7	0	9	22	1	3	5	3	0	1	16	2	0	0
	1730	,,	998.8	985.0	..	32.1	25.9	23.1	28.3	61	..	5.9	..	18.2	0	2	29	3	3	3	3	1	4	11	3	0	0
	2330	,,	1001.4	987.4	..	27.9	25.3	24.1	30.0	81	..	4.6	..	10.3	0	1	26	0	2	6	1	3	7	7	1	4	0
Sultanpur	0830	197	1002.5	991.7	..	28.6	25.8	24.7	31.1	80	..	5.3	..	2.2	0	0	17	0	1	4	4	0	2	6	0	14	0
	1730	,,	998.8	988.0	..	31.1	26.6	24.7	31.1	68	..	5.2	..	2.1	0	0	20	0	0	10	0	1	1	7	1	11	0
Azamgarh	0830	78	1002.6	1993.8	..	28.1	26.3	25.9	33.4	83	..	5.8	..	7.9	0	1	27	2	0	12	0	2	1	11	0	3	0
	1730	,,	999.1	990.5	..	30.3	27.5	26.4	34.4	81	..	6.3	..	4.5	0	0	25	2	4	4	0	2	5	5	3	6	0
Fatehpur	0830	114	1002.5	989.7	..	28.9	25.4	23.8	29.5	75	−10	5.1	−0.9	9.2	0	0	31	0	2	7	1	0	6	12	3	0	0
	1730	,,	999.0	986.5	..	31.8	26.1	23.5	29.0	64	..	5.1	..	8.9	0	0	30	0	3	6	1	0	5	4	11	1	0
Ballia	0830	64	1003.2	996.6	..	28.5	26.4	25.3	32.2	83	..	6.4	..	2.1	0	0	22	0	1	6	2	1	6	2	4	9	0
	1730	,,	1000.4	993.3	..	30.4	27.0	25.6	32.8	76	..	6.5	..	0.6	0	0	6	0	1	3	1	0	0	1	0	25	0
Banda	0830	121	1002.9	989.4	..	29.8	25.5	23.5	28.9	71	..	4.6	..	2.4	0	0	24	0	5	0	1	1	14	0	3	7	0
	1730	,,	998.9	985.5	..	31.9	26.0	23.2	28.4	63	..	4.3	..	2.0	0	0	21	0	5	0	2	0	12	0	2	10	0
Allahabad (Bamhrauli)	0230	98	1000.7	989.8	..	27.3	25.1	24.0	29.8	83	..	5.1	..	3.2	0	0	16	0	2	2	1	4	5	2	0	15	0
	0530	,,	1001.0	990.9	..	26.7	24.8	23.9	29.7	85	..	5.7	..	3.4	0	0	24	1	4	3	1	6	8	1	0	7	0
	0830	,,	1002.5	991.6	+1.7	29.2	25.7	24.3	30.0	75	−9	6.0	−0.8	6.8	0	0	26	1	3	3	3	2	7	6	1	5	0
	1130	,,	1002.5	991.7	..	32.3	26.5	23.9	29.7	63	..	6.0	..	9.1	0	0	30	1	5	2	1	1	7	11	2	1	0
	1430	,,	1000.3	989.4	..	32.9	26.5	23.7	29.6	60	..	6.2	..	8.6	0	0	31	1	3	3	0	2	4	16	2	0	0
	1730	,,	999.1	988.5	..	32.1	26.2	23.8	29.5	64	..	6.2	..	7.0	0	0	29	1	4	4	0	2	5	11	2	2	0
	2030	,,	1001.2	990.3	..	29.3	25.6	24.0	29.8	75	..	5.2	..	3.9	0	0	19	1	4	2	1	2	6	2	1	12	2
	2330	,,	1001.7	990.8	..	28.0	25.4	24.2	30.2	80	..	5.4	..	3.5	0	0	18	1	3	3	2	4	4	1	0	13	0
Varanasi (Babatpur)	0530	85	1002.1	992.4	..	26.4	25.0	24.3	30.4	88	..	6.3	..	5.4	0	0	18	0	2	4	1	6	2	3	0	13	0
	0830	,,	1003.6	994.0	+2.5	28.5	25.9	24.7	31.1	81	−4	6.3	0	10.6	0	0	30	0	1	7	1	4	11	6	0	1	0
	1130	,,	1003.5	994.0	..	30.8	26.6	24.8	31.3	72	..	6.4	..	11.7	0	2	26	1	2	3	2	4	3	11	2	3	0
	1730		1000.3	990.8	..	30.3	26.2	24.5	30.7	73	..	6.4		9.0	0	1	25	1	5	2	3	3	4	6	2	5	0
	2330	..	1003.0	993.3	..	28.0	25.7	24.8	31.3	83	..	6.0	..	4.0	0	0	13	0	0	4	2	3	2	2	0	18	0
Varanasi	0830	76	1002.3	993.4	+1.0	27.7	25.2	24.2	30.2	82	−2	5.2	−1.3	2.9	0	0	31	0	1	3	8	1	1	14	3	0	0
	1730	..	999.1	990.5	..	30.3	26.5	24.8	31.3	75	..	5.7	..	2.4	0	0	30	0	1	4	4	0	2	19	0	1	0

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry buls	Wet bulb	Dew point	Vapour pressure in mb.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	20 to 61	1 to 19	No. of observations, Wind direction: N	E	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Uttar Pradesh West																											
Mukhim	0830	..	..	..	..	18.4	17·0	16·3	18.5	88	..	5.6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	19.7	17.8	16.8	19.1	84	..	5.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tehri	0830	..	..	..	..	24·9	22·4	21·2	25·2	81	..	4·7	..	0·6	0	0	8	2	4	0	0	0	1	1	0	23	0
	1130	..	..	..	..	29·0	23.5	21·1	25·0	64	..	4·7	..	2·5	0	0	18	2	1	0	3	6	6	0	0	13	0
	1730	..	..	..	..	29·9	23·7	20·9	24·7	60	..	4·3	..	3·2	0	0	23	2	0	3	3	7	7	1	0	8	0
Dehra Dun	0530	682	1001·6	926·6	..	22.9	21·8	21·5	25·6	91	..	6·1	..	0·5	0	0	6	2	2	0	0	0	2	0	0	25	0
	0830	,,	1002·2	927·7	+0·8	24·6	22.9	22·1	26·6	86	+1	5·0	−1·5	0·6	0	0	8	1	0	0	1	6	0	0	0	23	0
	1130	,,	1001·9	928.1	..	27·4	23.6	22·0	26·4	74	..	5·8	..	1·9	0	0	19	1	0	0	1	7	3	4	3	12	0
	1730	,,	998·9	925·2	..	27·9	24·2	22·6	27·4	75	..	5·5	..	1·0	0	0	14	2	2	0	0	4	1	3	2	17	0
	2330	,,	1001·7	927·3	..	24·7	23·0	22·3	26·9	87	..	4.6	..	1·0	0	0	11	7	3	1	0	0	0	0	0	20	0
Mussoorie	0830	..	..	..	..	16·8	15·6	14·9	16·9	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	17·2	16.4	16·0	18·2	92	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Roorkee	0830	274	1002·5	972·0	+1·4	26·8	24.3	23·2	28·4	82	0	4 3	−1·0	1·0	0	0	15	0	2	0	4	0	0	0	9	16	0
	1730	,,	999·3	969·4	..	31·7	26·0	23·6	29·2	64	..	3·1	..	1·0	0	0	15	0	0	0	2	0	0	0	13	16	0
Najibabad	0830	270	1002·8	972·6	..	26·6	24·6	23·5	28·9	82	..	5·8	..	3·2	0	0	22	2	2	4	2	0	2	10	0	9	0
	1730	,,	999·3	969·8	..	31·4	25.8	23·3	28·6	64	..	4.5	..	3·3	0	0	25	0	0	2	0	0	6	15	2	6	0
Meerut	0830	222	1002·6	978·0	+1·8	28·7	25·0	23·4	28·7	74	−6	1.7	−3·5	4·1	0	0	26	0	4	7	3	0	1	7	4	5	0
Bareilly	0830	173	1001·8	982 6	+0·9	28·9	26·2	25·0	31·7	80	−4	3·7	−2·2	9·9	0	5	25	1	3	9	3	0	1	10	3	1	0
	1730	,,	998·4	979·3	..	31·3	27·4	25·6	32·8	70	..	4·7	..	5·8	0	0	29	2	3	11	1	0	1	9	2	2	0
Bareilly P.B.O.	0230	172	1000·4	981·0	..	27·3	25·2	24·3	30·4	83	..	4·3	..	6·3	0	0	28	2	2	11	2	1	1	8	1	3	0
	0530	,,	1000·5	981 2	..	26·5	24.7	23·9	29·7	86	..	4·5	..	4·9	0	0	30	2	0	15	0	1	1	11	0	1	0
	1130	,,	1002·0	982·9	..	31·0	26·0	23·0	28·1	67	..	4·9	..	6·9	0	0	30	2	2	7	3	0	1	11	4	1	0
	1430	,,	1000·1	981·1	..	32·1	26·6	24·6	30·9	67	..	5·2	..	6·8	0	0	31	1	3	9	1	0	4	7	6	0	0
	2030	,,	1000·0	980·9	..	29 4	25·9	24·6	30·9	76	..	2.9	..	4·6	0	0	29	1	2	10	2	0	3	9	2	2	0
	2330	,,	1001·2	982·0	..	28·2	25·6	24·7	31·1	81	..	3.4	..	4·2	0	0	27	1	1	10	4	0	3	7	1	4	0
Aligarh	0830	187	1002·4	981·6	..	28·3	24·9	23·3	28·6	75	−3	4·1	−0·5	6·0	0	0	31	1	2	8	1	1	0	14	4	0	0
	1730	,,	999·2	978·7	..	32·4	25·9	22·8	27·7	60	..	5·3	..	4·6	0	0	31	5	1	6	0	1	3	14	1	0	0
Mainpuri	0830	157	1001·7	984·2	+1·0	28·8	25·5	24·0	29·8	76	−5	3·7	−1.8	5·9	0	0	29	0	4	5	5	8	5	0	2	2	0
	1730	,,	998.4	981·2	..	32·7	26·6	24.0	29·8	63	..	4·4	..	3·6	0	0	24	0	1	4	7	4	5	1	2	7	0
Agra	0830	169	1002.4	983·6	+1·6	29·0	24 6	22·5	27·3	70	−7	2·6	−3·0	1·3	0	0	5	0	2	0	0	0	2	0	1	26	0
	1730	,,	999·2	980·7	..	33·1	25·5	22·0	26·4	52	..	2·7	..	0·5	0	0	1	0	1	0	0	0	0	0	0	30	0
Agra (Aerodrome)	0530	169	1001·0	982·1	..	25·3	24·1	23·3	28·6	88	..	3·7	..	7·6	0	0	26	1	2	5	0	0	1	14	2	5	1
	0830	,,	1002·5	983·7	..	28·3	25·7	24.5	30·7	81	..	3·9	..	13·0	0	0	30	3	1	7	2	0	2	11	4	1	0
	1130	,,	1002·6	984·0	..	32·0	27·3	25·4	32·4	69	..	4·0	..	13·8	0	2	28	2	1	7	1	0	1	11	7	1	0
	1730	,,	999·1	980·6	..	32·4	27·1	24·7	31·1	66	..	4·4	..	12·5	0	3	27	4	1	6	0	0	1	11	6	1	1
	2330	,,	1001.8	982.8	..	27.8	25.1	23·9	29.7	80	..	2.1	..	7.8	0	0	24	2	0	5	1	0	1	13	2	7	0
Orai	0830	141	1001.6	985.9	..	29.9	25.1	22.8	27.5	67	..	2.9	..	3.9	0	0	31	0	3	0	0	1	6	12	9	0	0
	1730	,,	997.8	982.2	..	31.2	25.5	22.8	27.5	62	..	2.6	..	3.7	0	0	31	0	4	0	1	1	7	9	9	0	0
Jhansi	0830	251	1002·0	974.1	+0·6	27.6	24.3	22.6	27.4	75	−5	3.8	−1·2	2.2	0	0	24	3	2	5	0	1	1	12	0	7	0
	1730	,,	999·7	972.3	..	31.5	25.2	22.1	26.5	60	..	4.8	..	2.0	0	0	27	11	0	12	0	0	0	2	2	4	0
Punjab (Including Delhi)																											
Pathankot	0530	312	1001·0	966.2	..	25.4	28.0	21.9	26·3	81	..	4.3	..	3.0	0	0	12	1	4	3	1	0	2	0	1	19	0
	0830	,,	1001·9	967.4	+1·6	27.9	23.9	21.9	26.3	70	−12	4.2	−1·5	5.1	0	1	18	1	5	8	2	2	0	0	1	12	0
	1130	,,	1002·3	968.1	..	30·0	24.5	21.9	26·3	63	..	4.2	..	9.2	0	5	22	2	3	2	4	7	6	2	1	4	0
	1730	,,	999·1	965.2	..	31·8	24.9	21.6	25.8	56	..	3.6	..	8.8	0	1	26	1	1	0	1	5	3	12	4	4	0
	2330	,,	1001·2	966.6	..	27·1	23.9	22.4	27·1	76	..	2.4	..	2.5	0	0	10	0	6	3	0	0	1	0	0	21	0
Bhuntar	0830	1096	1454.0	886.0	..	21.7	19.3	18.1	20.9	81	..	4.7	..	2.2	0	0	15	2	2	3	3	4	0	0	0	16	1
	1130	,,	1450·9	885.0	..	26.9	21.0	17.9	20.5	59	..	4.8	..	7.8	0	1	26	0	0	1	10	14	1	0	0	4	1
	1730	,,	1429·1	883.0	..	26·1	20.7	17.8	20.4	62	..	4.9	..	11.7	0	5	24	4	1	5	10	5	1	0	2	2	1
Amritsar (Rajasansi)	0530	234	1000·8	974.5	..	25.3	24.1	23.5	28.9	89	..	3.4	..	4.2	0	0	17	5	1	5	4	1	0	1	0	14	0
	0830	,,	1001·8	975·8	+1·9	28.3	25.2	23.8	29.4	77	−5	3.6	−0·5	5.4	0	0	25	2	2	7	4	2	4	3	1	6	0
	1130	,,	1002·0	976.3	..	31.7	26.0	23.4	28.8	63	..	3.3	..	8.6	0	3	25	2	1	8	5	4	3	3	2	3	0
	1430	,,	1000·3	974.8	..	33.8	26.5	23.3	28.6	55	.	3.6	..	8.3	0	5	20	0	1	7	4	5	3	3	2	6	0
	1730	,,	998·8	973.3	..	33.2	26.0	22·7	27.5	55	..	2.6	..	7.8	0	2	24	0	1	5	3	1	2	8	6	5	0
	2030	,,	999·8	973.9	..	29.2	25.7	24.2	30·2	75	..	1.7	..	3.1	0	0	11	1	0	4	3	0	3	0	0	20	0
Adampur (Aerodrome)	0830	249	1001·3	974.1	..	27.5	25.4	24.4	30 5	82	..	4.2	..	9.5	0	4	19	3	0	3	12	1	3	1	0	8	0
	1730	,,	998·9	972.1	..	31.4	26.4	24.2	30.2	67	..	3.8	..	11.3	0	1	26	2	2	4	1	3	1	6	8	4	0
Ludhiana	0830	247	1001·5	974.2	+1·2	28.4	25.4	24.0	29.8	78	+3	2·9	−0·8	2·7	0	0	27	1	3	5	6	2	2	4	4	4	0
	1730	,,	998·5	971·7	..	32·5	26.2	23·2	28·4	61	..	3.3	..	6.2	0	0	30	0	7	1	3	1	3	1	14	1	0

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Punjab (India) (Including Delhi)—(*Contd.*)																											
Ferozepur	0830	200	1001.7	979.6	..	28.3	25.1	23.6	29.1	76	..	1.8	..	1.2	0	0	17	1	3	1	3	4	1	2	2	14	0
	1730	,,	990.0	977.1	..	33.2	26.2	23.0	28.1	56	..	1.3	..	1.9	0	0	21	1	5	0	2	1	1	1	9	10	1
Halwara (Aerodrome)	0830	242	1001.7	974.9	..	28.4	25.4	24.1	30.0	78	..	3.2	..	6.8	0	0	25	2	0	5	4	5	4	2	3	6	0
	1730	,,	999.1	972.7	..	32.0	25.7	22.8	27.7	60	..	4.0	..	10.4	0	3	26	3	1	5	2	1	4	7	6	2	0
Chandigarh	0830	347	1001.8	963.2	+1.2	27.6	24.3	22.7	27.6	75	−5	2.6	−1.3	3.0	0	0	20	0	0	0	13	0	0	0	7	11	0
	1730	,,	998.1	960.3	..	31.5	25.4	22·6	27.4	60	..	2.9	..	2.0	0	0	25	0	1	0	7	0	1	0	16	6	0
Ambala	0830	272	1001.4	971.1	+0.7	27.6	24.1	22.2	26.7	71	−8	3.5	−1.2	4.0	0	0	5	0	0	1	3	0	1	0	0	26	0
	1730	,,	998.2	968.7	..	31.4	25.4	22.9	27.9	62	..	1.9	..	2.7	0	0	23	0	4	1	12	0	1	0	5	8	0
Ambala (P.B.O.)	0230	278	1000.2	969.4	..	26.9	25.7	25.2	32.0	85	..	2.9	..	2.5	0	0	11	2	0	1	4	0	0	1	3	20	0
	0530	,,	1000.4	969.5	..	26.8	25.0	24.4	30.6	87	..	4.3	..	4.0	0	0	16	1	2	1	5	0	1	4	2	15	0
	1130	,,	1001·4	971·0	..	31.2	26·9	25.4	32.4	72	..	3·8	..	7.7	0	0	25	0	0	1	8	0	4	6	6	6	0
	1430	,,	1000·1	969·8	..	32.6	27.5	25.9	33.4	68	..	4.4	..	7.5	0	1	27	1	0	1	6	1	4	12	3	3	0
	2030	,,	999·5	969·0	..	30.3	26.7	25·4	32.4	75	..	2.4	..	5.5	0	1	23	4	1	1	2	1	1	6	8	7	0
	2330	,,	1000·8	970·1	..	29.0	26·1	25·1	31.7	78	..	2.4	..	4.2	0	0	18	3	1	2	2	0	1	1	8	13	0
Ambala (Aerodrome)	0530	274	1000·6	969·9	..	25.1	24.0	23.5	28.9	90	..	3·9	..	6.3	0	1	18	2	1	4	4	0	0	4	3	12	1
	0830	,,	1001·8	971·2	..	27.5	25.0	23.9	29.6	81	..	3·7	..	10.5	0	1	26	1	1	3	6	1	3	8	4	4	0
	1130	,,	1001.7	971·6	..	30.6	25.9	23.9	29.7	68	..	3.8	..	12.7	0	2	27	0	0	4	7	2	1	9	6	2	0
	1730	,,	998.5	968·5	..	31.2	25.8	23.3	28.6	64	..	3.6	..	12.6	0	4	23	1	1	2	1	1	0	10	10	4	1
	2330	,,	1000.8	970.3	..	26.3	24.5	23.6	29.1	86	..	2.6	..	5.4	0	0	16	1	0	1	3	1	0	5	5	15	0
Patiala	0830	251	1002.1	974.3	..	28.0	25.3	24.2	30.2	81	..	3.8	..	5.0	0	1	19	0	0	0	9	0	0	0	11	11	0
	1730	,,	999.4	971.9	..	31.4	26.3	24.1	30.0	67	..	4·0	..	4.6	0	0	19	2	0	0	5	0	0	0	12	12	0
Bhatinda	0830	211	1001.8	978.3	..	30.3	26.0	24.1	30.0	69	..	1.3	..	2.1	0	0	22	0	0	0	12	0	6	0	4	9	0
	1730	,,	998·2	975.2	..	32.4	26.6	23.7	29.3	62	..	2·3	..	3.6	0	0	26	1	3	0	6	1	5	0	10	5	0
Karnal	0830	249	999.7	971.9	..	28.9	25.3	23.5	28.6	72	..	..	..	1.7	0	0	23	0	0	0	9	0	0	0	14	8	0
	1730	,,	998.1	971.3	..	32.1	26.0	23.2	28.4	59	..	..	..	1.7	0	0	21	0	0	0	2	9	0	0	19	10	0
Hissar	0530	221	1000.7	976.0	..	26 6	23.6	21.9	26.3	77	..	2 9	..	5.5	0	0	27	1	0	3	4	3	9	7	0	4	0
	0830	,,	1002 5	977.8	+1 9	28 6	24.4	22.3	26.9	70	0	2.3	−0.7	6.1	0	0	29	0	1	2	7	2	4	11	2	2	0
	1130	,,	1001.9	977.8	..	33.3	25.6	22.0	26.4	53	..	2.8	..	9.7	0	3	26	1	2	1	3	0	5	17	0	2	0
	1730	,,	998 8	974.8	..	33.9	25.1	20.7	24.4	49	..	3.5	..	6.9	0	0	30	4	3	3	3	3	0	11	3	1	0
	2330	,,	1001 2	976.7	..	28.6	24.3	22.2	26.7	70	..	1.7	..	4.4	0	0	24	0	2	3	4	5	7	3	0	7	0
New Delhi (Safdarjung)	0230	216	1000.9	976.8	..	27.5	24.1	22.5	27.3	75	..	3.6	..	11.2	0	3	28	1	4	4	4	1	3	9	5	0	0
	0530	,,	1001.1	976.9	..	26.7	23.8	22.5	27.3	78	..	3.8	..	11.9	0	4	27	2	1	4	4	1	3	11	5	0	0
	0830	,,	1002.4	978.3	+1 5	28.2	24.3	22.4	27.1	72	−6	3.9	−1.8	19.5	0	3	28	1	0	5	4	2	1	10	8	0	0
	1130	,,	1002.5	978.7	..	31.5	25.2	22.0	26.4	59	..	3.8	..	19.3	0	14	16	0	0	4	5	1	1	9	10	1	0
	1430	,,	1000.5	976.9	..	33.2	25.5	21.8	26.1	54	..	4.7	..	17.9	0	12	19	2	3	5	1	0	1	8	11	0	0
	1730	,,	999.0	975.4	..	33.3	25.5	21.9	26.3	54	..	4.0	..	14.4	0	8	22	0	6	3	3	0	0	10	8	1	0
	2030	,,	1000.2	976.3	..	30 0	25.0	22.5	27.3	66	..	3.5	..	9.5	0	2	29	3	1	7	3	1	6	6	4	0	0
	2330	,,	1001.3	977.3	..	28.9	24.6	22.5	27.3	70	..	4.4	.	9.4	0	4	24	2	2	5	3	1	4	5	5	3	1
Palam (Aerodrome)	0230	233	1000.9	974·8	..	26·9	24.5	23.4	28.8	81	..	3.6	..	8.8	0	1	29	2	2	5	5	1	6	6	3	1	0
	0530	,,	1001.1	975.1	..	25.9	24.1	23.3	28.6	85	..	3.8	..	9.5	0	2	26	0	1	5	4	2	8	7	1	3	0
	0830	,,	1002.5	976 6	..	28.3	24.8	23 2	28.3	75	..	4 0	.	16.2	0	11	20	1	0	2	6	2	3	8	9	0	0
	1130	,,	1002.6	976 9	..	31.3	25.7	23.3	28.4	64	..	3.3	..	19.3	0	14	17	1	1	5	2	2	0	9	11	0	0
	1430	,,	1000.6	975.2	..	33.1	26.3	23.3	28.6	55	..	4.3	..	17.5	0	13	18	3	1	6	3	0	1	9	8	0	0
	1730	,,	999.0	973 6	..	33.2	26.3	23.1	28.6	58	..	3.8	..	14.7	0	5	26	0	2	4	4	0	2	11	8	0	0
	2030	,,	1000.4	975.5	..	29.6	25.4	23.5	28.9	71	..	3.9	..	9.2	0	2	28	1	1	6	7	1	4	6	2	1	0
	2330	,,	1001.6	975.7	..	28.0	25.0	23.5	29.3	78	..	4.1	..	9.5	0	2	28	0	2	4	8	0	9	6	1	1	0
Himachal Pradesh																											
Mandi	0830	761	1002 2	919.4	+1.5	23.2	21.8	21.1	25.0	88	−1	4.4	−1.2	0.2	0	0	3	0	1	0	0	1	0	1	0	28	0
	1730	,,	998.6	917.2	..	28.9	24.1	22.2	26.7	70	..	5.4	.	0.4	0	0	5	0	0	0	0	0	3	0	2	26	0
Bilaspur	0830	587	1003.1	940.2	..	25.0	23.3	26.6	27.4	86	.	2.1	.	0.1	0	0	2	1	0	0	0	0	0	1	0	29	0
	1730	,,	999.9	936.7	.	28 7	23.9	21.6	25.8	64	..	4.1	..	1.7	0	0	18	2	1	2	2	1	0	8	2	13	0
Jammu and Kashmir																											
Misgar (R)	0830	..																									
(R)	1730	..																									
Gilgit (R)	0830	..																									
(R)	1730	..																									
Sakardu (R)	0830	..																									
(R)	1730	.																									

(R) Register not received.

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed Km. p.h.: 62 or more	Wind speed Km. p.h.: 20 to 61	Wind speed Km. p.h.: 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Jammu and Kashmir —(*Contd.*)																											
Leh	0530	3514	3089.5	665.4	..	8.4	3.7	−1.5	5.4	49	..	4.6	..	4.1	0	0	20	10	6	0	1	1	1	1	0	11	0
	0830	,,	..	..	..	15.3	8.0	−1.2	5.5	40	−1.9	5.0	+1.2	2.4	0	0	16	1	0	0	1	8	4	1	1	15	0
	1730	,,	..	..	..	19.2	10.7	3.5	7.8	37	..	4.0	..	(c) 6.0	0	0	27	0	1	0	3	1	20	1	1	1	0
Srinagar	0830	1587	1457.9	837.5	−2.3	19.0	16.3	14.8	16.9	77	−6	4.0	+0.2	1.3	0	0	14	1	0	0	8	0	0	1	4	17	0
	1130	,,	1450.4	837.1	..	24.1	18.2	15.1	17.1	58	..	3.3	..	1.2	0	0	12	1	0	2	1	0	1	2	5	19	0
	1430	,,	1436.5	835.8	..	26.2	18.7	14.9	16.9	52	..	3.8	..	2.3	0	0	20	5	0	0	2	1	1	5	6	11	0
	1730	,,	1428.0	834.9	..	25.2	18.3	14.3	16.3	51	..	3.9	..	2.3	0	0	19	3	3	0	3	0	0	2	8	12	0
†	2030	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Srinagar (Aerodrome)	0530	1666	1426.8	827.0	..	15.9	13.9	12.6	14.5	81	..	4.4	..	1.9	0	0	11	0	2	1	1	1	1	3	2	20	0
	0830	,,	1435.7	828.0	..	19.3	15.6	13.4	15.4	69	..	4.5	..	3.3	0	0	20	4	1	4	3	2	1	0	5	11	0
	1130	,,	1432.0	827.9	..	23.7	17.2	13.4	15.4	53	..	4.7	..	4.7	0	0	24	1	3	2	3	4	2	2	7	7	0
	1730	,,	1408.2	826.2	..	25.3	16.8	11.6	13.7	43	..	5.0	..	8.4	0	1	24	4	1	1	1	4	0	2	12	6	0
	2330	,,	1428.7	827.2	..	18.3	15.1	12.9	14.9	70	..	2.6	..	1.8	0	0	9	2	0	0	1	1	1	1	3	22	0
Gulmerg ††	0830	2655	3081.7	736.6	−0.4	14.1	11.8	9.9	12.2	75	−6	5.0	+0.8	2.5	0	0	11	0	9	2	0	0	0	0	0	7	0
	1730	,,	3079.6	736.1		16.7	12.9	10.4	12.6	69	..	5.5	..	4.1	0	0	16	0	7	3	2	1	2	1	0	2	0
Qazigund	0830	1690	..	..	..	18.6	16.2	14.8	16.8	76	..	4.7	..	0.8	0	0	8	0	0	1	2	1	0	3	1	23	0
	1730	..	..	..	..	23.5	18.5	15.9	18.0	63	..	5.6	..	4.6	0	0	26	1	2	1	2	2	8	6	4	5	0
Banihal	0830	..	..	..	..	18.9	16.3	14.7	16.7	77	..	3.9	..	1.4	0	1	3	0	0	0	0	0	0	0	4	27	0
	1730	..	..	..	..	24.0	17.8	14.1	16.1	55	..	5.5	..	8.9	0	0	25	0	0	0	0	0	0	0	25	6	0
Jammu	0830	..	..	..	..	26.1	23.7	22.2	26.7	79	0	2.7	−1.5	5.9	0	0	29	5	9	0	0	0	0	0	2	2	13
	1730	,,	..	..	..	30.9	25.5	23.1	28.3	62	..	1.8	..	10.4	0	0	27	1	5	0	0	0	0	0	1	4	20
Jammu (Aerodrome)	0530	292	1000.8	967.9	..	25.4	22.9	21.7	25.9	82	..	4.1	..	4.6	0	0	19	0	18	0	0	0	0	0	1	12	0
	0830	,,	1001.9	969.4	..	27.7	24.0	22.3	26.9	73	..	3.7	..	5.3	0	2	16	1	8	4	2	1	0	1	1	13	0
	1130	,,	1001.9	969.7	..	30.6	25.0	23.0	28.1	66	..	3.6	..	8.3	0	0	26	1	4	1	1	7	7	4	1	5	0
	1730	,,	999.0	967.4	..	32.1	25.5	22.3	26.9	60	..	3.5	..	7.8	0	1	27	2	2	1	1	5	5	11	1	3	0
	2330	,	1000.8	968.2	..	27.3	23.6	21.6	25.8	72	..	1.5	..	3.4	0	0	12	0	9	1	1	1	0	0	0	19	0
Rajasthan West		,,																									
Ganganagar	0530	177	1000.2	980.5	..	27.1	23.6	21.8	26.1	73	..	2.1	..	1.2	0	0	10	0	0	1	2	1	5	1	0	21	0
	0830	,,	1001.4	982.1	+2.3	29.0	24.4	22.2	26.7	68	−2	1.6	−0.9	4.1	0	0	28	0	0	4	4	4	14	2	0	3	0
	1130	,,	1001.3	982.0	..	33.9	25.7	21.9	26.3	51	..	2.0	..	5.0	0	1	28	0	2	1	3	3	12	7	1	2	0
	1730	,,	998.1	979.0	..	36.0	25.5	20.4	24.0	42	..	2.1	..	3.3	0	0	21	1	0	4	1	4	5	6	0	10	0
	2330	,,	1000.2	981.0	..	29.6	24.6	22.1	26.6	65	..	1.0	..	2.6	0	0	18	0	0	1	6	2	6	3	0	13	0
Anupgarh (R)	0830	154																									
(R)	1730	,,																									
Mahajan †	0830	187	1001.3	980.3	..	30.0	25.7	24.0	29.3	73	..	0.8	..	7.5	0	0	21	1	1	1	1	1	16	0	0	0	0
††	1730	,,	997.2	977.1	..	34.8	27.4	24.3	30.4	55	..	0.9	..	(i) 7.2	0	0	22	2	2	0	1	5	11	0	1	0	0
Churu	0830	291	1002.8	970.5	..	28.4	23.4	20.8	24.6	64	..	1.8	..	15.7	0	13	15	0	1	3	0	1	2	20	1	3	0
	1730	,,	998.9	967.4	..	34.1	23.6	18.0	20.6	41	..	3.0	..	13.7	0	7	23	5	0	4	0	1	3	13	4	1	0
Bikaner	0830	224	1002.4	977.5	+2.0	28.2	23.8	21.6	25.8	68	−44	0.5	−2.5	8.3	0	0	30	1	0	1	0	4	18	2	4	1	0
	1730	,,	998.8	974.4	..	35.4	24.7	19.1	22.1	41	..	0.8	..	8.4	0	0	30	3	2	0	1	1	19	2	2	1	0
Bikaner (P.B.O.)	0530	224	1001.0	975.9	..	26.9	23.4	21.6	25.9	74	..	1.6	..	5.9	0	0	22	0	0	0	0	4	16	1	1	9	0
	1130	,,	1002.3	978.4	..	33.0	25.1	21.3	25.5	52	..	2.2	..	7.2	0	0	29	0	2	0	1	2	17	4	3	2	0
	2330	,,	1001.5	976.6	..	30.2	23.8	20.8	24.8	59	..	1.5	..	6.8	0	0	27	0	1	2	1	6	16	1	0	4	0
Nagaur	0830	298	1003.1	970.2	..	29.4	24.5	22.1	26.5	66	..	3.1	..	8.0	0	0	31	2	0	1	0	9	13	5	1	0	0
	1730	,,	999.2	966.9	..	33.4	25.8	22.2	26.7	55	..	2.8	..	8.0	0	0	31	1	1	2	1	9	13	4	0	0	0
Phalodi	0830	234	1003.2	977.1	..	27.2	23.8	22.1	25.0	74	..	2.3	..	17.0	0	14	16	2	1	0	1	3	19	2	2	1	0
	1730	,,	1000.0	974.3	..	34.9	25.2	20.5	24.1	44	..	1.9	..	12.1	0	20	11	0	0	2	3	5	17	2	2	0	0
Jaisalmer	0830	242	1001.5	974.6	..	26.8	21.5	18.4	21.1	61	..	3.9	..	16.9	0	10	21	0	1	0	0	15	14	1	0	0	0
	1730	,,	997.8	971.7	..	35.1	27.4	23.9	29.6	50	..	2.0	..	14.9	0	9	21	0	1	0	1	16	12	0	0	1	0
Jodhpur	0230	224	1002.0	976.6	..	26.6	23.8	22.5	27.3	79	..	2.7	..	9.6	0	3	28	1	2	0	0	3	18	3	0	0	0
	0530	,,	1002.1	976.9	..	25.7	23.7	22.7	27.6	84	..	2.7	..	10.8	0	4	25	0	2	0	0	2	17	6	2	2	0
	0830	,,	1003.0	978.2	+3.0	26.1	24.3	23.3	28.6	81	+2	4.4	−1.6	13.4	0	4	25	0	2	1	0	1	18	7	0	2	0
	1130	,,	1003.7	978.9	..	30.7	25.4	22.9	27.9	63	..	4.5	..	14.1	0	8	21	1	0	1	1	4	16	6	0	2	0
	1430	,,	1001.6	977.0	..	33.5	26.1	22.8	27.8	55	..	4.1	..	19.4	0	16	14	1	1	0	0	6	17	3	2	1	0
	1730	,,	1000.1	975.5	..	32.9	25.8	22.5	27.3	53	..	3.6	..	14.7	0	9	21	0	2	1	1	4	18	2	2	1	0
	2030	,,	1001.4	976.7	..	30.3	24.9	22.3	26.9	64	..	2.8	.	10.6	0	3	27	1	0	1	0	4	21	3	0	1	0
	2330	,,	1002.8	977.9	..	28.1	24.4	22.6	27.4	73		2.5	..	9.5	0	2	28	2	1	0	1	3	15	7	1	1	0

(R) Register not received. (i) Mean of 22 days. †Observations for less than 15 days hence no means. ††Observations for 18 days. (c) Mean of 28 days. *Observations for 21 days. **Observations for 20 days.

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Rajasthan West (*Contd.*)																											
Barmer . . .	0530	194	1001.2	979.4	..	25.7	23.0	21.6	25.8	79	..	2.9	..	7.5	0	0	29	0	0	0	0	4	13	8	4	2	0
	0830	,,	1002.6	980.9	+1.5	26.8	23.6	22.0	26.4	75	—4	3.5	—1.9	6.6	0	0	29	1	0	0	1	1	20	3	3	2	0
	1130	,,	1002.7	981.2	..	30.9	24.2	20.9	24.7	56	..	4.0	..	7.5	0	0	31	0	2	0	1	7	17	3	1	0	0
	1730	,,	999.0	977.8	..	34.2	24.8	20.1	23.5	46	..	3.3	..	9.4	0	1	29	1	3	0	3	5	16	2	0	1	0
	2330	,,	1001.8	980.2	..	29.1	23.7	21.0	24.9	64	..	1.8	..	9.5	0	1	29	1	0	0	0	2	21	6	0	1	0
Erinpura (Jawai Dam)	0830	295	1004.3	971.3	..	26.0	23.2	21.6	25.8	76	..	4.7	..	6.0	0	0	28	0	1	0	1	7	14	5	0	3	0
	1730	,,	1001.2	968.8	..	30.8	24.5	21.4	25.5	58	..	4.0	..	6.0	0	0	27	0	0	0	2	4	9	12	0	4	0
Munabao . (R)	0830	80																									
(R)	1730	,,																									
Rajasthan East																											
Pilani . . .	0830	301	1002.8	969.4	..	28.5	23.8	21.7	25.9	70	..	2.5	..	18.7	0	15	16	0	2	2	3	0	10	14	0	0	0
	1730	,,	999.4	966.8	..	33.3	26.6	20.0	23.4	49	..	3.2	..	16.6	0	11	20	2	2	3	5	2	6	8	3	0	0
Sikar . . .	0830	433	1002.1	954.3	..	27.3	23.6	21.8	26.1	72	..	1.9	..	..	0	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	998.3	952.0	..	32.5	23.9	19.0	22.0	48	..	2.3	..	1.7	0	0	24	1	0	3	0	0	0	13	7	7	0
Alwar . . .	0830	271	1001.0	971.0	..	28.5	25.2	23.7	29.3	76	..	3.5	..	2.6	0	0	22	4	1	1	1	0	1	5	7	9	2
	1730	,,	998.4	969.0	..	32.8	27.0	24.5	30.7	62	..	3.8	..	1.2	0	0	16	1	8	0	1	2	4	0	0	15	0
Jaipur (Sanganer) .	0230	390	1001.2	958.0	..	26.2	22.6	20.8	24.6	74	..	2.7	..	2.9	0	0	21	1	0	6	0	0	0	9	5	10	0
	0530	,,	1001.5	958.2	..	24.8	22.2	20.7	24.4	78	..	2.9	..	2.8	0	0	15	2	0	4	0	0	0	5	4	16	0
	0830	,,	1002.7	959.7	+1.0	27.8	23.4	21.2	25.2	68	—12	3.4	—2.0	9.2	0	3	24	1	1	6	1	0	0	9	9	4	0
	1130	,,	1002.4	959.9	..	31.3	24.1	20.4	24.0	54	..	4.4	..	11.5	0	4	24	0	0	3	1	0	2	13	7	3	2
	1430	,,	1000.3	958.0	..	32.7	24.1	19.4	22.5	49	..	4.7	..	9.1	0	1	28	2	3	1	1	1	4	15	2	2	0
	1730	,,	998.9	956.6	..	32.4	23.8	19.1	22.1	49	..	4.6	..	6.5	0	0	28	3	2	3	0	0	4	13	3	3	0
	2030	,,	1000.8	958.1	..	29.3	23.4	20.2	25.7	61	..	3.5	..	5.2	0	1	21	2	1	5	1	0	2	9	2	9	0
	2330	,,	1001.9	958.9	..	27.5	22.9	20.4	23.7	67	..	2.9	..	3.4	0	0	17	0	0	5	0	0	1	7	4	14	0
Dholpur . . .	0830	176	1002.1	982.5	..	28.7	25.2	23.6	29.1	71	..	3.0	..	3.0	0	0	21	1	2	3	1	0	0	12	2	10	0
	1730	,,	998.5	979.5	..	33.2	26.1	22.4	27.1	55	..	2.9	..	2.0	0	0	15	0	4	1	1	0	2	7	0	16	0
Ajmer . . .	0830	486	1003.3	949.9	+1.4	26.2	22.8	21.1	25.0	74	—3	4.5	—0.5	13.5	0	7	21	0	0	0	0	1	15	8	4	3	0
	1730	,,	999.5	947.1	..	31.4	23.7	20.1	23.5	53	..	4.3	..	10.3	0	1	30	3	2	1	1	1	13	8	2	0	0
Tonk . . .	0830	272	1002.2	972.2	..	28.4	25.0	23.3	28.6	75	..	4.0	..	7.4	0	0	31	1	1	3	1	0	2	14	9	0	0
	1730	,,	998.0	968.6	..	33.5	25.8	22.2	26.7	55	..	3.7	..	5.3	0	0	30	3	3	1	0	1	8	10	4	1	0
Bhilwara . .	0830	425	1003.9	957.0	..	26.7	23.2	21.4	25.5	73	..	5.8	..	9.9	0	0	30	6	1	0	0	0	19	0	4	1	0
	1730	,,	1001.1	955.9	..	31.2	23.4	19.1	22.1	51	..	5.2	..	13.0	0	4	25	6	1	1	0	5	9	7	0	2	0
Kota . . .	0830	257	1003.0	974.6	+1.4	29.1	28.0	23.0	28.4	71	—4	4.3	—0.9	10.1	0	0	29	2	2	0	0	0	10	7	8	2	0
	1730	,,	999.4	971.6	..	32.4	25.5	22.4	27.1	58	..	5.0	..	8.1	0	1	28	1	1	1	0	2	8	4	12	2	0
Kota (Aerodrome) .	0530	274	1002.0	971.5	..	26.6	23.5	22.2	26.7	76	..	3.0	..	7.1	0	0	29	1	0	0	1	0	14	13	0	2	0
	0830	,,	1003.4	973.0	..	28.3	24.2	22.2	26.7	70	..	3.5	..	9.4	0	0	30	2	1	2	0	0	9	13	3	1	0
	1130	,,	1003.5	973.4	..	31.2	24.5	21.3	25.3	56	..	4.7	..	10.1	0	1	29	1	3	0	0	0	8	11	7	1	0
	1730	,,	999.8	970.0	..	32.9	24.0	19.3	22.4	48	..	5.6	..	10.3	0	0	30	3	1	0	0	0	11	9	6	1	0
	2330	,,	1003.0	972.4	..	28.6	23.7	21.1	25.0	65	..	3.7	..	11.0	0	2	27	0	1	1	0	1	18	5	3	2	0
Chambal (Rawat Bhatta Dam)	0830	351	1002.3	963.5	..	27.2	24.2	22.7	27.6	77	..	2.4	..	2.4	0	0	22	2	1	0	0	1	9	6	3	9	0
	1730	,,	998.9	960.6	..	31.1	24.5	21.2	25.2	58	..	3.7	..	6.7	0	1	30	0	4	0	0	2	12	5	8	0	0
Udaipur . . .	0230	582	1003.1	939.1	..	24.4	22.1	21.0	24.9	82	..	3.8	..	2.1	0	0	7	1	0	0	0	2	4	0	0	24	0
	0530	,,	1003.2	939.0	..	23.6	21.5	20.5	24.1	83	..	4.4	..	0.8	0	0	3	0	0	0	0	0	3	0	0	28	0
	0830	,,	1004.1	940.3	+1.7	25.6	22.1	20.5	24.1	74	—4	5.3	—0.5	2.8	0	0	14	1	1	0	0	5	6	1	0	17	0
	1130	,,	1004.2	940.8	..	28.0	23.1	20.8	24.6	66	..	6.5	..	3.7	0	0	20	0	2	0	0	3	13	1	1	11	0
	1730	,,	1001.4	938.4	..	28.6	23.3	20.9	24.7	65	..	6.0	..	3.2	0	0	20	1	0	0	0	3	9	4	1	11	2
	2330	,,	1004.0	940.1	..	25.1	22.3	21.0	24.9	79	..	3.7	..	1.6	0	0	8	0	0	0	0	0	7	1	0	23	0
Jhalawar. . .	0830	321	1003.2	967.6	+1.3	27.0	23.9	22.4	27.1	76	—8	4.2	—0.2	7.0	0	0	30	2	2	0	0	9	12	13	1	1	0
	1730	,,	1000.1	965.0	..	31.1	24.3	20.8	24.6	57	..	5.4	..	7.4	0	0	30	1	2	2	1	0	11	10	3	1	0
Banaswara . .	0830	220	1005.1	980.4	..	25.8	24.1	23.2	28.4	85	..	5.8	..	7.1	0	0	30	0	0	0	0	0	23	5	2	1	0
	1730	,,	1001.5	977.2	..	30.6	25.0	22.4	27.1	63	..	4.0	..	8.2	0	1	30	0	0	0	0	0	20	9	2	0	0
Madhya Pradesh West																											
Gwalior . . .	0230	207	1000.9	977.9	..	27.5	23.9	22.1	26.6	74	..	3.7	..	5.6	0	1	24	1	0	1	2	0	9	8	4	6	0
	0530	,,	1001.1	978.2	..	26.8	23.5	21.8	26.1	75	..	4.0	..	6.5	0	1	28	1	1	4	1	2	6	11	3	2	0
	0830	,,	1002.5	979.5	+1.8	29.2	24.5	22.3	26.7	68	—14	4.3	—1.8	10.1	0	1	29	1	1	3	3	1	0	15	6	1	0
	1130	,,	1002.5	979.7	..	32.0	25.4	22.4	27.1	58	..	4.7	..	11.6	0	3	27	1	1	3	2	1	1	12	9	1	0
	1430	,,	1000.3	977.7	..	33.4	25.6	22.0	26.4	53	..	5.7	..	10.0	0	2	28	1	6	1	1	0	3	7	11	1	0
	1730	,,	999.2	976.6	..	32.4	25.2	21.7	26.1	56	..	5.5	..	7.5	0	0	30	1	1	5	1	2	1	12	7	1	0

(R) Register not received.

Sub-Division and station	Hour of observation I. S. T	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh West—(*Contd.*)																											
Gwalior . . .	2030	207	1000·9	978·0	..	29·9	24·7	22·3	26.9	65	..	3.5	..	3·7	0	0	21	0	1	3	1	1	9	4	2	10	0
	2330	,,	1001·7	978·7	..	28·8	24·4	22·6	27.4	72	..	3·4	..	5 1	0	0	26	0	2	5	1	1	12	3	2	5	0
Sheopur . . .	0830	235	1003.6	977·5	+2·9	28·1	24•5	22·8	27.7	74	−14	3·7	−3·2	9·1	0	0	30	1	1	2	1	5	11	8	1	1	0
	1730	,,	999·5	973·9	..	33·0	14·8	20·7	24.6	51	..	4·8	..	11·4	0	3	28	5	1	5	1	4	6	8	1	0	0
Shivpuri . . .	0830	464	1002·9	951·7	..	26·5	23·2	21·8	25·9	76	..	3·7	..	10·0	0	3	27	1	1	4	0	0	2	20	2	1	0
	1730	,,	999·5	949·2	..	29·8	23·5	20·5	24·3	60	..	5·0	..	7·0	0	0	27	0	8	0	0	0	0	8	11	4	0
Nowgong . .	0830	229	1002·8	977·4	+1·5	27·9	24·5	22·8	27·9	75	−8	4·8	−1·5	6.4	0	0	30	0	4	1	0	3	19	3	0	1	0
	1730	,,	999·5	974·5	..	31·0	25·0	22·0	26·7	63	..	6·0	..	4·5	0	0	29	2	4	2	0	0	9	5	7	2	0
Guna . . .	0530	478	1002·9	949·8	..	23·6	22·0	21·2	25·3	87	..	5·3	..	10·9	0	4	25	1	2	1	1	3	14	7	0	2	0
	0830	,,	1003·9	951·1	+1·9	26·2	23 6	22·4	27·3	80	−6	5·1	−0·9	8·5	0	3	28	2	1	0	1	0	12	13	2	0	0
	1130	,,	1003·4	951·6	..	30·0	24·7	22·4	27·1	65	..	5·6	..	15·5	0	8	23	1	2	1	0	1	9	12	5	0	0
	1730	,,	1000·0	948·2	..	30·3	23·9	21·0	25·2	60	..	5·6	..	16·0	0	8	22	3	2	3	1	0	8	10	3	1	0
	2330	,,	1003·4	950·6	..	25·5	22·4	21·0	24·9	77	..	3·6	..	10·1	0	2	25	0	0	1	2	4	8	11	1	4	0
Nimach . . .	0830	496	1004·9	950 1	+2.0	25·5	22·7	21·4	25·5	79	−6	4·5	−1·5	16·3	0	10	21	0	2	1	0	0	7	20	1	0	0
	1730	,,	1001·5	947·7	..	29·6	23 2	20·1	23·7	58	..	5·6	..	16.6	0	14	17	2	0	0	0	0	10	14	4	0	1
Rajgarh . . .	0830	382	1003·6	961·3	..	26·3	23·6	22·3	26·9	79	..	4·7	..	11·9	0	6	25	2	1	1	0	2	5	18	2	0	0
	1730	,,	1000·5	958·9	..	31·1	24·2	20·6	24·4	56	..	6.0	..	10·2	0	4	27	2	2	2	2	1	2	14	6	0	0
Sagar . .	0830	551	1004·2	943·5	+2·2	25·1	22·7	21·5	25·8	81	−7	5·3	−1·3	5·3	0	0	29	0	0	1	0	0	9	14	5	2	0
	1730	,,	1000·5	940·6	..	27·7	23·1	20·9	24·9	69	..	5·8	..	4·4	0	0	29	0	2	0	1	0	9	9	8	2	0
Ratlam . . .	0830	486	1005·3	951 4	+2·3	24·7	22·6	21·7	25·9	84	−9	7·0	−0·6	10·7	0	3	25	1	0	1	0	0	7	15	4	3	0
	1730	,,	1002·0	948·9	..	28·8	23·7	21·3	25·6	65	..	6·4	..	14·1	0	4	27	1	1	0	0	0	9	13	7	0	0
Bhopal (Bairagarh) .	0230	523	1003·1	945·3	..	24·1	22·3	21·4	25·6	85	..	5·7	..	8·7	0	0	27	0	0	0	0	1	13	8	5	4	0
	0530	,,	1003·5	945·5	..	23·4	22·1	21·4	25·5	89	..	5·7	..	9·7	0	0	29	1	0	0	0	0	15	9	4	2	0
	0830	,,	1004·5	947·2	+2·0	25·3	23·1	22·2	26·6	83	−4	6·1	−0.5	13·4	0	9	18	1	0	0	0	0	6	16	4	4	0
	1130	,,	1004·2	947·2	..	28·7	24·3	22·2	27·1	68	..	6·3	..	13·4	0	10	20	2	0	1	2	3	6	11	5	1	0
	1430	,,	1001·6	945·0	..	30·1	24·4	21·9	26·3	63	..	6·4	..	15·9	0	12	18	1	0	0	1	4	7	11	6	1	0
	1730	,,	1000·7	944.0	..	29·2	23·8	21·2	25·5	64	..	6·6	..	13·1	0	6	23	3	0	0	2	2	8	7	7	2	0
	2030	.	1002·9	945·6	..	26·6	23·4	21·8	26·4	77	..	6·2	..	6·8	0	1	23	1	0	1	3	3	6	7	3	7	0
	2330	,,	1003·9	946·2	..	25·3	22·9	21·8	26·1	82	..	5·4	..	8·6	0	0	26	1	0	0	1	3	10	10	1	5	0
Ujjain . . .	0830	489	1005·2	951·0	..	25·2	23·0	22·1	26·4	83	..	6·7	..	16·6	0	13	15	0	0	1	0	0	3	14	10	3	1
	1730	,,	1001·3	948·0	..	29·5	23·5	20·9	24·6	63	..	6 3	..	20·0	0	20	10	1	0	1	1	3	1	11	12	1	0
Narsinghpur . .	0830	356	1004·6	964.9	..	25·9	24·0	23·0	28·3	85	..	6·3	..	2·6	0	0	27	1	1	0	0	0	20	0	5	4	0
	1730	,,	1000·7	961·6	..	29·1	25·5	23.8	29·7	75	..	6·8	..	2·7	0	0	31	0	2	0	1	0	13	0	15	0	0
Hoshangabad .	0830	302	1005·2	971·4	+1.7	25·3	23·6	22·8	27·6	87	−1	6·7	−0.3	3·7	0	1	30	4	1	0	0	3	19	1	3	0	0
	1730	,,	1001·2	968·0	..	29·6	24·7	22·4	27·1	67	..	4·8	..	3·0	0	0	30	1	1	0	0	1	21	2	4	1	0
Indore . .	0530	567	1003·8	941·1	..	23·0	21·9	21·3	25·5	90	..	5·5	..	10·6	0	3	23	0	0	0	0	1	18	6	1	5	0
	0830	,,	1005.3	942·7	+1.5	24·4	22·5	21·7	25·9	85	−2	5·8	−1 4	13·4	0	6	23	0	1	1	0	1	11	12	3	2	0
	1130	,,	1004·6	942·7	..	27·8	23.4	21·4	25·5	69	..	5·4	..	15·9	0	13	16	1	1	0	0	2	12	10	3	2	4
	1730	,,	1001·3	939·7	..	28·0	22·9	20·5	24·1	65	..	5·3	..	15·2	0	8	21	2	0	0	0	2	13	7	5	2	0
	2330	,,	1004·6	942·0	..	23·8	22·0	21·2	25·2	86	..	4·5	..	12·1	0	4	24	0	0	0	0	0	20	6	2	3	0
Rajpur (Jhabua) .	0830	293	1006·1	973·2	..	25·3	23·6	22·7	27·6	86	..	5·9	..	10·5	0	1	27	0	0	1	0	0	3	24	0	3	0
	1730	,,	1002·4	970·2	..	29·6	24·7	22·3	26·9	66	..	5·1	..	12·5	0	0	31	0	0	0	0	4	1	26	0	0	0
Chhindwara . .	0830	685	1004·5	929·4	+2·1	23·8	21·7	20·7	24·4	83	−4	5·6	−1.0	8·2	0	3	20	4	0	1	0	0	2	11	5	8	0
	1730	,,	1001·5	927·1	..	26·0	22·5	20·8	24·6	75	..	7·1	..	10·3	0	5	19	2	0	2	0	1	2	14	3	7	0
Seoni . . .	0830	619	1004·8	936·9	+2.3	25·0	22.5	21·3	25·3	81	−3	6·1	−0.1	8·7	0	0	31	1	0	2	1	2	13	9	3	0	0
	1730	,,	1001·4	934·2	..	27·0	23·1	21·3	25·3	73	..	6·5	..	10·5	0	2	29	2	0	1	3	3	8	10	3	0	1
Betul . . .	0830	653	1005·7	933·8	+2·3	23·4	22·0	21·3	25·3	88	−2	6·6	−1·0	4·2	0	0	27	3	0	0	4	2	1	11	6	4	0
	1730	,,	1001·7	930·7	..	26·5	23.0	21·4	25·5	75	..	7·3	..	4·5	0	0	30	1	1	0	1	1	2	12	12	1	0
Khandwa .	0830	318	1005·8	970·3	+1·9	25.6	23·5	22·5	27·2	83	0	6·4	+0·6	3·4	0	0	30	1	0	0	1	5	19	1	3	1	0
	1730	,,	1001·8	966·8	..	29·6	24·5	22·1	25·6	66	..	6·1	..	4·1	0	0	31	0	2	1	1	1	17	1	8	0	0
Madhya Pradesh East																											
Satna . .	0530	317	1001·8	966·4	..	25.5	23·3	22·1	26·8	82	..	5·8	..	5·4	0	0	27	0	1	2	0	0	18	5	1	4	0
	0830	,,	1003·0	967·9	+2.1	27·7	24·0	22·2	26·8	73	−11	5·5	−0.9	5·0	0	0	31	0	0	2	3	0	2	20	4	0	0
	1130	,,	1002·8	967·9	..	30·5	24·9	22·2	26·9	63	..	5·7	..	8·5	0	0	31	0	0	1	3	2	8	15	2	0	0
	1730	,,	999 8	965·0	..	29·6	24·3	21·7	26·0	66	..	5·9	..	6 1	0	0	30	1	0	3	0	1	5	16	4	1	0
	2330	,,	1002·4	967.2	..	26·6	24·0	22·7	27·8	81	..	5·0	..	4·7	0	0	25	0	3	1	1	4	12	4	0	6	0
Rewa . . .	0830	299	1002·9	969·7	..	28·2	24 5	22·6	27·3	72	..	5·0	..	7·5	0	0	31	4	2	1	1	1	7	11	4	0	0
	1730	,,	999·7	966·9	..	30·6	24·9	22 2	26·9	64	..	6·2	..	6·3	0	0	31	4	3	0	2	0	5	11	6	0	0

Sub-Division and station	Hour of observation I. S. T	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh East—(Contd.)																											
Sidhi	0830	*272	1002·5	972·3	..	28·0	24·8	23·3	28·6	76	..	5·8	..	2·8	0	0	26	0	0	3	1	4	0	18	0	5	0
	1730	,,	999·2	969·3	..	29·7	25·0	22·8	27·7	68	..	6·0	..	3·9	0	0	30	1	0	6	0	1	0	22	0	1	0
Umaria	0830	459	1004·1	953·4	..	26·0	23·6	22·4	27·4	81	—2	6·5	—0·5	7·1	0	0	29	1	2	1	0	1	9	12	1	2	2
	1730	,,	1000·7	950·5	..	28·3	24·6	23·0	28·3	75	..	7·0	..	6·9	0	1	29	1	3	1	3	1	5	10	3	1	3
Jabalpur	0530	393	1003·3	959·6	..	24·0	22·8	22·1	26·8	89	..	6·1	..	2·7	0	0	18	0	0	0	1	3	4	10	0	13	0
	0830	,,	1004·6	961·1	+2·7	26·2	23·9	22·7	27·8	81	—3	6·2	—0·6	3·9	0	0	26	0	0	1	0	3	13	9	0	5	0
	1130	,,	1003·9	960·9	..	29·4	24·8	22·6	27·6	68	..	6·5	..	6·4	0	0	30	0	3	0	1	2	11	12	1	1	0
	1430	,,	1001.4	958·6	..	30·0	24·7	22·1	26·8	65	..	6·7	..	5·5	0	0	27	2	0	2	1	3	9	9	1	4	0
	1730	,,	1000.9	957·9	..	28·5	24·2	22·1	26·4	71	..	7·2	..	5·0	0	0	29	0	2	4	1	6	6	7	3	2	0
	2330	,,	1003·7	960·1	..	25·1	23·2	22·2	26·8	85	..	6·2	..	2·5	0	0	18	0	0	1	0	7	2	3	0	13	0
Ambikapur	0830	611	1004·3	937·4	+3·0	25·1	23·2	22·3	26·9	85	—3	6·3	+0·3	3·8	0	0	21	0	2	0	1	6	10	2	0	10	0
	1730	,,	1001·0	934·6	..	26·5	23·8	22·6	27·7	80	..	6·8	..	3·3	0	0	24	3	2	0	2	5	6	4	2	7	0
Jashpur Nagar	0830	*779	1003·4	918·8	..	23·9	22·0	21·2	25·1	85	..	5.5	..	2·4	0	0	28	1	2	0	1	1	19	1	3	3	0
	1730	,,	1001·1	917·1	..	25·3	22·7	21·5	25·6	80	..	5·2	..	2·0	0	0	30	0	2	0	1	0	13	1	13	1	0
Pendra	0530	625	1002·9	934·5	..	23·1	22·0	21·4	25·5	93	..	6·1	..	7·2	0	3	21	2	0	0	0	13	3	3	3	7	0
	0830	,,	1004·4	936·0	+2·5	25·0	22·9	22·0	26·4	84	—1	5·9	+0·3	10·1	0	2	28	5	0	0	2	11	2	4	6	1	0
	1130	,,	1003·8	935·9	..	27·3	23·7	22·1	26·6	74	..	6·2	..	11·0	0	3	25	5	0	0	0	8	3	7	5	3	0
	1430	,,	1001·4	933·7	..	27·2	23·7	22·1	26·6	75	..	6·3	..	12·5	0	6	25	6	1	0	1	6	7	6	4	0	0
	1730	,,	1001·2	933·3	..	26·1	23·2	21·9	26·3	79	..	6·7	..	8·9	0	3	27	3	1	0	1	9	5	5	6	1	0
	2330	,,	1004·0	935·3	..	23·5	22·4	21·9	26·3	91	..	5·5	..	9·3	0	4	23	4	0	1	1	13	7	1	0	4	0
Mandla	0830	443	1004·7	955·8	+2·9	25·9	23·5	22·3	26·9	81	—7	5·2	—1·8	2·5	0	0	13	4	0	0	0	5	1	0	3	18	0
	1730	,,	1000·9	952·5	..	28·0	24·0	22·1	26·6	72	..	6·1	..	4·3	0	0	24	7	1	0	0	9	0	0	7	7	0
Champa	0830	245	1004·6	977·3	+2·9	27·0	24·9	23·9	29·6	84	—3	6·5	—0·7	4·1	0	0	25	0	0	4	1	2	5	10	3	6	0
	1730	,,	1001.4	974·2	..	28·6	25·2	23·7	29·3	77	..	7·4	..	4·2	0	0	27	4	1	1	0	1	11	7	2	4	0
Raigarh	0830	220	1004.9	980·2	+3·4	27·7	25·1	24·0	29·7	81	—5	6·6	—0·6	3·4	0	0	30	0	2	0	3	5	12	2	6	1	0
	1730	,,	1001·2	976·8	..	29·0	25.3	23·7	29·3	74	..	7·7	..	2·5	0	0	26	3	1	0	4	0	11	5	2	5	0
Raipur	0530	298	1003·6	970·3	..	24·8	23·8	23·3	28·6	91	..	6·5	..	6·0	0	0	28	0	0	0	0	7	11	9	1	3	0
	0830	,,	1005·1	971·9	+2·7	26·8	24·5	23·5	28·9	82	—4	6·4	+0·1	7·7	0	0	29	0	0	2	0	4	8	13	2	2	0
	1130	,,	1004·6	971·7	..	29·6	25·4	23·5	29·0	70	..	6·5	..	10·1	0	3	26	0	0	1	0	3	8	12	5	2	0
	1430	,,	1002·2	969·4	..	30·4	25·3	23·0	28·1	66	..	6·1	..	9·0	0	0	28	2	1	1	1	2	4	13	4	3	0
	1730	,,	1001·4	968·6	..	29·1	24·8	22·9	27·9	70	..	7·1	..	7·4	0	0	29	0	2	2	0	5	5	13	2	2	0
	2330	,,	1004·3	971·0	..	25·7	24·3	23·5	29·0	88	..	5·6	..	8·3	0	0	29	0	1	2	0	8	12	5	1	2	0
Kanker	0830	402	1005·5	961·0	+2·4	26·9	24·4	23·0	28·6	80	—2	6·3	—0·5	3·5	0	0	19	0	0	0	0	0	11	7	1	12	0
	1730	,,	1002·1	958·2	..	27·9	24·8	23·2	28·6	75	..	7·2	..	3·2	0	0	21	0	2	0	0	1	5	12	1	10	0
Jagdalpur	0530	553	1004·2	943·2	..	23·0	22·0	21·5	25·6	91	..	6·3	..	2·1	0	0	12	0	0	0	0	2	8	1	1	19	0
	0830	,,	1005·5	944·8	+2·1	25·6	23·0	21·9	26·1	80	—5	6·3	+0·2	5·0	0	0	22	0	1	0	0	4	13	3	1	9	0
	1130	,,	1004·6	944·5	..	27·9	23·6	21·7	26·0	70	..	6·5	..	8·7	0	1	28	0	0	1	0	2	16	4	6	2	0
	1730	,,	1002·3	942·0	..	26·6	23·4	22·0	26·4	77	..	7·3	..	6·0	0	0	28	1	0	0	2	2	15	5	3	3	0
	2330	,,	1005·0	944·5	..	24·1	22·8	22·1	26·6	89	..	5·2	..	3·2	0	0	16	0	0	0	2	1	8	5	0	15	0
Gujarat Region (Including Daman, Dadra and Nagar Haveli)																											
Deesa	0830	136	1005·2	989·9	+2·2	26·3	24·1	23·0	28·3	82	..	5·4	..	9·9	0	0	30	0	0	0	4	6	12	0	8	1	0
	1730	,,	1001·1	986·1	..	32·2	24·8	21·2	25·2	55	..	4·7	..	13·2	0	2	29	1	1	0	4	1	19	1	4	0	0
Radhanpur	0830	30	1005·1	1001·7	..	26·8	24·8	23·8	29·7	85	..	2·2	..	4·3	0	0	31	2	0	0	1	4	21	0	3	0	0
	1730	,,	1002·5	998·7	..	32·6	26·4	23·4	28·8	66	..	1·4	..	4·0	0	0	31	0	1	1	0	2	27	0	0	0	0
Idar	0830	219	1005·0	980·4	..	25·2	23·7	22·8	27·9	85	..	6·2	..	3·0	0	0	30	0	2	0	0	0	13	12	2	1	0
	1730	,,	1001·6	977·4	..	30·6	25·0	22·4	27·1	63	..	6·1	..	4·3	0	0	29	1	0	1	0	1	13	10	3	2	0
Ahmedabad	0230	55	1003·8	997·5	..	26·2	24·3	23·4	28·9	85	..	4·5	..	9·9	0	0	30	0	0	1	0	1	9	14	5	1	0
	0530	,,	1003·8	997·5	..	25·2	23·9	23·2	28·6	89	..	4·3	..	8·5	0	0	25	1	0	0	0	0	10	8	6	6	0
	0830	,,	1005·4	999·1	+1·5	26·5	24·5	23·6	29·1	84	+2	5·4	—0·8	8·5	0	0	29	0	1	0	0	1	9	9	9	2	0
	1130	,,	1005·6	999·4	..	29·7	25·6	23·5	29·3	70	..	5·5	..	10·7	0	1	29	2	0	0	0	1	9	13	5	1	0
	1430	,,	1003·5	997·3	..	32·0	26.1	23·5	28·9	62	..	5·4	..	11·2	0	2	26	1	0	0	0	2	11	9	5	3	0
	1730	,,	1002·0	995·8	..	32·1	26.0	23·2	28.6	61	..	4·5	..	10·1	0	0	28	1	0	0	1	2	11	11	2	3	0
	2030	,,	1003·4	997·0	..	29·3	25.7	24·1	30.0	75	..	4·5	..	7·5	0	1	19	0	0	0	1	5	8	5	1	11	0
	2330	,,	1004·6	998·3	..	27·9	24.9	23·5	28.9	78	..	4·9	..	9·7	0	1	26	0	0	0	1	1	9	15	1	4	0
Dohad	0830	333	1005·4	968·2	+1.8	25·3	23.3	22·4	27.1	84	—5	6·5	—0·7	15·3	0	12	19	2	0	0	0	1	12	15	1	0	0
	1730	,,	1001·6	965·1	..	29·9	24.3	21·4	25.8	62	..	5·6	..	17·0	0	12	19	0	0	0	0	0	14	13	4	0	0
Vallabh Vidyanagar	0830	44	1005·2	1000·4	..	25·8	24·5	23·9	29·7	89	..	5·0	..	6·2	0	0	29	0	1	0	2	3	17	2	4	2	0
	1730	,,	1002.2	997·3	..	31·4	25·9	23·2	28·9	63	..	4·0	..	6·7	0	1	29	0	1	0	1	1	21	2	4	1	0

*Height provisionally calculated.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, per hour Km.	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Gujarat Region (Including Daman, Dadra and Nagar Haveli) (*Contd.*)																											
Baroda (Aerodrome)	0830	38	1005·7	1001·4	..	26·8	25·1	24·4	30·5	87	..	5·7	..	12·5	0	3	26	0	0	0	1	4	18	4	2	2	0
	1130	,,	1005·8	1001·5		29·8	25·8	24·0	30·0	71	..	5·5	..	14·6	0	6	24	0	0	0	2	2	11	10	5	1	0
	1730	,,	1002·2	997·9	..	31·5	26·3	23·9	29·7	66	..	4·7	..	16·3	0	8	23	2	1	0	0	3	15	7	3	0	0
Baroda . . .	0530	34	1004·3	1000·3	..	25·6	24·2	23·7	29·1	89	..	5·5	..	1 4	0	0	14	0	0	0	0	0	3	11	0	17	0
	0830	,,	1006·0	1002·0	+2·1	26·8	25·2	24·4	30·7	87	−1	5·0	−1.6	1·0	0	0	14	0	0	0	0	0	3	11	0	17	0
	1130	,,	1006·1	1002·2	..	30·2	25.9	23·9	30·0	70	..	4·9	..	2·5	0	0	27	0	0	0	0	0	6	21	0	4	0
	1730	,,	1002·5	998·7	..	32·3	26·6	24·0	30·0	63	..	3.8	..	1 9	0	0	25	0	0	0	0	0	3	22	0	6	0
	2330	,,	1005·1	1001·2	..	27·2	25·2	24·3	30·4	85	..	4.1	..	1 9	0	0	22	0	0	0	0	0	12	10	0	9	0
Broach . . .	0830	17	1005·4	1003 4	+1·8	26·3	24·8	24·2	30·0	89	0	5·7	−1.1	6·1	0	0	31	1	1	0	0	0	27	0	2	0	0
	1730	,,	1002·6	1000·7	..	30·9	26·5	24·6	30·9	70	..	5·1	..	7·1	0	0	31	1	0	0	0	0	23	4	3	0	0
Surat . . .	0530	12	1004·7	1003·5	..	25·7	24·8	24·3	30·5	91	..	5.4	..	7·6	0	0	31	0	0	0	0	0	31	0	0	0	0
	0830	,,	1006·2	1004·9	+1·5	26·9	25·3	24·5	30·9	87	+5	6·3	−0·6	6·6	0	0	31	0	4	0	1	0	20	0	6	0	0
	1130	,,	1006·4	1005·1	..	29·2	25·7	24·1	30·2	75	..	6·0	..	9·7	0	0	31	0	3	0	1	0	22	0	5	0	0
	1730	,,	1003·7	1002·4	..	29·7	26·0	24·4	30·7	74	..	5.9	..	10·5	0	1	30	0	0	0	0	0	27	1	3	0	0
	2330	,,	1006·0	1004·7	..	27·1	25·5	24·8	31·3	87	..	4.9	..	8·6	0	0	31	0	0	0	0	1	30	0	0	0	0
Saurashtra and Kutch (Including Diu)																											
Naliya . . .	0230	21	1004·3	1001·9	..	27·0	25·0	24·0	30·0	84	..	5·7	..	16·7	0	12	19	0	0	0	0	2	22	6	1	0	0
	1730	,,	1002·4	1000·0	..	28·7	25·4	23·9	29·7	76	..	5·9	..	16·7	0	10	21	0	0	0	0	2	26	3	0	0	0
Bhuj (Rudramata) .	0230	80	1003·2	994·1	..	25·8	24·8	24·4	30·5	92	..	4.2	..	14·6	0	5	23	0	0	0	0	0	12	15	1	3	0
	0530	,,	1003·1	994·3	..	25·4	24·5	24·1	30·0	92	..	4·6	..	12·6	0	3	23	0	0	0	0	0	9	17	0	5	0
	0830	,,	1004·5	995·5	+2·1	26·7	25·1	24·4	30·6	88	+11	5·9	−0·1	18·1	0	12	19	0	0	0	0	0	9	17	5	0	0
	1130	,,	1004·6	995·7	..	29·9	26·5	24·9	31·5	75	..	5·2	..	22·5	0	18	13	1	0	0	0	0	10	16	4	0	0
	1430	,,	1002·9	994·0	..	31·7	27·0	25·0	31·7	68	..	5·3	..	23·6	0	21	9	0	0	0	0	0	10	18	2	1	0
	1730	,,	1001·9	992·9	..	30·6	26·4	24·6	30·9	74	..	4·9	..	22 8	0	21	9	0	0	0	0	0	10	19	1	1	0
	2030	.	1003·3	994·3	..	27·5	25·3	24·3	30·4	83	..	4·1	..	19·2	0	11	20	0	0	0	0	0	10	20	1	0	0
	2330	,,	1004·6	995·4	..	26·3	25·1	24·6	30·9	90	..	3·9	..	16·4	0	6	24	0	0	0	0	0	13	16	1	1	0
Kandla (Aerodrome)	0830	35	1004·9	1001·0	..	27·4	24·3	22·9	27·9	77	..	4·0	..	22·3	0	20	11	0	0	0	0	1	20	7	3	0	0
	1130	,,	1005·2	1001·3	..	30·7	24·8	22·0	26·6	60	..	4·5	..	25 2	0	19	11	0	0	0	0	0	21	5	4	1	0
	1730	,,	1002·2	998·3	..	31·4	24·8	21·6	25·9	57	..	3·6	..	31·7	0	30	1	0	0	0	0	1	27	3	0	0	0
New Kandla . .	0830	14	1005·3	1003·7	..	27·4	24·6	23·3	28·6	78	..	5·5	..	18·8	0	14	17	1	0	0	0	0	7	18	5	0	0
	1730	,,	1002·8	1001·2	..	30·8	25·2	22·6	27·4	63	..	4·4	..	32·7	0	30	1	0	0	0	0	0	15	16	0	0	0
Mandvi . . .	0830	9	1005·1	1004·0	+2·5	27·6	24·8	23·3	28·9	79	−10	6·0	−0·7	37·1	1	29	1	0	0	0	0	0	16	12	3	0	0
	1730	..	1003·3	1002·2	..	28·7	25·3	23·8	29·5	76	..	5·4	..	39·1	0	31	0	0	0	0	0	0	15	16	0	0	0
Surendranagar .	0830	74	1005·4	997·0	+2·5	27·2	24·8	23·7	29·3	82	−4	5·4	−1·3	9 9	0	0	31	0	0	0	0	0	10	16	5	0	0
	1730	,,	1001·8	993·6	..	32·6	25·7	22·5	27·6	57	..	5·4	..	9·0	0	2	27	1	0	0	1	1	1	24	1	2	0
Okha . . .	0530	7	1003·8	1003·0	..	26·6	24·8	24·1	29·8	87	..	3.6	..	23·9	0	19	12	0	0	0	0	0	12	15	4	0	0
	0830	,,	1005·6	1004·8	..	27·1	25·1	24·2	30·2	85	..	5·8	..	22·0	0	18	13	0	0	0	0	1	10	15	5	0	0
	1130	,,	1006·2	1005·4	..	28·5	25·7	24·4	30·7	79	..	5·0	..	24·0	0	22	9	0	0	0	0	0	11	16	4	0	0
	1730	,,	1003·7	1002·9	..	28·4	25·5	24·3	30·4	79	..	3·7	..	26·4	0	25	6	0	0	0	0	0	12	17	2	0	0
	2330	,,	1005·6	1004·8	..	27·0	25·1	24·4	30·4	87	..	3·5	..	22·3	0	22	9	0	0	0	0	0	16	13	2	0	0
Jamnagar (Aerodrome)	0530	23	1003·9	1001·3	..	25·1	23·9	23·2	28·6	87	..	4·9	..	14·9	0	5	23	0	0	0	0	0	8	19	1	3	0
	0830	,,	1005·3	1002·7	+2·0	26·6	24·6	23·5	29·3	81	−1	5·9	+1·0	16·3	0	7	24	1	0	0	0	0	9	19	2	0	0
	1130	,,	1005·6	1003·1	..	29·5	25·0	22·9	28·3	69	..	5·5	..	26·3	0	27	4	1	0	0	0	0	3	21	6	0	0
	1730	,,	1002·9	1000·3	..	28 8	25·2	23·3	28·7	70	..	3·8	..	29·6	0	28	3	1	0	0	0	0	0	21	9	0	0
	2330	,,	1005·2	1002·6	..	26 2	24·3	23·4	28·5	85	..	3.6	..	19·0	0	13	18	0	0	0	0	0	3	24	4	0	0
Dwarka . . .	0830	11	1005·4	1004·1	+1·9	27·2	25·3	24·4	30·7	85	−1	6·1	−0·7	18·5	0	16	15	2	0	0	0	0	8	21	0	0	0
	1730	,,	1003·6	1002·3	..	28·4	25·7	24·5	30·7	80	..	5·2	..	22·2	0	22	9	0	0	0	0	0	12	18	1	0	0
Rajkot . . .	0530	138	1003·9	988·3	..	24·4	23·1	22·4	27·3	85	..	4·1	..	14·5	0	13	12	0	0	0	0	0	18	6	1	6	0
	0830	,,	1005 4	989·8	+2·1	25·9	24·1	23·3	28·6	85	−6	4·8	−1·6	22·7	0	25	6	0	0	0	0	0	16	12	3	0	0
	1130	,,	1005·2	989·9	..	29·7	25·0	22·7	27·9	67	..	4·0	..	26·1	0	25	6	1	0	0	0	0	11	11	8	0	0
	1730	,,	1002·1	986·9	..	31·1	24·9	22·0	26·4	60	..	3.7	..	29·4	0	28	3	0	0	0	0	0	11	13	7	0	0
Bhavnagar (Aerodrome)	0830	11	1005·9	1004·7	+1·7	27·3	24·4	23·0	28·1	77	+4	4·9	−1·4	17 8	0	17	13	1	0	0	0	1	11	9	6	1	2
	1130	,,	1006·1	1004·9	..	30·7	25·0	22·3	26·9	62	..	5·6	..	21·0	0	17	13	0	2	3	0	0	8	12	3	1	2
	1730	,,	1002·6	1001·4	..	31·9	25·4	22·3	27·3	59	..	5·5	..	26·0	0	25	5	0	0	2	3	6	12	7	0	1	0
Porbander (Aerodrome)	0830	7	1005·7	1004·9	+2·5	27·3	25 0	24·0	29·7	83	−9	5·8	−1·0	13·3	0	10	21	0	0	0	1	0	9	16	5	0	0
	1130	,,	1006·4	1005·6	..	29·1	25·4	23·8	29·3	73	..	5·0	..	21·2	0	24	7	0	0	0	0	0	11	19	1	0	
	1730	,,	1003·9	1003·1	..	28·6	25·2	23·7	29·3	75	..	4·1	..	23·4	0	28	3	0	0	0	0	0	11	18	2	0	0

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Saurashtra and Kutch Including Diu. (*Contd.*)																											
Keshod . . .	0830	51	1005·6	999·9	..	26·4	24·5	23·7	29·1	85	..	4·3	..	14·6	0	8	23	3	0	0	0	0	8	13	7	0	0
	1130	,,	1006·2	1000·4	..	29·1	24·8	22·9	27.9	68	..	5·0	..	23·4	0	20	11	1	0	0	0	0	8	16	5	0	1
	1730	,,	1003.7	997.9	..	29.0	24.4	22.1	26.7	67	..	3.8	..	29.5	0	29	1	0	0	0	0	0	9	17	4	1	0
Mahuva . . .	0830	9	1004.8	1003.8	..	26.3	24.8	24.2	30.2	88	..	5.8	..	..	..	..	..	1	1	0	0	0	5	9	0	15	0
	1730	,,	1003.1	1002.1	..	29.1	26.4	25.3	32·2	80	..	5.1	..	..	..	..	..	2	1	0	0	2	17	6	0	3	0
Veraval . .	0230	8	1004.9	1004.0	..	26.7	25.2	24.6	30.9	88	..	5.4	..	23.1	0	9	22	3	0	0	0	0	7	13	8	0	0
	0530	,,	1004.6	1003.7	..	26.4	25.1	24.5	30.9	90	..	5.4	..	23.2	0	20	11	5	1	0	0	0	7	12	6	0	0
	0830	,,	1006.1	1005.2	+1.3	27.1	25.4	24.6	31.1	87	+1	5.8	−0.9	22.9	0	18	13	3	0	0	0	0	5	14	9	0	0
	1130	,,	1006.8	1005.9	..	29.0	26.1	24.9	31.5	79	..	4.9	..	22.6	0	21	10	0	0	0	0	0	5	19	7	0	0
	1430	,,	1005.3	1004.4	..	29.2	26·2	24.9	31.5	78	..	5.0	..	26.3	0	29	2	0	0	0	0	0	4	21	6	0	0
	1730	,,	1004.3	1003.4	..	28.2	25.9	24.9	31.7	82	..	5.2	..	25.2	0	29	2	1	0	0	0	0	3	21	6	0	0
	2030	,,	1005.3	1004.4	..	27.2	25.4	24.6	30.9	86	..	4.2	..	22.1	0	21	10	0	0	0	0	0	6	16	9	0	0
Konkan (Including Goa)	2330	,,	1006.2	1005.3	..	26.9	25.4	24.8	31.3	88	..	5.2	..	21.5	0	19	12	1	0	0	0	0	5	15	10	0	0
Dahanu . . .	0830	5	1006.6	1006.1	+.·9	27.1	26.0	25.6	32.6	92	+4	6.7	−0.4	17.5	0	10	21	4	1	2	4	0	7	11	2	0	0
	1730	,,	1004.7	1004.2	..	28.7	27.1	26.6	34.6	88	..	6.5	..	19.4	0	13	18	2	0	0	0	0	10	12	6	0	1
Bombay (Santa Cruz)	0230	14	1005.8	1004.1	..	25.9	24.6	24.1	30.0	90	..	6.2	..	9.7	0	5	17	2	0	0	0	1	4	10	5	9	0
	0530	,,	1005.7	1004.0	..	25.7	24.6	24.0	30.0	91	..	6.0	..	7.9	0	3	17	0	2	0	0	2	3	7	6	11	0
	0830	,,	1007.0	1005.4	+0.5	26.8	25.0	24.1	30.2	85	+3	6.5	−0.5	9.5	0	3	24	1	4	0	1	1	6	9	5	4	0
	1130	,,	1007.4	1005.8	..	28.4	25.5	24.3	30.4	79	..	6.8	..	16.6	0	12	18	3	1	1	0	2	6	11	6	1	0
	1430	,,	1005.7	1004.1	..	28.8	25.7	24.4	30.4	78	..	6.5	..	18.5	0	14	17	3	1	0	0	0	3	13	11	0	0
	1730	,,	1004.8	1003.3	..	27.9	25.2	24.0	29.7	80	..	6.6	..	17.0	0	10	21	2	0	0	0	0	4	13	12	0	0
	2030	,,	1006.4	1004.8	..	26.6	24.8	24.0	29.8	86	..	6.0	..	11·5	0	4	24	4	0	0	0	0	7	9	8	3	0
	2330	,,	1007.2	1005.5	..	26.4	24.9	24.2	30.4	88	..	6 1	..	10·3	0	2	24	1	0	0	0	0	10	7	8	5	0
Bombay . . .	0830	11	1007.1	1005.9	+0·6	27.1	25.2	24.3	30.4	85	+2	6.1	−0.9	10.5	0	1	30	2	2	1	3	3	7	10	3	0	0
	1130	,,	1007.5	1006.3	..	28.6	25.8	24.5	30.9	79	..	5.7	..	11.4	0	2	29	1	0	1	0	2	9	6	10	0	2
	1730	,,	1005.0	1003.8	..	27.9	25.4	24.3	30.4	81	..	6.4	..	13.9	0	6	25	0	0	0	1	0	6	15	9	0	0
Alibag . . .	0830	7	1007.2	1006.4	+0.6	26.6	25.1	24.4	30.7	88	+4	6.2	−1·1	16·7	0	13	15	1	2	2	1	2	8	6	6	3	0
Bhira . . .	0830	96	1006.9	996.0	..	24.7	24.1	23.7	29.5	94	..	6.6	..	0.9	0	0	11	2	0	0	1	1	2	3	2	20	0
	1730	,,	1004.8	994.0	..	25.9	24.4	23.7	29.3	88	..	7.5	..	1.0	0	0	11	1	0	0	3	2	5	0	0	20	0
Harnai . . .	0830	20	1007.3	1005.0	+0.8	26.2	24.7	24.0	30.0	88	+1	7.6	+1·1	15.2	0	9	21	6	2	2	3	4	3	7	3	1	0
	1730	,,	1005.3	1003.0	..	27.4	25.3	24.4	30.4	84	..	7.5	..	26.9	0	23	8	7	0	0	0	3	1	13	7	0	0
Ratnagiri . .	0830	35	1007.8	1003.8	+0.2	25.9	24.7	24.2	30.2	91	..	7.0	..	6.6	0	0	19	0	0	2	2	1	1	12	1	12	0
	1730	,,	1005.7	1001.7	..	27.6	25.4	24.5	30.5	83	..	7.3	..	14.4	0	5	26	0	0	0	1	2	6	13	9	0	0
Devgarh . . .	0830	36	1007 9	1003.9	+0·7	25.7	24.6	24.1	30.0	92	+2	6.4	−0.5	16.6	0	11	20	2	3	1	5	1	2	8	9	0	0
	1730	,,	1005.7	1001.7	..	27.0	25.4	24.6	31.1	87	..	6.5	..	25.5	0	22	9	1	0	0	0	3	3	10	14	0	0
Vengurla . .	0230	9	1007.5	1006.5	..	25.0	24.3	23.9	29.8	94	..	7.0	..	2.6	0	0	15	3	1	0	0	3	1	6	1	16	0
	0530	,,	1007.0	1006.0	..	24.8	24.1	23.8	29.5	94	..	7.1	..	4.6	0	0	26	7	3	0	0	3	3	8	2	5	0
	0830	,,	1008.5	1007.5	+0.6	25.8	24.6	24.0	30.0	90	0	6.1	−0.9	4.4	0	0	24	7	0	1	1	2	5	8	0	7	0
	1130	,,	1008.7	1007.7	..	27.8	25.6	24.6	30.9	83	..	5.9	..	6.7	0	0	29	0	0	1	0	7	8	11	2	2	0
	1730	,,	1006.3	1005.3	..	27·1	25.3	24.5	30.7	86	..	7.1	..	7.0	0	0	30	1	1	0	1	4	6	11	6	1	0
	2330	,,	1008.7	1007.7	..	25.2	24.5	24.1	30.2	94	..	7.2	..	4·6	0	0	20	4	1	0	1	5	0	6	3	11	0
Panjim . . .	0530	60	1007.0	1000.2	..	24.7	23.6	23.0	28.3	90	..	6.3	..	10.7	0	6	19	2	2	2	0	2	3	7	7	6	0
	0830	,,	1008.6	1001.8	..	25.5	24.0	23.3	28.6	88	..	6.6	..	10.5	0	4	24	2	4	2	4	1	1	10	4	3	0
	1130	,,	1008.8	1002.1	..	27.5	25.0	23.9	29.7	81	..	6.4	..	14.3	0	9	22	3	1	0	1	3	6	13	4	0	0
	1430	,,	1007.2	1000.4	..	27.6	24 9	23.7	29.3	80	..	6·9	..	17.2	0	13	15	2	0	1	1	1	3	15	5	3	0
	1730	,,	1006.2	999.4	..	26.9	24.6	23.6	29.1	83	..	6.6	..	17·6	0	15	15	3	0	0	0	2	5	13	7	1	0
	2030	,,	1007.8	1001.0	..	25.5	24.0	23.4	28.6	88	..	6.4	..	12.2	0	5	24	3	2	0	0	3	4	9	8	2	0
	2330	,,	1008.7	1001.9	..	25.2	23.9	23.3	28.6	89	..	6.1	..	9.7	0	3	23	3	4	0	1	3	0	8	7	5	0
Mormugao . .	0530	62	1006.5	999.6	..	25.5	24.1	23.4	28.9	88	..	6.6	..	11.5	0	14	16	2	3	0	3	0	7	12	3	1	0
	0830	,,	1007.9	1001.0	..	25.9	24.3	23.6	29.1	87	..	6.6	..	17.3	0	15	13	1	3	0	3	2	6	9	4	3	0
	1130	,,	1008.1	1001.2	..	27.1	25.0	24.0	30.0	83	..	6.1	..	17.6	0	14	17	2	0	1	2	3	6	9	7	0	1
	1730	,,	1005 6	998.7	..	26.8	24.8	23.9	29.7	84	..	6.6	..	21.7	0	21	10	1	0	0	1	2	6	10	10	0	1
Dabolim (Navel Air-Station) . .	0530	52	1007.1	1001.2	..	25.0	24.0	23.5	28.9	92	..	6.9	..	17.4	0	13	13	5	2	0	2	1	6	10	0	5	0
	0830	,,	1008.7	1002.8	..	25.6	24.3	23.7	29.3	89	..	6.8	..	17.9	0	13	14	3	3	0	4	0	6	8	3	4	0
	1130	,,	1008 9	1003.0	..	27.3	25.1	24.2	30.0	83	..	6.5	..	23.7	0	20	11	2	0	1	0	4	10	11	3	0	0
	1730	,,	1006.3	1000.5	..	27.1	24.9	23.9	29.7	83	..	6.7	..	26.4	0	22	9	0	0	0	0	4	7	13	7	0	0
	2330	,,	1008.8	1002.9	..	25.3	24.2	23.8	29.3	91	..	6.6	..	18·3	0	15	12	3	0	1	2	1	8	10	2	4	0

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure, in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Maharashtra																											
Nandurbar	0830	206	1005.9	982.7	..	25.2	23.8	23.2	28.3	88	..	4.0	..	5.2	0	0	31	0	0	0	0	0	0	31	0	0	0
	1730	,,	1003.2	980.3	..	29.5	24.7	22.4	27.3	67	..	2.6	..	3.2	0	0	31	0	0	0	0	0	0	31	0	0	0
Jalgaon	0830	201	1006.3	983.6	+2.1	25.2	23.8	23.2	28.3	89	+2	6.4	+0.3	10.0	0	2	26	0	1	2	0	1	6	15	3	3	0
	1730	,,	1002.4	980.1	..	30.2	24.8	22.1	26.9	65	..	6.9	..	18.5	0	14	15	1	0	1	0	1	6	15	5	2	0
Malegaon	0830	437	1005.8	957.2	+0.9	24.4	22.5	21.6	25.6	85	+9	5.8	0	7.4	0	0	30	4	4	0	1	1	10	7	3	1	0
	1730	,,	1002.7	954.8	..	28.1	23.4	21.3	25.0	68	..	6.3	..	12.8	0	6	25	3	0	1	2	1	2	10	12	0	0
Ozar	0830	608	..	..	..	23.3	21.8	21.0	25.0	87	..	5.3	..	15.2	0	10	21	1	2	2	0	0	4	15	7	0	0
	1130	,,	..	..	..	26.3	22.5	20.8	24.6	72	..	(a) 5.5	..	(a) 19.5	0	16	14	0	0	1	2	1	4	16	4	0	2
	1730	,,	..	..	..	26.1	22.5	20.8	24.6	74	..	5.2	..	(a) 25.1	0	23	7	1	1	1	0	0	2	15	9	0	1
Deolali (Aerodrome)	0830	571	1007.5	944.1	..	23.3	21.8	21.1	25.0	87	..	6.5	..	12.0	0	5	24	2	1	1	0	0	14	8	3	2	0
	1730	,,	1004.8	942.1	..	25.6	22.4	20.9	24.7	76	..	6.8	..	20.0	0	14	16	0	1	2	0	0	10	13	4	1	0
Ahmadnagar	0830	657	1006.4	934.0	+0.5	23.1	21.3	20.3	24.0	84	+6	6.5	+1.1	6.8	0	0	30	2	1	1	3	0	15	0	8	1	0
	1730	,,	1002.3	931.3	..	27.5	22.3	19.7	23.1	64	..	7.4	..	12.8	0	3	27	2	1	1	3	0	14	2	7	1	0
Poona (Aerodrome)	0230	593	1006.5	940.1	..	21.6	20.9	20.5	24.1	93	..	5.5	..	10.1	0	6	15	0	0	0	1	0	5	15	0	10	0
	0530	,,	1005.9	939.9	..	21.3	20.8	20.4	24.1	95	..	5.5	..	8.1	0	3	17	0	0	1	0	1	7	11	0	11	0
	0830	,,	1007.0	941.2	..	22.9	21.5	20.8	24.6	89	..	6.5	..	12.2	0	6	20	1	0	0	1	2	5	17	0	5	0
	1130	,,	1006.5	941.4	..	26.0	22.5	20.9	24.7	74	..	6.6	..	21.5	0	19	10	0	0	2	1	0	8	17	0	2	1
	1730	,,	1003.8	938.8	..	24.9	22.3	20.7	25.0	76	..	6.5	..	28.1	0	27	4	0	0	1	0	1	8	19	2	0	0
	2330	,,	1007.3	941.4	..	24.1	21.2	20.7	24.4	92	..	5.7	..	13.2	0	5	20	0	0	0	0	0	7	17	1	6	0
Poona	0530	559	1005.9	943.7	..	21.8	20.9	20.5	24.1	93	..	5.5	..	2.8	0	0	12	0	0	0	0	0	1	11	0	19	0
	0830	,,	1006.9	944.9	+0.6	23.7	21.9	21.1	25.0	85	+1	6.4	0	4.4	0	0	18	0	0	1	0	0	0	17	0	13	0
	1130	,,	1006.4	945.1	..	26.4	23.0	21.5	25.6	75	..	6.6	..	7.5	0	0	27	0	1	2	1	0	1	21	1	4	0
	1430	,,	1004.3	943.3	..	27.2	23.1	21.2	25.3	70	..	6.7	..	9.7	0	1	24	0	0	1	0	0	1	22	1	6	0
	1730	,,	1004.1	942.7	..	25.3	22.3	20.9	24.7	77	..	6.4	..	8.8	0	0	29	1	0	2	0	0	3	22	1	2	0
	2030	,,	1006.5	944.5	..	23.0	21.6	20.8	24.7	88	..	5.4	..	4.6	0	0	21	0	0	0	0	0	0	21	0	10	0
	2330	,,	1007.3	945.1	..	22.6	21.3	20.8	24.4	90	..	5.7	..	4.5	0	0	20	0	0	0	0	0	0	20	0	11	0
Jeur	0830	521	1006.5	948.8	+1.3	24.3	22.1	21.0	25.0	82	−1	5.5	0	10.9	0	2	27	0	0	0	1	5	5	10	8	2	0
	1730	,,	1001.6	945.2	..	30.3	23.0	19.5	22.7	54	..	5.9	..	19.5	0	15	15	1	0	1	2	2	3	12	9	1	0
Baramati	0830	551	1006.9	946.0	+1.5	23.9	21.9	21.0	24.9	84	+2	4.9	−1.5	9.9	0	3	28	0	0	0	2	2	9	13	5	0	0
	1730	,,	1002.4	942.7	..	28.8	23.4	20.9	24.9	64	..	5.4	..	21.5	0	20	11	1	0	0	2	3	5	14	6	0	0
Sholapur	0530	479	1006.1	952.7	..	22.5	21.1	20.5	24.1	89	..	4.9	..	5.5	0	0	25	1	0	0	3	0	14	1	6	6	0
	0830	,,	1007.4	954.3	+1.1	25.0	22.2	20.9	24.7	79	+4	5.3	−0.1	8.3	0	0	31	0	0	0	4	0	18	1	8	0	0
	1130	,,	1006.2	953.8	..	28.9	23.3	20.7	24.4	62	..	6.5	..	11.7	0	3	26	4	0	0	3	1	8	7	6	2	0
	1730	,,	1002.0	950.1	..	30.7	23.2	19.7	22.9	54	..	5.6	..	10.2	0	2	29	3	2	0	4	0	12	4	6	0	0
	2330	,,	1006.9	953.7	..	24.8	22.0	20.6	24.4	78	..	4.4	..	8.5	0	0	27	0	0	0	1	0	14	9	3	4	0
Miraj	0830	554	1008.0	946.7	+0.8	23.4	21.7	20.7	24.7	85	0	6.3	−0.8	..	..	..	..	0	0	2	0	0	3	8	2	16	0
	1730	,,	1004.3	944.0	..	27.6	22.4	19.9	23.2	64	..	6.5	..	..	..	..	..	0	0	1	0	0	1	23	4	2	0
Kolhapur	0530	570	1006.6	943.2	..	21.3	20.8	20.4	24.1	95	..	6.2	..	7.0	0	6	20	0	0	1	1	1	1	19	3	5	0
	0830	,,	1007.7	944.6	+1.1	23.0	21.6	20.9	24.7	89	−1	6.0	−0.6	6.6	0	0	29	0	0	3	0	0	2	23	1	2	0
	1130	,,	1007.2	944.7	..	25.8	22.8	21.4	25.5	77	..	6.4	..	10.1	0	2	28	0	0	2	1	1	3	20	3	1	0
	1730	,,	1004.5	942.0	..	25.3	22.4	21.0	25.0	78	..	6.2	..	14.0	0	2	29	0	0	0	1	0	5	20	5	0	0
	2330	,,	1007.8	944.7	..	22.1	21.2	20.7	24.6	92	..	5.7	..	7.3	0	6	22	1	0	1	0	0	4	20	2	3	0
Marathwada																											
Aurangabad	0830	581	1007.0	942.7	+1.0	23.5	21.7	20.9	24.7	85	+2	6.1	−0.9	9.5	0	4	21	0	1	2	0	0	3	19	0	6	0
	1730	,,	1002.3	939.0	..	27.8	23.1	20.7	24.7	68	..	5.9	..	7.4	0	1	26	1	2	1	0	0	2	17	4	4	0
Aurangabad (Chikalthan)	0230	579	1005.1	941.0	..	22.1	20.4	19.6	22.8	86	..	5.2	..	9.0	0	3	19	0	0	1	2	0	1	15	3	9	0
	0530	,,	1005.4	941.0	..	21.3	20.2	19.5	22.8	88	..	5.4	..	5.4	0	0	15	0	0	1	0	0	1	12	1	16	0
	0830	,,	1006.5	942.5	..	23.8	21.4	20.1	23.7	80	..	6.1	..	11.8	0	5	20	1	0	3	0	0	3	16	2	6	0
	1130	,,	1005.7	942.5	..	27.6	22.5	19.9	23.5	64	..	6.0	..	14.6	0	5	23	4	0	2	1	0	4	14	3	3	0
	1430	,,	1002.9	940.1	..	29.1	22.6	19.4	22.7	58	..	6.0	..	14.0	0	6	24	3	1	3	0	1	3	13	6	1	0
	1730	,,	1001.9	939.1	..	28.6	22.2	19.9	22.1	58	..	6.4	..	13.7	0	6	22	3	0	3	1	0	1	15	5	3	0
	2030	,,	1004.9	941.2	..	25.1	21.6	19.9	23.1	74	..	5.0	..	10.2	0	3	22	2	0	0	0	0	1	17	5	6	0
	2330	,,	1006.1	942.1	..	23.5	21.1	19.9	23.2	80	..	5.1	..	11.1	0	2	23	1	0	2	1	0	1	18	2	6	0
Parbhani	0830	423	1006.9	959.8	+2.5	24.4	22.1	20.8	24.7	79	−2	5.1	−1.0	5.7	0	0	27	1	2	0	0	0	6	11	7	4	0
	1730	,,	1001.8	955.9	..	30.3	23.9	20.5	24.4	53	..	5.4	.	9.1	0	0	28	1	2	2	3	2	1	9	8	3	0

[a] Mean of 30 days.

Sub-Division and station	Hour of observation I. S. T	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Marathwada—(Contd.)																											
Nander	0830	358	1006.5	966·5	..	26.3	23.4	22.0	26.4	77	..	4.4	..	4.3	0	0	22	0	0	0	4	1	3	12	2	9	0
	1730	,,	1002.8	963.6	..	30.9	24.4	21.0	25.3	58	..	5.4	..	5.7	0	0	27	1	5	0	2	2	6	3	8	4	0
Bir	0830	519	1007.4	949.9	..	24.3	22.4	21.5	25.6	84	..	3.7	..	10.6	0	2	28	0	1	0	2	1	13	0	13	1	0
	1730	,,	1002.8	946.4	..	28.9	23.7	21.3	25.5	66	..	4.7	..	9.4	0	2	26	0	5	0	4	0	6	3	10	3	0
Vidarbha Gondia	0830	313	1005.2	970.4	+2.7	26.4	24.0	22.9	27.9	82	—4	5.4	—1.3	4.1	0	0	27	1	0	0	3	2	11	5	5	4	0
	1730	,,	1001.8	967.3	..	28.3	24.5	22.6	27.5	73	..	6.0	..	4.1	0	0	30	3	1	2	0	8	4	8	4	1	0
Nagpur (Sonegaon)	0230	310	1003.6	968.9	..	24.2	22.9	22.3	26.9	90	..	5.6	..	3.1	0	0	21	2	0	0	0	0	9	6	4	10	0
	0530	,,	1004.0	969.2	..	23.6	22.6	22.0	26.6	91	..	6.2	..	2.6	0	0	19	1	0	0	0	2	6	5	5	12	0
	0830	,,	1005.4	970·8	+2·0	26.4	23.9	22.8	27.6	81	—1	5.8	—0.5	7.3	0	1	23	1	1	1	0	2	4	8	7	7	0
	1130	,,	1004.7	970.6	..	29.7	24.8	22.5	27.3	66	..	6.5	..	10.4	0	5	24	1	1	0	0	0	7	10	9	2	1
	1430	,,	1002.1	968.1	..	30.4	25.0	22.4	27.3	64	..	6.5	..	9.5	0	3	22	2	1	0	0	1	3	10	8	6	0
	1730	,,	1001.8	967.5	..	27.9	24.1	22.2	26.9	73	..	7.0	..	8.9	0	4	23	1	2	1	2	1	4	10	6	4	0
	2030	,,	1004.1	969.5	..	25.8	23.7	22.7	27.6	84	..	5.9	..	4.3	0	0	24	2	0	3	2	1	5	7	4	7	0
	2330	,,	1004.6	969.8	..	24.8	23.2	22.3	27.1	87	..	6.0	..	4.2	0	0	21	0	0	2	0	0	5	6	8	10	0
Amraoti	0830	370	1006.0	964.8	+1·9	25.6	23.1	21.8	26.1	80	—3	5.5	—0.7	5.0	0	0	29	1	0	1	1	0	5	14	7	2	0
	1730	,,	1001.7	961.3	..	29.2	23.4	20.3	24.0	61	..	5.5	..	6.7	0	0	31	1	2	3	3	2	2	11	7	0	0
Akola Aerodrome	0530	309	1003.9	969.2	..	23.9	22.5	21.8	26.1	88	..	6.2	..	10.8	0	2	27	0	0	1	0	3	9	10	6	2	0
	0830	,,	1005.3	970.7	..	25.5	23.5	22.6	27.3	84	..	5.7	..	10.0	0	0	30	0	0	1	0	2	8	16	3	1	0
	1130	,,	1004.7	970.6	..	28.9	24.5	22.4	27.1	69	..	6.2	..	11.7	0	0	31	.	0	0	2	3	7	10	8	0	0
	1730	,,	1000.9	967.0	..	30.3	24.4	21.4	25.6	62	..	6.6	..	11.5	0	0	31	0	1	2	1	4	3	12	8	0	0
	2330	,,	1004.4	969.8	..	25.5	23.3	22.2	26.7	83	..	5.3	..	10.6	0	1	30	1	1	1	1	2	10	10	5	0	0
Akola	0830	282	1005.8	974.3	+1.5	25.8	23.7	22.7	27.6	83	+3	5.0	—1.2	1.2	0	0	15	0	0	0	0	0	0	15	0	16	0
	1730	,,	1001.3	970.4	..	30.8	24.8	21.9	26.4	62	..	7.0	..	1.4	0	0	17	0	0	1	0	0	0	15	1	14	0
Bramhapuri	0830	229	1005.8	980.1	..	26.4	24.5	23.6	29.1	84	..	5.2	..	8.1	0	0	30	1	1	2	3	9	6	6	2	1	0
	1730	,,	1001.9	976.6	..	29.4	25.2	23.2	28.6	71	..	6.5	..	7.4	0	0	30	5	1	1	1	9	6	5	2	1	0
Buldana	0830	650	1006.1	934.4	+2.2	23.1	21.5	20.7	24.4	87	+1	6.1	—0·5	10.8	0	6	21	5	0	0	0	4	7	4	7	4	0
	1730	.	1001.7	931.4	..	27.3	22.6	20.4	23.8	68	..	6.4	..	6.3	0	0	30	6	1	0	0	0	8	0	15	1	0
Yeotmal	0830	451	1005.5	955.2	+1·8	25.2	22.8	21.6	25.8	79	—8	5.7	—1·1	10.7	0	2	28	3	0	0	1	5	3	15	3	1	0
	1730	,,	1001.4	952.2	..	29·0	23.8	21.1	25.2	61	..	6.0	..	10.0	0	2	29	5	0	0	0	3	5	13	5	0	0
Chanda	0830	193	1005.6	984.0	+1.6	27.1	24.3	23.0	28.1	79	—1	5.4	—0.6	8.6	0	0	28	1	0	1	1	4	6	10	5	3	0
	1730	,,	1001.7	980.4	..	30.1	25.0	22.6	27.6	66	..	6·5	..	9.5	0	2	28	2	2	3	3	3	5	8	4	1	0
Pusad	0830	334	1006.4	969.2	..	26.0	23.4	22.0	26.6	79	..	4.8	..	9.0	0	2	22	2	0	0	1	7	9	1	4	7	0
	1730	,,	1001.9	965.3	..	30.5	24.6	21.8	25.9	61	..	5.5	..	11.5	0	4	26	2	3	0	3	4	10	0	8	1	0
Sironcha	0830	123	1006.6	993.0	+2.8	27.1	25.0	24.1	30.0	84	—3	5.8	—1.0	2.9	0	0	29	1	1	0	14	2	3	0	8	2	0
	1730	,,	1002.5	988.8	..	30.5	25.8	23.6	29.3	68	..	6.5	..	6.5	0	0	30	0	2	1	16	0	3	2	6	1	0
Coastal Andhra Pradesh																											
Kalingapatam	0830	6	1005.4	1004.7	+2.4	27·8	26·0	25.3	32.1	86	+5	5.5	+0·3	9.3	0	0	29	1	1	0	0	7	11	2	5	2	2
	1730	,,	1002.6	1002.0	..	29.2	26.4	25.3	32.1	80	..	4.9	..	10.3	0	3	28	1	1	0	0	10	10	1	1	0	7
Vishakhapatnam	0230	3	1004.2	1003.8	..	27.0	25.3	24.5	30.7	86	..	4.5	..	2.3	0	0	9	0	0	1	1	0	2	4	1	22	0
	0530	,,	1004.4	1004.0	..	26.5	25.1	24·4	30·7	88	..	5·3	..	1·3	0	0	5	0	0	0	0	0	0	3	2	26	0
	0830	,,	1005·9	1005·5	+2·3	29·1	25·7	24·1	30·2	75	—9	5·4	—1.1	8·4	0	3	15	2	1	0	0	0	7	7	1	13	0
	1130	,,	1005·2	1004·8	..	31·8	26·2	23·7	29·5	63	..	5·7	..	11·2	0	3	24	1	2	2	2	1	6	9	4	4	0
	1430	,,	1003·0	1002·6	..	31·3	25·9	23·5	28·9	65	..	5·5	..	14·4	0	9	22	0	1	1	5	4	13	3	4	0	0
	1730	,,	1002·8	1002·4	..	30·1	25·8	23·9	29·7	70	..	5·7	..	11·3	0	2	27	0	1	2	3	4	13	4	2	2	0
	2030	,,	1004·9	1004·5	..	28·4	25·6	24·4	30·5	79	..	4.3	..	5·5	0	2	13	1	1	1	2	0	5	4	1	16	0
	2330	,,	1005·3	1004·9	..	27·7	25·5	24·5	30·7	83	..	4·5	..	2·5	0	0	9	0	0	0	1	0	3	5	0	22	0
Kakinada	0830	8	1006·1	1005.3	+1.7	27·9	25·6	24·6	30·9	82	+2	5·2	—0.7	9·5	0	0	28	0	1	0	4	0	22	0	1	3	0
	1730	,,	1002·8	1001·9	..	30·9	26·7	25·0	31·6	72	..	5·3	..	12·8	0	1	30	0	1	0	13	0	16	1	0	0	0
Nidadavole	0830	12	1006·3	1004·9	..	27·4	25·8	25·1	31·9	87	..	5·7	..	9·0	0	1	29	3	1	1	1	2	8	7	6	1	1
	1730	,,	1002·7	1001·3	..	30.3	26·5	24·8	31·5	74	..	5·7	..	8·8	0	4	26	0	0	0	7	3	10	1	9	1	0
Rentachintala	0830	106	1006.8	994·9	..	27.2	24·1	22·8	27·6	77	+10	5·6	—1.1	2·0	0	0	28	1	0	0	0	7	0	20	0	3	0
	1730	,,	1003.0	991.3	..	31.7	24.8	21.4	25.6	57	.	5.9	..	2.1	0	0	27	1	0	4	0	4	0	18	0	4	0
Gannavaram	0230	24	1004.6	1001.8	..	26.4	25.4	24.9	31.7	91	..	4.7	..	5.2	0	0	19	1	0	4	1	3	4	4	2	12	0
	0530	,,	1004.9	1002.1	..	26.1	24.9	24.3	30.5	90	..	5.9	..	5.3	0	0	19	2	0	2	0	0	7	6	2	12	0
	0830	,,	1006.7	1004.0	+2.1	27.8	25.3	24.1	30.0	81	+2	6.0	—0.4	10.0	0	6	20	1	0	1	1	2	6	10	5	5	0
	1130	,,	1005.9	1003.2	..	30.3	25.7	23.6	29.3	68	..	5.5	..	13.7	0	9	21	1	0	0	2	6	5	8	8	1	0
	1430	,,	1003.5	1000.8	..	30·7	25.9	23.6	29.5	65	..	5.8	..	14.6	0	8	22	1	0	1	5	4	2	10	7	1	0
	1730	,,	1002.9	1000.2	..	30·8	25.9	23.6	29.3	67	..	5.7	..	11.6	0	5	24	5	0	2	3	8	2	2	7	2	0

Sub Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g. p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed (Km. p.h.): 79 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Coastal Andhra Pradesh—(*Contd.*) Gannavaram—(*Contd.*)	2030	24	1005.1	1002·4	..	28·3	25·9	25·1	31·5	83	..	5·0	..	5·3	0	1	17	2	0	1	4	5	1	2	3	13	0
	2330	,,	1005·6	1002·9	..	27·1	25·5	24·8	31·3	88	..	4·8	..	3·9	0	0	19	1	0	3	5	2	3	2	3	12	0
Nagarjnakonda †	0830	12																									
†	1730	,,																									
Masulipatam	0830	3	1006·6	1006·3	+1·3	27·8	25·3	24.2	30·0	81	+2	7·2	+1·4	3·6	0	0	29	1	0	2	1	4	8	9	4	2	0
	1730	,,	1003·2	1002·9	..	30·9	26·1	24·0	29·8	68	..	7·1	..	4·0	0	0	31	2	0	3	3	1	9	2	7	0	4
Ongale	0830	12	1006·7	1005·4	..	29·7	26·7	25·4	32·6	80	..	5·6	..	4·2	0	0	31	0	0	1	3	1	6	17	3	0	0
	1730	,,	1003·1	1001·7	..	32·1	27·7	25·7	32·2	72	..	5·0	..	8·2	0	0	25	0	0	0	7	1	5	4	8	6	0
Nellore	0530	20	1005.8	1003·6	..	26·3	24·8	24·1	30.0	88	..	6·8	..	2·9	0	0	22	0	0	1	3	0	7	11	0	9	0
	0830	,,	1007.1	1004.9	+0.9	28.2	25.3	24.0	30.0	79	+14	6.7	+0.7	6.3	0	0	27	0	1	0	3	1	5	16	1	4	0
	1130	,,	1006.7	1004.5	..	31.5	26.3	24.1	30.0	66	..	6.0	..	7.9	0	1	28	0	1	2	3	1	5	13	4	2	0
	1730	,,	1003.3	1001.1	..	32.2	26.9	24.7	31.1	66	..	6.6	..	10.8	0	0	31	0	1	1	10	0	12	6	1	0	0
	2330	,,	1006.4	1004.3	..	27.8	26.0	25.2	31·8	85	..	6.3	..	4.4	0	0	28	0	1	2	6	0	10	8	1	3	0
Telangana Ramagundam	0830	156	1006·1	988.5	+2.2	27.0	24.5	23.1	28.6	81	0	5·5	—1.2	3·6	0	0	22	0	0	0	1	6	5	10	0	9	0
	1730	,,	1002.1	984.9	..	31.1	25.2	22.5	27.3	62	..	6·2	..	3.1	0	0	25	1	1	1	2	4	6	8	2	6	0
Nizamabad (R)	0830	381																									
(R)	1730	,,																									
Hanamkonda	0830	269	1006.3	976.3	+1.2	26.4	23.9	22.7	27.6	80	+5	4.3	—1.5	2 1	0	0	30	4	0	1	0	11	0	13	1	1	0
	1730	,,	1003.3	974.0	..	30.5	24.9	22.2	26.9	63	..	4.6	..	2 0	0	0	31	9	0	1	7	4	1	8	1	0	0
Hakimpet (Aerodrome)	0530	613	1005.5	937.8	..	22.4	21.8	21.6	25.6	95	..	6.0	..	17.1	0	10	21	0	0	0	4	0	5	18	4	0	0
	0830	,,	1006.5	939.0	..	23.9	22.4	21.7	25.9	88	..	6.5	..	21.6	0	16	14	1	0	0	3	1	3	14	8	1	0
	1130	,,	1005.6	938.9	..	27.1	23.8	22.3	26.9	75	..	6.3	..	24.3	0	19	12	3	0	0	2	2	4	11	9	0	0
	1730	,,	1002.8	936.4	..	27.4	23.7	22.1	26.6	74	..	6.6	..	13 4	0	4	24	7	1	0	2	2	3	6	7	3	0
	2330	,,	1005.8	938.3	..	24.0	22.7	22.1	26·6	90	..	5.8	..	12.0	0	6	19	0	1	1	6	1	9	5	2	6	0
Bhadrachalam	0830	111	1006.0	993.6	+1.8	27.3	25.0	24.1	29.7	83	—1	6.0	—0.9	2.1	0	0	31	0	8	0	3	0	12	0	8	0	0
	1730	,,	1002.1	989.9	..	30.8	26.2	24.2	30.2	69	..	6.3	..	3.3	0	0	31	0	8	0	4	0	8	0	11	0	0
Hyderabad (Begumpet)	0230	545	1004.9	964.8	..	23.8	21·9	21.0	25.0	85	..	5·7	..	10 3	0	3	24	2	0	2	5	0	1	14	3	4	0
	0530	,,	1005.5	945.2	..	22.9	21.3	20.4	24 1	86	..	5.8	..	10 9	0	2	29	1	1	0	4	0	8	15	7	0	0
	0830	,,	1007.0	946.8	+1.6	24.2	21.8	20.6	24.4	81	+1	6.3	+0.2	14.1	0	9	22	0	0	0	3	1	6	12	9	0	0
	1130	,,	1005.9	946.5	..	27.6	22.8	20.5	24.3	66	..	6.7	..	16.1	0	13	18	2	0	1	2	1	2	10	13	0	0
	1730	,,	1002.3	943.3	..	28.6	23.0	20.5	24 0	63	..	6.9	..	11.0	0	1	30	5	3	3	2	0	6	3	9	0	0
	2330	,,	1005.9	945.9	..	24.8	22.5	21.5	25.6	83	..	6.2	..	7·0	0	2	21	1	1	1	4	1	4	7	4	8	0
Khammam	0830	112	1006.7	994.1	..	27.0	24.9	24 1	29.7	84	..	6.7	..	8 4	0	0	25	3	0	1	2	6	7	5	1	6	0
	1730	,,	1002.7	990.3	..	31.2	25.7	23.2	28.6	63	..	6.5	..	2.5	0	0	28	6	1	3	1	5	2	7	3	3	0
Mahbubnagar	0830	505	1007.1	951.2	..	24.9	22.2	20.7	24.7	78	..	6.5	..	8.5	0	0	31	0	0	2	2	1	7	10	9	0	0
	1730	,,	1002.3	947.5	..	29.2	23.4	20 5	24 3	59	..	7.4	..	6 5	0	0	31	3	0	1	1	2	6	9	9	0	0
Rayalaseema Kurnool	0830	281	1007.9	976.4	+1.0	25.7	22.5	20.9	24.6	75	+1	5.8	—0.1	12.3	0	5	26	0	0	0	1	0	22	2	6	0	0
	1730	,,	1002 5	971.6	..	31.7	23 6	19 5	22.4	50	..	5.3	..	9.8	0	6	25	1	0	0	0	1	9	10	10	0	0
Nandyal †	0830	212																									
†	1730																										
Anantapur	0530	350	1006.6	967.4	..	23.8	22.0	21.2	25 0	85	..	5.6	..	7.3	0	1	17	0	0	1	0	0	1	16	0	13	0
	0830	,,	1008.0	968.9	+1·4	25.4	22.8	21.5	25.6	79	+5	6 4	+0.2	12 8	0	3	26	0	0	4	0	0	5	20	0	2	0
	1130	,,	1006.7	968.2	..	29.5	23.3	20 2	23.5	58	..	5.8	..	12.8	0	4	24	0	0	3	0	1	3	20	1	2	0
	1430	,,	1003.7	965.5	..	31.8	23.9	20.0	23 2	50	..	6.1	..	10.8	0	4	21	0	0	1	1	0	1	21	1	6	0
	1730	,,	1002.5	964.4	..	31.6	23.9	19.9	23 4	51	..	6.1	..	11.8	0	6	18	0	0	1	1	1	2	17	2	7	0
	2030	,,	1005 3	966.7	..	28.2	23.2	20.5	24.4	65	..	5.0	..	12.6	0	6	14	1	0	0	0	1	0	17	1	11	0
	2330	,,	1007.1	968.1	..	26 2	22.9	21..	25.3	75	..	4.8	..	15.0	0	9	16	1	0	0	1	1	0	20	2	6	0
Cuddapah	0830	130	1008.3	993.5	+0.8	26.8	23.8	22.3	27.1	77	+9	5.0	—0.9	1.5	0	0	11	0	0	0	0	0	0	11	0	20	0
	1730	,,	1003.1	988 7	..	32.3	25.2	21.8	26.3	55	..	4.5	..	1.5	0	0	11	0	1	2	0	0	0	8	0	20	0
Arogyavaram	0830	701	1007.9	931.1	..	23.7	20.5	18.8	21.7	74	..	5.5	..	6·3	0	1	25	0	0	0	0	0	0	0	26	5	0
	1730	,,	1002.7	927.4	..	28.3	21.3	17.4	20.1	54	..	5.8	..	10.4	0	1	29	0	0	0	4	1	0	15	10	1	0
Madras State (Including Pondicherry) Madras	0830	6	1007.6	1006.9	..	28.1	24.8	23.3	28.6	76	..	6.3	..	5.1	0	0	21	0	0	1	3	1	1	14	1	10	0
	1730	,,	1004.1	1003 3	..	29.9	25.7	23.8	29.5	70	..	5.0	..	5.1	0	0	24	0	0	7	7	7	2	1	0	7	0
Madras (Minambakam)	0230	16	1005.9	1004.1	..	26.1	24.7	24.0	30.0	88	..	5.0	..	8.1	0	1	26	0	0	0	4	11	11	1	0	4	0
	0530	,,	1006.1	1004.3	..	25.6	24.0	23.3	28.6	87	..	5.8	..	9.8	0	2	25	0	1	0	0	10	7	9	0	4	0
	0830	,,	1007.5	1005.7	+0.5	27.6	24.8	23.6	28.9	79	+11	6.0	+0.6	10.0	0	2	29	1	0	1	2	4	8	14	1	0	0
	1130	,,	1007.0	1005 3	..	30.7	25.5	23.1	28.3	65	..	6 1	..	12.2	0	5	23	1	0	2	1	2	1	17	4	3	0
	1430	,,	1004.6	1002.9	..	32.2	26.3	23.7	29.3	61	..	5 8	..	12.3	0	2	28	0	0	9	2	0	5	13	1	1	0
	1730	,,	1004.1	1002.4	..	30 5	26.2	24.3	30.4	70	..	5 5	..	12.3	0	3	25	0	0	9	8	6	2	2	1	3	0

(R) Register not received.

†Data not available.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madras State (Including) Pondicherry – (contd).																											
Madras (Minnmbakam)—(Contd.)	2030	16	1006.3	1004.5	..	27.9	25.5	24.4	30.5	81	..	4.7	..	11.0	0	2	28	0	0	4	13	10	3	0	0	1	0
	2330	,,	1007.1	1005.4	..	27.0	25.2	24.5	30.5	86	..	5.3	..	9.2	0	1	28	0	0	0	8	13	6	1	1	2	0
Vellore	0530	214	1006·8	982·6	..	24·3	22·6	21·7	25·9	86	.	5·5	..	1·0	0	0	8	0	0	0	0	0	2	6	0	23	0
	0830	,,	1007·8	983·8	+0·8	26·3	23·3	21·8	26·1	77	+7	5 9	+1·4	4·8	0	0	25	1	0	1	0	0	2	15	6	6	0
	1130	,,	1007·4	983·6	..	29·8	24·3	21·5	25·9	62	..	6 0	..	6·3	0	0	30	0	0	2	0	2	4	16	6	1	0
	1730	,,	1003·5	979.9	..	31·3	24·7	21·5	25·6	63	..	6·3	..	6.8	0	0	29	0	2	1	1	4	8	8	5	2	0
	2330	,,	1007·7	983·6	..	25·9	23·7	22.7	27·6	83	..	5·8	..	3·6	0	0	18	0	0	2	2	4	6	1	3	13	0
Tambaram (Aerodrome)	0830	29	1007·3	1004.0	..	27·3	25·5	24·7	31·1	86	..	6·5	..	14·4	0	3	25	0	1	0	1	5	9	10	2	3	0
	1730	,,	1004·2	1001.0	..	30·5	26·6	25.0	31·5	73	..	6·1	..	16·2	0	8	21	0	0	8	11	5	1	3	1	2	0
Tiruppattur	0830	390	1008.3	954·8	..	24·9	23·0	21·9	26·7	85	..	8·0	..	2.3	0	0	19	9	0	0	0	5	1	3	1	12	0
	1730	,,	1003.3	960·9	..	30·8	23·3	19·2	22·4	52	..	7·9	..	5·9	0	0	30	17	1	0	1	5	0	6	0	1	0
Mettur Dam R.S.	0830	..	..	..	..	26·7	24·9	24·1	30·0	86	..	4·4	..	2·7	0	0	31	0	13	0	10	0	7	0	1	0	0
	1730	,,	..	..	..	31·2	27·4	25·9	33 4	74	..	5·2	..	3·7	0	0	31	0	3	0	13	0	14	0	1	0	0
Cuddalore	0530	12	1006.1	1004.8	..	25·1	24·0	23·4	28·9	91	..	5·6	..	0·1	0	0	1	0	0	0	0	1	0	0	0	30	0
	0830	,,	1007·9	1006·6	+0·3	27·2	24·9	23 9	29·7	83	+10	6·2	+1·2	3·5	0	0	19	0	1	0	3	1	11	1	2	12	0
	1130	,,	1007·4	1006·1	..	31·0	26·2	24·1	30·0	68	..	5·6	..	6 5	0	0	30	0	0	0	7	0	16	7	0	1	0
	1730	,,	1004·4	1003·1	.	29·9	26·9	25·6	33·0	78	..	5·2	..	8·2	0	0	31	0	2	0	27	1	1	0	0	0	0
	2330	,,	1007·5	1006·2	..	27·3	25·6	24·9	31·5	87	..	5·3	..	3·9	0	0	20	0	0	0	7	11	2	0	0	11	0
Kallakkurichchi	0830	127	1007.6	993.3	..	26·8	24·0	22 6	27·6	79	..	5·0	..	3·9	0	0	23	1	1	0	2	1	18	0	0	8	0
	1730	,,	1003·5	989·5	..	31·6	24·9	21·6	26·3	56	..	5·1	..	6·8	0	0	26	0	3	0	8	0	14	0	1	5	0
Salem	0530	278	1006·8	975·5	..	23·5	22·0	21·2	25·3	87	..	6·6	..	2·1	0	0	13	0	0	0	0	3	5	5	0	18	0
	0830	,,	1008 4	977·2	0	25·1	22·7	21·4	25·6	80	+2	6·7	+1·5	0·8	0	0	6	1	0	0	0	0	1	4	0	25	0
	1130	,,	1007·5	976·7	..	28·9	23·4	20·7	24·4	62	..	6·3	..	6·6	0	0	30	0	0	0	0	3	4	15	4	1	4
	1730	,,	1003 4	972.9	..	30·8	23·9	20·4	23·8	55	..	6.8	..	3·0	0	1	14	0	0	0	0	0	7	7	1	16	0
	2330	,,	1008 2	977·0	..	24·7	22·5	21·4	25·6	82	..	7·3	..	3·4	0	0	20	0	0	0	0	5	7	5	0	11	3
Coimbatore (Pilamedu)	0530	399	1007·5	962·7	..	22·1	21·5	21·3	25·2	95	..	5·0	..	15·2	0	10	16	0	0	0	0	15	11	0	0	5	0
	0830	,,	1008·9	964·3	..	24·1	22·4	21·5	25·6	85	..	5·8	..	17·8	0	8	21	0	0	0	0	17	12	0	0	2	0
	1130	,,	1007·8	964·0	..	28·4	23·4	20·9	24·7	64	..	5·5	..	20·8	0	18	10	0	0	0	0	19	9	0	0	3	0
	1730	,,	1004·8	960·9	..	27·7	23·2	20·8	24·7	67	..	6·1	..	31·5	0	30	1	0	1	0	0	14	16	0	0	0	0
	2330	,,	1008·8	964·2	..	23·1	22·1	21·6	25·8	91	..	5·4	..	19·4	0	15	16	0	0	0	0	16	15	0	0	0	0
Coimbatore	0830	409	1008·7	963·1	0	24·1	22·0	20·9	24·7	82	+1	6·6	+2·3	14·2	0	3	28	1	0	1	0	14	14	1	0	0	0
Nagapattinam	0830	9	1008·4	1007.3	+0·2	27·2	24·0	22·4	27.3	76	+6	6·5	+1·9	7·9	0	0	28	0	1	0	1	0	4	21	1	3	0
	1730	,,	1004.7	1003·6	..	30·5	25·8	23·6	29·3	67	..	6·2	..	13 9	0	6	24	0	0	3	12	5	8	2	0	1	0
Tiruchchirappalli	0230	88	1006·4	996.4	..	25·9	22.8	21·2	25·3	76	..	5·8	..	16·0	0	8	21	1	0	1	1	0	5	16	5	2	0
	0530	,,	1006·2	996.2	..	25.4	22.5	21.1	21.9	78	..	5·9	..	13·7	0	6	20	0	0	0	0	0	0	2[illegible]	4	5	0
	0830	,,	1007·8	997·9	–0 5	26.9	23.2	21.3	25.3	70	+6	6·1	+1·5	23·3	0	22	7	0	0	0	0	0	0	27	2	2	0
	1130	,,	1007·3	997·5	..	31.2	24.0	20.3	24.0	53	..	5·9	.	23·5	0	22	9	0	0	0	0	0	2	22	7	0	0
	1430	,,	1004 4	994·7	..	33.3	24.3	19.6	22.9	45	..	6·1	..	19·1	0	15	11	3	1	0	0	0	2	16	4	5	0
	1730	,,	1003·7	994·0	..	32.6	24.1	19.6	22·7	48	..	6·5	..	14 8	0	8	20	1	0	2	2	6	4	8	5	3	0
	2030	,,	1006.6	996.6	..	28.0	23.6	21.4	25·5	69	..	6·4	..	14·7	0	5	24	0	0	0	5	9	6	9	0	2	0
	2330	,,	1007·9	997.8	..	26.6	23.1	21.4	25.3	74	..	6.5	..	13·1	0	6	23	0	0	0	0	2	8	17	2	2	0
Vedaranniyam	0830	4	1007·7	1007·2	..	27.7	24.6	23.1	28.3	77	..	3.3	..	2·6	0	0	31	0	0	0	2	1	20	0	8	0	0
	1730	,,	1004·5	1004·1	..	29.7	25·6	23.7	29.3	71	..	2.9	..	2·9	0	0	31	0	0	0	10	0	19	0	2	0	0
Atirampttinam	0830	6	1007·9	1007·2	..	27.6	24.0	22.1	26.9	73	..	4·8	..	6·3	0	0	28	2	1	0	0	1	0	8	16	3	0
	1730	,,	1004 8	1004·1	..	29·9	25·5	23·5	28.9	69	..	5·1	..	21·4	0	18	13	0	0	1	2	26	2	0	0	0	0
Madurai	0830	133	1007 6	992·7	—0·6	27.1	22.9	20.7	24·4	69	+7	3·1	–2·1	6·6	0	0	30	4	1	0	0	1	1	1	21	1	1
Madurai Aerodrome.	0530	131	1006·6	991·7	..	25.1	22.5	21.1	25.2	79	..	5·1	..	9·1	0	1	28	16	0	0	0	1	0	0	12	2	0
	0830	,,	1008 0	993·3	..	27·6	23.2	20.9	24.9	67	..	6·1	..	9·7	0	2	27	12	1	1	0	0	0	6	9	2	0
	1130	,,	1007·5	993·0	..	31·2	23·9	20.1	23·7	53	..	6·0	..	12.1	0	7	24	7	0	1	0	2	4	7	8	0	2
	1730	,,	1004·6	990 0	..	30·5	23·8	20·4	24.1	57	..	7·2	..	18·9	0	19	11	2	1	4	0	5	3	12	3	1	0
Tondi	0830	5	1008·4	1007.8	..	28·0	24.7	23.1	28.3	75	..	4.7	..	2.6	0	0	16	3	4	2	0	1	3	3	0	15	0
	1730	,,	1005·2	1004.6	..	29.4	26.1	24·7	31.1	76	..	5.6	..	17.7	0	15	15	0	0	2	14	12	2	0	0	1	0
Pamban	0830	11	1008 1	1006.9	–0 2	28.4	25.9	24.6	31.5	81	+5	5.3	+2.4	5·9	0	0	30	1	2	2	2	5	9	8	1	1	0
	1730	,,	1005.2	1003.9	..	28.9	26.1	24·9	31.5	79	..	5.5	..	10·1	0	1	30	0	2	0	7	10	11	1	0	0	0
Tuticorin	0830	4	1008.5	1008.1	+0·4	29.5	23.9	20.9	25.0	61	+4	4.6	+1·0	10.0	0	5	26	5	1	0	0	0	0	22	3	0	0
	1730	,,	1005 3	1004.9	..	31.1	24.2	20.6	24.4	55	..	6·4	..	19·6	0	16	15	0	0	0	8	4	1	18	0	0	0
Palayankottai	0830	51	1008.4	1002·7	+0·3	30.0	23.4	19.9	23.4	55	–1	5·5	+1·0	14·9	0	10	21	6	0	0	0	0	1	23	1	0	0
	1730	,	1005·3	999·6	..	31.0	23.7	19.8	23.2	52	..	6·9	..	15·8	0	12	18	2	0	1	1	1	1	17	7	1	0

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madras State (Including Pondicherry)—(Contd.)																											
Kanniyakumari	0830	37	1008·9	1004·8	..	26·9	23·6	22·3	26·3	75	..	5·7	..	24·4	0	25	6	0	0	0	0	0	0	25	6	0	0
	1730	,,	1006·4	1002·3	..	27·5	24·3	22·7	27·7	72	..	6·2	..	27·1	0	26	5	0	0	0	0	0	0	28	3	0	0
Coastal Mysore																											
Karwar	0830	4	1009·0	1008.5	+0.8	25·9	24·5	23·9	29·6	89	0	6·6	—0·6	5·5	0	4	17	1	1	2	4	0	1	5	6	10	1
	1730	,,	1006·6	1006·1	..	27·0	24·9	23·9	29·6	83	..	6·3	..	8·5	0	8	19	0	0	1	3	0	0	4	13	4	6
Honavar	0830	26	1009·2	1006·2	+0·3	24·9	23·9	23·5	28·7	91	0	7·2	+0 5	3·3	0	0	29	1	5	2	0	4	3	9	5	2	0
	1730	,,	1006·8	1004·0	..	26·8	24·8	23·8	29·4	83	..	7·0	..	4·9	0	0	31	2	0	0	0	9	2	16	2	0	0
Mangalore (Bajpe)	0230	102	1008·2	996·8	..	23·7	23·2	22·9	27·9	96	..	6·6	..	4·3	0	2	9	1	0	1	0	1	0	3	4	20	1
	0530	,,	1008·1	996·2	..	23·4	23·1	22·9	27·9	97	..	7·1	..	5·5	0	0	21	1	1	5	4	0	0	3	6	10	1
	0830	,,	1009·7	998·1	..	24·7	23·8	23·4	28·6	93	..	7·1	..	6·0	0	0	25	2	3	7	2	2	0	4	5	6	0
	1130	,,	1009·7	998·2	..	26·8	24·5	23·5	28·9	82	..	6 9	..	10·4	0	2	28	2	1	0	1	0	5	11	9	1	1
	1430	,,	1007·7	996·2	..	27·5	24·7	23·4	28·8	79	..	7·0	..	15·4	0	8	22	0	0	0	1	0	2	13	12	1	2
	1730	,,	1007·2	995·7	..	26·4	24·2	23·3	28·4	84	..	7·3	..	10·8	0	1	26	1	0	0	1	1	0	13	9	4	2
	2030	,,	1008·9	997·4	..	24·7	23·7	23·2	28·4	92	..	6·2	..	7·6	0	0	25	0	0	0	2	0	2	10	10	6	1
	2330	,,	1009·8	998·2	..	24·1	23·4	23·1	28·3	94	..	6·7	..	6·8	0	3	18	0	1	3	4	0	0	7	6	10	0
Mangalore	0830	22	1009·4	1006·9	−0·4	25·1	23·9	23·3	28·6	88	−2	6·8	+0·1	5·0	0	0	31	4	0	4	7	0	4	5	5	0	2
	1730	,,	1007·5	1005·0	..	27·0	24·9	23·7	29·7	82	..	6.6	..	5·9	0	0	31	2	1	0	2	2	6	3	14	0	1
Interior Mysore, North																											
Bidar	0830	664	1006.9	933.7	..	23.0	21.4	20.5	24.1	86	+3	7.4	+2·0	16.8	0	9	22	1	0	1	0	3	13	9	4	0	0
	1730	,,	1001.7	930.1	..	27.7	23.0	20.6	24.1	67	..	7·0	..	15·0	0	8	23	1	2	1	3	3	10	6	5	0	0
Gulbarga	0830	458	1007·4	956·4	+0.9	24·2	21·9	20·8	24·7	82	+4	7·4	+1·9	9·7	0	2	28	2	0	1	1	1	6	17	2	1	0
	1730	,,	1001·9	952·5	..	30·4	23·2	19·8	23·1	55	..	6.2	..	9·2	0	3	27	1	1	3	1	3	5	11	5	1	0
Bijapur	0830	594	1008·2	942·3	+1·2	23·0	21·5	20·8	24·4	88	+11	6·5	+0·9	4·9	0	0	31	3	0	0	0	5	5	18	0	0	0
	1730	,,	1002·4	938·4	..	29·9	23·1	19·7	23·2	55	..	6·3	..	4·9	0	0	31	0	0	0	3	3	3	19	3	0	0
Raichur	0830	400	1007·6	963·2	+0·8	25·4	22·1	20·5	23·8	74	−2	5·7	+1·4	8·0	0	3	24	0	1	0	3	0	13	6	3	4	1
	1730	,,	1002·0	958·7	..	31·9	23·1	18·6	21·0	47	..	6·2	..	9·8	0	2	29	0	2	0	7	1	12	1	7	0	1
Belgaum	0830	753	1008·2	925·3	+0·2	21·5	20·5	20·1	23·4	92	+1	7·9	+0·8	3·4	0	0	23	0	0	1	0	2	1	17	2	8	0
	1730	,,	1005·1	923·1	..	23·4	21·3	20·3	23·8	83	..	7·7	..	6·3	0	0	31	0	0	0	2	0	3	22	4	0	0
Belgaum (Samra)	0530	747	1007·1	924·6	..	20·6	19·9	19·6	22·7	94	..	6·8	..	6·8	0	1	28	1	2	0	0	0	11	14	1	2	0
	0830	,,	1008·2	925·9	..	21·8	20·6	19·9	23·4	89	..	7.6	..	10·0	0	0	31	0	2	1	0	2	6	17	3	0	0
	1130	,,	1007·4	926·1	..	24·8	21·5	19·9	23·2	75	..	7.2	..	12·5	0	2	29	0	1	1	1	0	9	16	3	0	0
	1430	,,	1005·3	924·4	..	26·0	22·0	20·1	23·5	71	..	7.0	..	16·2	0	12	19	0	0	2	1	2	9	14	3	0	0
	1730	,,	1005·0	923·6	..	23·9	21·5	20·3	23·8	81	..	7.3	..	14·1	0	5	25	0	0	0	1	0	9	19	1	1	0
	2030	,,	1007·5	925·3	..	21·7	20·5	20·0	23·2	90	..	6.9	..	8·9	0	1	30	0	0	0	1	0	9	18	3	0	0
Gadag	0530	650	1007·2	935·1	..	21·1	20·4	20·1	23.5	94	..	5.7	..	10·8	0	1	28	0	0	3	0	0	6	20	0	2	0
	0830	,,	1008·3	936·5	+0·7	22.5	21·1	20·3	24·0	87	+3	6.8	+0·9	9·4	0	0	31	0	1	3	0	0	10	17	0	0	0
	1130	,,	1007·1	936·3	..	26·6	22·2	20·1	23·5	69	..	6.7	..	14.6	0	6	25	0	0	2	1	2	7	15	3	0	1
	1430	,,	1004·3	934·2	..	28·7	22·5	19·5	22·7	59	..	6.4	..	15·6	0	10	21	0	0	3	0	2	7	17	2	0	0
	1730	,,	1004·0	933·6	..	27·4	22·4	19·9	23·4	65	..	6·3	..	13·4	0	6	25	0	0	3	0	1	12	14	1	0	0
	2030	,,	1007·1	935.7	..	23·5	21.1	19.9	23·2	80	..	4.5	..	15·7	0	9	22	0	0	1	1	0	3	26	0	0	0
	2330	,,	1008·5	936·6	..	22·1	20.8	20·2	23.5	89	..	5·0	..	11·7	0	2	28	0	0	1	1	1	6	21	0	1	0
Interior Mysore South																											
Bellary	0830	449	1007.7	957.8	+0·4	24.9	21.8	20.0	23.5	75	+8	3·7	—1·9	8.3	0	0	26	0	3	0	0	0	2	13	8	5	0
	1730	,,	1002.8	954·0	..	30.2	22.9	18.9	22.0	53	..	5·0	..	11.2	0	0	29	0	2	0	0	0	5	11	11	2	0
Chitradurga	0830	733	1008.2	927·5	+0·2	21.7	20.2	19·4	22.4	87	+6	6·8	−0·1	9.6	0	0	26	0	0	1	0	0	4	21	0	5	0
	1730	,,	1003.7	924.7	..	27.2	21.5	18.5	21.0	60	..	5·5	..	11.7	0	0	31	1	0	0	3	0	4	23	0	0	0
Shimoga	0830	571	1008.3	944.9	0	22.9	21.2	20.4	23·8	87	0	7·3	+0·1	3.9	0	0	31	1	2	0	0	1	3	24	0	0	0
	1730	,,	1005.0	942.5	..	25.4	22.3	20.9	24.7	77	..	6·6	..	6.5	0	0	30	0	1	0	0	1	4	23	1	1	0
Agumbe	0830	..	..	..	..	21.2	20.9	20.8	24.4	98	..	..	..	6·7	0	0	30	0	2	1	0	0	20	4	3	1	0
Balehonnur	0830	..	..	..	..	20.5	19.8	19.5	22.5	94	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hassan	0830	960	1492.6	904.4	..	20.4	19.3	18.8	21.6	91	+7	6.8	+0·2	4.1	0	0	31	0	0	2	0	0	17	12	0	0	0
	1730	,,	1473.5	901.8	..	23.6	20.5	18.8	21.8	75	..	7.1	..	4.2	0	0	31	0	0	0	2	1	12	16	0	0	0
Bangalore	0230	921	1481.3	907.5	..	20.1	19.3	18.9	21.8	92	..	6.3	..	9.0	0	0	27	0	0	1	0	0	8	17	1	4	0
	0830	,,	1493.4	908.5	−0·5	20.7	19.5	19.0	21.8	90	+5	7.3	+0·1	10.9	0	1	29	0	0	2	0	0	8	17	3	1	0
	1130	,,	1499.2	908.5	..	24.1	20.5	18.6	21.4	72	..	7.0	..	13.9	0	7	23	0	0	1	2	0	8	15	4	1	0
	1430	,,	1485.9	906.7	..	26.5	21.3	18.7	21.6	63	..	6.8	.	13.3	0	8	20	0	1	0	2	0	5	14	6	3	0

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Interior Mysore, South—*Contd.*																											
Bangalore—*Contd.*	1730	921	1477·7	905·9	..	25·9	21·2	18·8	21·8	66	..	6·8	..	11·7	0	3	27	0	0	1	2	0	3	15	9	1	0
	2030	,,	1487·3	907·6	..	22·8	20·5	19·5	22·7	84	..	6·0	..	8·8	0	1	25	0	0	1	2	0	12	10	1	5	0
Bangalore Aerodrome	0530	897	1474·3	909·4	..	19·7	19·2	18·9	21·8	95	..	6·0	..	10·5	0	1	29	1	0	1	0	0	6	22	0	1	0
	0830	,,	1490·4	910·8	..	21·0	19·9	19·2	22·4	90	..	7·0	..	14·3	0	4	26	0	0	2	0	0	2	25	1	1	0
	1130	,,	1494·0	910·6	..	24·0	20·9	19·1	22·1	76	..	6·8	..	16·3	0	7	22	0	0	0	1	0	1	26	1	2	0
	1730	,,	1470·5	907·8	..	25·4	21·6	19·7	22.7	72	..	6·5	..	12·3	0	0	30	0	0	1	0	1	5	20	3	1	0
	2330	,,	1490.3	910.7	..	21.6	20.3	19.8	22.5	91	..	6.2	..	12.5	0	2	29	0	0	1	2	0	2	26	0	0	0
Mysore . . .	0830	767	1009.2	924.8	—0.1	21.6	19.8	18.5	21.8	84	+4	4.7	—1.6	5.2	0	0	31	6	2	0	4	8	9	0	2	0	0
	1730	,,	1005.1	922.1	..	25.4	20.8	18.4	21.1	67	..	5.4	..	10.4	0	2	29	1	0	0	0	2	12	11	5	0	0
Kerala																											
Calicut . . .	0530	5	1008.9	1008.3	..	24.3	23.7	23.3	28.6	95	..	5.3	..	3.6	0	0	17	6	2	3	0	0	0	3	3	14	0
	0830	,,	1010.2	1009.6	0	25.2	24.0	23.4	28.7	90	—1	5.9	—0.7	3.7	0	0	21	4	2	6	0	0	0	0	9	10	0
	1130	,,	1010.2	1009.6	..	27.1	25.0	24.1	30.0	84	..	5·8	..	7.6	0	0	30	2	1	2	0	1	1	8	15	1	0
	1730	,,	1008.0	1007.4	..	27.1	25.0	24.1	30·0	84	..	6.1	..	6.5	0	0	27	0	0	0	0	1	1	12	13	4	0
	2330	,,	1010.4	1009.8	..	25.1	24.1	23.7	29.1	92	..	5 9	..	4.9	0	0	23	9	1	4	0	0	1	0	8	8	0
Palghat .	0830	97	1009.8	998.7	..	25.2	23.6	22.9	27.7	88	..	6.5	..	10.5	0	0	31	0	0	0	1	0	0	30	0	0	0
	1730	,,	1006.7	995.7	..	27.2	24.1	22.7	27.6	77	..	6.3	..	10.9	0	0	31	0	0	0	0	0	0	31	0	0	0
Port Cochin . .	0830	3	1010.2	1009.9	—0.4	25.8	24.6	24.0	29.8	89	+3	7.6	+1.6	7.0	0	0	30	7	10	6	1	0	1	2	3	1	0
	1730	,,	1008.1	1007.8	..	26.8	24.9	24.1	30.0	85	..	7·3	..	10.1	0	1	30	1	0	1	0	0	1	10	18	0	0
Cochin (Naval Air Station)	0230	3	1009·1	1008.8	..	24·6	23.7	23.3	28.6	92	..	6.9	.	3·6	0	0	10	3	0	0	0	0	1	2	4	21	0
	0530	,,	1008.8	1008.5	..	24.2	23.5	23.2	28.3	94	..	6.8	..	1.2	0	0	7	1	1	0	0	0	1	1	3	24	0
	0830	,,	1010.2	1009.9	..	25.7	24.3	23.7	29.3	89	..	6.5	..	4.2	0	0	19	2	5	6	0	1	0	2	3	12	0
	1130	,,	1010.5	1010.2	..	27.7	24·8	23.4	28.6	78	..	6.5	..	12.9	0	4	25	1	0	0	1	0	2	8	17	2	1
	1730	,,	1007.9	1007.6	..	27.2	24·5	23.3	28.6	79	..	6.9	..	13.0	0	3	27	0	0	0	0	1	3	8	18	1	0
	2330	,,	1010.6	1010.3	..	25.3	24.1	23.5	28.9	90	..	7.0	..	4.9	0	1	14	2	0	0	0	0	0	1	12	16	0
Alleppey . .	0830	4	1010.2	1009.8	+0.2	25.4	24.4	24.0	29.8	92	+2	6·8	0	8.1	0	2	27	4	10	3	0	0	1	3	8	2	0
	1730	,,	1007.8	1007.4	..	27.3	25.0	24.0	29.8	82	..	7.0	..	19.6	0	16	15	1	0	0	0	0	0	3	27	0	0
Punalur . .	0830	34	1010.3	1007.1	..	24.5	23.7	23.3	28.8	93	..	7.3	..	0	0	0	1	0	0	0	0	0	0	0	1	30	0
	1730	,,	1007.4	1003.9	..	27.3	24.7	23.3	28.4	78	..	7.7	..	4.0	0	0	29	0	0	0	0	0	1	14	14	2	0
Trivandrum .	0230	64	1008.8	1001.4	..	24.1	23.4	23.0	28.8	94	..	6.0	..	5.9	0	1	22	3	0	0	0	0	0	0	20	8	0
	0530	,,	1008.7	1001.3	..	23.8	23.1	22.8	27.6	94	..	5.4	..	4·3	0	0	23	13	0	0	0	0	0	0	10	8	0
	0830	,,	1010.1	1002.8	—0.8	25.2	23.7	23.1	27.9	88	+2	6.0	—0.3	6.4	0	0	30	8	2	0	0	0	1	1	18	1	0
	1130	,,	1010.0	1002.7	..	27.8	24.5	23.0	27.9	77	..	6.8	..	11.2	0	1	30	4	0	0	0	0	1	2	24	0	0
	1430	,,	1007.9	1000.7	..	28.3	24.7	22.9	28.1	73	..	6.4	..	9.5	0	1	30	4	0	0	0	0	0	2	25	0	0
	1730	,,	1007.7	1000.4	..	27.0	24.1	22.8	27.6	78	..	6.8	..	8 9	0	0	31	4	0	0	0	0	0	1	26	0	0
	2030	,,	1009.7	1002.3	..	25.4	23.8	23.0	28.1	86	..	5 9	..	6.7	0	0	29	5	0	0	0	0	0	0	24	2	0
	2330	,,	1010.3	1003.0	..	24.7	23.7	23.2	28.6	91	..	6·1	..	6.9	0	1	28	10	0	0	0	0	0	0	19	2	0
Trivandrum Aerodrome	0830	8	1010.4	1009.5	..	26.3	24.0	22.9	27.9	82	..	6.0	..	23.0	0	23	7	21	1	0	0	0	0	0	8	1	0
Arabian Sea Islands																											
Amin† . . .	0530	4	1007.7	1007.3	..	26.9	25·1	24.3	30.4	86	..	4.6	..	36.2	1	28	2	0	0	0	0	0	0	23	8	0	0
	0830	,,	1009.2	1008.8	..	27.1	25.3	24.5	30.7	86	+3	6.1	+0.4	36.1	0	31	0	0	0	0	0	0	0	23	8	0	0
	1130	,,	1009.6	1009.2	..	28.1	25.8	24.8	31.5	83	..	5.8	..	35.9	1	30	0	0	0	0	0	0	0	20	11	0	0
	1730	,,	1007.1	1006.7	..	28.0	25.9	25.0	31.9	84	..	6.5	..	36.7	0	31	0	0	0	0	0	0	1	18	12	0	0
	2330	,,	1009.5	1009.1	..	27.1	25.4	24.6	31.1	86	..	4.3	..	35.1	0	29	2	0	0	0	0	0	0	19	12	0	0
Agathi† . . .	0830	4	1009.7	1009.2	..	27.2	25.9	25.2	32.2	89	..	6.3	..	26.0	0	29	2	0	0	0	0	0	0	22	9	0	0
	1730	,,	1008.0	1007.5	..	27.5	26.0	25.5	32.2	89	..	6.5	..	27.4	0	27	4	0	0	0	0	0	0	11	20	0	0
Androth† . . .	0830	5	1009.7	1009.3	..	26.8	25.7	25.3	32.2	91	..	6.2	..	10.1	0	3	27	0	0	0	0	0	2	5	18	1	5
	1730	,,	1008.0	1007.5	..	27.6	26.2	25.6	32.8	89	..	5.7	..	9.8	0	1	29	0	0	0	0	0	0	11	19	1	0
Minicoy† . .	0530	2	1009.3	1009.1	..	26.5	24.2	23.1	28.3	81	..	5.0	..	14.7	0	10	21	0	0	0	0	0	0	23	8	0	0
	0830	,,	1010.7	1010.5	—0.2	27.5	24.7	23.4	28.8	78	—1	5.6	+0.9	13.5	0	9	22	0	0	0	0	0	0	22	9	0	0
	1130	,,	1010.9	1010.7	..	28.8	25.3	23.8	29.3	74	..	6.0	..	16.1	0	13	18	0	0	0	0	0	0	21	10	0	0
	1430	,,	1009.2	1009.0	..	28.5	25.1	23.6	29.1	75	..	5.7	..	18.3	0	13	18	1	0	0	0	0	0	20	10	0	0
	1730	,,	1008.6	1008.4	..	28.0	24.8	23.4	28.6	76	..	5.9	..	15.9	0	10	21	0	0	0	0	0	0	18	13	0	0
	2030	,,	1010.1	1009.9	..	27.1	24.4	23.1	28.3	79	..	4.7	..	17.2	0	11	20	0	0	0	0	0	0	21	10	0	0
	2330	,,	1011.0	1010.8	..	27·0	24.4	23.3	28.4	80	..	5.4	..	19.9	0	17	14	0	0	0	0	0	0	16	15	0	0

†Data given as addenda in December 1965 issue.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hill Stations (excluding Kashmir)																											
Dalhousie	0830	1959	1400.4	797.0	+1·3	17.8	15.9	14.8	16.8	83	−8	..	..	2.2	0	0	1	0	1	0	0	0	0	0	0	30	0
	1730	,,	1394.0	796.6	..	19.9	18.5	17.3	19.7	86	..	..	..	0.1	0	0	1	0	1	0	0	0	0	0	0	30	0
Dharmsala	0830	1211	..	..	..	23.3	19.9	18.0	20.6	73	−13	4.5	−1.1	1.1	0	0	17	1	7	4	1	0	1	2	1	14	0
	1730	,,	..	..	..	25.1	21.4	19.7	22.9	74	..	5.8	..	1.9	0	0	26	2	4	2	0	1	9	5	3	5	0
Simla	0830	2202	1452.2	779.2	+0.9	16.8	15.6	15.0	17.0	88	+2	4.9	−1.7	0.4	0	0	7	2	1	0	1	3	0	0	0	24	0
	1730	,,	1441.6	778.5	..	18.0	16.6	15.9	18.0	88	..	6.0	..	0.1	0	0	1	0	0	0	0	1	0	0	0	30	0
Lokpal	0830	..	..	..	..	7.0	5.8	4.7	8.5	85	..	3.7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Badrinath (R)	0830	..																									
Joshimath	0830	..	..	..	..	17.7	16.9	16·0	18.2	88	..	4.5	..	2.1	0	0	16	0	4	2	4	0	2	2	2	15	0
	1730	..	..	..	..	22.0	17.8	15.6	17.7	69	..	5.6	..	2.4	0	0	24	2	2	3	3	2	4	3	5	7	0
Mussoorie	0830	2042	1447.2	793.3	−0·6	16.6	16.1	15.6	17.7	93	−2	6.0	−1.0	1.0	0	0	12	2	1	0	3	4	1	0	1	19	0
	1730	,,	1431.7	792.1	..	17.8	17.5	17.2	19.6	96	..	7.9	..	1.6	0	0	16	2	0	0	6	6	1	0	1	15	0
Mukteswar (Kumaun)	0830	2311	3112·1	770·0	+0·6	15·9	14·5	13·6	15·6	88	−3	5·1	−1·5	9·5	0	5	21	0	2	4	1	0	2	9	8	5	0
	1730	,,	3101·6	768·5	..	17·9	16·5	15·7	17·8	88	..	6·0	..	13.0	0	6	21	0	2	4	1	0	3	10	7	4	0
Nainital	0830	1953	1445·6	801·6	+1.1	18·6	15·3	13·5	15·5	73	−14	5·0	−1.6	9·5	0	2	27	0	7	9	8	0	0	2	3	2	0
	1730	,,	1418·3	799·1	..	18·8	16·7	15·1	17·1	80	..	6·2	..	7·5	0	0	31	4	0	6	6	1	1	13	0	0	0
Kalimpong	0830	1209	..	..	..	24·2	19·6	17·1	19·5	64	−27	..	..	7·5	0	0	31	0	0	0	22	0	2	0	7	0	0
	1730	,,	..	..	..	25·2	20·1	17·3	19·7	62	..	..	..	4·9	0	0	31	0	0	0	23	0	1	0	7	0	0
Darjeeling	0830	2128	1490.7	789.5	+3.4	16·5	16·2	16·1	18·3	97	+13	7.5	+0·6	2·2	0	0	10	1	1	0	0	0	6	0	0	21	2
	1730	,,	1465.9	787.5	..	16·5	16·1	15·9	18·1	96	..	7·5	..	1·7	0	0	8	1	1	0	0	0	3	1	0	23	2
Kohima	0830	1406	1519.2	86 .3	..	21·1	19·9	19·3	22·4	90	..	7·6	..	1·2	0	0	19	0	0	0	0	0	0	0	19	12	0
	1730	,,	1484·4	857·8	..	21.2	20.1	19·5	22·7	92	..	7·7	..	1·4	0	0	23	1	1	0	0	0	0	0	21	8	0
Shillong	0830	1500	1489·4	849·2	−3·4	21·5	19.5	18·6	21·4	83	+2	7·8	+1·1	0·8	0	0	2	0	0	0	1	0	1	0	0	29	0
	1730	,,	1469.2	847·2	..	20·8	19·3	18.6	21·4	86	..	(a) 7·9	..	(a) 1.2	0	1	1	0	0	0	0	1	1	0	0	28	0
Cherrapunji (R)	0830	1313																									
(R)	1730	,,																									
Abu	0830	1195	1423.0	873.0	−1.9	20·0	18·7	18·0	20.6	88	−5	5·7	−1·6	2.2	0	0	12	0	0	0	0	6	6	0	0	19	0
	1730	,,	1415·7	872·1	..	22.6	19.9	18·1	20·8	78	..	5·0	..	2·7	0	0	19	0	0	0	0	9	10	0	0	12	0
Aijal	0830	..	..	..	..	21.7	20·2	19·3	22·4	87	..	6·7	..	4·3	0	0	31	0	0	18	0	10	1	1	1	0	0
	1730	..	..	..	..	21·8	20·7	20·1	23·5	88	..	(a) 7·1	..	(a) 4·0	0	0	30	0	1	7	0	4	13	5	0	0	0
Pachmarhi	0830	1075	1470·5	889·9	+2.4	21·5	20·1	19.4	22.5	88	−2	6·5	−0·8	4·0	0	0	23	1	0	0	0	0	3	13	6	8	0
	1730	,,	1450·2	887.5	..	23·8	21·2	19·9	23·2	79	..	6·8	..	3·4	0	0	24	1	3	0	0	0	0	17	6	7	0
Mahabaleshwar	0830	1382	1479·8	859.9	+0.5	17·7	17·6	17·5	20·0	99	+2	7·6	−0·2	14·1	0	7	24	1	3	0	5	0	19	1	2	0	0
	1730	,,	1464·0	858.4	..	18·6	18·4	18·3	21·0	98	..	7·9	..	13·0	0	4	27	0	0	1	0	0	20	1	9	0	0
Mercara	0830	1152	1492.1	884.6	+0.4	18·1	17·9	17·5	20·2	97	+2	7·0	−0.4	11·9	0	1	30	0	0	2	0	0	0	28	1	0	0
	1730	,,	1476·0	882.8	..	19.4	18·6	18·1	20·9	93	..	7·4	..	6·5	0	0	31	0	0	1	0	0	2	25	2	0	1
Ootacamund	0830	2249	1496·8	778·6	+0·6	13·3	12·4	11·7	13·7	90	+3	5·0	−1·6	2.7	0	0	23	0	0	0	0	0	14	9	0	8	0
	1730	,,	1466·1	776·4	..	15·5	14·2	13·3	15·3	88	..	6·0	..	3·3	0	0	17	0	1	0	0	0	2	13	1	14	0
Coonoor (†)	0830	1747																									
Kodaikanal	0830	2343	3137·3	770.0	+0.4	13·9	12·1	10·7	12·9	82	+5	6·3	+1.2	8·7	0	4	22	2	0	0	2	1	2	4	15	5	0
	1130	,,	3146.3	770·3	..	16·2	14·1	12·7	14.7	80	..	7·3	..	2.7	0	0	25	5	0	0	4	1	0	1	14	6	0
	1730	,,	3120·6	768·5	..	14·0	13·3	12·8	14·9	93	..	7·5	..	6·9	0	1	25	2	0	0	1	3	1	4	15	5	0
Nepal																											
Katmandu	0830	1324	1458·2	863·4	..	21·5	19·9	19·1	22·1	87	..	6·7	..	0·4	0	0	3	0	1	1	0	1	0	0	0	28	0
	1130	,,	1455·5	863·0	..	24·4	21·5	20·1	23·5	77	..	6·4	..	0·8	0	0	6	1	0	1	3	1	0	0	0	25	0
	1730	,,	1433·5	860·9	..	23·2	21·2	20·2	23·7	83	..	6·5	..	1.1	0	0	9	3	0	0	1	1	1	0	3	22	0
Sikkim																											
Lachen(R)	0830																										
Hydrometeorological Observatories Damodar Catchment																											
Tilaiya	0830	..	..	..	..	27·5	24·5	23·1	28·3	77	..	6·3	..	6·6	0	0	25	0	1	4	4	0	0	13	3	6	0
	1730	..	..	..	..	28·3	24·8	23·2	28·3	75	..	7.6	..	5·5	0	0	27	2	1	6	2	1	0	12	3	4	0
Hazaribagh	0830	615	1003.0	935·7	..	25·3	23·6	22·9	27·9	87	..	5·8	..	4·9	0	0	22	1	0	3	1	0	5	9	3	9	0
	1730	..	1000·1	933·1	..	25·8	24·0	23·3	28·6	86	..	7·3	..	2·9	0	0	18	0	0	4	0	1	6	3	4	13	0

†Data not available (R) Register not received. (a) Mean of 30 days.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud amount (Oktas): Mean Amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hydrometeorological Observatories Damodar Catchment —(Contd).																											
Konar	0830	..	..	..	..	27·6	24·6	23·2	28·4	77	..	2·4	..	4·5	0	0	31	0	0	5	10	0	2	12	2	0	0
	1730	,,	..	..	..	26·4	25·4	25·0	31·7	92	..	1·0	..	4·3	0	0	31	0	0	5	8	0	1	15	2	0	0
Bokaro	0830	242	1002.4	975.7	..	28·7	25.9	24·7	31·1	79	..	5·3	..	4·3	0	0	25	1	0	3	3	3	7	5	3	6	0
	1730	,,	1000·5	973·7	.	28·7	25·9	24·6	30·9	79	..	5·7	..	4·1	0	0	28	1	6	3	6	0	4	5	3	3	0
Maithon	0830	..	..	..	..	28·6	26·2	25·2	32·1	82	..	5·7	..	3·2	0	0	31	0	2	0	11	3	14	1	0	0	0
	1730	..	..	..	..	29·0	26·1	24·8	31·3	78	..	5·9	..	3·7	0	0	31	0	0	0	17	1	10	1	2	0	0
Ramgarh	0830	..	..	..	..	27·9	25·2	24·0	29·8	80	..	6·3	..	6·8	0	1	30	8	1	5	1	3	2	8	3	0	0
	1730	..	..	..	..	28·1	25·2	24·0	29·8	79	..	6·8	..	6·6	0	0	30	4	0	7	1	3	2	10	3	1	0
Panchet Hills	0830	..	..	..	..	28·6	26·1	25·1	31·9	82	..	5·5	..	5·0	0	0	25	0	5	0	5	0	14	0	1	6	0
	1730	..	..	..	..	28·4	25·9	24·9	31·5	80	..	6·6	..	3·9	0	0	25	0	3	0	11	0	8	0	3	6	0
Durgapur	0830	..	..	..	..	28·1	25·7	24·7	31·1	83	..	6·8	..	6·3	6	0	31	2	0	4	3	8	6	4	4	0	0
	1730	..	..	..	..	28·4	25·9	24·8	31·3	83	..	7·3	..	6·6	0	0	31	2	1	1	3	10	5	6	3	0	0
Mahanadi Catchment																											
Ginabahar	0830	..	..	..	..	26·0	24·0	23·0	28·4	85	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hirakud	0830	159	1004·5	986·7	..	28·2	25·5	24·3	30·4	80	..	4·9	..	1·8	0	0	23	1	1	0	1	2	10	6	2	8	0
	1130	,,	1004.0	986·3	..	30·5	26·2	24·4	30·5	71	..	5·3	..	1·9	0	0	22	1	0	0	2	1	5	13	0	9	0
	1730	,,	1001·2	983·6	..	29·5	25·7	24·1	30·0	73	..	6·2	..	1·7	0	0	21	1	2	1	1	1	6	7	1	10	1
Bhimkund	0830	..	..	..	..	27·2	24·8	23·7	29·3	82	..	5·4	..	0·7	0	0	9	1	0	0	0	0	6	0	2	22	0
	1730	..	..	..	..	27·3	25·1	24·1	30·0	83	..	5·8	..	0·9	0	0	9	0	0	0	1	0	5	0	3	22	0
Sonepur	0830	..	..	..	..	28·6	26·7	25·9	33·4	84	..	..	..	6·2	0	1	23	0	0	4	0	5	0	15	0	7	0
Khijrawan	0830	..	..	..	..	26·8	24·1	22·8	27·7	79	..	6·9	..	9·2	0	3	28	0	3	0	1	3	16	5	3	0	0
	1730	..	..	..	..	27·7	24·3	22·6	27·6	75	..	6·5	..	9·2	0	2	28	0	3	1	4	2	12	3	5	1	0
Narmada Catchment																											
Bagra Tawa	0830	..	..	..	..	26·0	23·8	22·7	27·7	82	..	6·1	..	9.9	0	0	30	0	1	1	0	4	17	7	0	1	0
	1730	..	..	..	..	29·0	24·6	22·5	27·2	69	..	6·3	..	7·3	0	0	28	0	0	2	3	2	13	7	1	3	0
Punasa	0830	..	..	..	..	26·3	24·0	22·8	27·9	81	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	30·1	24·5	21·9	26·1	65	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thikri	0830	..	..	..	..	27·0	18·4	12·0	14·2	40	..	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sabarmati Catchment																											
Daroi	0830	..	..	..	..	26·4	24·5	23·7	29·3	85	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	31·4	25·8	23·2	28·6	63	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gandak Catchment																											
Jomosom	0830	..	..	..	..	18·6	15·4	13·7	15·7	78	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	18·3	15·3	13·8	15·9	81	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Khudi Bazar	0830	..	..	..	..	23·3	21·5	20·7	24·5	86	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	24·2	22·3	21·4	25·5	85	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Timure	0830	..	..	..	..	19·5	18·0	17·2	19·6	87	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	21·1	18·7	17·6	20·1	80	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pokhara	0830	..	..	..	..	23·1	21·9	21·3	25·3	90	..	6·7	..	1·5	0	0	14	0	1	2	7	3	0	0	1	17	0
	1130	..	..	..	..	25·5	22·5	21·2	25·3	78	..	6·5	..	3·9	0	0	24	0	0	2	11	7	2	2	0	7	0
	1730	..	..	..	..	24·6	22·5	21·5	25·8	84	..	6·4	..	2·3	0	0	16	0	1	2	6	5	0	0	1	15	1
Gorkha	0830	..	..	..	..	21·6	20·8	20·4	24·0	93	..	7·2	..	..	..	..	..	2	1	5	3	2	5	0	0	13	0
	1130	..	..	..	..	23·8	22·1	21·2	25·3	86	..	6·7	..	..	..	..	..	0	1	2	6	2	14	1		4	0
	1730	..	..	..	..	23·1	21·7	21·0	24·8	88	..	6·6	..	..	..	..	..	4	0	1	6	3	6	4		7	0
Nuwakot	0830	..	..	..	..	23·1	22·2	21·8	26·1	92	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	24·0	22·2	21·4	25·5	86	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghaghara Catchment (Trans Himalayan Region),																											
Dailekh	0830	..	..	..	..	21·8	20·8	20·3	23·8	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	23·0	21·8	21·2	25·3	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghaghara Catchment																											
Dadeldhura	0830	..	..	..	..	19·0	17·8	17·1	19·6	89	..	5·1	..	3·4	0	0	27	7	3	0	4	2	1	2	8	4	0
	1130	..	..	..	..	21·1	19·0	17·9	20·6	83	..	5·2	..	5·0	0	0	29	7	3	0	4	2	1	2	10	2	0
	1730	..	..	..	..	19·9	18·7	18·1	20·9	90	..	5·6	..	5·6	0	0	29	6	0	1	5	1	3	0	13	2	0

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hydrometeorological Observatories—(*Contd.*)																											
Ghaghara Catchment—*contd.*																											
Sallyana	0830	..	..	..	..	21·5	20·2	19·5	22·8	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	21·7	20·0	19·2	22·2	86	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Butwal	0830	..	..	..	..	27·1	25·3	24·5	30·9	86	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	28·2	26·2	25·4	32·5	85	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bagmati Catchment																											
Katmandu*																											
Kosi Catchment																											
Chautara	0830	..	..	..	..	19·9	19.4	19.2	22.2	96	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	21·2	19·9	19.3	22.4	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Walungchung Gola	0830	..	..	..	..	12·3	11·7	11·4	13·5	94	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	11.7	11·5	11·3	13·4	97	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taplethok	0830	..	..	..	..	21·1	20·0	19·4	22·6	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	20 9	19·8	19·3	22·4	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bhojpur	0830	..	..	..	..	20·3	19·2	18.7	21·5	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	19·3	18.8	18·5	21·3	95	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Teplejung	0830	..	..	..	..	18.8	18.2	17.9	20.5	94	..	7.6	..	1.3	0	0	13	3	0	0	0	2	2	4	2	18	0
	1130	..	..	..	..	21.0	19.2	18.3	21.1	82	..	7.3	..	4.0	0	0	22	3	0	1	2	6	3	2	5	9	0
	1730	..	..	..	..	19.8	18.8	18.2	21.0	91	..	7.5	..	2.3	0	0	14	4	1	0	1	2	2	2	2	17	0
Okhaldhunga	0830	..	..	..	..	18.3	17.8	17.5	20.0	95	..	7.0	..	2.7	0	0	14	1	0	1	0	0	2	9	1	17	0
	1130	..	..	..	..	20.7	19.2	18.5	21.3	88	..	6.7	..	3.3	0	0	14	0	0	0	0	2	2	9	1	17	0
	1730	..	..	..	..	18.7	18.1	17.8	20.4	95	..	7.1	..	4.8	0	0	18	0	0	0	0	2	4	11	1	13	0
Chainpur*	0830	..	..	..	..	21.1	20.3	19.9	23.3	93	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	22.2	21.1	20.5	24.2	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Angbung††	0830																										
Barahakshetra	1730	146	1004.1	987.7	..	25.8	24.7	24.1	30.1	91	..	6.5	..	0.6	0	0	5	0	0	0	0	0	2	0	3	26	0
	0830	,,	1003.5	987.2	..	27.8	25.4	24.3	30.4	82	..	6.8	..	2.2	0	0	16	0	0	0	0	1	12	3	0	15	0
	1130	,,	1000.9	984.6	..	27.4	25.8	25.1	31.7	88	..	6.5	..	1.1	0	0	9	1	2	0	1	0	3	2	0	22	0
Tista catchment	1730																										
Gangtok	0830	1812	1463·5	816.5	..	18.2	17.6	17.3	19.7	94	..	7.8	..	0.7	0	0	8	3	4	0	1	0	0	0	0	23	0
	1130	,,	1458.2	816.2	..	19.8	18.7	18.2	20.9	91	..	7.5	..	0.5	0	0	7	1	1	..	0	0	4	0	1	24	..
	1730	,,	1437.4	814.2	..	19.3	18.2	17.7	20.2	90	..	7.8	..	0.6	0	0	4	0	1	..	0	1	1	1	0	27	..
Gezing	0830	..	..	..	..	19.7	19.3	19.0	22.1	96	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	20.1	19.2	19.8	21.7	92	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

*Data included under Nepal ††Data not available. Thermometer broken.

MONTHLY MEANS OF UPPER WINDS

During the month, observations of velocity and direction of upper winds were made at 54 stations in India. Out of these, at 39 stations all the observations were taken by means of pilot balloons and at 14 stations some observations were made by means of pilot balloons while the other observations by the radiowind method. In the case of Bangalore, the observations were taken by following radio sonde balloon by means of an optical theodolite. Particulars of these stations, their co-ordinates and the approximate times of the regular pilot balloon and rawin ascents at each station are given in the table overleaf. All radiowind ascents have been indicated by means of an asterisk (*) against the scheduled hours.

Data from ascents made at the scheduled time or within two hours on either side of the scheduled times of regular observations have been used for averaging.

Data up to 9·0 km. a. m. s. l. are given under Table IV and data above 9 0 km. a. m. s. l. under Table V.

In Tables IV and V :

n—represents the number of observations ;

V—represents the mean wind speed in metres per second irrespective of direction ;

v—represents the resultant mean velocity in metres per second ;

D—represents the direction of the resultant mean wind in degrees East of North.

Means and resultant winds are given in this publication for the following heights :

Surface, 0.15 km. a. g., 0.3, 0.6, 0.9, 1.5, 2.1, 3.0, 3.6, 4.5, 5.4, 6.0, 7.2, 9.0, 10.5, 12.0, 14.1, 16.2, 18.0, 21.0, 24.0, 27.0, 30.0, 33.0 and 36.0 km. a. m. s. l. Of these, the levels 1.5, 3.0, 5.4, 7.2, 9.0, 12.0, 14.1, 16.2, 18.0, 21.0, 24.0, 27.0 and 30.0 km. a. m. s. l. are considered as the best approximations to the standard pressure levels 850, 700, 500, 400, 300, 200, 150, 100, 70, 50, 30, 20 and 10 mb. respectively.

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS IN INDIA

S. No	Station	Lat. N.	Long. E.	Height of Anemometer head a.m.s.l. in metres	Date of opening**	Approximate times of flight (I.S.T.)			
1.	Agartala	23°53′	91°15′	17	28th November, 1951	0530		1730	233
2.	Ahmadabad	23°04′	72°38′	61	19th May, 1928	0530*	1130	1730*	233
3.	Allahabad/Bamhrauli	25°27′	81°44′	103	28th February, 1930.	0530*	1130	1730*	233
4.	Ambala	30°23′	76°46′	279	18th March, 1928	0530	1130	1730	233
5.	Anantapur	14°41′	77°37′	365	12th February, 1946	0530		1730	233
6.	Asansol	23°41′	86°59′	135	29th May, 1942	0530		1730	233
7.	Aurangabad/Chikalthan	19°51′	75°24′	583	7th October, 1951	0530		1730	233
8.	Bahraich	27°34′	81°36′	134	1st October, 1961	0530	1130	1730	
9.	Bangalore	12°58′	77°35′	936	19th May, 1915	0530@	1130	1730@	233
10.	Bareilly	28°22′	79°24′	181	12th January, 1943	0530		1730	
11.	Begampet	17°27′	78°28′	543	1st September, 1929	0530		1730	233
12.	Bhagalpur	25°14′	86°57′	61	19th May, 1950	0530		1730	
13.	Bhopal/Bairagarh	23°17′	77°21′	532	17th February, 1955	0530		1730	233
14.	Bhubaneshwar	20°15′	85°50′	54	5th December, 1942	0530		1730	233
15.	Bhuj/Rudramata	23°15′	69°48′	90	14th September, 1937	0530		1730	233
16.	Bikaner	28°00′	73°18′	229	18th October, 1946	0530		1730	233
17.	Bombay/Santa Cruz	19°07′	72°51′	27	14th May, 1933	0530*	1130	1730*	233
18	Calcutta/Dum Dum	22°39′	88°27′	13	14th May, 1921	0530*	1130	1730*	233
19.	Cochin/Willingdon†	09°56′	76°14′	13	16th March, 1942	0530		1730	233
20.	Dehra Dun	30°19′	78°03′	692	1st October, 1958	0530		1730	
21.	Dibrugarh/Mohanbari	27°29′	95°01′	112	1st June, 1948	0530	1130	1730	233
22.	Gadag	15°25′	75°38′	650	3rd May, 1943	0530		1730	233
23.	Gangtok	27°20′	88°37′	1764	1st May, 1963	0830		1730	
24.	Gauhati	26°05′	91°43′	55	11th March, 1955	0530*	1130	1730*	233
25.	Gaya	24°45′	84°57′	119	19th March, 1937	0530		1730	233
26.	Goa/Dabolim	15°23′	73°49′	23	1st July, 1965	0530		1730	233
27.	Gopalpur	19°16′	84°53′	24	15th February, 1946	0530		1730	233
28.	Gorakhpur	26°45′	83°22′	83	5th January, 1943	0530		1730	
29.	Gwalior	26°14′	78°15′	208	7th May, 1938	0530	1130	1730	233
30.	Imphal/Tulihal	24°46′	93°54′	782	29th March, 1943	0530	1130	1730	233
31.	Jabalpur	23°10′	79°57′	402	30th July, 1928	0530		1730	233
32.	Jagdalpur	19°05′	82°02′	562	25th March, 1948	0530		1730	233
33.	Jaipur/Sanganer	26°49′	75°48′	403	6th June, 1953	0530		1730	233
34.	Jamshedpur.	22°49′	86°11′	144	23rd July, 1942	0530		1730	
35.	Jharsuguda	21°55′	84°05′	240	1st May, 1944	0530		1730	2330
36.	Jodhpur	26°18′	73°01′	229	15th October, 1934	0530*	1130	1730*	2330
37.	Lucknow/Amausi	26°45′	80°53′	133	20th November, 1950	0530		1730	2330
38.	Madras/Minambakkam	13°00′	80°11′	29	8th April, 1926	0530*	1130	1730*	2330
39.	Mangalore/Bajpe	12°55′	74°53′	104	4th June, 1928	0530		1730	2330
40.	Minicoy	08°18′	73°00′	15	14th April, 1941	0530	1130	1730*	2330
41.	Nagpur/Sonegoan	21°06′	79°03′	316	23rd April, 1943	0530*	1130	1730*	2330
42.	New Delhi/Safdarjung	28°35′	77°12′	227	16th November, 1929	0530*	1130	1730*	2330
43.	Poona	18°32′	73°51′	593	5th January, 1925	0530		1730	2330
44.	Port Blair	11°40′	92°43′	95	13th March, 1926	0530*	1130	1730*	2330
45.	Raipur	21°14′	81°39′	308	15th July, 1944	0530		1730	2330
46.	Raxaul	26°59′	84°51′	83	28th October, 1957	0530		1730	
47.	Srinagar	34°05′	74°48′	1595	1st August, 1962	0530*		1730*	
48.	Tiruchchirappalli	10°46′	78°43′	96	22nd June, 1936	0530		1730	2330
49.	Trivandrum	08°29′	76°57′	73	8th December, 1928	0530*	1130	1730*	2330
50.	Udaipur	24°35′	73°42′	587	24th June, 1947	0530		1730	2330
51.	Vengurla	15°52′	73°38′	8	20th November, 1941	0530		1730	2330
52.	Veraval	20°54′	70°22′	17	13th October, 1941	0530		1730	2330
53.	Vijaywada/Gannavaram	16°32′	80°48′	32	1st April, 1957	0530		1730	2330
54.	Vishakhapatnam	17°43′	83°14′	10	24th September, 1928	0530*	1130	1730*	2330

*Radio wind ascents.

@Radiosonde ascents followed by optical theodolite.

†Naval Meteorological office.

**Refers to date from which data are available.

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

August, 1965 (Sravana 10—Bhadra 9, 1887 Saka)

ation	AGARTALA												AHMADABAD											
ime in I. S. T.	0530				1730				2330				0530*				1130				1730*			
t. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
urface . .	31	2·0	1·7	147	31	2·4	1·8	167	31	2·5	2·2	154	31	2·3	1·7	262	31	2·6	2·2	269	31	2·9	1·9	256
·15 a.g. .	25	6·1	5·2	156	25	5·4	4·1	175	27	6·6	6·1	169	31	6·9	5·6	280	31	4·7	3·8	248	31	5·5	4·0	261
·3 a.m.s.l. .	25	7·3	5·4	177	25	6·2	4·9	184	27	7·4	6·6	182	31	7·0	5·8	282	31	4·6	3·8	249	31	5·3	4·1	261
·6 ,, .	25	7·0	5·5	189	25	6·6	5·5	185	27	7·8	6·8	191	31	7·1	6·1	285	30	5·1	4·4	255	31	5·6	4.3	264
·9 ,, .	24	6·7	4·6	202	25	6·6	5·2	192	27	6·8	5·7	195	31	7·1	6·0	280	28	5·9	5·3	251	31	5·5	4·5	266
·5 ,, .	21	6·7	3·8	208	24	7·1	5·1	194	24	5·7	4·0	200	31	7·6	5·1	251	16	6·9	4·9	235	31	6·9	5·7	269
·1 ,, .	17	6·6	3·6	189	23	7·0	4·6	194	17	4·7	2·1	200	31	7·2	3·6	252	8	6·4	2·7	193	31	7·4	5·5	273
·0 ,, .	12	4·0	1·6	171	18	6·3	2·8	178	11	4·2	2·4	250	31	5·6	1·6	033	7	5·7	2·6	137	31	6·5	2·4	341
·6 ,, .	8	5·3	4·0	116	14	5·7	2·4	180	1	4·0	4·0	266	31	5·7	2·5	050	7	4.9	3.4	109	31	5·0	1·3	047
·5 ,, .	7	4·1	2·9	125	8	6·3	1·6	270					31	5·9	2·5	042	6	3·8	1·6	107	31	4·6	1·8	045
·4 ,, .	5	6·0	4·7	099	5	5·2	1·7	075					31	4·8	1·4	076	6	4·5	3·1	130	31	4·3	0·2	012
·0 ,, .	5	6·2	3·4	118	5	4·0	1·3	074					31	5·2	1·9	072	6	5·2	4·1	122	31	4·9	0·5	012
·2 ,, .	4	9·5	5·9	130	4	4·3	3·1	091					31	6·0	3·2	095	6	7·3	6·7	144	31	5·7	1·7	120
·0 ,, .	1	6·0	6·0	053	3	9·7	9·4	099					31	7·6	5·4	109	6	8·7	7·3	092	31	7·3	5·7	107

ation	AHMADABAD				ALLAHABAD/BAMHRAULI																AMBALA			
ime in I. S. T.	2330				0530*				1130				1730*				2330				0530			
t. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
urface . .	31	2·1	1·7	230	31	1·2	0·4	165	31	2·8	1·0	261	31	1·7	0·7	272	31	0·9	0·4	175	31	1·3	0·1	153
·15 a.g. .	31	6·1	5·3	236	31	8·1	3·7	257	30	5·6	3·1	275	31	6·9	3·3	270	30	6·7	2·5	226	28	5·4	1·4	333
·3 a.m.s.l. .	31	6·8	5·9	237	31	8·1	3·7	257	30	5·8	3·0	274	31	6·9	3·3	270	30	7·2	2·5	227	28	2·9	0·2	032
·6 ,, .	30	7·5	6·6	253	31	8·7	4·5	270	30	6·4	3·9	277	31	7·2	3·7	280	30	8·2	2·8	249	28	6·4	1·8	313
·9 ,, .	30	7·1	6·3	262	31	9·2	4·5	285	29	6·6	3·9	286	31	8·6	3·7	288	30	8·4	3·9	260	28	7·0	3·0	300
·5 ,, .	27	5·7	4·3	265	31	8·2	3·8	274	19	6·2	5·5	283	31	8·4	3·8	280	27	7·0	3·1	262	28	7·3	5·8	300
·1 ,, .	22	5·5	2·4	258	31	7·7	3·4	270	16	5·9	4·8	282	31	8·4	4·2	270	25	7·0	3·3	280	25	7·5	6·1	310
·0 ,, .	14	5·9	1·1	221	31	6·6	2·4	273	15	5·9	4·2	292	31	6·7	3·7	292	23	5·6	3·2	304	18	6·6	6·2	319
·6 ,, .	5	4·2	3·3	036	31	6·8	2·4	274	13	5·5	4·8	287	31	6·6	3·0	300	10	4·7	1·1	355	16	7·1	6·8	323
·5 ,, .	3	5.3	2·5	031	31	6·9	2·0	230	9	6·3	5·0	281	30	6·4	2·4	297	3	2·7	2·4	265	12	7·6	6·4	304
·4 ,, .	1	9.0	9·0	032	30	5·5	1·4	217	5	2·6	0·5	005	29	5·0	1·8	285					9	7·0	3·5	260
·0 ,, .	1	9·0	9·0	043	29	5·1	0·3	002	4	2·7	1·4	098	29	8·0	1·5	307					8	6·4	4·2	241
·2 ,, .					29	6·0	2·5	067	3	3·3	3·3	061	28	4·7	1·6	291					6	6·7	5·4	253
·0 ,, .					29	5·9	3·9	080					25	4·5	2·4	080					3	5·7	5·4	263

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

August, 1965 (Sravana 10—Bhadra 9, 1887 Saka)

Station	AMBALA												ANANTAPUR											
Time in I. S. T.	1130				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1·9	0·5	214	31	2·2	1·3	277	31	1·2	0·5	310	31	2·4	1·6	284	31	3·5	2·6	279	31	4·3	4·0	272
0·15 a.g. . .	30	3·4	1·0	223	31	5·2	3·1	285	31	5·5	2·6	320	30	7·0	5·6	256	31	6·4	4·6	274	30	10·2	8·4	265
0·3 a.m.s.l. .	30	2·7	0·8	212	31	2·8	1·6	274	31	2·4	1·0	324												
0·6 ,, .	30	4·2	1·0	218	31	5·0	2·7	292	31	6·0	2·8	317	30	7·9	6·6	257	31	6·8	5·1	275	30	10·6	8·7	266
0·9 ,, .	30	4·8	1·1	263	31	5·6	3·0	293	31	6·2	2·9	314	30	9·8	8·3	267	31	6·9	5·4	272	30	11·5	9·3	271
1·5 ,, .	27	6·2	3·0	302	31	5.6	3.5	298	31	6·6	3·3	305	29	9·1	6·8	271	31	7·8	5·9	273	30	8·8	6·4	279
2·1 ,, .	24	6·0	4·5	313	29	6·1	4·0	302	31	6·6	4·7	296	25	6·9	5·8	277	22	7·3	4·9	272	29	6·0	3·6	285
3·0 ,, .	19	6·7	5·9	309	23	6·5	4·4	300	26	6·0	3·9	313	17	5·4	4·0	248	12	5·7	2·3	263	11	5·0	3·2	291
3·6 ,, .	17	8·0	6·8	299	18	6·3	4·4	303	19	5·3	2·3	311	9	5·3	5·1	270	7	5·1	2·6	214	4	7·0	1·5	356
4·5 ,, .	10	8·2	5·3	296	11	6·8	4·3	289	11	4·0	1·2	286	5	3·8	3·4	290	3	5·0	3·4	288	1	9·0	9·0	127
5·4 ,, .	8	5·1	4·8	261	9	6·2	5·7	291	4	5·7	2·7	237	2	2·5	0·9	358	1	6·0	6·0	142				
6·0 ,, .	7	6·4	5·7	249	7	9·4	8·9	283	4	5·3	3·1	240	1	1·0	1·0	113								
7·2 ,, .	5	8·6	8·4	250	4	13·0	12.8	262	4	4·7	3·6	223	1	3·0	3·0	058								
9·0 ,, .	3	14·3	14·2	255	2	17.5	17·1	249	1	3·0	3·0	296	1	9·0	9·0	071								

Station	ASANSOL												AURANGABAD/CHIKALTHAN											
Time in I. S. T.	0530				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1·0	0·5	193	31	1·1	0·3	161	31	1·1	0·6	203	31	2·6	2·2	262	31	4·8	3·5	282	31	3·4	2·6	274
0·15 a.g. . .	29	4·9	2·4	239	26	4·8	1·8	174	29	4·9	2·6	211	28	6·9	5·3	261	30	7·2	5·3	288	28	8·0	5·7	284
0·3 a.m.s.l. .	29	5·1	2·8	244	26	5·1	1·8	188	29	5.0	2·8	213												
0·6 ,, .	29	6·0	3·6	264	26	5·8	1·4	189	29	6·7	3·5	224												
0·9 ,, .	26	6·3	4·2	273	26	6·2	1·0	224	27	6·3	2·8	222	28	8·0	6·0	266	30	7·2	5·6	291	28	9·6	6·5	289
1·5 ,, .	25	6·0	3·7	282	24	5·2	0·8	252	26	5·1	1·8	242	24	9·6	6·6	271	28	7·3	5·4	283	26	9·8	5·8	289
2·1 ,, .	23	5·0	2·5	280	24	5·8	2·1	278	25	2·5	1·9	271	19	8·2	6·0	259	21	7·2	5·3	276	21	8·2	4·5	275
3·0 ,, .	21	5·2	2·5	275	21	5·8	2·9	288	22	5·2	0·7	284	10	6·0	2·8	248	6	5·0	4·3	263	14	6·4	3·5	249
3·6 ,, .	17	4·8	2·7	251	18	5·1	2·7	282	15	5·8	1·3	125	8	6·0	1·5	325	1	4·0	4·0	254	7	5·0	1·0	327
4·5 ,, .	16	5·1	2·5	243	12	6·0	2·8	304	7	4·7	2·0	129	2	6·0	5·8	024					4	7·0	4·5	355
5·4 ,, .	15	3·5	0·1	270	7	5·2	0·9	279	3	4·7	4·2	100	2	3·0	2·1	031					1	3·0	3·0	134
6·0 ,, .	11	3·6	1·2	102	5	4·0	3.0	099	3	4·3	4·2	090									1	2·0	2·0	111
7·2 ,, .	4	4·0	1·9	127	2	8·5	7·3	106	1	7·0	7·0	086												
9·0 ,, .	2	9·0	8·3	122																				

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

August, 1965 (Sravana 10—Bhadra 9, 1887 Saka)

Station	BAHRAICH												BANGALORE											
ime in I. S. T.	0530				1130				1730				0530@				1130				1730@			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
face . .	31	1·5	0·9	087	31	2·6	1·1	099	31	1·9	0·8	101	31	3·5	2.6	264	31	4·1	3·1	269	31	3·0	1·8	279
5 a.g. . .	25	6·7	2·1	103	27	5·3	0·9	124	28	6·0	1·3	105	19	6.6	4·8	267	30	6·9	5·5	266	30	5·1	3·5	278
a.m.s.l. .	25	6.8	3.2	107	27	5.3	0·8	131	28	6.0	1.3	108												
„ .	24	9.9	0·8	200	27	6.5	0·9	121	28	7·1	1·1	113												
„ .	22	10·7	1·9	284	22	7·5	1·0	291	27	7·8	2·0	272												
„ .	19	11·3	5·3	305	17	9·2	3·4	289	23	8·7	4·4	274	16	7·8	5·4	278	25	7·0	5·3	271	30	6·2	4·6	266
„ .	6	12·0	2·7	306	5	11·2	9·5	285	12	9·0	6·6	274	14	6·4	3·4	282	8	5·8	5·3	282	25	5·7	4·8	275
„ .	1	8·0	8·0	112	1	14·0	14·0	280	4	6·7	2·1	272	12	6·1	2·0	251	1	3·0	3·0	255	18	5·4	3·2	285
„ .									2	5·0	4·5	144	10	6·0	2·8	235					17	5·5	2·9	273
„ .									2	5·5	5·1	155	9	7·4	2·4	181					17	4·7	1·9	257
„ .													7	8·1	3·0	139					15	4.4	0·7	280
„ .													7	6·3	2·6	138					15	4·6	0·8	093
„ .													5	7·2	4·3	099					15	4·5	2·8	085
„ .													3	7·7	3·6	099					12	8·2	7·5	095

Station	BANGALORE				BAREILLY								BEGAMPET											
ime in I. S. T.	2330				0530				1730				0530				1730				2330			
It. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
face . .	31	3.6	2·8	252	31	1·3	0·1	195	31	1·5	0·2	325	31	2·9	2·3	274	31	2·7	1·2	270	31	1·9	0 7	250
5 a.g. . .	28	7.2	6·0	259	28	5·8	0·9	255	30	5·8	1·7	327	30	6·7	5·3	273	30	4·9	2·4	276	28	5·1	2·0	230
a.m.s.l. .					28	5.3	0·8	253	30	5·4	1·6	321												
„ .					28	9·5	2·3	298	29	6·7	2·3	321	30	5.1	3·9	271	30	4·5	1·9	281	28	3·7	1·3	238
„ .					26	9·9	4·0	298	29	7·6	3·0	302	30	9·3	7·2	281	30	5·0	2·9	273	28	5·9	2.0	255
„ .	26	9·7	8·5	269	22	9·2	5·5	307	29	8·2	4·1	294	29	9·2	6·2	282	30	6·3	4·6	270	28	6·5	3·6	282
„ .	25	6·3	5·4	277	22	10·2	7·7	317	26	9·0	5·4	298	27	7·6	3·9	274	27	7·4	5·6	267	26	6·3	3·6	283
„ .	15	4·1	2·1	287	15	9·3	7·4	312	23	8·9	6·5	310	22	6·2	2·0	270	24	7·6	5·2	278	21	5·6	2·4	286
„ .	11	4·2	2·7	284	10	6·1	4·3	306	18	8·0	6·5	325	18	5·3	1·4	246	20	7·1	3·9	274	7	3·6	1·7	195
„ .	7	3·3	1·3	333	9	3·2	0·4	311	14	5·3	3·5	332	14	6·6	1·9	226	11	8·2	4·1	227	2	6·5	6.5	170
„ .	3	3·7	2·7	329	8	4·5	1·6	133	11	5·1	2·4	312	9	7·1	2·0	155	7	7·7	2·2	187	1	7·0	7.0	136
„ .	2	4.5	3.2	319	7	5·0	3·2	159	9	5·9	2·4	323	7	7·5	1·1	069	3	8·0	8·0	114	1	6·0	6·0	132
„ .	1	2.0	2.0	018	5	5·8	3.9	170	8	6·0	3·5	292	4	7·2	4·1	113	2	10·0	9·8	088				
„ .					3	3·7	3.5	245	6	4.7	3.2	281	1	3.0	3.0	022								

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

August, 1965 (Sravana 10—Bhadra 9, 1887 Saka)

Station	BHAGALPUR								BHOPAL/BAIRAGARH												BHUBANESHWAR			
Time in I. S.T.	0530				1730				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1·6	0·8	157	31	1·7	0·4	179	31	3·3	3·0	250	31	3·7	2·6	260	31	2·5	2·1	247	31	2·7	1·6	235
0·15 a.g. . .	28	5·6	2·9	138	28	4·4	0·8	009	31	8·7	7·7	263	30	6·3	4·5	263	26	7·4	6·2	258	28	5·7	3·5	230
0·3 a.m.s.l. .	28	6·0	2·0	197	28	4·7	0·7	190													28	6·3	4·3	228
0·6 ,, .	26	6·3	2·1	240	28	5·7	0·9	245	31	7·0	6·2	257	30	6·0	4·2	266	26	6·3	5·2	254	28	7·8	5·2	238
0·9 ,, .	23	6·3	3·3	262	28	6·3	2·0	249	31	10·1	9·3	277	30	6·1	4·6	273	26	8·5	7·3	266	27	7·6	4·7	256
1·5 ,, .	21	7·1	3·5	279	28	6·3	2·4	267	25	7·9	6·6	280	29	7·0	5·5	279	23	7·5	6·5	280	25	6·8	3·9	279
2·1 ,, .	18	6·9	2·4	286	23	6·2	3·2	275	23	5·7	3·4	269	24	7·0	4·4	286	22	6·2	3·9	265	25	6·1	3·5	273
3.0 ,, .	10	6·7	3·2	269	18	5·8	2·5	276	14	6·4	2·0	322	16	5·3	3·2	314	16	5·2	0·5	322	20	5.2	2·8	258
3·6 ,, .	7	5·1	1·1	227	10	4·2	0·7	215	10	5·3	1·9	353	10	4·7	2·1	311	10	5·3	1·2	044	14	4·4	1·0	251
4·5 ,, .	4	3·7	2·8	130	7	2·9	1·6	135	6	3·2	1·7	213	5	3·8	1·7	292	1	6.0	6.0	074	10	5.3	0·2	260
5·4 ,, .	2	3·0	1·7	099	5	2·2	1·0	139	3	3·7	2·6	067	1	3·0	3·0	195					5	6·6	4·6	092
6·0 ,, .	2	3·0	2·3	138	3	2·3	2·2	059	2	5·5	5·2	071	1	4·0	4·0	175					3	6·0	4·4	065
7·2 ,, .	1	5·0	5·0	205	1	2·0	2·0	315	1	13·0	13·0	095	1	3·0	3·0	173					2	9·5	9·2	085
9·0 ,, .					1	2·0	2·0	320													2	12·5	11·5	097

Station	BHUBANESHWAR								BHUJ/RUDRAMATA												BIKANER			
Time in I. S. T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	3·6	1·5	210	31	3·1	2·3	229	31	3·1	2·8	251	31	5·4	4·9	244	31	4·3	3·9	244	31	1·8	1·6	228
0·15 a.g. . .	26	5·7	2·8	222	28	5·0	4·5	220	31	7·6	7·3	253	30	8·8	8·5	245	30	7·2	6·9	243	30	8·0	7·0	230
0·3 a.m.s.l. .	26	5·8	2·6	222	28	6·0	4·3	226	31	8·1	7·8	255	30	8·6	8.3	243	30	7·4	7·1	247	30	6·2	5·4	236
0·6 ,, .	26	6·1	2·8	233	28	7·0	4·6	234	31	9·7	9·2	257	30	8·2	8·0	247	30	8.4	8·0	250	30	9·4	8·4	236
0·9 ,, .	25	5·8	2·5	262	28	8·0	4·4	252	29	9·4	8·9	251	30	8·1	7·6	250	28	8·2	7·8	247	30	7·8	6·9	230
1·5 ,, .	19	5·9	2·9	303	26	2·9	3·6	284	24	8·2	6·1	242	25	6·7	5·6	251	23	5·3	4·0	225	30	4·0	1·4	23
2·1 ,, .	15	5·5	2·6	302	22	6·3	3·9	300	14	6·4	1·5	169	19	4·8	1·3	295	19	5·0	0.6	047	30	3·7	1·1	26
3·0 ,, .	10	7·1	3·7	306	14	4·0	0·8	337	12	6.0	3·5	066	12	5·6	2·8	058	16	5·2	2·4	015	28	4·0	2·2	30
3·6 ,, .	8	5·7	3·4	306	5	5·4	1·9	034	4	2·2	0·7	300	12	6·4	3·7	060	1	1·0	1·0	232	28	4·6	2·8	33
4·5 ,, .	4	6·5	3·1	076					3	3·7	3·1	003	10	5·5	3.4	037					24	5·9	4·1	35
5·4 ,, .	2	9·0	8·7	064					2	3·5	1·7	342	8	3.9	1·4	034					22	5·4	1·5	3
6·0 ,, .	2	10·0	9·9	065					2	3·0	1·5	346	7	3·9	0·6	053					22	6·9	4·5	2
7.2 ,, .																					11	9·4	8·5	2
9.0 ,, .																					2	10·5	10·3	2

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

August, 1965 (Sravana 10—Bhadra 9, 1887 Saka)

Station	BIKANER								BOMBAY/SANTACRUZ															
Time in I.S.T.	1730				2330				0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	1·5	1·0	214	31	1.8	1·4	207	30	2·2	2·0	272	31	3·7	2·6	264	31	4·2	3·7	278	31	2·9	2·2	257
0·15 a.g.	31	5·5	3·2	219	30	9·0	7.3	208	30	6.2	3.9	248	30	5·4	3·8	255	31	6·9	5·8	269	29	5·8	4·3	257
0·3 a.m.s.l.	31	5·0	2·7	212	30	7·3	5·9	209	30	6·6	4·1	250	30	6·1	4·5	261	31	7·0	5·8	269	29	6·3	4·7	266
0·6 ,,	31	5·5	2·9	214	30	8·4	7·3	229	30	6·9	5·0	252	28	7·2	5·5	268	31	6·8	5·7	267	28	6·8	5.1	273
0·9 ,,	31	5·7	2·8	210	30	8·2	6·7	227	30	7·1	5·3	251	22	7·0	5·2	273	31	6·7	5·7	262	24	6·8	4·0	277
1·5 ,,	30	5·5	3·3	221	29	5·7	3·5	251	30	6·3	4·4	253	11	6·5	5·0	274	31	6·4	4·4	251	16	6·0	4·0	263
2·1 ,,	28	4·7	2·3	268	27	3·7	1·3	352	30	6·6	3·2	245	5	3·6	0·9	080	31	6·1	3·5	243	11	5·1	1·1	134
3·0 ,,	26	5·1	3·9	323	24	4·3	0·6	351	30	7·1	2·3	251	1	4·0	4·0	114	31	6·5	3·2	255	5	7·2	0·9	349
3·6 ,,	18	6·2	5·3	329	8	6·4	5·3	280	30	6·6	2.1	286	1	5·0	5·0	105	31	6·4	3·2	260	2	2·0	1·9	088
4·5 ,,	17	6·0	4·9	339					30	5·7	1·6	275	1	7·0	7·0	120	31	5·5	2·2	242	1	2·0	2·0	160
5·4 ,,	16	6·5	4·2	316					30	5·5	1·2	269	1	10·0	10·0	100	31	5·3	1·8	205				
6·0 ,,	13	7·6	5·7	285					30	5·4	0·1	354	1	12·0	12·0	090	31	5·2	1·6	151				
7·2 ,,	3	6·0	5·9	238					30	6·0	2·9	079	1	18·0	18·0	105	31	6·5	3·8	093				
9·0 ,,									30	9·5	8·3	079	1	20·0	20·0	100	30	10·1	9·4	077				

Station	CALCUTTA/DUM DUM																COCHIN/WILLINGDON†							
Time in I.S.T.	0530*				1130				1730*				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	1·0	0·7	203	31	2·1	1·2	174	31	1.4	0·9	191	31	1·4	1·2	182	31	0·4	0·2	333	31	2·9	2·6	292
0·15 a.g.	31	5·3	3·3	210	28	4·6	2·9	202	31	5·1	3·5	207	30	6·5	5·3	200	27	3·3	2·1	332	30	5·3	4·9	300
0·3 a.m.s.l.	31	5·9	3·9	222	28	5·4	3·2	213	31	5·4	3·6	213	30	7·7	6·3	209	27	5·0	4·3	311	30	6·4	6·0	298
0·6 ,,	31	6·5	3·6	236	27	6·1	3·5	220	31	5·6	3·3	214	30	8·1	6·3	216	27	7·8	7·4	304	30	8·5	8·1	300
0·9 ,,	31	6·5	3·5	240	21	5·6	2.6	235	31	5·2	2·3	227	30	7·4	4·8	223	27	8·8	8·4	302	30	9·0	8·7	301
1·5 ,,	31	5·6	2·9	257	14	5.4	1·9	252	31	5·3	1·7	237	25	6·3	2·8	225	26	9·1	8·8	300	30	9·2	8·6	301
2·1 ,,	31	5·8	2·4	271	6	4·7	0·7	281	31	5·1	1·7	257	20	5·2	1·8	267	23	9·1	8·6	298	28	8·7	8·5	304
3·0 ,,	31	5·5	2·0	263	1	1·0	1·0	170	31	5.6	1·7	261	9	4·9	1·6	265	6	6·0	5·7	312	15	7·1	6·7	310
3·6 ,,	31	5·2	1·5	259					31	5·5	1·2	289	1	4·0	4·0	315	1	5·0	5·0	290	5	4·6	3·3	307
4·5 ,,	31	4·7	0·6	265					31	5·2	0·2	230					1	5.0	5·0	290	2	5·5	5·5	170
5·4 ,,	31	4.9	0·7	174					31	5·1	0·2	014												
6·0 ,,	31	4·7	1·4	149					31	5·4	0·9	073												
7·2 ,,	31	5·0	2·5	119					31	5·7	1·6	094												
9·0 ,,	31	8·3	6·5	113					29	7·9	5·3	094												

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

August, 1965 (Śravana 10—Bhadra 9, 1887 Śaka)

Station	COCHIN/ WILLINGDON†				DEHRA DUN								DIBRUGARH/MOHANBARI											
Time in I. S. T.	2330				0530				1730				0530				1130				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1·6	1·5	320	31	0·3	0·1	003	31	0·9	0·7	292	31	1·2	0·8	062	31	1·0	0·3	036	31	1·3	0·9	053
0·15 a.g. .	23	4·5	4·0	313	23	1·4	0·7	083	27	3·3	1·8	284	22	4·7	2·8	077	23	2·8	1·6	013	25	3·1	1·6	069
0·3 a.m.s.l. .	23	6·0	5·5	308									22	4·9	2·6	073	23	3·0	1·5	012	25	3·2	1·6	073
0·6 ,, .	23	7·7	7·3	307									22	5·5	1·4	098	23	2·7	0·8	048	25	3·6	1·4	101
0·9 ,, .	23	8·9	8·4	306	22	1·5	1·0	090	27	3·2	2·0	284	22	5·5	0·9	165	23	3·2	0·6	223	25	4·1	0.9	188
1·5 ,, .	23	8·6	8·2	301	20	2·7	0·3	215	27	3·8	2·5	275	19	5·3	1·2	221	21	4·7	2·5	218	22	4.5	2·2	227
2·1 ,, .	18	8·2	7·9	300	17	4·5	2·1	290	13	5·4	2·1	285	17	4·7	1·5	231	15	4·4	2·1	205	20	5.4	3·7	221
3·0 ,, .	10	9·0	8·6	300	11	4·2	2·3	335	5	4·6	1·8	131	11	5·0	3·2	197	12	5·1	2·2	186	17	6·0	4·3	212
3·6 ,, .	2	6·5	6·3	295	8	4·1	3·2	310	2	4·5	1·1	176	5	5·6	1·2	360	5	4·4	2·7	178	10	6·5	4·6	216
4·5 ,, .					7	5·6	1·8	283	1	4·0	4·0	284					4	4·5	1·8	203	3	3·7	2·0	165
5·4 ,, .					6	5·3	2·4	210													3	3·7	2·3	190
6·0 ,, .					5	6·2	1·5	189													3	3·7	3·4	256
7·2 ,, .					4	1·3	1·3	330													1	1·0	1·0	137
9·0 ,, .					1	10·0	10·0	255																

Station	DIBRUGARH/ MOHANBARI				GADAG												GANGTOK							
Time in I. S. T.	2330				0530				1730				2230				0830				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1·3	1·1	041	31	4·0	3·2	247	31	5·6	4·6	254	31	4·2	3·6	254	31	0·4	0·4	030	31	0·2	0·1	225
0·15 a.g. . .	23	4·0	3·3	067	31	8·4	7·0	252	30	9·6	8·2	251	29	9·3	8·3	256	6	2·3	2·1	345	7	2·3	1·1	142
0·3 a.m.s.l. .	23	3·8	2·5	039																				
0.6 ,, .	23	3·8	1·9	085																				
0·9 ,, .	23	3·3	1·1	124	31	9·8	7·9	265	30	10·4	8·6	255	29	10·3	8·8	264								
1·5 ,, .	22	4·2	2·6	202	23	10·4	7·8	275	30	9·3	7·1	263	28	10·3	8·3	275								
2·1 ,, .	18	4·2	2·8	208	19	7·8	4·8	279	27	7·9	5·1	269	28	7·8	5·7	278	6	1·7	1·1	322	7	2·4	1·5	167
3·0 ,, .	11	5·2	4·3	198	17	5·6	2·2	245	19	7·1	2·0	244	24	5·9	3·1	278	6	1·5	0·5	257	4	1·7	0·5	250
3·6 ,, .	6	7·0	6·7	222	13	6·7	3·5	245	15	7·2	2·1	189	21	5·5	2·4	249	5	1·8	0·9	013	2	1·0	1·0	135
4·5 ,, .					10	6·8	2·2	252	8	5·6	3·2	155	18	5·7	1·7	232	3	3·0	1·4	067	2	1·0	0·9	081
5·4 ,, .					5	6·6	1·9	133	6	5·2	4·4	116	13	4·7	1·1	139	3	3·0	2·2	109				
6·0 ,, .					4	7·5	6·1	107	6	5·5	4·9	098	6	5·7	3·0	063	3	3·3	3·3	151				
7·2 ,, .					3	9·7	9·2	093	3	9·7	9·6	082	1	14·0	14.0	085	3	3·3	2·3	125				
9·0 ,, .					1	11·0	11·0	075	1	11·0	11·0	085					3	6·7	4·3	152				

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

August, 1965 (Sravana 10—Bhadra 9, 1887 Saka)

Station	GAUHATI																GAYA							
Time in I.S.T.	0530*				1130				1730*				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	0·4	0·4	060	31	1·9	1·4	028	31	0·9	0·2	278	31	1·3	0·2	155	31	2·5	1·1	208	31	2·6	0·3	233
0·15 a. g.	24	1.6	0·3	028	28	3·3	2·3	038	30	2·6	1·0	277	31	2·5	0·1	264	25	5·8	3·3	220	30	4·6	0·9	220
0·3 a.m.s.l.	24	1·7	0·4	028	28	3.4	2·1	060	30	3·0	1·0	266	31	2·8	0·6	316	25	6·2	3·8	234	30	4·9	1·3	221
0·6 ,,	24	2·5	0·5	100	28	4·0	2·0	072	30	4·3	1·4	264	31	3·6	0·8	313	24	7·3	5·6	262	30	5·7	1·4	250
0·9 ,,	23	4·4	1.3	224	26	4·5	1·6	097	30	5·2	2·1	246	30	4·4	1·7	238	24	7·3	5 3	272	29	6·3	2·0	260
1·5 ,,	22	6·6	3·2	220	24	5·6	1·9	156	30	7·2	3·8	244	29	5·8	3·2	228	22	6·9	3·9	281	28	7·2	3·9	268
2·1 ,,	20	6·6	2·6	233	21	6·8	2·6	171	29	7·4	4·3	242	23	5·5	2·8	217	21	6·7	3·3	283	25	7·7	5·1	268
3·0 ,,	19	5·7	2·2	203	15	6·6	2·2	142	24	7·6	4·2	238	15	5·5	2·2	187	19	6·1	2·7	261	22	7·5	4·1	285
3·6 ,,	17	5·4	2·3	220	10	5·1	3·3	141	22	7·5	3·8	235	4	4·0	1·7	105	16	6·1	3·4	256	21	7·5	4·1	289
4·5 ,,	16	5·0	2·0	204	7	4·9	4·2	121	20	6·3	3·1	215	2	2·5	1·2	230	9	6·7	4·0	239	14	6·5	3·2	276
5·4 ,,	14	4.9	1·9	266	5	3·0	2·0	104	19	5·7	2·3	232					6	6·3	1·5	213	10	6·7	2.8	273
6·0 ,,	14	4·6	1·2	245	5	3·4	0·7	049	19	5·7	1·6	214					5	5.2	2·9	121	10	6·5	3·4	295
7·2 ,,	13	4·7	0·8	253	4	3·7	2·8	207	19	5·6	1·8	162					2	5·0	4·5	113	5	4·2	2·3	301
9·0 ,,	12	6·3	0·9	242	2	6·0	3·5	144	17	6·6	3·0	051					1	16·0	16·0	120	2	3·0	1·5	132

Station	GAYA				GOA/DABOLIM												GOPALPUR							
Time in I.S.T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	2·4	1·1	197	31	5.5	3.3	278	31	7·5	6·4	265	31	6·0	3·8	269	31	1·3	1·0	214	31	2·7	2·0	202
0·15 a. g.	29	6·5	3·0	196													28	5·8	3·9	228	25	7·5	5·8	196
0·3 a.m.s.l.	29	6·8	3·3	198	26	7·0	4·5	289	28	8·2	6·1	276	20	7·1	5·0	280	28	6·2	4·5	231	25	7·3	5·6	202
0·6 ,	29	7·3	2·4	210	24	9·4	6·8	285	28	9·8	7·9	280	20	9·4	7·1	279	28	7·0	4·7	236	25	6·4	4·1	211
0·9 ,,	28	7·5	3·1	244	20	9·0	6·1	278	25	10·2	7·7	283	18	10·6	9·3	288	28	6·9	4·3	242	25	5·2	2·5	230
1·5 ,,	26	7·4	3·3	259	14	9·3	4·9	287	18	8·1	5·4	267	8	9·6	5·3	277	26	6·0	3·3	287	23	5·7	2·5	291
2·1 ,,	26	8·1	3·8	282	5	7.7	4·2	276	4	8·3	4·9	130	1	9·5	9·5	310	21	6·0	4·0	293	23	5·9	2·9	283
3·0 ,,	18	6·2	1·6	269	1	6·0	6·0	290	3	10·2	6·4	133					11	5·9	3·7	286	20	5·2	2·0	291
3·6 ,,	3	3·0	2·5	279					2	9.5	5.5	195					8	4·6	1·7	292	16	6·4	2·1	289
4·5 ,,																	5	4·4	1·3	015	12	5.6	0·8	117
5·4 ,,																	3	6·3	4·9	072	10	3·5	1·3	099
6·0 ,,																	2	8·5	8·5	093	9	4·3	2·7	091
7.2 ,,																	1	13·0	13·0	085	2	6·0	6·0	097
9·0 ,,																					2	12·0	11·7	087

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

August, 1965 (Sravana 10—Bhadra 9, 1887 Saka)

Station	GOPALPUR				GORAKHPUR								GWALIOR											
Time in I.S.T.	2330				0530				1730				0530				1130				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1.9	1·8	215	31	1·1	0·4	087	31	1·2	0·1	083	31	2·2	1·4	262	31	2·8	1·8	286	31	2·3	1·2	285
0·15 a. g. .	28	6·0	4·7	213	21	6·1	1·4	250	30	5·2	0·7	200	30	7·6	4·7	269	31	4·9	3·2	291	30	4·7	2·3	285
0·3 a.m.s. l. .	28	6·3	4·8	220	21	7·5	2·1	260	30	5·7	0·8	178	30	6·2	3·9	265	31	4·7	3·1	289	30	4·3	2·1	279
0·6 ,, .	28	5·4	3·5	231	21	10·2	4·0	279	30	6·7	0·9	193	30	9·2	5·8	283	31	5·3	3·5	293	30	5·2	2·7	287
0·9 ,, .	28	5·2	2·7	251	19	11·7	4·7	278	29	7·3	2·2	245	29	8·6	5·6	291	30	5.3	3.5	294	30	5·7	3·0	296
1·5 ,, .	25	5·2	3·0	296	16	10·4	3·7	278	26	9·0	2·5	258	27	5·6	2·4	309	25	4·6	2·1	297	26	6·2	3·3	303
2·1 ,, .	17	5·0	4·0	285	14	10.2	3·6	283	20	8·1	4·0	251	26	5·1	2·6	341	21	3·8	1·7	307	25	5·9	3·5	311
3·0 ,, .	12	4·6	3.7	285	10	9·5	2·2	300	16	7·6	2·7	269	25	5·4	2·9	346	20	4·7	1·9	324	21	6·3	5·3	323
3·6 ,, .	1	2·0	2·0	267	6	8·2	2·9	266	12	6·2	1·0	251	23	5·3	2·7	338	19	5·1	2·8	328	16	6·1	5·5	328
4·5 ,, .					2	5·0	1·0	120	9	4·2	1·0	105	22	4·3	1·9	294	15	3·7	2·5	314	13	4·8	3·5	319
5·4 ,, .					2	4·5	2·5	130	5	5·0	2·5	100	20	5·1	2·2	250	13	3.6	2.0	251	12	3·8	3·3	272
6·0 ,, .					1	9.0	9.0	145	3	7·0	3·7	157	20	4·9	2·7	245	11	3·5	2·7	237	12	3·1	2·5	282
7·2 ,, .					1	11·0	11·0	150					14	3·9	0·8	159	10	3·0	1·4	153	11	2.3	0.5	320
9·0 ,, .													11	4·2	2·6	085	6	2·8	2·1	095	9	4·1	2·6	082

Station	GWALIOR				IMPHAL/TULIHAL																JABALPUR			
Time in I. S.T.	2330				0530				1130				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1·5	0·5	230	31	0·9	0·6	061	31	1·0	0·3	192	31	2·6	0·6	237	31	0·5	0·2	207	31	1·0	0·8	234
0·15 a. g. .	31	6·2	2·5	252	26	2·1	1·0	082	30	2·0	0·5	231	26	4·4	1·3	273	30	2·6	0·1	119	28	6·1	4·9	246
0·3 a.m.s.l. .	31	5·1	2·1	244																				
0·6 ,, .	31	7·5	2·8	262																	28	7·0	5·9	256
0·9 ,, .	31	7·6	3·3	277	26	1·9	1·0	073	30	1·9	0·4	226	26	4·4	1·4	273	30	2·4	0·1	093	28	9·4	7·8	279
1·5 ,, .	29	6·5	3·0	286	26	4·0	1·8	220	30	3·6	1·7	196	26	4·6	1·5	210	30	4·5	1·5	223	26	8·2	6·9	285
2·1 ,, .	27	5·4	2·0	323	22	5·8	3·3	235	26	6·2	2·9	215	26	6·4	2·7	222	24	6·1	3·1	214	23	6·1	4·1	289
3·0 ,, .	21	6·2	3·5	347	13	7·8	3·9	222	14	6·4	3·4	211	21	6·3	2·6	190	12	6·5	4·2	158	18	5·7	1·7	284
3·6 ,, .	8	5·4	3·5	352	6	6·7	4·5	226	9	4·8	2·5	193	15	6·1	3·2	180	11	4·4	2·0	185	14	4·1	1·8	322
4·5 ,, .	1	5·0	5·0	360	4	5·3	4·5	252	5	5·4	3·7	179	13	4·8	2·7	167	2	5·5	4·0	184	10	3·2	0·7	159
5.4 ,, .					1	6·0	6·0	240					6	3·3	1·8	154					7	4.1	3.1	096
6·0 ,, .													3	2·0	1·5	117					6	5·7	5·5	080
7·2 ,, .													1	3·0	3·0	056					4	6·5	5·9	090
9·0 ,, .													1	6·0	6·0	094					4	7·3	7·1	094

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 Km. above mean sea level

August, 1965 (Sravana 10—Bhadra 9, 1887 Saka)

Station	JABALPUR								JAGDALPUR												JAIPUR/SANGANER			
Time in I.S.T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1·3	0·6	256	31	1·0	0·8	199	31	0·7	0·6	223	31	1·6	1·1	234	31	0·7	0·4	208	31	1·0	0·6	312
·15 a. g. .	29	5·1	2·8	253	30	6·7	5·2	236	29	5·0	4·3	228	24	4·5	2·8	235	28	4·2	2·7	235	31	6·5	4·0	288
·3 a.m.s.l.																								
·6 „ . .	29	5·3	3·0	253	30	7·2	5·7	240	29	2·6	2·3	225	24	3·2	1·9	229	28	3·2	1·9	226	31	7·5	4·9	287
·9 „ . .	29	6·0	3·7	271	30	7·6	5·7	261	29	6·5	5·4	244	24	5·3	3·4	251	28	5·0	2·9	255	31	8·0	5·9	285
·5 „ . .	29	7·1	4·9	289	30	7·4	5·2	289	28	6·5	4·9	281	23	6·3	4·7	279	28	5·9	3·9	285	30	4·6	2·3	298
·1 „ . .	27	8·1	5·2	290	26	6·8	5·0	303	26	6·9	5·1	296	21	8·1	5·8	280	25	5·8	3·5	300	27	3·7	1·1	005
·0 „ . .	17	6·6	3·8	285	23	5·6	3·2	320	10	5·4	4·0	298	13	7·4	4·9	258	24	5·2	3·4	285	25	4·7	2·3	341
·6 „ . .	12	5·6	3·3	334	16	4·2	1·4	347	14	5·6	2·2	298	10	6·7	4·4	245	12	4·7	3·4	268	24	4·5	2·7	335
·5 „ . .	7	3·6	1·3	342	4	4·0	3·2	122	8	5·3	1·3	078	7	5·9	2·9	207	6	4·2	1·6	208	18	4·5	2·9	313
·4 „ .	4	4·0	0·7	112	1	6·0	6·0	106	7	6·0	0·5	308	4	6·0	1·0	130	4	4·7	4·4	257	14	4·6	2·7	287
·0 „ . .	3	3·7	3·0	003					5	6·4	1·9	072	3	8·7	2·3	175	2	1·5	1·3	164	11	5·0	2·0	243
·2 „ . .	2	3·5	2·8	147					3	12·3	1·7	099	2	15·0	6·7	238					9	5·0	2·1	185
·0 „ .	1	4·0	4·0	065					2	18·5	5·5	229									5	4·4	1·0	148

Station	JAIPUR/SANGANER								JAMSHEDPUR								JHARSUGUDA							
Time in I.S.T.	1730				2330				0530				1730				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1·8	1·0	275	31	1·2	9·5	276	31	1·1	0·7	220	31	2·2	0·1	199	31	1·8	1·1	221	31	2·0	1·2	217
·15 a. g. .	28	4·9	2·4	267	31	8·2	3·9	272	29	3·7	2·6	229	28	4·4	1·2	216	30	4·9	3·0	224	25	3·5	2·4	230
·3 a.m.s.l. .									29	3·9	2·7	232	28	4·6	1·4	222	30	4.0	2·4	218	25	3·5	2·4	226
·6 „ . .	28	5·1	2·6	262	31	8·9	4·2	272	29	6·1	4·5	249	28	5·3	1·6	221	30	6·8	4·2	255	25	4·9	2·6	258
·9 „ . .	28	5·6	3·0	275	31	8·6	3·7	269	29	7·2	5·3	272	28	5·4	1·4	208	30	7·7	5·1	266	25	5·8	3·2	271
·5 „ . .	28	5·2	3·2	287	31	6·3	2·8	262	25	6·7	3·9	278	23	4·8	1·3	202	27	7·3	4·9	295	24	6·5	3·4	292
·1 „ . .	28	5·1	2·9	302	30	5·2	1·8	290	21	5·2	2·1	313	15	3·5	1·7	259	25	7·0	4·2	302	21	6·3	2·5	299
·0 „ . .	22	5·1	3·9	327	21	4·3	2·8	343	17	6·3	2·9	285	9	5·5	5·1	266	17	4·8	0·9	320	17	4·9	2·1	323
·6 „ . .	18	6·4	5·3	343	11	5·9	3·9	355	8	4·4	1·5	268	6	5·7	4·7	273	11	6·0	0·3	272	12	4·2	2·2	311
·5 „ . .	13	5·5	5·1	299					5	5·6	2·4	291					6	5·2	2·9	088	9	3·9	1·6	075
·4 „ . .	9	7.0	5·2	303					2	4·0	3·4	088					4	3·7	3·2	078	6	4·7	1·9	011
·0 „ . .	6	6·2	5·4	280					2	4·0	3·5	386					3	5·0	4·6	101	6	4·7	2·8	059
·2 „ . .	6	5·0	4·9	279					2	4·5	4·3	078					1	6·0	6·0	069	3	5·3	4·9	072
·0 „ . .																					1	3·0	2·4	025

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

August, 1965 (Sravana 10—Bhadra 9, 1887 Saka)

Station	JHARSUGUDA				JODHPUR																LUCKNOW/AMAUSI			
Time in I.S.T.	2330				0530*				1130				1730*				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	1·4	0.8	182	30	3.2	2·6	241	31	3·2	2·7	228	31	4·1	3·5	227	31	2·8	2·5	230	31	3·1	0·5	26
0·15 a. g.	28	4 4	3.3	206	30	6.6	5·4	245	31	5·5	4·6	230	31	5·2	3·1	221	28	9·1	8·4	235	25	6·9	2·5	26
0·3 a.m.s.l.	28	4·1	2.7	194	30	6.8	5·6	243	31	5·1	4 3	228	31	5·1	3·1	221	28	7·0	6·4	234	25	7·5	3·1	28
0.6 ,,	28	6·4	3·6	232	30	7·0	5·8	240	29	6·0	5·4	223	31	5·5	3·3	218	28	10·4	9·4	235	24	10·0	4·6	29
0·9 ,,	27	6·4	3·9	245	30	7·4	6·3	234	28	6·4	5·7	221	31	5·9	3·7	215	28	9·6	8·9	237	21	10·1	6·3	29
1·5 ,,	27	6·1	4.0	266	30	6 0	4·1	222	22	6·5	5·4	228	31	5·7	3·5	221	28	7·9	5·9	233	21	9·7	5·4	29
2·1 ,,	24	6·4	3·6	279	29	4·1	1·1	187	14	5·6	2·7	231	29	4·0	1·8	260	25	5·2	1·8	197	17	9·7	6·7	30
3.0 ,,	17	5·4	1·4	303	28	4.0	1.9	031	9	5.4	2·0	153	29	4 7	2 0	334	19	5·0	1·8	018	12	9·2	6·4	32
3.6 ,,	3	3·3	1·7	337	27	4·3	2·5	006	9	6·0	1·1	107	29	5·0	2·7	345	3	5·0	4·9	066	9	8·3	6·2	30
4·5 ,,					27	5 3	4·1	017	8	5·6	1.7	035	29	4·9	3·0	358	1	5·0	5·0	080	5	8·2	5·5	26
5·4 ,,					27	4·2	1·9	353	7	4·3	0·6	288	29	5·0	2·2	299					4	5·2	4·4	23
6·0 ,,					27	4·9	1.2	259	6	5·0	1·8	227	29	5·2	3·6	270					4	8 0	2·1	24
7·2 ,,					27	5.0	2·9	221	6	5·0	2·7	233	29	4·4	3·0	243					2	9 0	7·7	23
9·0 ,,					27	3.9	1·8	187	5	7·0	3·9	202	29	5·0	2·9	168								

Station	LUCKNOW/AMAUSI								MADRAS/MINAMBAKKAM															
Time in I.S.T.	1730				2330				0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	4·4	0·9	274	31	2·0	0·6	162	31	4·5	3·3	297	31	3·3	2·1	291	31	3·2	2·1	132	31	3·3	2·9	17
0·15 a.g.	31	6·9	1·7	274	29	6·9	1·3	238	31	7·0	5·3	266	31	4 6	3·3	274	31	4 6	2 9	136	28	7·2	6·1	18
0·3 a.m.s.l	31	6·8	1·8	275	29	7·3	1·5	237	31	7·9	6·2	268	31	5·2	3·8	277	31	4·4	2·0	158	28	7·6	6·4	18
0 6 ,,	31	7·6	2·2	291	29	8·3	1·9	265	31	9 5	7·4	277	31	6·3	4 5	219	31	3·8	1·5	250	28	7·0	5·3	19
0 9 ,,	30	7·3	2·1	290	27	7·9	3·7	274	31	9·1	7·1	282	30	7·1	5·5	299	31	4·2	2·4	278	28	5·9	3·8	22
1·5 ,,	29	7·9	3·6	297	26	8·5	4·1	286	31	8·1	5 9	288	28	7 0	5·7	299	31	5·3	4·0	288	28	5·7	3·7	27
2·1 ,,	27	7·5	4·4	308	24	8·2	2·9	301	31	6·6	3·4	292	28	6 4	4·5	288	31	6·5	4·5	290	25	6·6	4 0	29
3·0 ,,	17	8·7	5·3	321	15	6·4	2·4	303	31	6·5	2·7	300	23	5·7	4·3	282	31	6·6	3·7	302	23	6·7	2·5	29
3·6 ,,	12	7·8	5·2	330	7	5·6	2·5	024	31	6·2	1·6	284	22	5 8	3·0	282	31	6·2	2·6	298	15	4·9	0·8	33
4·5 ,,	10	5·9	4·3	306	1	7·0	7·0	108	31	7·4	1·2	240	15	4·9	0·9	247	31	6 5	1·6	278	6	5·2	1·5	12
5·4 ,,	7	6·7	5·0	287					30	7·5	1 3	117	13	6·2	2·6	117	81	7·1	0·3	008	3	4·0	3·3	11
6.0 ,,	6	6.7	3.9	280					30	8·0	2 4	100	9	5 6	2·0	118	31	6·7	1·1	126				
7·2 ,,	2	5·0	5·0	006					29	7·3	4·1	092	3	4.0	1·8	165	30	6·2	2·8	097				
9·0 ,,									29	8·9	8·1	098	2	7 5	6·9	092	30	8·2	5·9	096				

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

August, 1965 (Sravana 10—Bhadra 9, 1887 Saka)

Station	MANGALORE/BAJPE												MINICOY											
Time in I.S.T.	0530				1730				2330				0530				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	0·7	0·2	026	31	3·8	3·0	286	31	1·7	0·7	275	31	5·4	5.0	286	31	5·4	5·0	289	31	6·2	5·8	281
0·15 a. g. .	17	3·8	1·8	280	26	6·8	5·6	287	24	4·8	3·6	286	30	8·4	8·1	296	31	8·4	8·1	296	31	9·4	9·2	287
0·3 a.m.s.l. .	17	4·3	2·5	270	26	7·1	6·0	286	24	5·4	4·1	286	30	8·8	8·5	295	31	9·0	8.7	295	31	9.8	9.6	289
0·6 ,, . .	17	6.8	4·9	281	25	7·6	6·3	292	23	7·0	5·7	290	29	10·5	10·2	297	29	9·8	9·6	298	31	10·5	10·3	294
0·9 ,, . .	15	7·0	5·6	275	20	8·8	7·0	289	22	7·7	6·5	289	29	11·5	11·3	299	28	11·0	10·7	301	31	10·8	10·7	296
1·5 ,, . .	8	7·7	6·8	275	9	7·0	4·1	275	15	7·2	5·1	294	24	10·8	10·6	300	21	10·4	10·3	300	31	10·4	10·1	295
2·1 ,, . .	7	8·0	6·6	277	6	7·7	3·4	248	9	7·2	4·1	281	19	8·6	8·5	300	19	10·1	9·9	300	31	9·3	9·0	292
3·0 ,, . .	2	5·5	4·7	281	4	7·0	4·7	209	5	5·6	4·6	310	16	7·9	7·8	295	12	7·7	7·5	298	31	7·6	7·4	292
3·6 ,, . .	1	6·0	6·0	250	3	8·0	4·7	195					11	6·9	6·8	288	7	6·0	5·5	304	31	7·5	7·0	287
4·5 ,, . .					2	5·0	2·3	251					7	6·0	5.2	274	7	5·6	3·6	286	31	6·2	5·6	281
5·4 ,, . .					1	11·0	11·0	270					6	5.2	4.2	298	4	5·0	0·5	003	31	5·7	2·7	303
6·0 ,, . .					1	3.0	3·0	235					5	4·6	2·7	310	4	4·5	0·9	002	31	6·3	2·6	320
7·2 ,, . .													3	5.3	3.5	327	2	4·0	2·0	073	31	5·8	2·4	035
9·0 ,, . .													3	9.0	6.0	112	2	6·5	5·7	099	31	8·3	6·7	088

Station	MINICOY				NAGPUR/SONEGAON																NEW DELHI/ SAFDARJUNG			
Time in I.S.T.	2330				0530*				1130				1730*				2330				0530*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	5·7	5·3	296	31	0·8	0·7	297	31	2·5	2·1	285	31	1·6	1·3	280	31	1·4	0·9	284	31	2·6	1·6	274
0·15 a. g. .	29	7·5	7·3	296	31	5·0	3·9	283	31	5·1	4·1	273	30	4·7	3·2	286	31	5·5	3·1	291	31	7·2	3·1	265
0·3 a.m.s.l. .	29	8.1	7·8	297																	31	5·9	·1	271
0 6 ,, . .	28	9·1	8·9	301	31	5·4	4·2	285	31	4·9	3·8	274	30	4·3	3·1	285	31	6·0	3·3	286	31	8·5	4·0	275
0·9 ,, . .	24	9·5	9·3	300	31	6·3	4·7	282	31	5·4	4·1	276	30	4·3	3·2	283	31	6·0	3·6	277	31	8·5	4·1	294
·5 ,, . .	23	9·6	9·3	306	31	6·2	4·3	283	23	5·7	4·3	278	30	5·1	3·5	284	29	5 8	3·5	270	31	7·6	2·9	325
·1 ,, . .	14	7·6	7·4	302	31	5·5	3·4	283	15	6·8	5·3	295	30	5·9	3·7	289	27	5·6	3·3	275	31	7·4	4·2	330
·0 ,, . .	7	5·6	5·4	296	31	4·8	2·3	265	10	6·6	4·8	290	30	6·0	4·0	286	23	5·4	2·6	292	31	7·2	4.5	330
·6 ,, . .	2	3·5	2·9	291	31	5·0	1·7	288	4	5·2	5·1	258	30	5·6	3·6	286	10	4·7	2·1	285	31	6.7	4.9	320
·5 ,, . .	2	2·5	1·5	312	31	4·5	1·2	301	3	4·6	2·9	247	30	5·3	3·0	284	7	4·6	1·2	298	31	6·1	4.4	306
·4 ,, . .	1	4·0	4·0	315	31	4·8	0·7	277	2	5·0	1·9	037	30	4·3	1·4	275	5	4·0	2·0	069	31	4·4	2.4	247
·0 ,, . .	1	3·0	3.0	315	31	4·5	0·1	319	1	6·0	6·0	065	30	4·2	0·9	287	3	2.7	1·5	081	31	5·3	2.7	230
·2 ,, . .					31	4·4	1·3	081	1	8·0	8·0	070	30	4·8	1·7	095					31	5·7	4 2	246
·0 ,, . .					31	5·9	4·3	268	1	14·0	14·0	090	30	6·3	4·8	088					31	5.3	3.6	247

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 Km. above mean sea level

August, 1965 (Sravana 10—Bhadra 9, 1887 Saka)

Station	NEW DELHI/SAFDARJUNG												POONA											
Time in I. S. T.	1130				1730*				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	5·4	3·2	277	31	2·7	1·1	284	31	2·6	0·8	249	31	0·6	0·6	263	31	3·1	2·8	269	31	0·4	0.4	263
0·15 a. g. .	28	6·9	3·8	281	31	5·4	2·2	305	31	7·2	1·9	248	30	5·0	4·2	263	30	6·7	5·9	258	29	5·1	4·7	265
0·3 a.m.s.l. .	28	6.9	4.0	283	31	3.9	1.8	288	31	5.1	1.5	255												
0·6 „ . .	28	7·4	3·4	282	31	5·5	2·0	309	31	8·0	2·8	261	30	2·7	2·1	256	30	4·5	4·0	265	29	2·4	2·2	263
0·9 „ . .	27	7·7	4·1	286	31	5·0	1·8	316	31	7·8	3·5	265	30	6·5	5·1	266	30	7·6	7·0	265	29	6·3	5·7	269
1·5 „ . .	25	6·8	4·7	298	31	5·6	3·0	305	27	8·2	5.1	287	15	8·3	5·4	269	20	8·3	5·9	266	19	8·3	6·3	280
2·1 „ . .	22	6·6	4·0	303	31	6·4	4·1	308	24	7·6	4·8	297	9	6·6	2·9	200	10	6·2	2·0	245	17	7·6	2·9	271
3·0 „ . .	17	8·0	6·4	305	31	7·9	5·6	330	11	6·1	3·1	316	5	4·6	1·7	085	6	5·5	1·4	126	11	6·3	2.5	070
3·6 „ . .	14	9·1	9·0	302	31	7·9	5·6	326	2	6·0	1·1	320	3	4·3	3·8	126	5	4·4	1·7	135	8	6·8	2·6	070
4·5 „ . .	9	11·4	8·7	295	31	6·5	4·4	325									3	2.3	1.8	198	2	3·5	0·9	180
5·4 „ . .	8	6·0	3·6	249	31	6·0	3·7	290									2	4.5	4.5	120				
6·0 „ . .	7	8.1	1.1	287	31	6·9	5·0	266																
7·2 „ . .	4	10·5	9.7	236	31	7·4	6·1	253																
9·0 „ . .	2	6·5	6·1	247	31	5.6	4·7	248																

Station	PORT BLAIR																RAIPUR							
Time in I.S.T.	0530*				1130				1730*				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	5·3	4·8	219	31	5·2	3·9	234	31	4·8	4·3	219	31	3·7	2·7	230	31	2·0	1·7	226	31	2·3	1·4	254
0·15 a. g. .	31	7·5	6·7	221	27	6·1	5·2	217	30	6·6	5·9	223	29	6·8	5·9	224	30	7·7	6·5	247	30	5·8	3·8	259
0.3 a.m.s.l. .	31	7·6	6·8	222	27	7·2	6.3	222	30	6.8	6.0	223	29	7·7	6·8	225								
0·6 „ . .	31	9·3	8·2	228	26	8·7	7·8	223	30	8·2	7·1	232	28	8·5	7·3	229	29	9·0	7·4	258	30	6·8	4·8	265
0·9 „ . .	31	9·4	8·2	233	19	7.9	6·8	228	30	8·9	7·7	235	27	8·1	7.0	232	29	8·5	6·6	268	30	6·6	4·6	263
1·5 „ . .	31	8·7	7·1	234	13	7·9	6·0	223	30	8·9	7·3	237	22	7·8	5·5	221	28	7·7	5·8	283	29	7·6	5·3	274
2·1 „ . .	31	7·7	5·6	233	6	8·5	5·3	225	30	7·4	5·5	239	17	6·8	3·1	238	25	7·0	5·1	296	28	7·7	5·2	280
3·0 „ . .	31	7·9	4·6	232	2	7·5	6·1	132	30	7·3	4.0	235	13	5·7	4·0	136	20	6·5	4·3	305	22	7·2	3·6	284
3·6 „ . .	31	7·8	3·7	230	1	8·0	8·0	090	30	7·5	4·0	231	5	5·2	3·9	138	16	6·1	2·9	308	18	7·1	3·4	278
4·5 „ . .	30	7·7	3·0	227	1	7·0	7·0	080	30	8·1	2·7	219	4	7.5	4·6	121	11	5.3	1.3	104	12	6·9	2·5	279
5·4 „ . .	29	7·3	1·6	205					29	8·9	1.5	201	3	6·7	6·5	132	10	5·0	2·8	099	8	5·5	2·2	066
6.0 „ . .	29	7·7	1·9	218					29	8·3	6·9	216	3	4·7	4·2	130	8	4·7	3·3	096	5	4·0	3·5	065
7.2 „ . .	29	6·6	2·1	141					29	7·4	1·3	120	2	5·0	4·3	092	8	6·7	5·6	085	2	3.5	3.2	091
9.0 „ . .	29	8·2	6·7	082					29	7·1	4·4	067					4	6·0	5·8	098				

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 Km. above mean sea level

August, 1965 (Sravana 10—Bhadra 9, 1887 Saka)

Station	RAIPUR				RAXAUL								SRINAGAR								TIRUCHCHIRAPPALLI			
Time in I.S.T.	2330				0530				1730				0530*				1730*				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	2·4	1·6	225	31	1·4	1·1	089	31	1·6	0·9	106	9	0·1	0·1	140	10	0·5	0·4	177	31	4·2	4·1	275
0·15 a.g. . .	28	6·3	4·2	232	23	5·6	3·6	093	30	4·4	2·3	107	9	1·1	0·7	077	10	0·5	0·3	336	30	8·6	8·5	282
0·3 a.m.s.l. .					23	6·0	3·8	098	30	4.6	2·4	108									30	9·4	9·3	279
0·6 ,, . .	28	6·7	4·1	244	22	7·5	4.1	118	30	5.2	2.2	134									30	12·0	11·8	280
0·9 ,, . .	28	6·3	3·8	261	19	8·6	2·5	125	27	6.1	1.9	151									30	11·1	10·5	284
1·5 ,, . .	26	6·0	3·7	277	15	9·3	1.3	193	24	7.4	1.8	218									30	8·4	7·4	281
2·1 ,, . .	24	5·7	3·4	306	6	7·5	6·9	106	18	8·9	3·5	255	9	1·8	0·5	073	10	1·9	0·4	327	29	6·5	5·3	280
3·0 ,, . .	24	5·0	2·8	300	2	6·5	6·1	107	10	4·8	1·2	166	9	0·9	0·3	189	10	1·8	1·6	301	26	5·2	4·3	285
3·6 ,, . .	14	3·6	1·5	283	1	7·0	7·0	085	7	3·0	0·8	137	9	1·7	0·6	143	10	3·0	0·7	249	24	5·0	3·6	278
4·5 ,, . .	7	4·0	0·5	230					3	2·3	0·6	107	9	2·0	0·9	166	10	3.5	0·9	148	19	5·2	3·4	270
5·4 ,, . .	1	1·0	1·0	234					2	4.0	2·6	315	8	5.0	2·0	185	8	4·4	1·9	167	13	5·3	3·2	272
6·0 ,, . .	1	2·0	2·0	150					2	3·0	2·8	337	8	6.6	4·0	185	8	5·0	2·5	194	8	5·4	0·8	205
7·2 ,, . .													7	7.1	5.9	231	7	7·6	6·3	237	4	6·3	5·9	085
9·0 ,, . .													6	14·8	12·2	253	7	17·9	16·7	231	1	9·0	9·0	100

Station	TIRUCHCHIRAPPALLI								TRIVANDRUM															
Time in I.S.T.	1730				2330				0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	4·4	2·7	268	31	4·3	3·8	263	31	2·2	2·1	324	31	3·3	3·0	323	31	4·6	4·5	312	31	2·4	2·3	323
0·15 a. g. .	31	6·0	4·2	267	30	7·0	6.1	257	31	8·1	8·0	330	31	6·1	5·6	307	31	9·1	8·9	307	30	6·5	6·4	321
0·3 a.m.s.l. .	31	5·6	4·0	268	30	7·4	6·5	255	31	8·3	8·1	326	31	6·5	6·1	309	31	9·2	9·0	306	30	7·5	7·4	323
0.6 ,, . .	31	5·4	4·2	269	30	8·4	7·6	258	31	10.6	10.3	316	31	8·6	8·2	314	31	10·5	10·2	310	30	10·0	9·7	321
0·9 ,, . .	31	5·7	5·1	270	29	8·3	7·5	261	31	11·8	11·5	309	26	10·7	10.3	313	31	11·1	10·8	310	30	10·4	10·0	315
1·5 ,, . .	31	7·1	6·3	273	26	7·6	7·0	267	31	11·4	11·0	305	12	13·7	13·4	310	31	10·6	10·2	308	28	10·8	10·6	312
2·1 ,, . .	30	7·8	6·4	271	24	7·0	6·3	280	31	10·7	10·2	299	6	15·0	14·5	301	31	9·5	8·9	305	21	10·7	10·1	307
3·0 ,, . .	24	6·7	5·2	285	19	4·8	4·5	299	31	8·2	7·6	294	1	14·0	14·0	290	31	8·5	7·7	298	7	9·3	8·3	267
3·6 ,, . .	20	6·5	5·0	291	14	5·4	4·7	285	30	6·7	6.0	296					31	7·0	6·3	296	2	3·5	3·3	300
4·5 ,, . .	14	5·9	3·7	300	5	4·6	3.0	266	30	5·6	4·0	295					31	5·7	4·1	298	1	2·0	2·0	315
5·4 ,, . .	9	3·9	1·9	312	1	3·0	3·0	065	30	5·1	1·8	298					31	5·5	2·4	304	1	4·0	4·0	345
6·0 ,, . .	6	3.3	1.8	052	1	4·0	4·0	075	30	5·2	0.8	346					31	5·8	1·0	320				
7·2 ,, . .	2	6.0	5·9	049					30	5·8	2·1	096					31	6·1	1·5	078				
9·0 ,, .									29	8·7	7·8	094					31	8·7	7·1	097				

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

August, 1965 (Sravana 10—Bhadra 9, 1887 Saka)

Station	UDAIPUR												VENGURLA											
Time in I.S.T.	0530				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	0·2	0·2	230	31	0·9	0·8	258	31	0·3	0·3	230	31	1·3	0·5	290	31	2.0	1·2	258	31	1·4	0·5	260
0·15 a.g.	31	3·2	2·7	255	30	4·4	4·0	245	29	3·8	3·3	246	28	5·1	3·1	294	30	6·1	4·7	277	30	4·9	3·0	284
0·3 a. m. s. l.													28	6·2	4·2	292	30	7·1	5·7	277	30	6·5	4·1	282
0·6 ,,													28	7·5	5·3	288	30	8·7	7·0	280	28	8·3	5·6	285
0·9 ,,	31	4·3	3·4	260	30	4·6	4·3	259	29	5·0	4·0	268	14	7·9	4·3	281	22	10·3	7·9	279	13	8·4	6·4	301
1·5 ,,	31	6·1	3·7	257	30	5·6	3·6	252	28	7·0	4·4	268	7	7·3	2·9	246	8	10·6	4·3	277	6	7·7	4·5	281
2·1 ,,	24	5·0	0·6	273	29	5·5	3·0	266	28	4·2	0·3	232	2	7·5	6·6	113	3	12·3	6·4	133	2	6·5	6·5	278
3·0 ,,	21	4·7	2·5	054	23	5·4	1·6	300	23	4·8	3·3	318					1	15·0	15·0	160	1	13·0	13·0	280
3·6 ,,	19	5·1	2·8	052	21	5·5	2·2	333	17	5·2	3·8	341												
4·5 ,,	16	4·3	1·6	048	20	5·8	2·2	345	11	4·7	3·1	359												
5·4 ,,	16	3·8	1·1	105	15	4·7	1·6	331	4	3·3	1·1	324												
6·0 ,,	16	4·1	1·8	110	14	3·5	0·5	287	3	2·0	0·4	345												
7·2 ,,	12	5·3	2·6	110	10	4·5	1·5	283																
9·0 ,,	12	5·6	3·9	116	8	5·0	2·3	004																

Station	VERAVAL												VIJAYWADA/GANNAVARAM											
Time in I.S.T.	0530				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	5·9	4·7	264	31	6·9	6·4	275	31	5·6	4·8	269	31	2·5	2·0	259	31	2·8	1·2	288	31	1·5	0·7	184
0·15 a. g.	31	8·1	7·1	274	30	7·6	7·2	271	31	7·2	6·6	270	29	6·3	5·7	259	29	4·4	1·7	283	29	4·5	2·6	185
0·3 a. m. s. l.	31	9·1	8·2	272	30	8·2	7·8	271	31	7·8	7·3	270	29	7.3	4·9	257	29	4·6	2·0	290	29	4·8	2·6	197
0·6 ,,	31	10·1	9·3	269	29	8·2	7·5	271	31	8·5	8·0	269	29	8·5	5·9	259	29	5·0	2·9	283	29	5·2	2·1	237
0·9 ,,	31	9·2	8·4	263	28	7·8	6·9	270	29	8·1	7·4	268	29	8·4	5·7	267	29	6·0	4·2	290	29	5.5	2·6	270
1·5 ,,	25	6·7	4·4	243	23	5·9	3.7	268	24	5·9	4·0	257	27	6·6	4·1	288	29	6·9	5·2	286	29	6·2	3·7	285
2·1 ,,	15	5·9	0·7	201	20	5·2	2.4	310	19	5·1	0·7	095	26	6·6	3·4	293	29	7·2	4·9	279	29	6·8	4·0	290
3·0 ,,	10	5·2	2·2	060	18	5·0	2·7	340	19	4·8	2·4	002	23	6·4	2·0	312	28	7·0	4·2	275	24	6·1	3·3	274
3·6 ,,	5	4·8	3·2	080	17	4·4	2·7	006	14	5·6	2·4	022	20	6·2	1·4	310	24	6·4	2·2	240	18	5·1	2·0	272
4·5 ,,	3	2·7	0·9	220	15	4·9	3·1	050	10	5·2	2·4	044	16	6·8	1·3	025	23	6.3	1.7	194	13	4.1	1·3	154
5·4 ,,	1	3·0	3·0	323	12	4·4	2·7	058	3	4·7	2·0	053	12	7·7	3·1	088	21	6·2	1·5	134	6	4.2	2.9	096
6·0 ,,	1	4·0	4·0	360	12	4·3	2·9	044	2	4·5	1·3	143	11	8·0	5·3	098	18	5·4	3·3	110	5	4.8	4·3	066
7·2 ,,					12	6·1	4·6	072					7	8.0	7.8	088	14	6·4	5.0	096				
9·0 ,,					7	7·6	7·2	085					4	12·7	12.7	103	7	12.0	11.8	097				

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

August, 1965 (Sravana 10—Bhadra 9, 1887 Saka)

Station	VISHAKHAPATNAM															
Time in I.S.T.	0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	3.1	2·2	298	31	3·2	2·1	199	31	2·6	1·3	275	31	2·5	1·7	246
0·15 a.g. .	31	6.0	4·1	298	29	5·3	3·6	204	31	4·4	2·0	299	28	4·5	2·8	243
0·3 a.m.s.l. .	31	6.4	4·0	285	29	5·2	3·6	217	31	4·6	2·0	276	28	5·0	3·1	243
0·6 ,, . .	31	6·6	4·3	258	28	5·2	4·3	251	31	5·0	2·2	253	28	5·3	2·9	252
0·9 ,, . .	30	6·2	3·7	248	26	5·7	4·9	261	31	5·6	2·9	263	26	5·0	2·3	267
1·5 ,, . .	29	6·2	2·8	274	25	6·4	4·6	273	31	5·5	3·0	292	19	4·1	1·7	315
2·1 ,, . .	28	5·8	2·6	293	24	6·1	2·2	284	31	5.4	3·0	287	12	3·8	2·1	315
3·0 ,, . .	28	6.2	2·9	292	15	6·8	4·1	272	31	6·0	3.1	278	11	4·7	3·7	267
3·6 ,, . .	27	6.3	2·2	296	12	8·1	4·3	273	31	6·7	2·8	281	7	3.9	2·1	262
4·5 ,, . .	27	6.0	1.2	360	7	7·4	3·1	260	31	7·4	1·8	298	2	5.0	3·4	122
5·4 ,, . .	26	6.6	2.4	064	5	7·2	1·1	208	31	7·2	0·7	006				
6·0 ,, . .	26	6·9	3·7	072	5	7.0	1·8	133	29	6·3	1·2	053				
7 2 ,, . .	25	8·6	6·9	082	2	8·0	2·3	225	29	8·2	4·2	069				
9·0 ,, . .	25	11·4	10·6	092	1	20·0	20·0	090	26	11·8	10·4	078				

Table V—Monthly Mean Directions and Velocities of Upper Winds

Winds above 9.0 Km. above mean sea level

August, 1965 (Sravana 10—Bhadra 9, 1887 Saka)

Ht. in Km.	n	V	v	D
		AHMADABAD		
		0530 hr.*		
10·5	31	8·3	7·0	116
12·0	30	12·0	10·9	116
14·1	29	17·9	17·0	119
16·2	25	20·8	19·0	103
18·0	18	18·2	17·5	098
21·0	4	19·7	19·7	105
		1130 hr.		
10·5	5	12·6	12 4	092
12·0	5	15·6	15·3	097
14·1	3	22·0	21.8	099
16·2	3	20·0	20 0	092
18·0	3	22·7	22.0	092
21·0	1	17·0	17·0	078
		1730 hr.*		
10·5	31	10·0	9·7	107
12·0	30	13·3	12·5	110
14·1	28	21·1	20·2	118
16·2	26	23·2	22·7	112
18·0	18	20 4	20·1	101
21·0	7	19·1	18·3	105
24·0	2	27·0	26·5	107
		ALLAHABAD/ BAMHRAULI		
		0530 hr.*		
10·5	28	6·9	5·2	085
12·0	25	8 1	5·6	085
14·1	14	12·7	10 8	075
16·2	4	18·5	17·9	083
		1730 hr.*		
10·5	25	6·2	4·3	106
12 0	21	7·2	2·6	097
14·1	10	11·3	10·3	083
16·2	3	13 3	13 0	090
18·0	1	21·0	21·0	088
		AMBALA		
		0530 hr.		
10·5	2	5·0	4·9	284
12·0	1	5·0	5 0	268
		1130 hr.		
10·5	2	21·5	20·8	254
12·0	1	20·0	20·0	253
14·1	1	21·0	21·0	250
16·2	1	16·0	16·0	250
		1730 hr.		
10·5	2	18·5	17·4	248
12·0	2	18.0	17·1	250
14·1	1	12·0	12·0	230
		ASANSOL		
		0530 hr.		
10·5	1	6·0	6·0	064
12·0	1	5·0	5·0	079
		BANGALORE		
		0530 hr.@		
10·5	1	11·0	11·0	085
		1730 hr. @		
10·5	10	13·2	12·7	100
12·0	8	21·6	21·0	097
14·1	3	31·7	30·3	086
		BAREILLY		
		0530 hr.		
10·5	2	5·0	4·0	175
12·0	2	8·5	5·5	186
14·1	2	7·5	4·3	175
16·2	1	7·0	7·0	140
		1730 hr.		
10·5	2	5·0	5·0	299
12·0	2	8·0	7·3	244
14·1	1	6·0	6·0	246
		BEGAMPET		
		0530 hr.		
10·5	1	7·0	7·0	086
12.0	1	7·0	7·0	096
		BHUBANESHWAR		
		0530 hr.		
10 5	1	13 0	13·0	094
		BOMBAY/ SANTACRUZ		
		0530 hr.*		
10 5	30	12·8	11·5	077
12·0	30	18·3	17·8	086
14·1	24	25·9	25·3	084
16·2	14	24·6	24·0	082
18·0	7	23·3	22·3	077
21·0	3	24·0	24·0	080
24·0	1	28·0	28·0	075
		1730 hr.*		
10·5	29	14·5	13·6	078
		1730 hr.*		
12·0	28	20·5	20·0	081
14·1	21	27·0	27·3	085
16·2	19	27·1	26·8	081
18·0	10	25·1	24·6	081
21·0	2	22·5	22·5	088
24·0	1	19·0	19·0	070
		CALCUTTA/DUM DUM		
		0530 hr.*		
10·5	30	11·6	10·3	100
12·0	30	13·2	10·9	095
14·1	28	16·9	15·4	085
16·2	24	21·1	20·7	086
18·0	14	18·6	18·3	083
21·0	2	17·5	71·2	095
		1730 hr.*		
10·5	29	10·3	8·3	089
12·0	27	11·6	9·0	086
14·1	26	14·8	13·5	085
16·2	24	18·5	17·9	077
18·0	17	21·5	20·8	091
21·0	7	18·6	18·4	100
		GADAG		
		0530 hr.		
10·5	1	21·0	21·0	100
12·0	1	26·0	26·0	095
14·1	1	34 0	34·0	100
		1730 hr.		
10·5	1	11·0	11·0	085
12·0	1	15·0	15·0	090
14·1	1	23·0	23·0	100
		GANGTOK		
		0830 hr.		
10·5	2	13·5	12·1	130
12·0	2	13·0	12·9	122
14·1	2	13·5	13 3	133
16·2	1	12·0	12·0	125
18·0	1	11·0	11·0	129
		GAUHATI		
		0530 hr.*		
10·5	12	8·4	3·3	011
12·0	12	9·4	6·8	031
14·1	10	10 6	7·2	065
16·2	6	15·3	13·4	082
18·0	3	12·3	12·3	088
		0530 hr.*		
21·0	2	18·0	18·0	092
24·0	1	21·0	21·0	080
		1130 hr.		
10·5	1	2 0	2·0	125
		1730 hr.*		
10·5	16	8·8	4·5	039
12·0	15	10·1	6·8	050
14·1	12	9·3	6·2	062
16·2	8	13·5	12·7	077
18·0	6	17·5	17·1	079
21·0	1	21·0	21·0	095
		GAYA		
		1730 hr.		
10·5	2	7·5	7·1	058
12·0	1	9·0	9.0	045
		GOPALPUR		
		1730 hr.		
10·5	1	20 0	20 0	075
12·0	1	26·0	26·0	070
		GWALIOR		
		0530 hr.		
10.5	9	4·7	4·2	115
12.0	4	5 7	4·4	082
14·1	1	11·0	11·0	095
16·2	1	12·0	12·0	095
18·0	1	16·0	16.0	040
		1130 hr.		
10.5	5	5·0	4·0	076
12·0	4	6·0	4·1	057
14·1	2	10 0	5·5	076
16·2	1	17·0	17·0	060
18·0	1	15·0	15 0	085
21·0	1	27·0	27·0	080
		1730 hr.		
10·5	6	4·5	3·7	108
12·0	6	7·7	7·6	115
14·1	4	12·2	10·9	094
16·2	4	15·7	9·8	068
18·0	3	20·6	11·4	023
21·0	1	19·0	19·0	070
		JABALPUR		
		0530 hr.		
10·5	2	13·5	13·5	088
12·0	2	16·0	15·9	097
14·1	1	20·0	20·0	095
		JAGDALPUR		
		0530 hr.		
10·5	1	25 0	25·0	250
		JAIPUR/SANGANER		
		0530 hr.		
10·5	4	2·5	1·5	171
12·0	3	4·0	2·7	105
		JODHPUR		
		0530 hr.*		
10·5	27	4·9	1·8	154
12·0	15	5·3	3·2	140
14·1	22	7·1	4·2	136
16·2	15	9·9	8·2	085
18·0	9	15·1	14·3	080
21·0	1	18·0	18·0	090
		1130 hr.		
10.5	3	6·7	2·2	241
		1730 hr.*		
10·5	29	4·4	2·8	150
12·0	27	5·4	3·7	122
14·1	21	9·7	8·2	113
16·2	15	9·5	8·7	088
18·0	7	15·7	15·2	089
21·0	1	17·0	17·0	075
		MADRAS/ MINAMBAKKAM		
		0530 hr.*		
10·5	29	14·5	14·0	098
12·0	28	22·1	21·6	089
14.1	27	32·1	31·5	087
16·2	16	25·4	25 0	095
18·0	9	20 0	19·7	094
21·0	2	20·5	20·5	098
		1730 hr.*		
10·5	30	13·2	12·5	100
12·0	30	20·9	20·6	095
14·1	30	28·2	27·6	088
16·2	21	24·7	24·5	093

Table V—Monthly Mean Directions and Velocities of Upper Winds

Winds above 9.0 Km. above mean sea level

August, 1965 (Sravana 10—Bhadra 9, 1887 Saka)

Ht. in Km.	n	V	v	D
		1730 hr.*		
18·0	13	21·2	20·7	091
21·0	5	21·2	21·0	091
24·0	1	30·0	30·0	105
		MINICOY		
		0530 hr.		
10·5	1	14·0	16·0	070
12·0	1	22·0	22·0	095
14·1	1	13·0	13·0	065
16·2	1	30·0	30·0	055
		1130 hr.		
10·5	2	17·5	17·5	092
12·0	2	24·0	24·0	092
14·1	1	18·0	18·0	105
		1730 hr.*		
10·5	31	12·5	11·7	090
12·0	30	19·9	19·1	086
14·1	27	29·6	28·9	083
16·2	24	25·3	14·4	091
18·0	19	13·5	12·3	081
21·0	7	15·7	14·8	091
		NAGPUR/SONEGAON		
		0530 hr.*		
10·5	31	7·3	6·2	093
12·0	31	10·5	9·5	090
14.1	27	17·4	15·8	089
16·2	13	18·8	17·5	097
18·0	7	16·9	11·1	106
21·0	1	17·0	17·0	090
		1130 hr.		
10·5	1	19·0	19·0	085
		1730 hr.*		
10·5	30	8·4	6·9	090
12·0	29	11·3	10·4	091
14·1	20	15·6	13.1	089
16·2	6	17·7	15·8	037
18·0	1	15·0	15·0	085
21·0	1	14·0	14·3	100
		NEW DELHI/ SAFDARJUNG		
		0530 hr.*		
10·5	31	5.5	4·2	243
12·0	31	5·7	3·7	234
14·1	19	5·2	2·9	215
16·2	28	6·4	3·8	084
18·0	25	13·4	13·0	079
21·0	17	14·3	14·1	082
24·0	8	18·1	18·0	088
		1130 hr.		
10·5	2	3·5	3·5	253
		1730 hr.*		
10·5	31	6·1	4·9	248
12·0	31	7·0	5·0	214
14·1	30	7·3	4·5	185
16·2	28	7·7	5·6	120
18·0	27	12·0	11·2	103
21·0	17	13·2	11·8	087
24·0	10	15·1	14·4	097
27·0	1	15·0	15·0	070
30·0	1	20·0	20·0	080
		PORT BLAIR		
		0530 hr.*		
10·5	29	11·7	10·8	073
12·0	29	19·0	18·5	074
14·1	22	27·2	25·5	074
16.2	12	31·1	31·0	079
18·0	5	26·4	26·0	077
		1730 hr.*		
10·5	28	11.6	10·7	083
12·0	27	18·4	17·2	075
14·1	20	26·8	25·5	074
16·2	10	31·0	30·6	082
18·0	1	52·0	52·0	093
		RAIPUR		
		0530 hr.		
10·5	1	7·0	7·0	070
		SRINAGAR		
		0530hr.*		
10·5	4	19·0	17·1	242
12·0	3	20·7	18·7	253
14·1	1	37·0	37·0	235
		1730 hr. *		
10·5	7	20·9	19·1	243
12·0	5	22·8	21·0	245
		TRIVANDRUM		
		0530 hr.*		
10·5	29	14·1	13·4	088
		0530 hr.*		
12·0	29	22.8	22·3	086
14·1	27	32·0	31·1	083
16·2	24	21·1	20·1	091
18·0	12	10·7	9·3	088
21·0	3	21·0	21·0	093
24·0	1	26·0	26·0	080
		1730 hr.*		
10·5	31	15·2	12·7	092
12·0	31	23·4	22·5	096
14·1	28	29·2	28·3	087
16.2	21	22·6	22·3	087
8·0	9	14·1	13·3	084
		UDAIPUR		
		0530 hr.		
10·5	7	6·3	5·2	104
12·0	5	6·8	6·0	088
14·1	4	17·3	14·1	110
16·2	3	15·3	14·7	098
18·0	1	21·0	21·0	080
21·0	1	19·0	19·0	070
24·0	1	44·0	44·0	080
		1730 hr.		
10·5	6	7·0	5·7	099
12·0	3	10·7	10·6	109
14·1	2	15·0	14·9	098
		VERAVAL		
		1730 hr.		
10·5	4	8·7	8·4	078
12.0	1	9·0	9·0	101
		VIJAYWADA/ GANNAVARAM		
		0530 hr.		
10·5	2	16·5	16·1	093
12·0	2	20·5	20·5	092
14·1	1	36·0	36·0	095
		1730 hr.		
10·5	5	16·0	16·2	090
12·0	1	20·0	20·0	100
		VISHAKHAPATNAM		
		0530 hr.*		
10·5	25	15·2	14·2	092
12·0	24	19·3	18·1	093
14·1	14	23·8	22·0	097
16·2	2	24·0	23·9	092
		1130 hr.		
10·5	1	26·0	26.0	095
		1730 hr.*		
10·5	26	14·2	12·7	079
12·0	25	17·2	15·2	085
14·1	13	22·1	18·7	077
16·2	3	20·3	20·1	075

RADIOSONDE DATA

During the month, observations of upper air temperature, pressure and humidity were made at 15 stations in India as given in the list below. For detailed description of the instruments used, a reference may be made to the I. M. D. Scientific Notes Nos. 112 and 113 (Volume IX).

LIST OF RADIOSONDE STATIONS IN INDIA

Serial No.	Name of Station	Type of instrument used	Date of starting	Hours of routine observations in GMT during the month	Remarks
1	Ahmadabad	Fan type	20th July, 1961	00 and 12	
2	Allahabad/Bamhrauli	Clock type	1st October, 1944	00 and 12	
3	Bangalore	Fan type	10th March, 1961	00 and 12	
4	Bombay/Santa Cruz	Clock type	7th September, 1954	00 and 12	
5	Calcutta/Dum Dum	Clock type	13th December, 1946	00 and 12	Fan type used from 13-12-46 to 30-11-47.
6	Gauhati	Clock type	22nd July, 1955	00 and 12	
7	Jodhpur	Clock type	17th April, 1946	00 and 12	
8	Madras/Minambakkam	Fan type	29th June, 1946	00 and 12	
9	Minicoy	Fan type	12th May, 1963	12	
10	Nagpur/Sonegaon	Fan type	1st October, 1946	00 and 12	
11	New Delhi /Safdarjung	Clock type	3rd December, 1943	00 and 12	
12	Port Blair	Fan type	4th December, 1949	00 and 12	
13	Srinagar	Clock type	1st August, 1962	00 and 12	
14	Trivandrum	Fan type	1st July, 1947	00 and 12	
15	Vishakhapatnam	Fan type	8th December, 1946	00 and 12	

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(A) From Ascents at 00 hrs G.M.T.

August, 1965 (Sravana 10—Bhadra 9, 1887 Saka)

Standard Pressure Surface mb.	AHMADABAD Surf. Pr. (997 mb.)						ALLAHABAD/BAMHRAULI (990 mb.)						BANGALORE (908 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	31	055	298·5	301	297	296·2	31	098	299·7	302	297	296·6	31	921	292·6	293	292	291·7
1000	31	031	..	..	..	..	31	008	..	..	..	..	31	082	..	..	..	..
900	31	957	294·8	300	292	291·0	31	935	296·8	301	292	292·1	31	994	292·3	293	291	291·3
850	31	1452	292·1	297	289	288·6	31	1432	293·5	298	290	289·8	31	1485	290·8	294	288	288·5
800	31	1972	289·8	293	287	285·1	31	1954	290·0	294	287	287·3	31	2002	288·8	291	287	285·6
700	31	3104	285·5	289	282	275·5	31	3079	283·8	288	281	279·4	31	3128	283·7	287	281	278·9
600	31	4380	277·4	280	274	268·8	31	4349	277·4	281	274	272·3	31	4398	277·1	281	275	272·3
500	31	5843	271·1	274	269	..	31	5817	270·6	275	267	261·0	31	5859	269·2	273	268	..
400	31	7586	261·0	265	257	..	31	7559	260·7	264	256	..	31	7586	258·5	263	254	..
300	31	9731	246·8	250	243	..	31	9702	246·4	250	242	..	31	9709	244·0	248	239	..
250	31	11026	237·5	241	233	..	29	11001	237·3	242	231	..	31	10989	234·7	239	231	..
200	30	12546	226·3	231	221	..	29	12515	226·4	232	220	..	31	12486	223·8	229	220	..
175	30	13419	219·6	225	213	..	28	13382	219·8	225	213	..	28	13343	217·6	223	213	..
150	30	14393	212·1	218	207	..	26	14349	212·8	219	207	..	28	14317	211·3	219	204	..
125	28	15505	203·7	208	197	..	23	15472	205·2	213	198	..	23	15423	205·3	212	202	..
100	27	16809	198·2	206	189	..	17	16778	200·3	207	194	..	22	16755	202·5	208	196	..
80	23	18119	200·5	213	189	..	14	18106	200·9	209	193	..	17	18132	207·4	217	203	..
70	18	18938	204·4	218	197	..	11	18917	203·5	210	196	..	16	18939	210·1	216	198	..
60	17	19864	208·6	221	198	..	7	19893	206·6	214	201	..	11	19874	212·6	216	209	..
50	12	20981	213·3	225	206	..	6	20949	209.5	219	202	..	10	20989	215·4	219	213	..
40	7	22375	217·7	227	213	..	5	22419	214·6	221	209	..	7	22467	217·1	221	215	..
30	..	..	..	..	..	..	..	..	..	..	..	..	7	24378	220·9	223	219	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

	BOMBAY/SANTA CRUZ Surf. Pr. (1004 mb.)						CALCUTTA/DUM DUM (1002 mb.)						GAUHATI (999 mb.)					
Surface	31	013	298·6	300	296	296·7	31	006	299·6	302	297	298·3	31	049	299·4	301	298	297·8
1000	30	050	298·8	301	297	296·7	31	030	299·8	302	296	298·1	29	034	299·0	300	298	297·5
900	30	970	294·0	297	291	292·0	31	952	295·4	299	292	292·5	29	957	295·4	298	293	293·2
850	30	1464	291·4	296	289	289·3	31	1449	293·0	295	290	290·2	29	1452	292·9	296	289	290·2
800	30	1983	288·6	293	286	286·9	31	1971	289·9	293	287	287·4	29	1972	289·7	293	287	287·3
700	00	3109	284·1	287	281	278·0	31	3101	283·8	287	280	280·9	29	3100	284·1	288	281	281·7
600	30	4382	277·2	282	272	271·1	31	4375	277·3	279	275	274·5	29	4373	277·8	280	293	275·3
500	30	5816	270·2	273	268	..	31	5844	269·5	271	267	..	29	5838	270·0	273	268	..
400	30	7586	259·8	263	258	..	31	7577	259·9	263	257	..	29	7577	261·6	264	257	..
300	30	9718	245·1	248	241	..	31	9716	246·3	250	241	..	29	9726	248·0	252	243	..
250	30	11003	235·5	239	232	..	30	11005	236·5	241	232	..	28	11032	239·0	244	233	..
200	30	12501	223·5	227	218	..	30	12523	225·4	231	218	..	26	12550	227·6	231	221	..
175	26	13349	216·7	223	209	..	30	13387	219·2	227	212	..	24	13424	221·7	230	215	..
150	25	14330	209·5	218	204	..	27	14361	211·7	218	205	..	19	14407	214·3	219	210	..
125	23	15421	202·1	210	195	..	27	15456	205·2	213	196	..	16	15543	206·7	208	200	..
100	16	16742	199·9	211	193	..	24	16814	200·0	211	190	..	14	16869	201·9	208	196	..
80	9	18062	205·2	215	202	..	19	18126	202·6	210	193	..	11	18177	203·0	207	199	..
70	7	18854	208·3	211	205	..	17	18921	206·2	213	197	..	8	18855	205·1	215	200	..
60	5	19833	212·6	215	210	..	12	19842	209·7	216	203	..	6	19904	208·5	219	202	..
50	..	..	..	..	..	..	10	20973	214·8	221	209	..	6	21032	214·5	223	212	..
40	..	..	..	..	..	..	6	22372	216·7	225	211	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(A) From Ascents at 00 hrs. G.M.T.

August, 1965 (Sravana 10—Bhadra 9, 1887 Saka)

Standard pressure surface mb.	JODHPUR Surf. Pr. (978 mb.)						MADRAS/MINAMBAKKAM (1004 mb.)						NAGPUR/SONEGAON (969 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	31	218	299·3	307	296	295.8	31	015	298·7	300	296	296·4	31	311	296·7	298	295	295·
1000	30	023	..	..	..	..	31	052	298·7	300	296	296·2	31	033	..	..	..	..
900	30	948	295·9	302	291	290·3	31	0977	295·3	298	291	290.5	31	959	296·3	301	294	292·
850	30	1441	293·7	300	289	287·3	31	1472	292·8	296	290	288·0	31	1457	293·2	295	291	289
800	30	1965	292·0	299	285	283·0	31	1993	289·6	293	287	285·6	31	1980	289·9	292	287	286·
700	30	3101	286·6	291	284	273.3	31	3118	283·3	287	281	279.1	31	3110	284·2	287	282	279
600	30	4378	277·4	281	274	265.7	31	4386	276·5	280	273	271.7	31	4384	277·7	281	274	272·
500	30	5839	270·3	274	267	..	30	5847	268·5	273	265	..	31	5853	270·4	273	269	..
400	30	7583	262·0	267	258	..	30	7572	258·2	263	255	..	31	7589	260·2	263	257	..
300	30	9735	248·1	253	244	..	30	9691	243.3	248	239	..	21	9725	245·9	251	243	
250	30	11037	239·0	245	233	..	29	10963	233.5	239	228	..	31	11013	236·5	242	231	..
200	29	12567	228·0	235	222	..	29	12453	221.7	227	213	..	31	12523	224·8	231	219	..
175	28	13453	222·3	231	217	..	28	13306	215.7	221	208	..	29	13380	217·5	221	211	..
150	26	14432	214.6	222	208	..	28	14274	209·0	215	201	..	29	14353	210·7	215	203	..
125	25	15553	206.8	212	201	..	24	15361	202·9	207	197	..	25	15449	203·2	209	194	..
100	23	16892	202.1	210	194	..	19	16704	203·0	210	196	..	22	16777	201·5	208	193	..
80	21	18213	203.8	214	195	..	12	17997	207.8	217	195	..	13	18103	206·1	213	197	..
70	19	19014	207.4	215	199	..	8	18836	211·1	217	200	..	10	18929	209·7	217	203	..
60	18	20056	212.1	217	203	..	5	19766	216·4	221	215	..	7	19863	212·7	219	206	..
50	17	21122	216.2	223	208	..	..	..	..	..	..	..	5	20937	216·0	220	209	..
40	15	22572	222.4	233	213	..	..	..	..	..	..	..	..	..	..	..	..	..
30	10	24461	225.3	233	219	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

	NEW DELHI/SAFDARJUNG Surf. Pr. (977 mb.)						PORT BLAIR (999 mb.)						SRINAGAR (838 mb.)					
Surface	31	209	300·0	303	297	295·9	31	079	297·5	299	296	296·5	13	1588	294·2	297	289	288·
1000	31	019	..	..	..	..	31	069	297·5	298	297	296·5	13	039	..	..	..	..
900	31	936	297·7	301	295	291·6	31	989	294·3	297	291	291·3	13	967	..	..	..	..
850	31	1435	294·6	298	291	289.5	31	1482	292·0	295	289	288·7	13	1464	..	..	..	..
800	31	1959	291·3	295	288	286·7	31	2001	288·7	292	285	286·0	13	1985	289·5	292	285	283.
700	31	3090	284·3	287	282	278·2	31	3125	283·4	287	279	279·6	13	3109	283·0	285	281	277.
600	31	4361	276·8	279	273	268.5	30	4393	276·9	283	272	273·9	13	4378	275·0	279	272	268.
500	31	5823	270·4	275	267	..	29	5854	269 1	274	262	..	13	5818	265·8	270	263	..
400	31	7568	261·5	267	258	..	29	7577	259·7	265	256	..	13	7534	256·7	260	254	..
300	31	9718	247·5	250	243	..	29	9703	245·9	253	241	..	13	9649	244·8	249	242	..
250	31	11020	238·0	244	234	..	29	11099	236·2	245	231	..	12	10934	236·4	240	233	..
200	31	12537	226·8	231	223	..	29	12490	224·7	232	219	..	11	12453	227·4	233	222	..
175	31	13412	220·4	226	216	..	24	13336	218·6	225	213	..	11	13342	220·9	228	209	..
150	29	14399	213·1	218	201	..	24	14319	211·8	219	204	..	10	14320	216 3	219	213	..
125	29	15516	205·2	211	197	..	15	15440	208·0	215	200	..	8	15474	209·7	212	206	..
100	28	16845	200·9	206	195	..	10	16803	203·5	207	197	..	8	16820	204·7	207	203	..
80	25	18176	203·8	209	195	..	..	..	..	..	..	..	7	18141	203·6	208	200	..
70	24	18992	207·3	215	198	..	..	..	..	..	..	..	7	18921	205·9	211	203	..
60	21	19923	212·0	220	206	..	..	..	..	..	..	..	7	19883	210.3	216	206	..
50	20	21073	216·7	224	212	..	..	..	..	..	..	..	7	21019	214.6	220	208	..
40	14	22536	221·0	224	216	..	..	..	..	..	..	..	..	..	..	..	..	..
30	9	24422	226.3	229	224	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(A) From Ascents at 00 hrs. G. M. T.

August, 1965 (Sravana 10—Bhadra 9, 1887 Saka)

Standard pressure surface mb.	TRIVANDRUM Surf. Pr. (1001 mb.)						VISHAKHAPATNAM (1000 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew Point			Mean	Max.	Min.	Dew Point
Surface	31	064	298·0	299	296	295·8	30	041	300.2	302	299	297·5
1000	31	074	298·0	299	296	295·6	28	040	299·8	302	299	297·4
900	31	996	292.9	295	291	290·0	28	967	295·7	300	293	291·7
850	31	1488	290·5	293	288	287·4	28	1464	292·8	297	289	289·3
800	31	2006	287·9	290	286	284·0	28	1985	290·0	294	285	286·7
700	31	3129	283·2	285	281	277·5	28	3115	283·6	287	279	279·1
600	31	4397	275·8	279	273	271·0	28	4387	277·0	282	271	272·6
500	31	5853	267·6	271	264	..	28	5854	269·6	273	266	..
400	31	7571	257·4	261	254	..	27	7586	259·3	263	255	..
300	30	9682	242·3	246	237	..	27	9717	244·5	249	238	..
250	30	10952	232.2	237	227	..	26	11008	235·8	239	229	..
200	30	12437	219·9	225	216	..	26	12516	225·3	230	220	..
175	28	13269	213·9	218	208	..	22	13388	218·2	225	212	..
150	28	14244	207·6	214	201	..	22	14366	211·9	217	205	..
125	28	15343	200·9	204	196	..	15	15460	206·2	211	198	..
100	25	16649	202·6	211	195	..	14	16798	202·0	208	196	..
80	17	17983	208·4	213	203	..	12	18156	206·1	212	200	..
70	16	18795	211·4	215	205	..	11	18992	210·5	215	205	..
60	13	19769	214·9	218	209	..	7	19982	214·9	219	209	..
50	13	20911	219·0	224	215	..	6	21096	218·2	222	215	..
40	7	22349	222·0	227	208	..						
30												
20												
10												

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 hrs. G. M. T.

August, 1965 (Sravana 10—Bhadra 9, 1887 Saka)

Standard pressure surface mb.	AHMADABAD Surf. Pr. (996 mb.)						ALLAHABAD/BAMHRAULI (989 mb.)						BANGALORE (906 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	31	055	305·5	311	299	297·0	31	098	305·2	311	298	297·0	31	921	299·3	302	295	292·3
1000	31	020	..	304	..	..	31	−007	..	..	..	..	31	48	..	..	..	..
900	31	958	298·0	298	291	291·6	31	932	299·1	304	292	291·8	31	980	298·3	301	294	291·7
850	31	1457	291·1	291	291	288·6	31	1433	295·7	301	289	289·3	31	1479	294·6	297	293	288·9
800	31	1979	290·5	289	288	285·3	31	1956	291·9	295	287	286·3	31	2001	290.5	293	287	286·6
700	31	3110	285·8	281	282	275·6	31	3089	285·1	289	280	279·6	31	3128	283·5	286	280	279·9
600	31	4388	277·9	275	274	269·6	31	4366	278·9	283	274	271.7	31	4398	277·1	280	274	272·2
500	31	5855	271·6	265	268	263·8	31	5841	272·1	279	267	262.9	31	5862	270·0	273	266	..
400	31	7602	261·3	251	258	..	30	7588	261·4	269	256	..	31	7593	259·0	262	254	..
300	31	9749	247·2	243	245	..	27	9737	247·6	253	242	..	31	9718	244·3	249	241	..
250	31	11045	237·6	232	234	..	26	11051	238·4	244	231	..	31	11002	235·9	241	231	..
200	31	12562	226·3	226	222	..	24	12567	227·7	235	219	..	31	12509	224·5	228	219	..
175	31	13434	219·8	219	215	..	22	13449	220·0	225	212	..	25	13278	218·4	224	214	..
150	31	14412	212.8	213	206	..	21	14427	212·4	218	203	..	25	14349	211·7	217	208	..
125	29	15523	205·0	209	196	..	20	15561	205·8	211	195	..	22	15441	205·6	210	202	..
100	29	16842	199·0	209	192	..	15	16850	200·0	207	195	..	21	16792	202·0	207	197	..
80	25	18145	201·4	211	195	..	15	18175	200·8	211	191	..	14	18147	207·6	216	201	..
70	24	18940	205·5	222	198	..	12	18990	201·0	209	194	..	10	18984	209·0	215	204	..
60	21	19876	210·2	222	201	..	10	19792	208.3	214	201	..	9	19934	213·5	219	207	..
50	15	20990	214·3	222	204	..	8	21028	212.4	217	207	..	7	21018	217·0	223	211	..
40	6	22436	216.8	224	212	..	8	22435	215.6	222	209	..	..	..	..	..	..	..
30	5	24264	221.0	..	219	..	6	24231	218.8	225	213	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Standard pressure surface mb.	BOMBAY/SANTA CRUZ Surf Pr. (1003 mb.)						CALCUTTA/DUM DUM (1000 mb.)						GAUHATI (996 mb.)					
Surface	31	013	300.9	304	297	297·2	31	06	301·7	306	298	298·4	31	049	301·3	304	299	298·2
1000	31	042	300·6	304	297	296·7	31	007	301·3	305	298	298·0	31	016	..	..	..	..
900	31	1968	294·6	298	291	291·2	31	1940	296·7	301	292	293·5	31	944	296·4	299	294	293·1
850	31	1463	291·7	295	290	288·8	31	1439	293·7	298	289	290·7	31	1442	293·7	297	290	290·0
800	31	1983	289·5	293	287	286·8	31	1963	290·8	294	286	287·2	31	1964	290·8	297	287	287·1
700	31	3110	284·6	287	279	278·4	31	3096	284·9	287	280	280·6	31	3095	285·0	289	282	281·8
600	31	4384	277·7	281	274	270·5	31	4375	278·5	282	273	273.4	31	4368	278·5	282	274	275.4
500	31	5851	270·9	274	263	..	31	5846	270·5	273	266	268.8	31	5839	270·9	276	266	269.3
400	30	7596	261·8	264	257	..	31	7587	260·9	267	257	..	31	7585	261·5	267	256	..
300	30	9744	246·9	251	243	..	29	9735	246·9	253	241	..	29	9741	248·2	255	243	..
250	29	11043	237·9	242	231	..	27	11031	237·9	245	230	..	28	11045	238·9	249	233	..
200	28	12565	226·5	231	221	..	27	12551	226·4	233	217	..	27	12561	226·7	237	219	..
175	25	13441	219·7	225	213	..	26	13441	219·9	226	214	..	25	13435	220·3	227	215	..
150	23	14422	212·5	219	206	..	24	14419	213·1	219	205	..	25	14409	213·4	219	207	..
125	23	15541	204·6	213	199	..	24	15553	205·5	211	198	..	21	15532	206·6	215	200	..
100	17	16856	199·9	204	193	..	24	16867	199·6	205	193	..	14	16881	199·7	204	200	..
80	10	18180	204·8	212	196	..	17	18181	199·4	204	193	..	9	18195	200.3	204	197	..
70	6	18934	209·3	218	206	..	16	18995	202·5	211	197	..	7	19007	201.7	206	199	..
60	..	..	..	..	..	..	14	19922	207·6	216	200	..	5	20719	200.8	209	203	..
50	..	..	..	..	..	..	12	21035	212·3	221	203	..	..	..	..	..	..	..
40	..	..	..	..	..	..	10	22304	216·0	222	211	..	..	..	..	..	..	..
30	..	..	..	..	..	..	7	24253	220.3	225	212	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 hrs. G. M. T.

August, 1965 (Sravana 10—Bhadra 9, 1887 Saka)

Standard Pressure Surface mb.	JODHPUR Surf. Pr. (977 mb.)						MADRAS/MINAMBAKKAM (1003 mb.)						MINICOY (1009 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	31	218	306·5	314	297	296·4	31	015	303·3	307	301	298·0	31	002	301·3	303	297	296·8
1000	31	077	..	..	..	..	31	037	303·1	307	301	297·6	31	076	300·6	302	297	296·3
900	31	981	300·3	307	297	291.3	31	968	297·1	301	293	291·1	31	1002	293·3	296	291	290·3
850	31	1463	296.4	302	293	288·6	31	1466	294·0	297	291	287·8	31	1494	290·6	293	289	286·6
800	31	1977	293·1	297	289	285.5	31	1988	290·3	294	288	285·2	31	2011	288·0	290	285	283·2
700	31	3119	287·3	291	283	275.3	31	3116	284·3	288	280	278·6	31	3132	282·7	285	280	275·3
600	31	4543	278·2	281	275	267.6	31	4389	278·1	281	274	271·3	31	4397	275·9	279	273	269·3
500	31	5872	271·6	275	266	..	31	5856	270·2	275	266	..	31	5852	268·2	273	265	..
400	31	7375	263·1	268	259	..	31	7591	259·4	265	255	..	31	7570	257·7	261	254	..
300	31	9783	249·3	255	243	..	31	9723	244·9	251	240	..	31	9679	242·8	246	239	..
250	31	11053	239.7	246	231	..	31	11007	235·0	241	232	..	31	10950	233·6	238	229	..
200	30	12623	228·2	236	220	..	31	12506	222·7	227	219	..	31	12438	221·7	226	217	..
175	30	13618	222.0	227	213	..	30	13354	216·7	221	213	..	29	13277	215·1	220	209	..
150	28	14655	215.5	224	206	..	29	14337	209·7	216	204	..	28	14240	209·3	214	204	..
125	28	15825	207.8	218	199	..	26	15418	202·5	208	198	..	25	15320	203·4	210	199	..
100	26	16971	206.1	212	194	..	23	16750	202·2	210	193	..	24	16664	202·4	208	195	..
80	23	18277	204.3	215	196	..	14	18053	205·3	213	199	..	20	17983	205·9	214	201	..
70	19	19078	207·1	219	196	..	11	18827	207·4	212	202	..	19	18800	208·5	215	204	..
60	17	20009	211.8	224	199	..	9	19778	212·4	219	205	..	12	19688	209·3	215	205	..
50	14	21133	216.6	227	202	..	7	20887	215·7	221	210	..	9	20798	211·2	217	208	..
40	10	22508	220.3	227	205	..	..	..	..	..	..	..	..	..	..	..	..	..
30	5	24447	224.8	228	215	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..

	NAGPUR/SONEGAON (967 mb.)						NEW DELHI/SAFDARJUNG (976 mb.)						PORT BLAIR (998 mb.)					
Surface	31	311	301·6	307	297	295·6	31	209	305·7	309	297	296·6	31	079	299·3	301	296	297·0
1000	31	015	..	..	..	..	31	−011	..	..	..	..	31	063	..	..	..	..
900	30	954	298·0	300	295	292·3	31	932	300·4	304	295	291·8	30	985	294·0	299	291	291.8
850	30	1455	294·3	297	292	290·4	31	1435	296·4	299	293	289·2	30	1480	291·6	297	289	289·0
800	30	1978	290·4	293	288	287·5	31	1961	292·5	295	289	286·2	30	1999	288·8	293	286	286·2
700	30	3110	284·3	287	283	281·0	31	3095	285·7	290	283	276·5	30	3123	283·4	286	281	279·4
600	30	4387	277·7	280	275	273·3	31	4373	278·2	282	275	267.2	30	4392	277·0	281	274	273·7
500	30	5853	271·1	276	267	..	31	5843	271·9	277	267	249.4	29	5853	268·9	274	265	..
400	30	7592	260·7	264	258	..	31	7596	262·8	267	259	..	29	7583	259·0	264	255	..
300	30	9734	246·7	250	244	..	31	9755	248·4	253	244	..	29	9715	245·1	253	240	..
250	30	11027	237·2	240	233	..	31	11060	239·5	245	234	..	28	10995	235·5	244	227	..
200	29	12535	224.8	229	220	..	31	12592	228·6	235	223	..	27	12494	224·1	231	215	..
175	26	13391	217·4	221	211	..	30	13466	222·0	228	216	..	23	13365	218·5	224	210	..
150	26	14371	210·1	215	206	..	29	14417	214·9	223	207	..	23	14341	212·3	219	209	..
125	23	15459	202·7	208	198	..	28	15579	207·6	215	199	..	13	15461	207·1	212	203	..
100	20	16791	200·2	207	195	..	27	16923	202·4	211	194	..	10	16819	203·2	210	199	..
80	13	18131	206·9	213	199	..	27	18245	203·5	212	196		..	..	..	..	..	..
70	6	18953	209·5	214	204	..	27	19052	207·8	216	199	.	..	..	..	..	..	..
60	5	19911	214·0	217	207	..	23	19974	213·0	219	207	.	..	..	..	..	..	..
50	..	..	..	..	..	..	17	21148	218·4	224	212	.	..	..	..	..	..	..
40	..	..	..	..	..	..	13	22541	221·3	227	215	..	..	..	..	..	..	..
30	..	..	..	..	..	..	8	24473	223·6	227	219	..	..	..	..			..
20	..	..	..	..	..	..	..	..	.	..	..	..	..	..	.		..	..
10	..	..	..	..	..	..	..	..	..	..	..	.		..	..			..

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 hrs. G.M.T.

August, 1965 (Sravana 10—Bhadra 9, 1887 Saka)

Standard pressure surface mb.	SRINAGAR Surf. Pr. (836 mb.)						TRIVANDRUM (1000 mb.)						VISHAKHAPATNAM (996 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	13	1588	299.6	303	296	289·3	31	064	300·5	302	297	296·5	31	041	302·5	305	299	298·[illegible]
1000	13	−013	..	..	..	..	31	065	300·3	301	299	296.2	31	019	303.0	304	301	298.[illegible]
900	13	934	..	..	..	..	31	991	293·2	296	290	290·4	31	951	296·6	301	294	292·[illegible]
850	13	1442	..	..	..	..	31	1485	290·7	293	287	287·7	31	1449	293·5	297	290	289·[illegible]
800	13	1973	295.1	298	291	283.1	31	2003	288·1	291	286	284·6	31	1972	290·2	294	287	286·[illegible]
700	13	3114	286.2	290	283	273.5	31	3126	283·1	286	279	278·5	31	3102	284·1	287	281	280.[illegible]
600	13	4388	277.5	282	273	268.4	31	4395	276·5	279	273	272·1	31	4377	277·6	282	275	272.[illegible]
500	12	5839	267.2	270	263	..	31	5854	268·7	273	266	..	31	5843	269·6	275	265	..
400	12	7554	257.5	262	253	..	31	7579	257·6	260	255	..	30	7577	259·7	266	255	..
300	12	9681	245.4	249	241	..	31	9694	243·1	247	238	..	27	9711	245·4	249	241	..
250	11	10966	236.5	240	231	..	31	10967	233·4	239	229	..	27	10998	236·1	241	231	..
200	9	12482	228.3	232	221	..	31	12457	221·2	226	216	..	27	12508	225·5	229	218	..
175	6	13364	222.5	227	215	..	30	13302	215·0	219	209	..	21	13381	219·0	223	213	..
150	5	14346	217.0	222	209	..	28	14274	209·2	214	203	..	20	14356	212·5	219	207	..
125	..	..	..	..	..	..	25	15356	201·9	209	196	..	20	15457	205·7	211	201	..
100	..	..	..	..	..	..	19	16683	202·9	212	198	..	17	16810	201·2	209	193	..
80	..	..	..	..	..	..	14	18033	208·9	213	203	..	12	18153	204·4	210	200	..
70	..	..	..	..	..	..	11	18848	212·0	215	204	..	9	18952	206·8	214	201	..
60	..	..	..	..	..	..	9	19824	216·7	221	213	..	5	19912	210·0	216	204	..
50	..	..	..	..	..	..	5	20935	219·0	222	216	..	5	21011	215·0	218	209	..
40	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Note : Number of observations refer to those of dynamic height.

Means are not worked out for temperature and dew point for the 1000 mb. surface and for dew point for standard pressure surfaces with temperature less than 273°A.

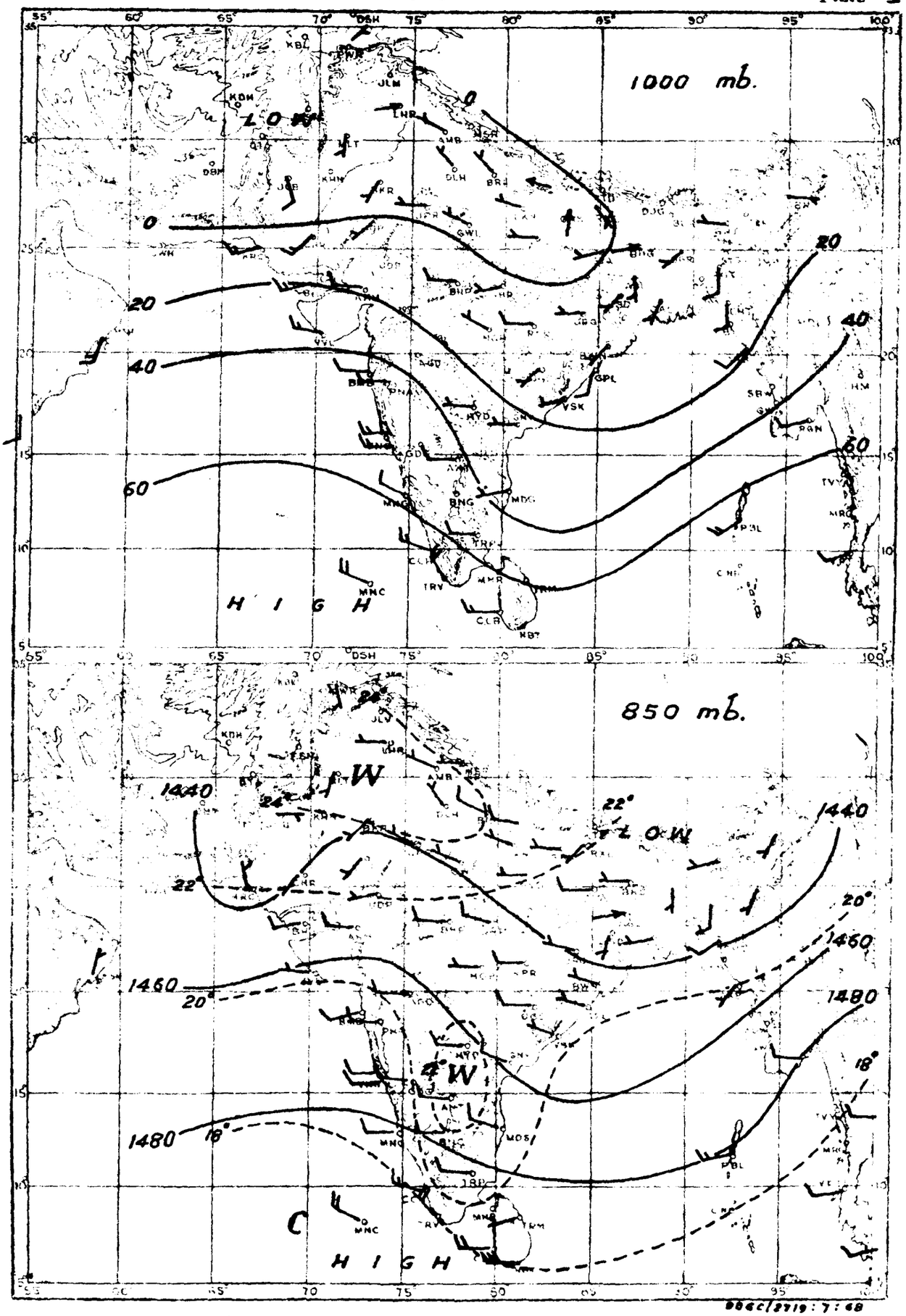
Means are not worked out for less than five observations at standard pressure surfaces.

GIPN—S6—11 1 .D.G. C bs. P./68—8-7-69—260.

MONTHLY MEAN CONSTANT PRESSURE CHARTS

AUGUST 1965

I.Met.D. Plate I



RESULTANT WIND —— 5 Knots, —— 10 Knots, —— 50 Knots

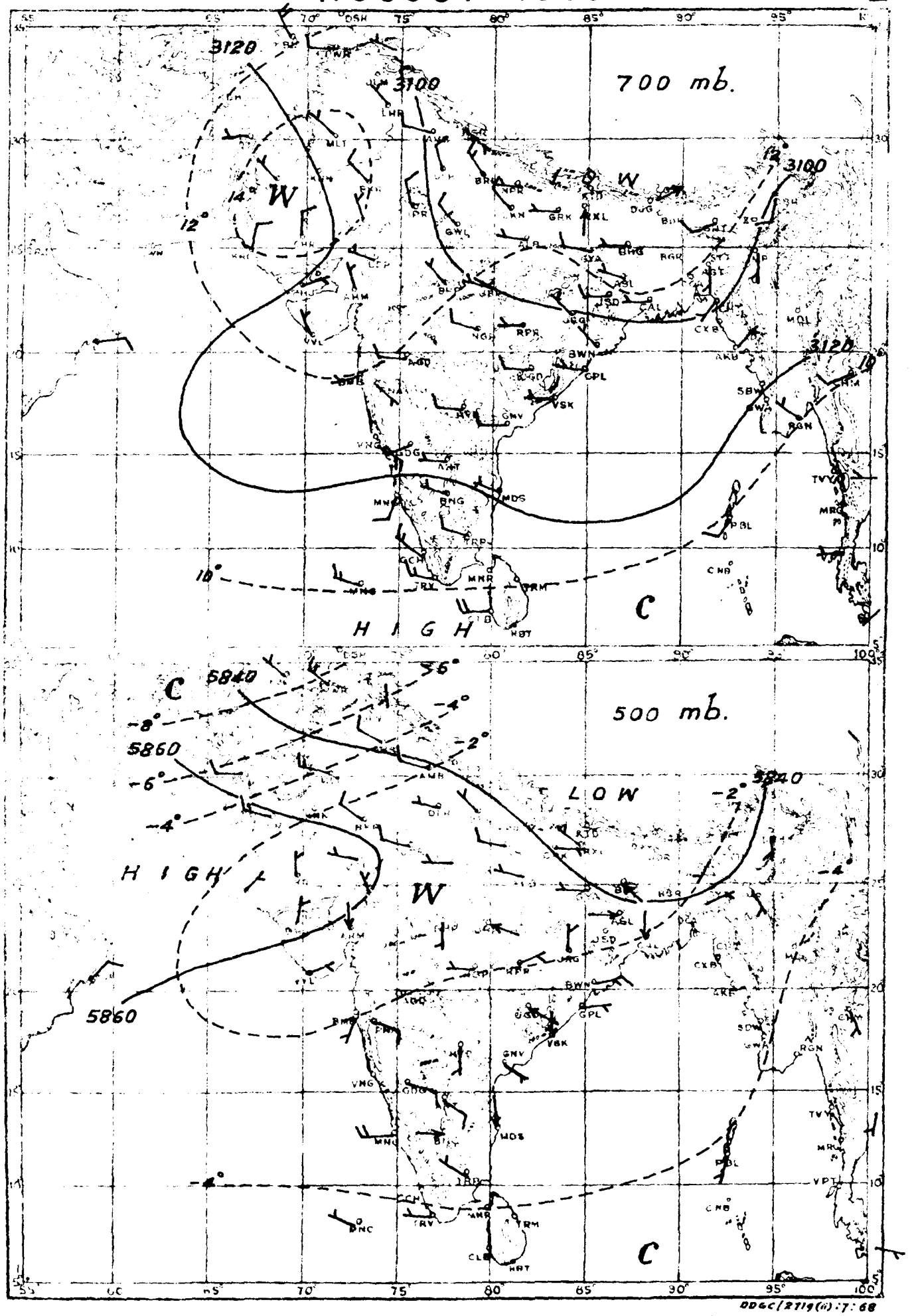
- - - - Isotherms in degrees centigrade ———— Contours in geopotential metres

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I. Met. D

AUGUST 1965

Plate II



DDGC/2719(ii):7:68

RESULTANT WIND —— 5 Knots, —— 10 Knots, —— 50 Knots.

- - - - - - Isotherms in degrees centigrade ———— Contours in geopotential metres.

G.P.Z.P. POONA, 1969

Registered No. MH-75

INDIA WEATHER REVIEW, 1965

Monthly Weather Report

September

Published by authority of the Government of India

Chief features: —

(i) Generally sub-normal monsoon activity but with a few spells of good rainfall;

(ii) Movement of last month's depression from the Bay of Bengal and of another Bay depression;

(iii) Movement of a western disturbance across northwest India; and

(iv) Withdrawal of the monsoon from northwest India, Gujarat State, Uttar Pradesh and west and northeast Madhya Pradesh.

The depression which was lying over the north and adjoining central Bay of Bengal on the last day of August moved in a westerly direction and crossed coast near Gopalpur during the day time on 1st September. Later it moved northwest-wards and weakened into a low over Uttar Pradesh by 5th. It finally merged into the seasonal low by 6th. Under its influence, there was fairly good monsoon activity over the central parts of the country and adjoining areas of north India. Some of the noteworthy amounts of rainfalls recorded were : Masulipatam and Nagpur 9 cm each on 1st, Pachmarhi 17 cm, Brahmapuri 14 cm and Haflong and Silchar 9 cm each on 2nd, Meerut 16 cm, Jhansi 15 cm, Najibabad 12 cm, Gwalior 11 cm and Delhi 9 cm on 3rd and Alwar 9 cm on 4th.

Another well marked low pressure area from the east moved into the northeast Bay of Bengal on 5th. Moving westnorthwestwards it lay over the central parts of Uttar Pradesh on 9th. Thereafter it moved slightly northwards weakened and merged into the seasonal trough of low pressure by 11th. Under its influence, the monsoon was active in the western parts of northeast India, in east Madhya Pradesh and Uttar Pradesh. Some of the heavy rainfalls recorded were : Purulia 13 cm, Jashpurnagar 12 cm, Rajgarh 11 cm, Calcutta 10 cm and Ranchi 9 cm on 6th, Jabalpur 11 cm, and Rewa 10 cm on 8th, Orai 25 cm, Cooch Behar 10 cm and Nowgong, Hardoi and Pasighat 9 cm each on 9th and Banda 20 cm, Kheri and Hardoi 19 cm each and Lucknow 9 cm on 10th. In the wake of this disturbance, the monsoon withdrew from northwest India outside east Rajasthan by about the middle of the month which is the normal date.

The monsoon was feeble over the Peninsula till 9th. A trough of low pressure developed over the central Bay of Bengal by 12th and persisted there with no appreciable movement till 15th. In association with it a few showers occurred over the Peninsula.

A low pressure area from the east moved into the north Andaman Sea on 16th. Moving westwards it intensified and concentrated into a depression by the morning of 19th with centre near Lat. 15.0°N and long. 84.0°E. It crossed the Andhra coast between Ongole and Masulipatam during the night of 19-20th. Later it moved very slowly northwestwards till 21st and then recurved northeastwards. It persisted over Bihar State from 24th but weakened and became unimportant by 27th. In the course of its movement, it caused heavy rains in the Peninsula particularly in the northern parts, in east Madhya Pradesh and northeast India. Some of the noteworthy amounts of rainfall reported were : Cuddapah 10 cm on 19th, Hyderabad 12 cm on 20th, Panjim (Goa) 12 cm, Gondia 11 cm and Brahmapuri 10 cm on 22nd, Champa 20 cm, Pendra 15 cm and Ambikapur 13 cm on 23rd, Jammu 11 cm on 24th and Sabour 35 cm, Purnea 14 cm and Patna 11 cm on 25th.

An upper air trough which appeared over the north Andaman Sea on 25th moved slowly westwards and lay over west central Bay of Bengal on 30th. In association with this development, the monsoon was fairly active in the Bay Islands and south Peninsula. Maya Bandar recorded 14 cm of rain on 26th and Long Island 10 cm on 26th and Minicoy 10 cm on 27th.

"Copyright © 1965 by the Manager of Publications, Govt. of India, Delhi-6"

1—12 D. D. G Obs P./68

A western disturbance which lay over the northern divisions of west Pakistan on 20th moved away eastwards across the Western Himalayas by 23rd. Under its influence, a few showers occurred in the Western Himalayas and adjoining plains.

The monsoon withdrew further from Uttar Pradesh, east Rajasthan, Gujarat State and west and northeast Madhya Pradesh during the last week.

The total rainfall for the month was in moderate excess in the Bay Islands and in slight excess in east Madhya Pradesh, coastal Andhra Pradesh and Telangana. It was normal in Assam, Orissa, Bihar State, Rayalaseema and north Interior Mysore. It was in slight defect in Gangetic West Bengal, Uttar Pradesh, east Rajasthan, Vidarbha and Madras State, in moderate defect in Sub-Himalayan west Bengal, west Madhya Pradesh, coastal and south Interior Mysore, Kerala and the Arabian Sea Islands and in large defect over the rest of the country.

The mean maximum temperature was above normal in Punjab, west Rajasthan, Gujarat Region, Madhya Maharashtra, Marathwada, Vidarbha, Telangana and north Interior Mysore. It was normal over the rest of the country. The mean minimum temperature was below normal in south Assam, Bihar Plains, west Uttar Pradesh, Punjab, Jammu and Kashmir and west Rajasthan. It was normal over the rest of the country.

The mean relative humidity in the morning was below normal in Punjab and Marathwada. It was normal over the rest of the country.

The mean cloud amount in the morning was above normal in Sub-Himalayan West Bengal, and below normal in Uttar Pradesh, Punjab, Jammu and Kashmir, west Rajasthan, Madhya Pradesh, Gujarat State, Marathwada Vidarbha and Telangana. It was normal over the rest of the country.

Table I contains the divisional and sub-divisional means of rainfall, temperature, humidity and cloud amount for the 15 chief political divisions and the 32 sub-divisions. The stations whose observations are used for preparing these means are given in the subsequent tables.

The highest maximum temperature given for any station in the accompanying tables is that recorded within the 24 hours ending at 0830 hrs. I. S. T. of the date noted in the succeeding column; similarly the heaviest rainfall in 24 hours for any station denotes the amount recorded during the 24 hours ending at 0830 hrs. I. S. T. of the date given in the succeeding column.

POONA 5,
The 19th October, 1965.

R. ANANTHAKRISHNAN.
for *Director General of Observatories*.

NOTE :—Description in respect of Himachal Pradesh is not included for want of normals.

	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative humidity % 0830 hrs. I.S.T.	Relative humidity % 1730 hrs. I.S.T.	Cloud 0830 hrs. I.S.T.	Cloud 1730 hrs. I.S.T.
1	2	3	4	5	6	7	8	9
Division								
1. Assam (Including NEFA, Nagaland, Manipur&Tripura)	305·2 +23·7	108	31·2 +0·3	23·1 —0·9	86 +2	82	6·5 +0·6	5·8
2. West Bengal	229·5 —68·0	77	31·9 +0·1	24·8 —0·6	83 0	80	5·1 —0·3	5·3
3. Orissa	229·5 —9·7	96	31·6 +0·6	23·8 —1·0	82 —1	78	5·1 —0·3	6·1
4. Bihar	235·7 +15·7	107	31·9 +0·3	23·7 —1·1	81 +1	77	4·6 —0·2	4·7
5. Uttar Pradesh	155·7 —28·7	84	33·3 +0·6	23·4 —0·9	77 —1	64	2·5 —0·9	2·8
6. Punjab (Including Himachal Pradesh and Delhi)*	63·6 —78·9	45	35·7 +1·6	22·1 —1·1	66 —7	47	1·4 —1·1	1·6
7. Jammu and Kashmir	12·5 —63·8	16	27·1 +0·6	12·7 —1·3	73 —5	57	1·6 —0·5	2·2
Sub-Division								
1. Bay Islands	577·8 +135·8	131	28·7 +0·3	22·9 —0·3	89 +5	91	7·1 +0·9	7·2
2. North Assam (Including NEFA)	318·5 +27·6	109	31·3 +0·3	23·9 —0·4	87 +3	82	6·5 +0·7	5·5
3. South Assam (Including Nagaland, Manipur and Tripura)	281·8 +16·9	106	31·0 +0·2	21·2 —2·0	84 +1	82	6·5 +0·4	6·2
4. Sub-Himalayan West Bengal	280·8 —159·9	64	31·3 —0·2	24·3 —0·4	85 +2	79	5·8 +1·0	4·6
5. Gangetic West Bengal	210·8 —34·6	86	32·0 +0·2	25·0 —0·7	82 0	80	4·9 —0·6	5·5
6. Orissa	229·5 —9·7	96	31·6 +0·6	23·8 —1·0	82 —1	78	5·1 —0·3	6·1
7. Bihar Plateau	231·6 +13·9	106	31·3 +0·3	23·3 —0·5	80 0	76	4·5 —0·4	5·2
8. Bihar Plains	237·6 +16·5	107	32·5 +0·4	24·0 —1·5	82 +2	78	4·6 —0·1	4·3
9. Uttar Pradesh East	167·6 —28·4	86	33·3 +0·5	24·1 —0·7	80 0	67	2·9 —0·8	2·7
10. Uttar Pradesh West	135·4 —29·2	82	33·4 +0·8	22·4 —1·3	73 —3	60	2·0 —1·0	2·9
11. Punjab (Including Delhi)	63·6 —78·9	45	35·7 +1·6	22·1 —1·1	66 —7	47	1·4 —1·1	1·6
12. Himachal Pradesh	66·5 ..	..	32·1 ..	14·2 ..	86 ..	56	1·3 ..	3·1
13. Jammu and Kashmir	12·5 —63·8	16	27·1 +0·6	12·7 —1·3	73 —5	57	1·6 —0·5	2·2
14. Rajasthan West	3·3 —43·6	7	37·3 +1·7	23·4 —1·1	67 —3	36	0·9 —1·3	1·3
15. Rajasthan East	92·5 +12·7	88	33·2 +0·7	22·6 —0·5	69 —4	51	2·5 —0·6	3·5
16. Madhya Pradesh West	143·8 —50·7	74	31·4 +0·9	21·5 —0·7	77 —5	59	3·4 +1·2	4·0

	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative humidity % 0830 hrs. I.S.T.	Relative humidity % 1730 hrs. I.S.T.	Cloud 0830 hrs. I.S.T.	Cloud 1730 hrs. I.S.T.
1	2	3	4	5	6	7	8	9
Division—(contd.)								
8. Rajasthan	47·9 —28·1	63	35·0 +1·2	23·0 —0·8	68 —4	44	1·8 —0·9	2·5
9. Madhya Pradesh	195·1 —15·8	93	31·1 +0·7	21·9 —0·7	79 —3	64	3·7 —1·1	4·3
10. Gujarat State (Including Diu, Daman, Dadra and Nagar Haveli)	9·5 —109·2	8	33·0 +1·1	23·9 —0·3	81 —2	60	2·9 —1·6	3·0
11. Maharashtra State (Including Goa)	105·3 —126·9	45	31·5 +1·3	22·4 0	80 —2	62	4·2 —1·2	5·1
12. Andhra Pradesh	171·3 +14·9	110	32·9 +0·5	24·3 —0·3	79 +1	65	5·1 —0·4	5·6
13. Madras State (Including Pondicherry)	77·7 —18·3	81	34·3 +0·7	24·7 +0·1	70 —2	62	4·5 +0·4	5·2
14. Mysore	129·3 —45·0	74	29·9 +0·8	21·1 +0·4	83 0	64	5·4 —0·2	5·9
15. Kerala	108·9 —92·8	54	29·9 +0·8	23·9 +0·2	86 +1	81	5·7 +0·1	6·1
Sub-Division—(contd.)								
17. Madhya Pradesh East	260·3 +28·6	112	30·8 +0·4	22·4 —0·6	81 —2	70	4·0 —1·0	4·7
18. Gujarat Region (Including Daman, Dadra and Nagar Haveli)	15·4 —146·9	9	33·5 +1·4	23·8 —0·1	81 —2	53	3·3 —1·5	2·9
19. Saurashtra and Kutch (including Diu)	5·8 —85·7	6	32·7 +0·9	23·9 —0·4	80 —2	63	2·7 —1·7	3·0
20. Konkan (Including Goa)	89·6 —234·7	28	30·0 +0·7	24·5 +0·4	86 0	80	4·8 —1·1	4·5
21. Madhya Maharashtra	81·6 —113·9	42	32·2 +1·9	21·0 0	80 —1	55	4·2 —0·9	5·6
22. Marathwada	47·1 —142·6	25	32·4 +1·8	21·6 +0·3	71 —9	47	3·6 —1·7	4·9
23. Vidarbha	165·3 —31·4	84	31·8 +1·1	22·4 —0·6	78 —5	59	3·8 —1·4	4·9
24. Coastal Andhra Pradesh	169·7 +22·9	116	33·2 +0·3	25·3 —0·2	79 +1	70	5·4 0	6·1
25. Telangana	201·6 +23·5	113	32·4 +1·1	22·9 —0·6	81 +1	63	4·5 —1·1	5·1
26. Rayalaseema	134·8 —15·2	90	32·9 0	23·8 +0·1	77 +3	54	5·2 —0·3	5·1
27. Madras State (Including Pondicherry)	77·7 —18·3	81	34·3 +0·7	24·7 +0·1	70 —2	62	4·5 +0·4	5·2
28. Coastal Mysore	194·6 —105·3	65	28·7 —0·1	23·5 +0·1	89 —1	83	5·7 —0·3	5·7
29. Interior Mysore North	144·3 —16·5	90	31·2 +1·3	21·3 +0·4	80 —1	57	5·4 +0·4	6·2
30. Interior Mysore South	88·4 —43·6	67	29·2 +0·8	20·2 +0·6	83 +1	61	5·3 —0·7	5·7
31. Kerala	108·9 —92·8	54	29·9 +0·8	23·9 +0·2	86 +1	81	5·7 +0·1	6·1
32. Arabian Sea Islands	111·1 —44·6	71	30·2 +0·6	25·3 +0·2	83 +3	81	5·0 +0·4	5·4

NOTE.—The entries in the second line for each division and sub-division indicate departures from normal.

*Data of Himachal Pradesh not included.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Bay Islands																														
Maya Bandar	28·9	..	31·0	10	24·0	..	22·7	12, 16	297·8	497.0	..	136·6	26	19	..	14·4	10.9	..	0	21	0	0	3	0	0	0	0	0	0
Long Island	29·4	..	32·4	10	21·9	..	20·2	21	461·2	679·6	..	132·4	27	19	..	8·2	5·0	..	0	23	0	0	0	0	0	0	0	0	0
Port Blair	28·7	+0·3	30·4	6	22·9	−0·3	21·7	19, 25	281·2	577.8	+135·8	56·5	30	24	+2·1	20·4	15·4	−1·3	0	28	0	0	3	0	0	0	0	3	0
Car Nicobar	29·3	..	30·9	3	23·9	..	21·8	9	286·1	425·1	..	75·4	28	19	..	7·2	4·6	..	0	22	0	0	0	0	0	0	0	0	0
Nancowry	29·1	..	30·4	27	24·4	..	22·2	11	114.9	422·1	..	73·6	28	15	..	9·0	10·0	..	0	24	0	0	1	0	0	0	0	0	0
Kondul	28·9	..	30·1	9	24·0	..	22·2	16	169·4	340·0	..	60·0	28	16	..	..	..	..	0	21	0	0	0	0	0	0	0	0	0
North Assam (Including NEFA)																														
Pasighat	29·1	..	35·3	5	21·2	..	18·6	18	118·8	531·1	..	86·6	9	20	..	4·3	5·1	..	0	24	0	0	3	0	0	0	0	0	0
Dibrugarh (Mohanbari)	29.9	+0·1	35.3	5	23·2	−0·2	20·9	22	68·5	418·4	+66·6	72·6	1	18	+2·6	5·6	4·1	+1·0	9	21	0	0	13	1	0	0	0	0	0
Digboi	30·1	..	36·7	5	21·9	..	20·1	22	40·8	173.9	..	39·1	20	13	..	..	..	..	0	16	0	0	0	0	0	0	0	0	0
North Lakhimpur	30.2	−1·3	35·2	5	22·6	−1·3	20·9	19	127·9	644·3	+181·0	99·8	15	20	+7·0	6·8	4·6	..	0	22	0	0	6	0	0	0	0	0	0
Sibsagar	31·4	+0·5	36 1	5	24·7	+0.1	22·0	18	36·4	255·9	+44.6	45·1	13	13	−1·8	12·5	4·7	+1.8	1	21	0	0	15	0	0	0	0	0	0
Gohpur	31·0	..	35·6	5	23·3	..	21·4	22	35·1	228·	..	32·2	10, 20	14	..	4·6	3·5	..	0	16	0	0	0	0	0	0	0	0	0
Majbat	31·9	..	36·2	5	25.8	..	23·0	21	15·0	180·4	..	36·8	26	12	..	6·0	3·5	..	0	15	0	0	3	0	0	0	0	0	0
Jorhat (Aerodrome)	31.6	..	34.7	1,4	24·3	..	21·5	18	45·2	267·4	..	71·8	1	14	..	..	..	..	0	19	0	0	11	2	0	0	0	0	0
Tangla	32.4	..	38·8	6	27·0	..	22·7	22	0	85·9	..	36·5	1	4	..	4·3	3·0	..	0	4	0	0	0	0	0	0	0	0	0
Tezpur	31·5	−0·1	35·5	6	24·3	−0·4	22·5	18, 20	24·6	288·1	+77·8	55·2	1	15	+2·3	5·0	3·5	+1·2	0	18	0	0	4	0	0	0	0	0	0
Golaghat	31·4	..	36·1	6	23·2	..	20·9	20	40·0	300·6	..	98·4	1	15	..	..	..	..	0	16	0	0	0	0	0	0	0	0	0
Rangia	32·1	..	35·5	7	23·9	..	21·0	16	38·0	126·5	..	40·1	21	9	..	6·8	4·8	..	0	12	0	0	0	0	0	0	0	0	0
Chaparmukh	32·5	..	36·2	5	24·8	..	22·4	20	0	214·8	..	68·4	8	9	..	4·6	3·8	..	0	10	0	0	5	0	0	0	0	0	0
Goalpara	31·9	..	35·1	1,9	21·8	..	19·9	19, 20	97·6	251·8	..	43·8	1	14	..	3·7	2·5	..	0	17	0	0	0	0	0	0	0	0	0
Gauhati *																														
Gauhati (Bhorjor)	31·3	−0·6	33·9	5	24·6	+0·4	22·8	21	29·4	150·0	−17·4	58·2	2	12	+2·7	6·2	4·2	..	1	18	0	0	13	0	0	0	0	0	0
Dhubri (Rupsi)	31·0	..	34·7	5	24·2	..	22·0	20	167·5	383·8	..	102·1	18	13	..	(c) 6·8	(c) 6·0	..	0	15	0	0	13	1	0	0	0	0	0
Dhubri	31·7	+1·9	34·0	1	23·9	−1·3	21·1	19	154·4	285·8	−70·3	65·0	27	11	−1.5	5·6	6·6	+1·3	0	14	0	0	5	0	0	0	0	0	0
Lumding	33·0	+1·6	36·5	6	23·9	−0·1	21·9	19	82·2	187·3	−0·2	59·6	26	9	−1·8	4·8	3·2	..	0	10	0	0	0	0	0	0	0	0	0
South Assam (Including Nagaland, Manipur, Tripura)																														
Tura	29·3	..	34·1	5	23·2	..	21·7	19	193·0	278·6	..	76·5	27	14	..	4·2	4·1	..	0	21	0	0	0	0	0	0	0	0	0
Haflong	26·3	..	29·7	2	19·7	..	18·0	18	65·6	300·6	+48·6	90·2	2	11	−1·9	7·0	5·0	..	0	15	0	0	2	0	0	0	0	0	0
Silchar (Kumbhirgram)	31·7	..	34·6	25	..	..	..	..	38·2	353·4	..	81·8	26	16	..	5·5	5·1	..	0	20	0	0	16	1	0	0	0	0	0
Silchar	32·3	+0·2	36·7	25	21·6	−3·0	19·5	19	119·7	504·5	+115·4	90·0	2	15	−1·2	1·8	1·1	−1·0	0	21	0	0	14	0	0	0	0	0	0
Imphal (Tulihal)	29·1	+0·3	32·2	4	18·9	−1.6	17·3	21	30·5	123·5	−12·2	30·5	7	8	−2·4	6·7	4·4	0	2	20	0	0	6	0	0	0	0	0	0
Kailashahar	31·9	..	35·0	5	24·2	..	21·9	19	75·3	223·9	..	48·8	26	11	..	2·9	3·6	..	5	15	0	0	18	2	0	0	0	0	0
Agartala	31·6	+0·2	33·6	17	23·2	−1·3	21·1	19	147·6	198·7	−84·3	52·4	21	15	+1.3	14·9	11·2	+4·8	0	23	0	0	11	3	0	0	0	0	0
Sub-Himalayan West Bengal																														
Baghdogra	31·2	−0·5	35·4	5	23·5	−0·4	20·8	19	41·0	300·3	−33·4	100·3	15	16	+1·8	8·7	9·1	+4.0	0	19	0	0	15	0	0	0	0	0	0
Jalpaiguri	30·6	−0·6	34·9	5	23·9	−0·5	21·8	20	21·4	398·2	−140·8	79·8	21	18	+1·6	7·8	5·7	+3·3	0	21	0	0	17	0	0	0	0	0	0
Cooch Behar	31·1	..	35·1	5	23·8	..	20·4	20	122·5	299·9	−297·5	90·6	19	17	−0·1	5·2	3·6	..	1	22	0	0	16	2	0	0	0	0	0
Balurghat	32·2	..	35·1	5	24·3	..	22·3	9	77·4	329·6	..	49·8	9	15	..	6·2	5·1	..	0	20	0	0	4	0	0	0	0	0	0
Malda	32·7	+0·5	35·5	17	25·5	−0·2	23·4	24	55·2	124·8	−167·8	35·8	25	9	−2.6	3·9	2·9	−3·4	0	16	0	0	11	0	0	0	0	0	0
Gangetic West Bengal																														
Berhampore	32·8	+0·8	35·3	18	25·1	−0·8	23·4	29	110·3	167·8	−64·4	24·5	11	13	+1·5	3·7	3·1	−0.9	0	15	0	0	5	0	0	0	0	0	0
Suri	32·3	..	35·4	17	24·8	..	22·3	5	..	219·5	..	91·0	5	12	..	..	5.2	..	0	14	0	0	2	0	0	0	0	0	0
Asansol	32·6	+0·4	36·2	17	24·8	−0 2	21·6	26	80·7	96·9	−112.6	49·7	6	11	+0·3	7·5	5·3	−1·1	0	11	0	0	5	0	0	0	0	0	0
Shanti Niketan	32·2	..	35·3	17	25·0	..	23·1	25, 26	65·1	157·4	..	52·2	5	10	..	7·2	6·8	..	1	14	0	0	11	0	0	0	0	0	0
Krishnanagar	33·2	+0·9	36·3	15,16	24·3	−1.3	22·5	20, 30	189·9	273·9	+71·7	50·0	21	13	+1·8	1·6	1·3	−3·2	0	17	0	0	8	0	0	0	0	0	0
Purulia	31·8	+0·4	34·9	17	23.8	−0·5	21·0	28	88·2	212·8	−56·4	126·6	6	8	−5·0	6·6	4·9	+0·1	0	14	0	0	11	0	0	0	0	0	0
Bankura	33·0	..	36.5	17	24·7	..	22·1	26	69·8	130·3	−69·6	31·6	20	9	−2·0	3.4	2.3	..	0	11	0	0	0	0	0	0	0	0	0
Burdwan	32.7	+0·5	35·5	18	25·7	−0·2	23·7	25	61·9	123·4	−100·1	37.0	5	9	−2·3	..	..	..	0	13	0	0	0	0	0	0	0	0	0
Barrackpore (Aerodrome)	31.9	..	34·5	17	25·4	..	23·8	5	127·2	222·4	..	53·6	5	11	..	..	..	..	0	13	0	0	16	2	0	0	0	0	0
Calcutta (Dum Dum)	31·9	0	34·2	14	25·7	−0·2	23·8	19	143·6	344·8	+58·4	57·2	19	16	+2·6	9·1	6·5	−1.9	0	20	0	0	18	0	0	0	0	0	0
Calcutta	32·0	−0·2	34·7	17	25.5	−0·1	23·1	29	146·5	346·7	+94·0	104·1	6	15	+1·8	7·8	5·7	+1·2	2	16	0	0	16	0	0	0	0	0	0
Midnapore	31·7	−0·4	34·5	14,1	23·7	−1·9	21·6	21	90·2	159·4	−56·7	27·2	24	12	−0.1	5·5	3·8	+0·7	0	16	0	0	2	0	0	0	0	0	0

*Observatory closed down from 16-9-1965.

(c) Mean of 25 days.

Sub-Division and station	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2·5mm. or more): Total in the month	Departure from normal	Wind speed, km. per hour: Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Weather phenomena—No. of days with: Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28	29
Gangetic West Bengal— *(contd.)*																													
Contai	31·2	+0·1	34·6	14	24·8	−1·1	22·4	21	117·4	279·9	−64·9	62·0	21	13	−1·1	8·7	6·8	−1·4	0	13	0	0	0	0	0	0	0	0	0
Saugar Island	30·4	−0·5	32·9	13	26·2	−0·2	24·1	29	100·4	183·4	−79·5	42·0	23	14	+1·1	16·0	15·8	+2·3	1	16	0	0	5	0	0	0	0	0	0
Sandheads	31·8	..	35·4	16	26·1	..	23·5	22	(b) 136·9	(b) 204·7	..	..	..	..	..	..	..	..	..	..	0	0	1	0	0	0	0	0	0
Orissa																													
Baripada	32.7	..	35·6	17	23·9	..	22·3	28	246·1	333·4	..	88·1	23	13	..	3·2	1·8	..	0	15	0	0	13	0	0	0	0	0	0
Jharsuguda	32·1	+0·8	35·0	17	24·1	−0·3	22·4	27	64·0	163·5	−92·2	28·0	6	12	−1·1	9·8	7·2	0	0	16	0	0	9	0	0	0	0	1	0
Keonjhargarh	30·0	..	32·4	15, 16,18	..	..	..	..	179 0	264 0	..	75 0	22	13	..	7·6	5·6	..	1	15	0	0	0	0	0	0	0	0	0
Balasore	31·8	+0·2	34·6	12	23·8	−1·8	21·9	28	223·1	362·4	+81·5	63·5	20	15	+2·1	8 2	6·0	+2·0	0	17	0	0	12	0	0	0	0	0	0
Sambalpur	32·5	+1·0	34·3	18	23·4	−0·5	20·3	10, 11	20·0	121·7	−108·2	28·5	3	9	−2·4	9·2	7·4	+2·9	0	10	0	0	0	0	0	0	0	0	0
Angul	32·2	+0·6	35·4	16	22·5	−2·2	20·6	29	196·8	255·9	+69·2	33·8	30	17	+5·9	6·4	6·3	+0·2	0	18	0	0	9	0	0	0	0	0	0
Chandbali	32·1	+0·5	34·4	12	24·8	−0·9	23·0	6	133·5	243·9	+17·3	38·2	20	17	+2·9	9·1	6·5	−1·7	0	17	0	0	0	0	0	0	0	0	0
Bolangir	32·1	..	34·5	16,17	23·5	..	21·2	6	(b) 40·4	184·2	..	89·0	6	7	..	(b) 6·2	6·4	..	0	10	0	0	1	0	0	0	0	0	0
Phulbani	29·9	..	32·8	18	22·6	..	20·4	26	115·3	228·7	..	49·8	6	15	..	5·7	3·1	..	0	17	0	0	2	0	0	0	0	0	0
Cuttack	33·1	+0·9	35·9	17	24·3	−1·1	22·5	6	105·8	195·8	−52·1	30·2	19	10	−2·6	6·0	4·5	+1·6	0	11	0	0	6	0	0	0	0	0	0
Titlagarh	33·5	..	35·1	18	24·3	..	22·8	28	29·2	86·7	..	24·5	23	7	..	6·8	4·5	..	0	9	0	0	1	0	0	0	0	0	0
Bhubaneswar	32·0	+0·6	34·4	13	24·3	−0·8	22·7	29	127·4	287·3	−17·7	55·2	1	15	+1·6	13·4	9·1	−1·8	2	18	0	0	13	0	0	0	0	0	0
Puri	31·8	+0·4	35·0	12	24·9	−1·6	22·8	19	85·8	194·2	−35·7	50·0	19	10	−2·1	20·3	17·0	+4·0	0	12	0	0	4	0	0	0	0	0	0
Gopalpur	31.8	+0·4	35·4	18	25·4	−0·4	23·1	21	80·0	240·6	+50 6	91·4	21	9	−0 5	16·4	14·1	+3·6	1	14	0	0	10	0	0	0	0	0	0
Koraput	(c) 26·7	+0·4	..	..	(c) 20·4	+0·3	..	..	(c) 35·7	(c) 152·6	..	..	..	..	..	..	..	..	..	..	0	0	2	0	0	0	0	0	0
Bihar Plateau																													
Dumka	32·8	+1·1	36·5	18	24·6	−0·2	22·4	26	32·2	222·7	−20·9	76·4	25	10	−2·5	10·5	5·6	+2·5	0	13	0	0	1	0	0	0	0	0	0
Daltonganj	32·4	+0·3	35.4	16, 17,18	23·4	−0·7	21·2	30	(b) 63·0	(b) 190·5	..	0	..	..	..	6·4	5·1	+0·6	..	..	0	0	3	0	0	0	0	0	0
Hazaribagh	28·9	−0·4	32·4	5	21·3	−1·1	19·0	28, 29	116·5	208·1	−19·0	69·4	24	8	−3 5	10·6	8·4	−0·1	0	15	0	0	4	4	0	0	0	0	0
Dhanbad	31·5	..	36·0	17,18	23.0	..	20·5	26	59·7	152·3	..	75·5	6	8	..	12·6	5·1	..	0	9	0	0	2	0	0	0	0	0	0
Ranchi	29·1	+0 2	31·1	21	23·2	+1·0	19·9	26	149·3	393·4	+157·2	87·0	6	12	−0·3	7·9	5·4	−1 0	0	12	0	0	2	0	0	0	0	0	0
Ranchi Aerodrome	28·2	..	31·4	17	21·7	..	19·6	22	125·5	275·4	..	68 8	24	10	..	11·9	9·7	..	0	14	0	0	2	0	0	0	0	0	0
Jamshedpur	32·4	+0·2	35·8	17	24·2	−1·1	21·5	26	98·6	167·7	−12 9	79·3	6	10	−1·2	8·2	5·7	+0·7	0	14	0	0	4	0	0	0	0	0	0
Jamshedpur(P.B.O.)	31·9	..	34·5	15,18	24·5	..	21·7	26	139.8	196·1	..	76·3	6	10	..	8·0	5·8	..	1	14	0	0	12	0	0	0	0	0	0
Chaibasa	31·9	+0·1	34·8	18	23·3	−1·1	21·7	22, 25	146·4	166·2	−34·7	47·2	67	9	−2·6	4·7	3·1	+0·5	0	14	0	0	6	0	0	0	0	0	0
Bihar Plains																													
Motihari	31·7	−0 3	33·5	1,16	22·7	−2·3	19·4	24	44·0	84·4	−145·5	27·6	24	8	−1·1	7·1	4·5	−0·3	0	10	0	0	0	0	0	0	0	0	0
Forbesganj	3.·1	..	34·6	5	23.7	..	20·4	25	91·2	291·8	..	64·8	25	12	..	8·1	5·8	..	0	14	0	0	10	1	0	0	0	0	0
Darbhanga	33·6	+1·8	37·6	17	24·2	−1 6	19·4	25	71·0	251·4	+16 7	87·3	25	10	+0 6	6·3	6·4	+2·2	0	11	0	0	4	0	0	0	0	0	0
Muzaffarpur	..	..	..	..	..	..	..	..	..	189 5	−30·2	52·1	25	10	+0 5	..	..	..	0	13	0	0	0	0	0	0	0	0	0
Chapra	32·5	..	35·6	6	25·1	..	21·0	25	46·8	115·3	−74 7	36·3	24	11	+2·3	11·4	14·5	..	0	12	0	0	0	0	0	0	0	0	0
Purnea	31·5	−0·2	34·9	5	22·5	−2·7	19·3	25, 29	73·0	271·4	−23·2	144·8	25	9	−2·5	2·8	1·4	+1·7	0	10	0	0	0	0	0	0	0	0	0
Patna	32·7	+0·6	35·4	4 days	24·1	−2·0	19·8	25, 26	65·2	199.4	−19 0	108·4	25	9	−0·2	8·8	8·2	+2·9	0	12	0	0	2	0	0	0	0	0	0
Patna Aerodrome	31·9	..	34·5	5	24·8	..	20·5	25	49·9	191·9	..	126·4	25	8	..	9·1	6·7	..	2	10	0	0	6	0	0	0	0	0	0
Arrah	..	..	..	..	..	..	..	..	..	37·0	−171 0	15·1	26	4	−5·5	..	..	..	0	5	0	0	0	0	0	0	0	0	0
Bhagalpur	32·9	+0·4	35·7	5	25·4	−0·5	23·0	25	350·1	603·6	+358·0	352·8	25	12	+1·1	8·6	6·7	+0·7	0	12	0	0	11	0	0	0	0	0	0
Sabaur	32·8	+1·0	36·0	5	24·8	−0·9	22·2	25	287·4	537·6	+325 3	346·2	25	11	+1·2	9 2	6·8	−0 4	0	15	0	0	13	0	0	0	0	0	0
Jamui	31·9	..	34·4	5,18	24·1	..	21·6	26	65·4	330·4	..	161·2	24	7	..	6·3	4·4	..	0	8	0	0	1	0	0	0	0	0	0
Deoori	32·0	..	35·0	17	24·9	..	21·9	24, 25	40·2	115·4	−72·3	30·8	24	7	−1·9	6·1	4·6	..	0	9	0	0	0	0	0	0	0	0	0
Gaya	32·2	−0·3	35·0	17	24·6	−0·5	21·2	25	87·5	208·3	+17·8	73·5	24	11	+1·7	12·7	9·4	+2·2	0	13	0	0	8	0	0	0	0	0	0
Uttar Pradesh East																													
Kheri	33·3	+0·6	36·0	7	24·6	+0·1	21·7	30	63·1	229·4	+74·9	194·0	10	3	−4·3	4·2	2·6	−0·4	0	3	0	0	1	0	0	0	0	0	0
Bahraich	33·5	+0·6	35·4	16,17, 30	24·5	−0 2	21·5	24	90·6	129·0	−88·9	77·4	11	4	−3·3	9·0	6·1	+2·9	0	4	0	0	0	0	0	0	0	0	0
Nautanwa	32·4	..	35·2	6	23·4	..	20·0	24	26·4	129·2	..	52·2	11	7	..	..	..	..	0	7	0	0	0	0	0	0	0	0	0
Hardoi	33·3	+0·2	35·2	30	23·3	−1·7	20·8	24	67·9	263·3	+77·7	186·4	10	5	−1·6	7·4	5·5	−0·3	0	5	0	0	0	0	0	0	0	0	0
Gonda	33·0	+0·2	35·2	16	23·3	−1·8	20·0	25	31·0	107·8	−124·4	59·2	9	3	−7·2	6·3	5·0	0	0	3	0	0	0	0	0	0	0	0	0
Lucknow	33·4	+0·1	35·2	19	23·4	−1·3	20·1	30	24·6	224·4	+36·4	153·4	10	6	−1·9	2·3	1·4	−1·3	0	6	0	0	0	0	0	0	0	0	0
Lucknow (Amausi)	33·3	0	35·0	4 days	23.6	−0 1	18·2	30	56·9	158·7	−29·3	90·4	10	5	−2·9	10·6	8·0	..	0	6	0	0	7	0	0	0	0	0	0
Faizabad	33·3	..	35·6	6	23·3	..	19·8	25	16·8	52·8	..	26·0	9	4	..	5 0	3·1	..	0	5	0	0	2	0	0	0	0	0	0
Gorakhpur	33·4	+1 0	36·2	6	25·0	−0·1	21·5	24, 25	72·3	221·2	+4·8	56 0	9	8	−1·3	6·9	5·1	+2·4	0	9	0	0	0	0	0	0	0	0	0
Kanpur	33·9	+1·2	35·9	28,30	24·3	−0·3	23·1	23	37·8	127·6	−44·9	63 8	10	3	−4·3	13·0	9 2	+1·0	0	3	0	0	2	0	0	0	0	0	0
Kanpur (Aerodrome)	34·5	..	36·2	28	24·4	..	21·2	30	78·9	113·9	..	64·3	10	3	..	..	..	..	0	4	0	0	4	0	0	0	0	0	0
Sultanpur	32·4	..	36·0	6	23·9	..	20·7	23	0	44·8	..	26·4	9	2	..	·7	5·0	..	0	2	0	0	2	0	0	0	0	0	0

(b) Mean or total 29 days.

(c) Mean or Total of 29 days.

Sub-Division and Station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Uttar Pradesh East—(*contd.*)																													
Azamgarh	32·7	..	36.7	18	22.7	..	19·0	23	71·0	116·0	..	27·0	9	9	..	5·3	4·2	..	0	9	0	0	1	0	0	0	0	0	0
Fatehpur	33·7	+0·9	36·1	28	24·1	—0·7	21·3	30	83·4	130·9	—9·0	52·0	9	5	—3·6	8·2	5·3	+1·0	0	7	0	0	1	0	0	0	0	0	0
Ballia	32·0	..	35·0	5	26 1	..	21·8	24	13·6	81·0	..	22·6	6	6	..	4·8	4·3	..	0	8	0	0	0	0	0	0	0	0	0
Banda	33·2	..	36·8	28	24 1	..	20·8	30	117·0	288·2	..	201·4	9	5	..	2·8	1·7	..	0	5	0	0	0	0	0	0	0	0	0
Allahabad (Bamhrauli)	33·5	+0 4	36·6	18,30	24·3	—0·5	20·8	25	120·3	149·3	—63·0	67·0	7	6	—3·5	7·7	5·3	—0·7	0	7	0	0	5	0	0	0	0	1	0
Varanasi (Babatpur)	32·5	+0·2	35·6	18	24·5	—0·9	21·4	25	76·7	149·7	—111·3	40·8	8	7	—3·0	13·1	10·9	+2 2	0	9	0	0	8	0	0	0	0	0	0
Varanasi	33·0	+0·2	36·0	5,17,18	23·7	—1·5	20·3	25	50·6	119·6	—63·8	36·4	6	7	—1·7	8·4	8·7	+4·2	0	9	0	0	0	0	0	0	0	0	0
Uttar Pradesh West																													
Mukhim	23·3	..	25·3	7,17	14·6	..	11·3	22	107·9	137·7	..	36·3	21	9	..	..	..	..	2	12	0	3	12	1	0	0	0	0	0
Tehri	32·3	..	34·5	7	20·2	..	16·4	22,28	36·5	41·8	..	26·3	10	3	..	4·0	2·3	..	2	4	0	0	5	0	1	0	0	0	0
Dehra Dun	29·9	+0·6	31·9	6	19·3	—1·5	15·7	29 22	60·3	113·4	—156·3	8·8	9	4	—6·9	4·0	3·1	+0·5	0	8	0	0	8	0	0	0	0	0	0
Massiari	21·4	..	23·7	2,15	11·8	..	8·6	24	..	183·9	..	62·1	11	9	..	..	..	..	2	16	0	0	0	0	0	0	0	0	0
Roorkee	33·2	+0·7	35·1	15,16	21·0	—1·8	16·6	29	33·7	40 6	—121.2	18·8	22	3	—3·0	5·9	3·7	+1·0	0	6	0	0	0	0	2	0	0	0	0
Najibabad	33·7	..	35·2	16	20 2	..	16·1	29	120·6	178 8	..	122·4	3	3	..	4·2	4.8	..	0	3	0	0	2	0	0	0	0	0	0
Meerut	34·1	+0·9	37·2	30	21.2	—2·5	18·5	28	..	(b) 179 0	..	..	..	..	..	..	5·4	..	..	..	0	0	0	0	0	0	0	0	0
Bareilly	34·5	+1·8	36·5	29	24·1	—0·2	19·6	29	53·8	84·2	—106·3	48·0	10	4	—2 8	8·9	5·7	+3·1	1	8	0	0	3	0	0	0	0	0	0
Aligarh	..	..	..	..	23·6	—0·8	21·2	29	149·0	166·0	+31·4	79·4	5	4	—2·1	10·9	7·6	+1·3	0	5	0	0	0	0	0	0	0	0	0
Mainpuri	34·4	+0.6	37 0	28	22·8	—1·4	19.6	29,30	50·0	105·3	—24·0	40·0	9	5	—1·4	3·9	3·4	+0·5	0	5	0	0	1	0	0	0	0	0	0
Agra	33·9	+0·1	37 0	30	23·7	—0·9	21·6	27,30	70·8	127·8	+11·5	73·7	3	6	+0·4	2·5	2·1	—3·4	0	6	0	0	0	0	0	0	0	0	0
Agra (Aerodrome)	34 3	..	37·8	28	23·1	..	20·6	28,30	123·4	165·4	..	85·4	3	5	..	..	..	..	0	7	0	0	6	0	1	0	0	0	0
Orai	33 6	..	36·0	29	24·1	..	22·4	25,29	110·5	321·5	..	253 0	9	6	.	..	..	..	0	6	0	0	0	0	0	0	0	0	0
Jhansi	33·8	+0 6	37·0	30	23·2	—0·9	21·5	30 29	46·0	310.5	+160·6	153 0	3	6	—1·0	6·5	6·0	—1·2	0	6	0	0	0	0	0	0	0	0	0
Punjab (Including Delhi)																													
Pathankot	34·8	+2·0	36·7	15,16	20·9	—1·5	16·5	27	5·7	6·2	—165·1	3·9	22	2	—5·5	..	..	..	1	3	0	0	4	0	0	0	0	0	0
Bhuntar	29·3	..	31·7	17	14·8	..	9·7	27	21·0	30·1	..	14·5	3	2	..	11·2	6·4	..	1	5	0	0	5	0	0	0	0	0	0
Amritsar (Rajasansi)	36·4	+2·0	39·3	9	21 8	—1·6	17·2	30	0	0	—95·1	0	..	0	—3·8	7·9	5·9	—1·2	0	0	0	0	1	0	3	0	0	3	0
Adampur (Aerodrome)	36·4	..	39·4	15	20·8	..	16·1	28, 30	0	0	..	0	0	0	..	..	..	..	0	0	0	0	1	0	0	0	0	0	0
Ludhiana	37·4	+2·5	40·2	16	20·9	—2.9	16·4	28	7.4	7·4	—92·9	6·0	22	1	—2·8	6·0	3·2	+1·3	0	2	0	0	1	0	0	0	0	0	0
Ferozepur	36·4	..	39·0	11	21·9	..	17·7	30	0	0	..	0	..	0	..	2·6	2·0	..	0	0	0	0	1	0	1	0	0	0	0
Halwara (Aerodrome)	35·5	..	38·9	9	20·4	..	14.9	30	11·1	11·1	..	6·3	22	2	..	..	..	..	0	2	0	0	3	0	0	0	0	0	0
Chandigarh	34·2	+1.7	37·6	17	22·3	+0·1	18·4	26	35·0	38·7	—187 7	33·7	3	2	—4·7	..	..	..	0	2	0	0	0	0	0	0	0	0	0
Ambala	35·9	+1·5	38 2	17	22·9	—0·4	19·8	28	50·4	50·4	—79·4	50·4	3	1	—3·7	6·5	4·1	+0·6	0	1	0	0	0	0	0	0	0	0	0
Ambala (Aerodrome)	34·9	..	36·6	16	22·0	..	15·0	28	3·0	7·0	..	7·0	4	1	..	..	..	..	0	1	0	0	1	0	0	0	0	0	0
Patiala	35·6	..	37·9	9,16	22·5	..	17·9	28	1·0	1·0	—221·8	1·0	4	0	—6·0	9·2	6·4	..	0	1	0	0	0	0	0	0	0	0	0
Bhatinda	37.0	..	39·4	7,8,9	22·1	..	18·4	30	0	0	..	0	..	0	..	6·7	4·1	..	0	0	0	0	0	0	0	0	0	0	0
Karnal (R)																													
Hissar	36·7	+0.8	38·8	8	23·3	—0·3	19·5	28	200·6	208·2	+136·8	159·6	3	3	—0·1	8·1	6·4	—0 2	0	3	0	0	2	0	0	0	0	0	0
New Delhi (Safdarjung)	34.2	+0.5	36·3	16,30	22 9	—1·4	20·7	3.22	161·3	196·8	+73·9	86·3	3	3	—1·6	15·1	10·4	+1 4	0	4	0	0	3	0	0	0	0	0	0
Palam (Aerodrome)	34·1	..	36·4	16	22·2	..	19·6	30	64·1	130·4	..	76·5	3	5	..	..	..	..	0	5	0	0	4	0	0	0	0	0	0
Himachal Pradesh																													
Mandi	31·8	+1·9	35.9	7	14·2	—5 1	9·7	26	49.4	57·4	—166·0	26.2	21	4	— 9	2·5	2·5	+0·6	0	7	0	0	0	0	0	0	0	0	0
Bilaspur	32·3	..	34·8	16	..	..	..	..	40·0	75·5	..	22·0	1	6	..	..	..	..	0	6	0	0	0	0	0	0	0	0	0
Jammu and Kashmir																													
Misgar (R)																													
Gilgit (R)																													
Skardu (R)																													
Dras (R)																													
Sonemarg (R)																													
Leh (R)																													
Srinagar	27 5	—1·1	29·7	1	11·0	—0·9	6 3	30	3·0	11·8	—27·1	11·8	19	1	—2·5	4·5	3·9	+0·4	0	1	0	0	1	0	0	0	0	0	0
Srinagar (Aerodrome)	26.6	..	30·2	7	11·7	..	6·6	27	0	0	..	0	..	0	..	..	..	..	0	0	0	0	4	0	0	0	0	0	0
Gulmarg	18·1	+0 6	23·0	2	5·0	—1·2	2·8	30	20·6	24·8	—41·7	6.8	27	3	—2·3	9·6	5·4	+0·7	1	10	0	0	8	0	0	0	0	0	0
Qazigund	25.6	..	29·4	17	9·7	..	4·4	27	0.6	21·7	..	20·1	19	1	..	4·0	2·3	..	0	3	0	0	7	0	0	0	0	0	0
Banihal	26·7	..	30.0	6	10·9	..	6·2	26	0·2	7·4	..	6·2	19	1	..	..	..	..	1	2	0	0	1	0	0	0	0	0	0
Jammu	35·7	+2·4	..	..	22.0	—1·9	19 4	26	0	1.0	—122·7	1·0	25	0	—4·7	4·8	4·2	..	0	1	..	..	..	..	..	..	..	..	..
Jammu (Aerodrome)	35·6	..	38·0	8	22·9		..	..	0	0	..	6·0	25	1	..	..	..	..	0	1	0	0	4	0	2	0	0	2	0

(R) Register not received.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, kms. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Rajasthan West																													
Ganganagar	38·5	+2·1	41·9	8	22·4	−2·5	18·0	30	0	0	−95·4	0	..	0	−3·6	6·8 (h)	4·2 (g)	−0·6	0	0	0	0	0	0	0	0	0	0	0
Anupgarh † Mahajan	38.9	..	42·3	8	25·1	..	..	..	..	..	..	..	..	..	..	13·4	9·9	..	.	..	0	0	0	0	0	0	0	0	0
Churu	37·0	..	38.9	21	23·2	..	20·7	28	20·6	26.0	..	21·8	4	2	..	15·1	10·5	..	0	3	0	0	4	0	1	0	0	0	0
Bikaner	38·8	+2·5	41.8	7	24·7	−0·4	22.9	17	0	0	−33·3	0	..	0	−2·1	14·7	11.9	+3·2	0	0	0	0	1	0	0	0	0	0	0
Nagaur	36·6	..	39.0	26	24·1	..	21·1	30	0	0	..	0	..	0	..	11.4	9·6	..	0	0	0	0	0	0	0	0	0	0	0
Phalodi	37·6	..	39·3	6	22·4	..	20·0	4	0	0	−26·4	0	..	0	−2·0	16·8	15·7	..	0	0	0	0	1	0	0	0	0	0	0
Jaisalmer	38·0	..	41·5	6	22.6	..	20·8	days 5	0	0	..	0	..	0	..	19.7	18.1	..	0	0	0	0	0	0	0	0	0	0	0
Jodhpur	35·5	+0·9	39.3	20	27.7	−1·1	20.6	days 30	0	4·0	−57·0	4·0	4	1	−1·8	13.6	10·3	−1·4	0	1	0	0	3	0	0	0	0	2	0
Barmer	36·6	+1.5	39·0	5	23·9	−0·4	21·8	30	0	12·6	−5·9	12·6	22	1	−0·4	9·3	8·7	−10·5	0	1	0	0	2	0	0	0	0	0	0
Erinpura (Jawai Dam)	33·8	..	37·6	21	23·1	..	18·8	22	24·8	28·8	..	26·8	22	1	..	4·9	5·3	..	0	2	0	0	0	0	0	0	0	0	0
Munabao*		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rajasthan East																													
Pilani	36·2	..	38·5	30	21·4	..	18·5	30	4·0	15·8	..	10·8	1	2	..	14·0	11·1	..	0	3	0	0	0	0	0	0	0	0	0
Sikar	34·8	..	36·8	30	20·9	..	17·4	20	8·2	36·4	..	25·1	3	3	..	..	.	..	0	3	0	0	0	0	0	0	0	0	0
Alwar	34·2	..	37·3	16	23·3	..	20·8	30	10·7	98·3	..	87·8	4	3	..	3·1	2·0	.	0	5	0	0	1	0	0	0	0	0	0
Jaipur (Sanganer)	33·7	−0·2	36·1	26	22·4	−0·3	19·8	24	21·0	47·3	−34·5	14.6	5	5	+0·3	..	..	..	0	6	0	0	4	0	0	0	0	0	0
Dholpur	34·1	..	37·0	30	23·0	..	19·7	30	96.2	148·0	..	45·2	3	5	..	6·6	4.3	..	0	7	0	0	6	0	0	0	0	0	0
Ajmer	33·5	+1·3	37·6	21	23.6	0	20·8	20	26·4	30·8	−37·8	28·4	4	1	−3·0	9·7	11·0	+4·4	0	3	0	0	3	0	0	0	0	0	0
Tonk	34.3	..	38·4	27	24·6	..	22·0	21	12·9	17·3	..	9·6	6	2	..	11.8	9.0	..	0	5	0	0	0	0	0	0	0	0	0
Bhilwara	33·7	..	37·4	30	21·0	..	19·4	20	32·0	92·0	..	44·2	3	3	..	6·9	5·0	..	0	6	0	0	2	0	0	0	0	0	0
Kota	33·9	+0·4	36·8	30	24·8	+0·1	20·6	3	67·0	127·8	+8·2	35·0	3	6	+0·3	10·8	8·3	+4·1	0	9	0	0	3	0	0	0	0	0	0
Kota (Aerodrome)	34·2	..	37·5	26	24·0	..	22·0	7,8	35·7	109·9	..	34·6	7	5	..	11.2	11·2	..	1	8	0	0	6	0	0	0	0	0	0
Chambal (Rawat Bhatta Dam)	33·4	..	36·7	30	22·8	..	21·6	7,12, 23	43·8	147·5	..	50·0	7	7	..	9·5	6·5	..	0	7	0	0	2	0	0	0	0	0	0
Udaipur	31·9	+1·0	35.3	30	20·5	−1·3	18·2	28	25·8	49·4	−48·4	13·6	4	5	−0·4	5·1	2·8	..	0	6	0	0	5	0	0	0	0	0	0
Jhalawar	33·0	+1·1	36·9	27	21.7	−1·2	19·5	28	74·2	207·2	+49·0	67.4	3	7	+0·1	8·5	5·9	+0·9	0	7	0	0	0	0	0	0	0	0	0
Banswara	23·3	..	35·8	24,27	22·4	..	21·0	24	19·6	65·7	..	24·2	3	5	..	8·8	6·0	..	0	5	0	0	0	0	0	0	0	0	0
Madhya Pradesh West																													
Gwalior	32·9	+0·6	35·9	30	23·1	−1·3	19·9	29	95·1	224·6	37·4	109.6	3	5	−2·4	11·0	6·7	..	0	8	0	0	8	0	0	0	0	0	0
Sheopur	33·8	+1·3	37·4	30	22.9	−0·6	20·9	27	112·2	145·8	−33·4	49·6	4	5	−1.0	9.3	6.9	+0·8	0	6	0	0	1	0	0	0	0	0	0
Shivpuri	31·3	..	34·8	30	20·2	..	17·8	29	92·4	130·4	..	56·2	3	6	..	9·7	6·5	..	0	7	0	0	0	0	0	0	0	0	0
Nowgong	33·1	+0·7	36·6	30	22·5	−1·3	18·6	30	66·4	136·6	−11·0	90·4	9	7	−0·2	7.0	4·1	+1·2	0	7	0	0	3	0	0	0	0	0	0
Guna	31·7	+1·1	34·9	30	21·0	−0.9	18·5	27	41·7	91·9	−147·1	38·7	3	5	−3·6	12·5	8.5	..	0	10	0	0	6	0	0	0	0	0	0
Nimach	31·5	+0·4	35·5	30	21·6	−0·2	18·9	24	57·0	186·1	+59·9	84·6	3	8	+1·7	11.9	10·2	−0.5	0	9	0	0	5	0	0	0	0	0	0
Rajgarh	32·2	..	6·3	27	21·6	..	19·8	13	60·5	97·2	..	46·2	3	6	..	12·3	8·2	..	0	6	0	0	0	0	0	0	0	0	0
Sagar	29·9	−0·1	33·9	28	21·5	−0·1	19·2	30	51·8	221·2	−28·2	83.8	8	8	−1·6	8·2	7·9	..	0	10	0	0	0	0	0	0	0	0	0
Ratlam	31·2	+1·2	36.2	26	21·1	−1·0	19·5	13	42·6	75·8	−186·7	39·4	8	5	−4·7	12·5	9·1	−1·2	0	11	0	0	1	0	0	0	0	0	0
Bhopal (Bairagarh)	31·1	+1·2	34·6	30	21·0	−0·9	19·1	23	35.1	98·5	−166·2	41·9	2	3	−7.2	17·0	12.4	+1.9	0	9	0	0	1	0	0	0	0	0	0
Ujjain	31·7	..	35·7	27	20·6	..	18·1	28	25·4	47·9	..	16·7	3	4	..	14·9	11·4	..	0	4	0	0	0	0	0	0	0	0	0
Narsinghpur	31·7	..	35·2	27.28	20·9	..	17·0	30	70·2	213·3	..	81·2	2	9	..	8·3	4·8	..	0	10	0	0	0	0	0	0	0	0	0
Hoshangabad	32·3	+1·9	36·3	27	22·4	−0·5	19·8	27, 29	99·0	169.4	−42·9	77·0	4	6	−3·5	7·8	5·7	+2·3	0	9	0	0	9	0	0	0	0	0	0
Indore	30·7	+1·0	35·4	27	20·5	−0·3	18·5	12	15·8	103·6	−60·5	77·5	3	5	−3·4	18·8	6·8	..	1	7	0	0	1	0	0	0	0	0	0
Rajpur (Jhabua)	31·2	..	35·0	21	22·7	..	21·0	12	0	63·2	..	25·6	24	3	..	12·3	8·3	..	0	3	0	0	1	0	0	0	0	0	0
Chhindwara	29·9	+0·9	33·1	17	20·1	−1·2	17·2	29	41·0	90·6	104·7	37.4	3	4	−7·2	11·2	6·4	0	0	6	0	0	1	0	0	0	0	0	0
Seoni	30·0	+0·6	33·2	19	20·6	−0·7	18·9	27, 30	77·3	217·9	−0·3	67·2	22	10	−0·9	9·8	6·5	+1·7	0	13	0	0	2	0	0	0	0	0	0
Betul	28·8	+0·5	32·0	27	19·9	−1·1	16·6	29	64·5	188·6	−67·3	54·4	2	7	−4·4	7·7	4·7	−1·4	0	11	0	0	2	0	0	0	0	0	0
Khandwa	32·7	+1·4	37·4	27	22·7	−0·1	20·3	13, 24	19·8	63·2	−81·3	56·4	3	2	−5·1	13·0	9·4	+1·4	0	4	0	0	0	0	0	0	0	0	0
Madhya Pradesh East																													
Satna	31·9	+0·7	36·7	14	23·0	−0·8	20·2	30	36·2	205·9	−30·9	76·4	8	7	−1·9	6·9	6·0	0·7	1	9	0	0	6	1	0	0	0	0	0
Rewa	32·2	..	35·1	18	22·9	..	20·2	30	84·0	220·5	..	102·5	8	7	..	7·0	4·7	..	0	9	0	0	0	0	0	0	0	0	0
Sidhi	32·7	..	35·9	18	23·6	..	18·6	30	31·6	93·2	..	33·8	8	7	..	8·0	5·0	..	0	9	0	0	3	0	0	0	0	0	0
Umaria	30·7	+0·5	34·1	18	21·9	−0·9	17·1	30	31·8	170·3	−61·6	86·3	7	6	−4·4	7·8	5·4	0	1	10	0	0	3	3	0	0	0	0	0
Jabalpur	31·5	+0·9	34·5	27	22·4	0	19·4	30	57.3	215·0	+1·4	113·8	8	9	−0·7	8·0	5·4	+1·9	1	10	0	0	2	0	0	0	0	0	0
Ambikapur	29·5	0	32·2	19	21·2	−0·9	17·9	30	97·6	354·6	−130·8	125·7	23	10	−2·4	..	..	..	0	11	0	0	4	0	0	0	0	0	0
Joshpurnagar	27·9	..	31·0	16,17	21·6	..	20·0	4	214·2	427·7	..	117.4	6	13	..	8·6	6·6	..	0	13	0	0	0	0	0	0	0	0	0
Pendra	28·7	0	3·6	18,19	21·4	0	18·6	days 30	134·1	280·7	−80·0	150.1	23	9	−2·3	9·4	6·5	..	0	13	0	0	6	0	0	0	0	0	0
Mandla	30·3	+0·1	33·1	18,19	21·0	−1·3	16·4	30	70·2	209·4	−0·2	64·6	8	8	−3·3	7·2	3·9	0·8	0	11	0	0	4	2	0	0	0	0	0
Champa	3.6	+0·1	35·1	17	23·3	−1·5	21·2	23	114·8	487·6	253·5	190·9	23	13	+1·1	7·9	6·3	−0.1	0	15	0	0	7	0	0	0	0	0	0
Raigarh	32·2	+0·4	35.2	17	23·9	−0·8	21·8	6,30	77·4	334·2	−7·2	112·4	6	9	−5·7	5.7	4·2	−1·1	0	13	0	0	0	0	0	0	0	0	0
Raipur	31.8	+0.6	34·9	18	23·6	−0.3	21·7	22	126·3	219·7	+24·4	60·2	21	9	−1.3	9·6	7·5	−0·1	1	11	0	0	6	2	0	0	0	0	0
Kanker	30·6	0·7	33·7	18	22·9	+0·2	21·3	30	97·7	195·1	−65·0	49·4	22	8	−4·3	9·6	6·7	−0·9	0	9	0	0	2	1	0	0	0	0	0
Jagdalpur	30·0	+0.4	32·2	30	22·1	+0·2	20·5	2	0·1	191·0	−27·7	83·3	1	7	6·6	8·0	5·2	..	1	16	0	0	14	5	0	9	0	1	0

*Observatory closed on 3-9-1965. †Station did funnot ction properly. (g) Mean of 30 days. (h) Mean of 23 days

Sub-Division and station	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2·5 mm. or more): Total in the month	Departure from normal	Wind speed, kms. per hour: Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Weather phenomena—No. of days with: Precipitation (0.1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Gujarat Region (including Daman, Dadra and Nagar Haveli)																													
Deesa	34·1	..	37·4	21	21·3	..	19·2	17	0	28·1	..	28·1	5	1	..	9·3	6·4	..	0	1	0	0	0	0	0	0	0	0	0
Radhanpur	33·9	..	37·3	21,22	23·4	..	21·5	28	0	0	..	0	..	0	..	7·8	5·8	..	0	0	0	0	0	0	0	0	0	0	0
Idar	32·9	..	36·6	22	22·5	..	20·7	14	0	39·0	..	21·4	14	2	..	8·4	5·9	..	0	3	0	0	0	0	0	0	0	0	0
Ahmedabad	34·3	+0·6	38·6	21	24·0	−0·1	22·2	14	0	42·5	−63·2	16·6	23	3	−2·2	5·9	4·3	−2·9	0	3	0	0	2	0	0	0	0	0	0
Dohad	31·5	+1·3	35·0	22,23, 24	22·0	−0·8	20·2	12	5·2	14·2	−161·4	5·2	23	2	−5·0	13·8	14·2	−2·7	0	5	0	0	2	0	0	0	0	0	0
Vallabh Vidyanagar	34·1	..	37·8	23	23·6	..	21·2	14	0	3·6	..	3·6	3	1	..	8·6	6.1	..	0	1	0	0	0	0	0	0	0	0	0
Baroda (Aerodrome)	34·1	..	38·3	22	23.8	..	22·3	14, 18	3·8	8·0	..	4·2	3	2	..	6·9	5·8	..	0	2	0	0	1	0	0	0	0	0	0
Baroda	34·5	+1·9	38·1	22	24·4	+0·3	22·8	14, 18	2·0	4·4	−170·7	2·0	1,12	0	−6·9	5·1	3·1	−1·7	0	3	0	0	1	0	0	0	0	0	0
Broach	34·0	+1·3	38·4	20	24·4	−0·1	23·3	4	0·2	0·8	−206·9	0.6	10	0	−7·6	4·9	3·4	−4·2	1	1	0	0	0	0	0	0	0	0	0
Surat	33·4	+1·9	36·0	26	24·4	0	22·3	4 days 18	0	15·2	−132·1	10·2	20	2	−5·4	9·6	7·7	+1·6	0	3	0	0	0	0	0	0	0	0	0
Saurashtra & Kutch (including Diu)																													
Naliya	31·0	..	33·8	21	22·8	..	20·5	14	0	0	..	0	..	0	..	19·1	13·0	..	0	0	0	0	0	0	0	0	0	0	0
Bhuj (Rudramata)	33·7	+0·3	36·9	22	22·7	−1·0	21·1	30	0	0	−46·0	0	..	0	−2·2	17·3	13·5	−0·5	0	0	0	0	1	0	0	0	0	0	0
Kandla (Aerodrome)	34·2	..	36·7	30	23·0	..	21·0	30	3·2	3·2	..	3·2	21	1	..	22·3	18·2	..	0	1	0	0	1	0	0	0	0	0	0
New Kandla	32·7	..	36·5	21	24·4	..	22·9	30	0	0	..	0	..	0	..	24·9	21·4	..	0	0	0	0	0	0	0	0	0	0	0
Mandvi	30·8	+0·3	33·4	21	25·1	−0·3	22·7	26	0	0	−104·4	0	..	0	−6·2	27·3	25·1	−1·4	0	0	0	0	0	0	0	0	0	0	0
Surendranagar	35·0	+1·8	38·3	21	24·2	−0·1	22·2	14	3·0	5·0	−131·7	3·0	24	1	−6·3	12·5	12·6	−0·7	0	2	0	0	1	0	0	0	0	0	0
Okha	29·9	..	30·6	28,30	24·6	..	23·5	19	0	0	..	0	..	0	..	19·1	16·6	..	0	0	0	0	0	0	0	0	0	0	0
Jamnagar (Aerodrome)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dwarka	29·9	+0·3	30·7	4 days	25·3	−0·1	23·6	19	0	0	−37·3	0	..	0	−2·0	(b) 15·0	(e) 13·8	+0·1	0	0	0	0	0	0	0	0	0	0	0
Rajkot	33·9	+1·6	36·1	21	21·9	−0·6	20·0	18	36·2	37·6	−119·7	20·6	24	2	−4·1	20·2	17·0	−0.4	0	2	0	0	2	0	0	0	0	0	0
Bhavnagar (Aerodrome)	34·6	+1·0	37·3	21	24·1	0	21·9	14	1·6	1·6	−96·4	1·6	23	0	−5·7	18.8	16.9	+2·9	0	1	0	0	3	0	2	0	0	0	0
Porbander (Aerodrome)	30·9	+1·1	34·0	21	24·1	−1·0	21·7	29	0	0	+89·4	0	..	0	−4·8	17·7	12·1	..	0	0	0	0	0	0	0	0	0	0	0
Keshod	32.1	..	35·5	21	22·5	..	20·4	29	16·4	19·9	..	9·0	22	3	..	20·6	15·1	..	1	5	0	0	0	0	0	0	0	0	0
Mahuva	34·1	..	36·5	22,25	20·0	..	18·9	30	11·9	13·0	.	6·8	13	2	..	6·1	8·9	..	0	2	0	0	0	0	0	0	0	0	0
Veraval	30·7	..	32·3	30 21	24·2	..	21·6	29	0·5	2·4	−60·9	1·9	17	0	−3·9	21·6	19.2	..	1	2	0	0	0	0	0	0	0	0	0
Konkan (including Goa)																													
Dahanu	30·1	+0·6	31·1	5 days	24·4	0	22·8	17, 18	38·4	89·6	−270·7	49·2	6	5	−6·5	16·3	13·7	−2·6	0	6	0	0	0	0	0	0	0	0	0
Bombay (Santacruz)	30·7	+1·2	31.9	26	24.2	+0·8	22·5	17	1·4	43·8	−353·7	18·0	7	4	+8·6	13.9	8·6	..	3	8	0	0	3	0	0	0	0	0	0
Bombay	30·9	+1·2	31·6	6	25·2	+0·9	23·4	22, 23	10·4	77·9	−186·0	30·4	22	5	−7·7	11·6	9·5	−1·8	0	10	0	0	0	0	0	0	0	2	0
Alibag	29·9	+0·7	30·8	11	24·5	+0·1	22·9	17	..	49·9	−216·0	14·7	7	5	−9·5	..	12·1	−2·1	0	15	0	0	2	0	0	0	0	0	0
Bhira	31·4	..	35·0	27	23·5	..	21.9	18	100·2	259·4	..	60·6	20	12	..	3·1	1·4	..	0	16	0	0	0	0	0	0	0	0	0
Harnai	28·9	+0·4	30·0	5,11	25·1	+0·8	24·0	8,20	11·5	81·2	−261·0	25·8	7	7	−8·4	18.7	15·0	+1·7	0	11	0	0	0	0	0	0	0	0	0
Ratnagiri	29·7	..	30·6	11	22·6	.	21·4	8,13, 14	53·2	116·8	−183.4	47·1	8	9	−6·0	11·6	7·8	..	0	16	0	0	1	0	0	0	0	0	0
Devgarh	29·2	+0·2	30·4	15,19	24·4	+0·3	23·0	21	12·1	111·7	−215·3	23·2	20	11	−5·1	16·9	14·3	−0·8	0	14	0	0	0	0	0	0	0	0	0
Vengurla	30·0	+0·7	31·7	26	23·4	−0·1	21·9	14	11·4	146·2	−191·5	42·8	22	13	−3·2	11.5	6·9	..	3	18	0	0	4	0	0	0	0	0	0
Panjim	29.7	..	31.5	27	23.9	..	22.7	9,28	62·3	301.6	..	116.6	22	14	..	12.1	8·8	..	1	18	0	0	4	0	0	0	0	0	0
Mormugao	28·9	..	30.0	18	23.8	..	22.4	8,28	52·7	226·0	..	41·7	22	14	..	14·5	12·6	..	2	17	0		2	0	0	0	0	0	0
Dabolim (Naval Air Station)	29·8	..	31·1	25	24·0	..	22·2	28	38·0	184·2	..	34·6	22	16	..	11·7	8·0	..	0	20	0	0	5	0	0	0	2	2	0
Madhya Maharashtra																													
Nandurbar	32·6	..	36·6	20	22·4	..	20·1	11	23·5	23·3	..	15·0	22	2	..	9·0	7·4	..	0	6	0	0	0	0	0	0	0	0	0
Jalgaon	34·1	+2·2	38·0	27	22·0	0	21·1	10	10·8	12·5	−111·1	8·0	3	2	−5·8	17.2	13.7	+2·9	0	5	0	0	1	0	0	0	0	0	0
Malegaon	33·0	+1·5	36·6	27,28	21·1	−0·1	19·1	10, 13	0	9·6	−137·5	5·4	22	2	−5·7	12·3	9·7	+0·2	0	2	0	0	0	0	0	0	0	0	0
Ozar	30·3	..	39·4	28	20·1	..	17.4	10, 12	71·9	69·0	..	39·4	16	4	..	(g) 20·9	(d) 17·1	..	0	6	0	0	0	0	0	0	0	0	0
Deolali (Aerodrome)**	*29·6	..	..	..	20·8	..	19·0	10	16·3	19·3	..	..	..	..	..	16.4	12·6	..	..	..	0	0	1	0	0	0	0	0	0
Ahmadnagar	32·2	+2·1	35.4	27	19·3	0·6	16·3	11	35·6	97·4	−68·7	33·2	19	6	−2·6	10·4	7.4	−2·6	0	7	0	0	0	0	0	0	0	0	0
Khandala	..	..	..	.	..	..	..	..	..	223·6	−471·1	37·0	18	13	−8·7	..		..	0	15	..	..	..	..		..	..	..	..
Poona (Aerodrome)	31·3	.	31·8	27	20·0	.	17·5	10	27·8	31·6	..	17·3	28	3	..	..	..	..	0	5	0	0	6	0	0	0	0	0	0
Poona	30·2	+1·1	33·9	27	20·7	0	17·8	10	16·7	31·6	−102·8	13·6	16	3	−4·6	11·4	8·2	..	0	8	0	0	5	0	0	0	0	0	0
Igatpuri	33·1	+1·7	35·4	28	21·1	+0·2	17·5	5	51·8	105·1	−36·2	18·6	17	4	−3·7	13·3	12·0	−0·1	0	7	0	0	4	0	0	0	0	0	0
Paramati	32·0	+1·5	35·0	27	20·9	+0·1	18·4	13	11·6	103·0	−25·9	13·0	17	7	0	(b) 14·3	12·6	−1·0	0	8	0	0	1	0	0	0	0	0	0
Sholapur	34·1	+2·6	36·4	29	21·0	0.3	20.4	6, 13	6·5	47·9	114·9	16·3	18	4	−5·1	10·8	9·1	−1·2	0	7	0	0	4	0	0	0	0	0	0
Miraj	31·2	+2·1	34·1	28	20·7	+0·8	17·5	13	25·4	82·6	−15·9	33·8	19	5	−0·7	..	..	..	0	8	0	0	5	0	0	0	0	0	0
Kolhapur	30·3	+1·6	32.9	26	20·1	0·1	18·1	11	62·5	102·4	6·6	58·6	21	7	−0·9	11·6	11·9	−1·5	0	8	0	0	4	0	0	0	0	0	0
Marathwada																													
Aurangabad	32·2	+2·1	36·1	27	21·4	+0·7	19·3	8	1·9	1·9	−168·0	1·5	4	0	−9·0	15·1	12·8	+1·7	0	2	0	0	0	0	0	0	0	0	0
Aurangabad (Chikalthana)	32·0	..	35·7	27	21·1	..	19.2	10, 11	7·3	7·3	..	3·6	16	2	..	18·3	14·7	..	0	3	0	0	0	0	0	0	0	0	0
Parbhani	32·6	+1·5	35·4	28,29	21·8	−0·1	20·6	10	11·6	02·2	−117·2	39·0	18	4	−6·0	12·7	8·6	−1·6	0	5	0	0	1	0	0	0	0	0	0
Nanded	33·1	..	36·4	28	21·6	..	19·8	27, 28,29	10·2	92·3	..	47·3	2	3	..	11·2	6·5	..	0	6	0	0	0	0	0	0	0	0	0
Bir	32·4	.	35·2	27	21·8	..	18·4	10	7·6	115·4	..	36·8	18	2	..	6·5	5·0		0	4	0	0	4	0	0	0	0	0	0

(a) Total for 18 days. (b) Total or mean of 29 days. (c) Total or mean for 28 days. (d) Mean of 27 days. (e) Mean of 26 days. *Observations not recorded.
**Observatory closed from 22-9-1965.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, kms. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 1839-1739 hours	Mean 24 hours	Departure from normal	Precipitation (0.1) and 0·2 mm	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28	29
Vidarbha																														
Gondia	31·5	+0·8	34.7	19	23·6	−0·3	22·0	22, 23	41·2	202·0	−19·2	112·3	22	6	−5·5	7·0	4·6	+0·1	0	9	0	0	1	0	0	0	0	0	0
Nagpur (Sonegaon)	31·8	+0·5	35·3	18	22·0	−1.3	18·7	30	37·9	297·7	+94·2	87·8	22	8	−2·6	15·8	11·9	..	2	8	0	0	4	0	0	0	0	0	0
Amraoti	32·6	+1·4	35·9	27	22·2	−0·3	20·6	11	10·2	72·0	−81·4	46·4	21	5	−3·3	14·1	9·0	+2·1	0	6	0	0	0	0	0	0	0	0	0
Akola (Aerodrome)	33·2	..	37·0	27	20·8	..	18·8	11	18·8	53.9	..	21.8	4	4	..	13·9	10·2	..	0	6	0	0	0	0	0	0	0	0	0
Akola	33·5	+1·6	37·9	27	20·5	−2·3	18·9	11	24·8	52.5	−94·8	30·7	4	4	−3·6	11·1	(c) 8·7	+0·8	0	6	0	0	0	0	0	0	0	0	0
Bramhapuri	31·7	..	35·0	18	23·6	..	21·8	23	77·4	360·4	..	142.4	2	9	..	7·2	4·9	..	0	12	0	0	1	0	0	0	0	0	0
Buldana	29·9	+2·1	33·9	27	21·3	+0·3	19·0	10	7·2	13·6	−192·4	6·4	2	3	−5·9	11·5	9·7	−1·4	0	3	0	0	0	0	0	0	0	0	0
Yeotmal	31·2	+1·0	34·3	17	21·6	−0·3	20·2	11, 24	39.6	119·2	−92·0	54·0	21	4	−5·7	14·8	11·5	−0·3	0	6	0	0	0	0	1	0	0	0	0
Chanda	31·9	+0.3	34.5	17,18	23·6	0	21·1	30	105·4	331·2	+104·9	106·2	1	8	−2·7	11·9	7·5	+2·5	0	10	0	0	4	0	0	0	0	0	0
Pusad	32·5	..	35·4	4 days	22·0	..	20·1	11, 28	19.6	74·8	..	40·0	21	2	..	9·8	8·2	..	0	4	0	0	0	0	0	0	0	0	0
Sironcha	32·3	+0·7	35·2	18	24·1	−0.4	20·8	2	84·6	233·8	+29·4	80·8	2	10	−2 8	6·6	4·5	0	0	13	0	0	0	0	0	0	0	0	0
Coastal Andhra Pradesh																														
Kalingapatam	32·0	−0·1	34·8	12	25·3	−0·5	23·6	6	38·5	124.5	−51·5	22·3	19	7	−2 1	13·8	10·0	+2·8	0	12	0	0	0	0	0	0	0	0	0
Vishakhapatnam	32·7	+0·2	35·1	12	25·5	−0.1	23·1	28, 29	75·5	200·1	+33·7	39·0	19	12	[illegible]	16·9	10·1	+1·4	1	16	0	0	13	0	0	0	0	0	0
Kakinada	33·1	+1·0	35·4	27,28	24·9	−0·7	22.4	30	49·4	172·6	+16·1	31·2	19	10	+1·2	12·9	9.3	+2·5	1	13	0	0	4	0	0	0	0	0	0
Nidadavole	32·4	..	35·1	18	25·0	..	22.3	10	40·7	126·6	..	43·0	19	8	..	10.3	7·1	..	0	10	0	0	0	0	0	0	0	0	0
Rentachintala	34·6	+0·3	37·6	27	25·1	−0·1	22·6	30	0	67·0	−53·9	27·0	10	3	−4·8	4 0	5·8	−3·7	0	4	0	0	1	0	0	0	0	0	0
Gannavaram	33·0	+0·6	35·2	27,28	24·9	−0·3	22·3	10	85.6	217.6	+84·7	91·0	20	9	−0·5	15·3	11·4	+0·3	0	12	0	0	10	0	0	0	0	0	0
Nagarjuna Konda (R)																														
Masulipatam	32·6	+0.1	34·8	28	25·3	0	22·2	10	68·0	240·6	+78·8	86·0	1	9	−0·9	4·7	3·5	−3·7	0	10	0	0	10	0	0	0	0	0	0
Ongole	34·9	..	38·6	29	25·9	..	23·1	10	16·4	98·5	..	49·2	10	6	..	7.9	6.0	..	0	8	0	0	0	0	0	0	0	0	0
Nellore	34·7	−0·1	37·6	29	25·9	+0·2	23·0	19	23·6	165·6	+52·3	83·4	14	6	+0·1	11.2	8.1	+1.2	0	6	0	0	7	0	0	0	0	0	0
Telangana																														
Ramgundam	32·8	+0·8	36·2	17	22·1	−2·4	18·0	2	65·6	281·0	+99·1	78 0	1	6	−4·5	9·4	5·2	+0·2	0	7	0	0	2	0	0	0	0	0	0
Nizamabad(R)																														
Hanamkonda	32·2	+1·0	37·9	14	23·6	0	20·8	2	28·4	154·0	−32·4	50·8	1	7	−2·1	9·9	7·1	+0·2	0	9	0	0	1	0	0	0	0	0	0
Hakimpet (Aerodrome).	30·3	..	33·0	17	21 8	..	20·6	30	76·1	259·6	..	125·1	20	6	..	..	..	..	0	8	0	0	5	0	0	0	0	0	0
Bhadrachalam	33·6	+1·4	37·4	18	24·6	+0.2	23·1	1	71·0	129.0	−51·2	49·0	10	7	−4·6	4.7	4.4	−0.7	0	9	0	0	0	0	0	0	0	0	0
Hyderabad(Begampet)	30·9	+1·1	33·6	17	21·1	−0.2	17·9	30	64·8	242·5	+78·7	116·0	20	7	−2·5	17·8	11·7	+0·9	1	10	0	0	6	0	0	0	0	0	0
Khammam	32·7	..	35·6	12	24·6	.	23·1	2	24.7	191·8	..	91·8	20	8	..	7·2	3·9	..	0	9	0	0	0	0	0	0	0	0	0
Mahbubnagar	32·1	..	34·5	30	22·2	..	20 9	22	51·2	198·0	..	89·0	20	8	..	12·7	9·3	..	0	11	0	0	3	0	0	0	0	0	0
Rayalaseema																														
Kurnool	32·4	+0 2	35·0	30	22·8	−0·5	21·0	30	58·2	145·3	−6·1	51·6	20	9	−0·2	13·1	11·9	+2·1	0	12	0	0	0	0	0	0	0	0	0
Anantapur	32·8	+0·5	35·7	15	23·7	+0·6	21·7	21	11·9	106·3	−39·0	47·6	18	6	−0·8	14·8	12·9	−0·5	0	9	0	0	3	0	0	0	0	0	0
Cuddapah	33·5	−0.7	36·6	9,28	24·9	+0·2	22·8	19	80·6	152·8	−0.4	97·4	19	8	−0·3	7·6	5·8	−2·1	0	9	0	0	0	0	0	0	0	0	0
Arogyavaram	30·2	..	33·6	29	20·1	..	18·2	13	0	29·0	..	13·0	13	3	..	14·3	9·5	..	0	3	0	0	0	0	0	0	0	0	0
Madras State (including Pondicherry)																														
Madras	33·8	..	36·7	29	25·1	..	22·4	18	14·2	105·6	..	14·4	13	8	..	10·2	8.5	..	1	11	0	0	3	0	0	0	0	0	0
Madras (Minambakkam).	34·4	0	37·1	28	25·2	+0·1	22·2	18	19·2	72·7	−46·2	18·2	21	6	−1.0	12·4	9·6	−3·3	0	10	0	0	11	0	0	0	0	0	0
Vellore	34·1	+0·7	36·0	10,29	23·8	−0·3	21·7	25, 30	30·9	153·3	−21·4	26·6	12	10	+1·9	8·3	6·7	+1·7	0	11	0	0	9	0	0	0	0	0	0
Tambaram (Aerodrome)	33·8	.	36·3	13	24·6	..	22·2	18	62·5	164·1	..	44·7	14	11	..	..	..	..	0	15	0	0	10	0	0	0	0	0	0
Tiruppattur	33·2	..	35·7	7,10	22·7	..	20·2	3	0	253·6	..	118·0	18	4	..	6.9	4·8	..	0	4	0	0	0	0	0	0	0	0	0
Mettur Dam R.S.	33·7	..	35·8	27	23·4	..	21·4	13	17·0	147·6	..	28·0	13	9	..	3·1	3·5	..	0	9	0	0	0	0	0	0	0	0	0
Cuddalore	34·5	+0·9	36·7	29	24 8	−0·1	21·7	18	36·2	122·2	−10·1	83·2	18	4	−2·2	9·9	9·0	+2·7	0	4	0	0	4	0	0	0	0	0	0
Kallakkurichchi	34·5	..	37 2	30	24·4	..	22·3	15	6·2	58·6	−87·7	27·4	13	5	−2·6	5·3	4·7	..	0	6	0	0	6	0	0	0	0	0	0
Salem	33·1	−0·1	35·1	30	23·7	+0·9	22·0	13	3·8	89·5	−64·7	57·8	18	5	−3·5	7·4	5·6	+0·6	0	9	0	0	5	0	0	0	0	0	0
Coimbatore (Pilamedu)	32 5	..	34·5	25	21.8	..	20·3	17	9·4	21·5	..	9·8	26	2	..	24·2	23·8	..	0	5	0	0	11	0	0	0	0	0	0
Coimbatore	32·2	+0·7	34·5	26	21·7	+0·1	20·1	17	..	9·5	−30·9	13·0	18	1	−2·3	..	12·0	+4·4	0	5	0	0	2	0	0	0	0	0	0
Nagapattinam	34·7	+1·0	36·0	4	25·8	+0·6	24·0	18	0	36·6	−47·2	16·0	26	4	−1·1	12·0	9·7	+2·0	0	5	0	0	5	0	0	0	0	0	0
Tiruchchirappalli	34·9	+0·4	36.8	10	24·6	0	22·0	12	14·0	101·6	−18·3	41·4	13	6	0	15·5	13·0	−4·1	0	8	0	0	10	0	0	0	0	0	0
Vedaranniyam	34·2	..	36·0	13	24·9	..	22·1	22	37·6	53·7	..	16·1	11	4	..	3.6	4·5	..	0	6	0	0	0	0	0	0	0	0	0
Atirampattinam	33·8	..	36.6	8	25·0	..	23·0	13	0	62·6	..	33·6	26	5	..	12·3	9·7	..	0	6	0	0	6	0	0	0	0	0	0
Madurai	35·7	+1·4	37·0	4,22	24·7	+0·3	21·6	25	..	186·8	+67·4	63·3	25	7	+0·5	..	4·8	−0·3	0	8	0	0	8	0	0	0	0	0	0
Madurai (Aerodrome)	35·0	..	36·9	22	24·3	..	22·3	26	0·6	177·4	..	47·8	23	6	..	10·6	10·2	..	0	7	0	0	13	0	0	0	0	0	0
Tondi	32·4	..	35·9	3	25·3	..	21·4	27	0·6	59·0	..	27·2	27	4	..	19·0	16·0	..	0	6	0	0	8	0	0	0	0	0	0
Pamban	32·7	+0·9	33·8	8	26·4	+0·5	23·0	27	0	43.4	+14.4	43·4	26	1	−0·9	16·1	15·4	+2·8	0	1	0	0	1	0	0	0	0	0	0
Tuticorin	34·2	+0·3	38·0	4	25.2	−0·8	22·9	15	0	39.2	+31·7	24·6	15	2	+0·8	20·4	16·3	−0·4	0	2	0	0	1	0	0	0	0	0	

(b) Mean of 29 days. (R) Register not received. (c) Mean of 28 days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days. (2·5 mm. or more)		Wind Speed kms. per hour			Weather phenomena—No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28
Madras State—(including Pondicherry) (*Contd.*)																												
Palayankottai	37·1	+1·7	39·1	25	25·9	0	23·0	26	27·4	20·6	—6·4	20·6	26	1	—1·0	16·9	14·8	+1·6	0	1	0	0	3	0	0	0	0	0
Kanniyakumari	31·4	..	34·0	24	24·7	..	23·8	12	0	1·6	..	1·6	27	0	..	25·7	20·9	..	0	1	0	0	0	0	0	0	0	0
Coastal Mysore																												
Karwar	27·7	—0·7	30·0	11	23·9	+0·1	22·1	14	35.2	137.4	—154·4	29.8	8	12	—3·5	12·8	8.9	..	0	16	0	0	0	0	0	0	0	0
Honavar	29·1	+0·2	30·6	29	23·2	0	21·6	5	28.1	266.7	—74·9	41.1	9	17	+0.3	..	..	..	0	19	0	0	1	0	0	0	0	0
Mangalore (Bajpe)	29·5	..	31·6	27	23·0	..	21·4	16	54·3	222·0	..	29·8	18	15	..	9·6	6·0	..	0	17	0	0	3	2	0	0	0	0
Mangalore	29·4	+0.3	30·4	12	..	..	..	..	48·3	179·7	—86.5	22·6	5	13	—2·5	10·1	7·3	+1·0	0	18	0	0	0	0	0	0	0	0
Interior Mysore North																												
Bidar	30·1	+1·2	32·8	16	21·3	+0·1	20·0	4	21·2	124·9	—113.9	88·8	20	3	—7·7	13·6	11·4	—1·0	2	5	0	0	0	0	0	0	0	0
Gulbarga	32·4	+1·0	34·8	29	22·5	+0·6	21·2	3,6,22	87·0	202·0	+12·5	60·0	18	7	—3·1	14·5	11·6	+0·7	0	7	0	0	3	0	0	0	0	0
Bijapur	32·5	+1·7	34·9	29	21·8	+0·8	20·2	5 6,7	11.0	110·1	—30·6	40·5	16	7	—1.0	9·8	8.7	—1·0	0	10	0	0	0	0	0	0	0	0
Raichur	33·2	+1·4	36·0	16	22·5	—0·1	20·0	20,21	30·4	124·1	—34·1	55·8	20	7	—2.4	14·1	13.4	+1·5	0	9	0	0	1	0	0	0	0	0
Belgaum	28·9	+1·7	32·6	27,28	19·5	+0·9	16·5	14	34·2	68.3	—50·3	27·8	19	5	—4·1	6·4	4·0	—5·3	0	18	0	0	4	0	0	0	0	0
Belgaum (Samrs)	28·7	..	32·0	29 27	19.6	..	16.8	14	36·6	104·2	..	54·2	19	4	..	12·6	9·5	..	0	13	0	0	6	0	0	0	0	0
Gadag	30·2	+0·6	33·6	28,29	20·3	—0·1	18.6	13	46·3	236·4	+117·5	47·0	19	11	+4·6	11·8	11·9	—1.3	0	14	0	0	7	0	0	0	0	0
Interior Mysore South																												
Bellary	32·3	—0·2	35·0	16	23·6	+0·8	21·0	19	6·0	140·0	+16·3	46·0	21	6	—1·1	13·2	12·0	+1·9	0	7	0	0	2	0	0	0	0	0
Chitradurga	29·9	+0·8	33·2	28	20.8	+0·8	19·6	15	30·8	83.8	—27·2	31.0	30	4	—3·1	..	..	..	3	6	0	0	0	0	0	0	0	0
Shimoga	29·4	+1·0	32·5	29	21·1	+0·6	19·2	14	71·0	95.2	+5·7	41.2	12	6	—2.5	5·5	3·7	—1·5	0	7	0	0	3	0	0	0	0	0
Agumbe	25·2	..	28·6	27	18·8	..	15·8	14	0	120·9	..	31·2	2	7	..	..	3·4	..	2	22	0	0	0	0	0	0	0	0
Balehonnur	26·8	+2·1	30·6	29	18·0	—0·1	16·2	14	..	102.2	—92·9	25·0	19	13	—3·0	..	..	..	0	18	0	0	0	0	0	0	0	0
Hassan	27·9	+0·7	30·7	27,31	18·3	+0·1	16·7	16	18·3	41·7	—68·3	18·0	19	3	—5·1	10·0	8·6	+0·4	1	6	0	0	2	0	0	0	0	0
Bangalore	28·5	+0·7	30·9	30	19·8	+1·3	18·3	6	0·2	55·1	—114·1	22·6	13	5	—3·9	12.5	10·0	+0·7	0	8	0	0	1	0	0	0	0	1
Bangalore Aerodrome	28·6	..	31·1	30	19·0	..	17 3	3	0	26·2	..	11·8	13	2	..	..	..	..	0	5	0	0	3	0	0	0	0	0
Mysore	29·5	+0·5	31·5	12,13, 15	19·6	+0·4	17·6	16	75·0	101·0	—24·7	32·0	19	7	—1·2	12·4	12·0	+2·3	0	10	0	0	0	0	0	0	0	0
Kerala																												
Calicut	29·9	+0·8	31·6	26	24·3	+0·6	22·3	20	15·8	67·5	—134·2	7·6	2	7	—4·7	11·8	9·0	+1·9	0	10	0	0	0	0	0	0	0	0
Palghat	30·2	..	33·0	27	23·1	..	21·0	1	54·6	187·8	..	57·4	19	11	..	13·9	10 9	..	0	13	0	0	2	0	0	0	0	0
Fort Cochin	29·1	+0 8	31·4	18	23·7	—0·4	21·8	1	19·1	199·5	+4·7	46 8	29	14	+0·3	12·0	9·9	+2 8	0	18	0	0	1	0	0	0	0	0
Cochin (Naval Air Station).	29·9	..	30·8	26	23·7	..	22·6	18	11·9	204·8	..	53·5	28	12	..	12 0	8·7	..	1	18	0	0	4	0	0	0	0	0
Alleppey	29.9	+0·5	31·0	16,26	24·0	+0 2	22·3	18	11·2	142·8	—153·2	32·8	21	10	—5·8	13·4	10·0	+0·2	0	18	0	0	2	0	0	0	0	0
Punalur	31·8	..	33·5	30 25	22·6	..	21·3	30	53·2	130·6	..	31·6	18	10	..	..	..	..	0	14	0	0	0	0	0	0	0	0
Trivandrum	30.7	+1.0	32·4	26	23 6	+0·3	22.6	5,28	0·6	26 0	—88·5	18·1	12	1	—7·1	17·2	11 2	+1·9	2	8	0	0	4	0	0	0	0	0
Trivandrum Aerodrome	29·9	..	31·6	29	24·0	..	22·9	5	..	14·8	..	10·2	12	1	..	..	11·2	..	1	5	0	0	2	0	0	0	0	0
Arabian Sea Islands																												
Amini	30.4	+0.6	32.4	28	25.6	+0.6	23.4	8	21·9	31.7	—119.7	11.4	8	4	—6.1	25.3	25·6	+9·0	3	11	0	0	0	0	0	0	0	0
Agatti	29.0	..	29.6	30	26.6	..	24.5	9	18·0	84·5	..	15·8	11	12	..	19·1	19·8	..	0	14	0	0	1	0	0	0	0	0
Androth	30·4	..	30·8	4 days	25·4	..	23·1	27	22·1	64·5	..	15·8	20	8	..	9·3	8.5	..	2	10	0	0	1	0	0	0	0	0
Minicoy	30·0	+0.6	31·2	26	25·1	0	21·6	28	157·6	190·5	+30·5	103·0	27	8	—2.1	16·0	14·5	+0·3	1	12	0	0	2	0	0	0	0	0
Hill Stations excluding Kashmir																												
Dalhousie	24·6	+1.6	27·0	15,16	13·0	—2·4	9·0	22	20·0	51·0	—215·3	12·0	1,12	6	—3·1	2·5	3·0	+0·5	0	8	0	0	2	0	0	0	0	0
Dharmsala	27·3	+1·1	29·4	17 16	19·1	—0·2	16·8	4 days	27.2	40·2	—487·7	12·8	21	4	—9.5	5 7	4·5	+0·9	0	8	0	0	6	0	0	0	0	0
Simla	20·2	0	22·9	7	..	..	..	..	29 9	40·9	—128·8	12·1	22	5	—4·3	1.2	1.0	—0·7	0	7	0	0	2	0	0	0	0	0
Dharmpur	..	..	..	..	..	..	..	..	..	28·9	—151·7	18·2	3	2	—5·5	..	..	..	0	4	..	..	..	..	..	..	..	..
Lokpal	8·2	..	12·4	16	5·1	..	1 8	30	..	83·8	..	13·4	4	12	..	..	..	..	0	15	0	0	..	..	..	..	..	..
Badrinath (R)																												
Joshimath	23 9	..	26·4	7	14·1	..	11.4	24	9·0	21·4	..	5·0	10	4	..	5·5	4·5	..	1	8	0	0	0	1	0	0	0	0
Mussoorie	20·7	+1·0	23·1	8	..	..	..	..	40·2	58·8	—193·9	21·0	10	5	—7·8	8·4	6·2	+0·1	0	5	0	0	7	0	0	0	0	0
Mukteswar (Kumaun)	21·5	+1·7	24·7	18	11·8	—1·0	9·6	24	45·8	58.2	—143·2	37·0	3	3	—7·1	8·4	10·1	+2·1	0	7	0	0	10	0	0	0	0	0
Nainital	21·0	—0.1	23·4	17	13·6	—1·2	10·0	28,30	90·5	92·0	—238·8	61·0	3	7	—5·5	8·2	5.8	—1·2	0	8	0	0	0	0	0	0	0	0
Kalimpong	26·5	+2·8	29·5	6	18·9	+0·1	15·6	21	8·0	93·8	—193·7	22·0	9	9	—3.7	15·5	12 3	+3·3	0	11	0	0	0	3	0	0	0	0
Darjeeling	19·4	+0·2	23·5	5	13·7	—0·7	10·4	25	30·8	217·8	—262·3	34·0	25	17	0	2.6	1·9	+0·4	0	20	0	0	0	15	0	0	0	0
Kohima	23·2	.	26·3	1	18·6	..	17·0	20	154·7	258·7	..	45·6	18	22	..	..	2·0	..	0	23	0	0	0	4	0	0	0	0
Darjeeling	24·4	+0.9	30·2	6	15·9	—0·5	12 0	21	72·4	244·0	—55 5	56·8	27	16	—1·3	1.4	1·1	—1·3	0	16	0	0	0	0	0	0	0	0

(i) Mean of 19 days.

(R) Register not received.

Sub-Division and Station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm or more)		Wind speed, kms. per hour			Weather phenomena No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2 mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust storm	Ground frost	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28	29
Hill Stations excluding Kashmir— *(Contd.)*																													
Cherrapunji (R)																													
Abu	25·4	+1.4	29·0	21,30	17·3	−0·9	16·0	4 days	0	33.2	−204·8	20.2	3	2	−5·6	8.3	6.4	−2.3	0	3	0	0	1	4	0	0	0	0	0
Aijal	25.5	..	28·4	1	19·4	..	17·5	21	119·8	306·5	..	78·2	25	19	..	..	4.8	..	0	20	0	0	0	0	0	0	0	0	0
Pachmarhi	25·5	+0 2	28·9	30	17·6	−1·3	13·5	29	125.4	298.8	−61·6	174.0	2	9	−4·1	7.6	6.8	−0·3	0	10	0	0	4	0	0	0	0	0	0
Mahabaleshwar	22·0	+2·1	26·5	30	15·7	−0·3	13·8	17	76.4	172.1	−557.9	28·3	22	13	−9·6	11.2	11.7	−0·9	3	17	0	0	1	0	0	0	0	0	0
Mercara	23·3	+1·2	26·7	27	16·1	−0.5	15·0	4 days	70.4	169.0	−112·4	25.0	11	11	−7·2	14.3	11.6	+3.2	0	16	0	0	3	0	0	0	0	0	0
Ootacamund	18·5	+0·4	20·1	12,17	10·9	+0·3	7·2	17	60·0	94·8	−53·3	14·2	26	8	−4·0	2.8	1.7	−3.9	0	13	0	0	0	0	0	0	0	0	0
Coonoor (R)																													
Kodaikanal	18.6	+1.5	20·1	8	11·0	−0·1	8·7	27	66·1	113·6	−71·3	33.4	23	7	−4·9	9·5	11·3	−0.4	3	13	0	0	9	1	0	0	0	0	0
Nepal																													
Katmandu	27.5	..	31.0	5	17·8	..	14·1	30	15.8	82.7	..	27·2	19	9	..	1·1	0·4	..	1	14	0	0	8	0	0	0	0	0	0
Sikkim																													
Lachen	17·1	..	21·0	2,6	..	..	..	..	..	189·9	..	20·8	25	21	..	..	..	..	0	26	..	..	..	..	..	..	..	..	..
Hydrometeorological Observatories																													
Damodar Catchment																													
Tilaiya	30·4	..	33·5	5,19	23·5	..	20·6	25	65·3	236·1	..	182·8	24	6	..	10.0	7·2	..	1	11	0	0	0	0	0	0	0	0	0
Hazaribagh	28·7	..	31·6	18	21·0	..	18 0	29	130·0	224·5	..	72·7	24	9	..	8·7	5·2	..	2	13	0	0	3	1	0	0	0	0	0
Konar	35·6	..	37·5	1	21·9	..	20·9	17,18	17·0	98·4	..	31·2	6	9	..	7·8	5·7	..	0	9	0	0	0	0	0	0	0	0	0
Bokaro	32.3	..	36·1	18	20·9	..	18·9	23 26,	77·8	189·0	..	75·5	6	7	..	6·9	5 6	..	1	13	0	0	0	0	0	0	0	0	0
Maithon	32 9	..	36·9	17	23·2	..	20·3	27 30	65·4	172·3	..	61·9	6	8	..	..	..	..	0	11	0	0	1	0	0	0	0	0	0
Ramgarh	31·7	..	35·4	15,17, 18	23·2	..	21·0	29	50·6	284·0	..	160·6	24	8	..	5·4	4·1	..	0	13	0	0	5	0	0	0	0	0	0
Panchet Hills	31·9	..	35·2	17	25·3	..	23·4	20	47·9	172·0	..	37·2	30	11	..	4 5	4·5	..	0	13	0	0	1	0	0	0	0	0	0
Durgapur	32.3	..	35·7	18	24·7	..	22·2	26	87·3	194·7	..	51·0	20	11	..	10·9	8·9	..	0	13	0	0	0	0	0	0	0	0	0
Mahanadi Catchment																													
Ginabahar	30 8	..	34·1	17	21·0	..	17·5	30	..	275.8	..	62·8	23	11	..	..	..	..	0	14	0	0	0	0	0	0	0	0	0
Hirakud	32·5	..	35·6	18	25·0	..	23·4	6	68·7	132.5	..	37·7	20	9	..	7·1	4·9	..	0	13	0	0	7	0	0	0	0	0	0
Bhimkund	31.0	..	33·9	16	23·1	..	21·8	99,26	139·1	259·9	..	45·0	30	13	..	4·0	1·8	..	0	19	0	0	19	0	0	0	0	0	0
Sonepur	32·2	..	35·0	18	25·1	..	22·3	30 28	..	146.2	..	63·2	6	9	..	..	7·2	..	0	14	..	..	..	..	..	..	..	..	..
Khijrawan	30·8	..	33·1	17,18 19	24·0	..	21·1	4 days	0	98·0	..	40·2	22	6	..	11.9	6·8	..	0	10	0	0	0	0	0	0	0	0	0
Narmada Catchment																													
Bagra Tawa	31·5	..	35·6	29	21·9	..	18·4	29	85·8	167·0	..	61·6	3	6	..	6·5	4·2	..	0	12	0	0	2	0	0	0	0	0	0
Punasa																													
Thikri	34.6	..	39·5	23	23·3	..	20·3	10	..	4·7	..	3·0	24	1	..	..	..	..	0	2	0	0	0	0	0	0	0	0	0
Sabarmati Catchment																													
Dazoi	33.5	..	37·4	22	24·0	..	21·6	30	0	0	..	0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..	..
Gandak Catchment																													
Jomosom	23·1	..	26·6	5	10·5	..	4·5	28	0	3·0	..	3·0	9	1	..	..	..	..	0	1	..	..	..	..	..	..	..	..	..
Khudi Bazar	28·2	..	30·6	5,6	(b) 19·9	..	15·9	30	95·2	417·0	..	80·8	8	19	..	..	..	..	0	24	..	..	..	..	..	..	..	..	..
Timure	25.1	..	28·4	5,6	..	..	..	..	18·5	157·2	..	27·4	2	12	..	..	..	..	0	16	..	..	..	..	..	..	..	..	.
Pokhara	28.3	..	30·8	5	20·4	..	17·8	26	55·6	363·9	..	72·0	6	19	..	4·8	3.3	..	2	20	0	0	15	1	0	0	0	0	0
Gorkha	26.9	..	29.6	5	20.5	..	17.9	24	20.7	106.3	..	22.6	9	8	..	..	..	..	0	12	0	0	10	19	0	0	0	0	0
Nuwakot	..	..	..	..	(e) 19.9	..	15.5	24	84·2	237·2	..	53·3	3	13	..	..	..	..	0	17	..	..	..	..	..	..	..	..	..
Ghaghara Catchment (Trans Himalayan Region)																													
Dailekh	25.6	..	27·4	12,19	18·8	..	16·1	23, 29	38·2	136·6	..	34·2	28	7	..	..	..	..	0	8	..	..	..	..	..	..	..	..	..
Ghaghara Catchment																													
Dadeldhura	23·5	..	25·1	15,18	14·8	..	12·7	24	52·5	78.5	..	39·9	3	2	..	4·4	3·7	..	3	11	0	0	5	7	0	0	0	0	0
Sallayana	(b) 26 2	..	27·9	5	(c) 17·0	..	13·9	28	32·3	72·8		34·6	11	3	..	..	..	..	0	5	..	..	..	..	..	..	..	..	..
Butwal	32·2	..	35·4	9	24·2	..	21·4	24	81.8	210.6	..	32.4	18	11	..	..	..	..	0	14	..	..	..	..	..	..	..	..	..

(R) Register not received. (b) Mean of 29 days. (c) Mean of 28 day. (d) Total for 27 days. (e) Mean of 26 days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28	29
Hydrometeorological Observatories *(Contd.)*																													
Kosi Catchment																													
Chautara . .	25·9	..	28·6	5	17·4	..	14·3	23	16·9	174·4	..	43·1	19	8	..	..	..	..	0	11	..	..	..	..	..	..	..	..	..
Walungchung Gola	(b) 15·0	..	20·0	5	7·5	..	4·9	19,20, 24	80·3	274·5	..	38·1	24	19	..	..	..	..	1	23	..	..	..	..	..	..	..	..	..
Tapethok . .	26·6	..	31·6	8	16·9	..	14·3	26, 28	0	468·6	..	72·8	18	22	..	..	..	..	0	25	..	..	..	..	..	..	..	..	..
Bhojpur . .	23·8	..	25·9	5,20	16·8	..	13·6	25	37·4	165·2	..	45·5	11	9	..	..	..	..	0	11	..	..	..	..	..	..	..	..	..
Taplejung . .	23·1	..	27·1	5	15·8	..	12·6	25	39·8	274 3	..	88·2	18	16	..	5.3	3.4	..	0	24	0	0	1	8	0	0	0	0	0
Okhaldhunga .	22·8	..	26·8	9	15·4	..	12·8	18	71·0	160·6	..	24·0	13	14	..	2·4	2·2	..	0	18	0	0	5	10	0	0	0	0	0
Chainpur . .	26·9	..	29·5	8,11	18·9	..	15·2	24	23·2	71·0	..	14·0	18	8	..	..	..	..	0	12	..	..	..	..	..	..	..	..	..
Angbung* . .																													
Barahakshetra .	30·4	..	33·2	5	22·9	..	20·9	20	103·0	262·3	..	62·7	17	16	..	5·6	3·0	..	1	23	0	0	8	0	0	0	0	0	0
Tista Catchment																													
Gangtok . .	22·8	..	28·3	5	15·5	..	12·5	27	56·3	413·6	..	53·1	17	20	..	1·5	1·7	..	2	24	0	0	2	20	0	0	0	0	0
Gezing . .	24·4	..	29·7	5	16.7	..	13·5	20	13·2	296·3	..	90·4	23	12	..	..	..	..	0	16	..	..	..	..	..	..	..	..	..

(b) Mean of 29 days.

*Data available for less than 15 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km. p.h.): 62 or more	Wind speed (km. p.h.): 20 to 61	Wind speed (km. p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bay Islands																											
Maya Bandar	0830	28	1009.5	1006·4	..	26·5	25·2	24·7	31·1	90	..	5·7	..	7·3	0	1	27	1	0	0	1	0	18	8	0	2	0
	1730	"	1007.2	1004·1	..	26·0	24·7	24·1	30·0	90	..	6·2	..	10·3	0	3	26	0	0	0	0	0	21	8	0	1	0
Long Island	0830	25	1009.8	1007·0	..	26·9	25·5	24·9	31·5	89	..	6·4	..	1·3	0	0	10	0	0	0	0	0	8	2	0	20	0
	1730	"	1007.5	1004·6	..	26·0	24·7	24·1	30·0	89	..	6·3	..	1·1	0	0	12	0	0	0	0	0	10	2	0	18	0
Port Blair	0530	79	1008.5	999·6	..	24·6	23·9	23·5	28·9	94	..	7·0	..	14·0	0	9	19	3	0	0	0	0	0	14	11	2	0
	0830	"	1010.3	1001·4	+0·8	26·2	24·7	24·1	30·0	89	+5	7·1	+0·9	18·9	0	14	16	1	0	0	0	0	0	12	17	0	0
	1130	"	1009.0	1000·1	..	27·5	25·2	24·1	30.0	83	..	7·1	..	19·4	0	15	15	2	0	0	0	0	0	10	18	0	0
	1730	"	1008.0	999·1	..	25·7	24·5	24·0	29·8	91	..	7·2	..	11.7	0	3	25	4	1	0	0	0	0	12	11	2	0
	2330	"	1009.4	1000·4	..	25·0	24.3	23·9	29·7	93	..	6·3	..	10·3	0	4	25	2	0	0	0	0	1	19	7	1	0
Car Nicobar	0830	10	1010.9	1009·7	..	27·2	25·4	24·6	30·9	86	..	5·4	..	1·7	0	0	19	0	0	0	0	0	14	4	1	11	0
	1730	"	1008.7	1007·5	..	26·1	24·5	23·8	29·5	88	..	5·5	..	1·2	0	0	11	0	0	0	0	0	8	2	1	19	0
Nancowry	0830	26	1011.3	1008·4	..	27·2	25·1	24·1	30.0	84	..	5·9	..	9·7	0	0	30	0	0	0	0	1	20	5	4	0	0
	1730	"	1008.9	1006·0	..	26·3	24·6	23·9	29·7	86	..	6·3	..	8·7	0	1	27	0	0	0	0	0	15	9	4	2	0
Kondul	0830	8	..	..	..	27·2	25·0	24·0	29·8	83	..	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	"		..	..	26·3	24.7	24·0	29·8	87	..	6·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Assam (including NEFA)																											
Pasighat	0830	157	1008·0	990·3	..	25·0	23·6	23·0	28·1	89	..	7·1	..	8·1	0	2	25	1	6	1	1	0	2	1	15	3	0
	1730	"	1004·0	986·4	..	26·6	25·0	24·3	30·4	89	..	5·1	..	1·9	0	0	12	1	0	0	0	0	0	0	11	18	0
Dibrugarh (Mohan bari)	0230	111	1005·4	992·7	..	24·4	23·7	23·4	28·8	94	..	6·6	..	2·9	0	0	16	0	13	0	0	0	3	0	0	14	0
	0530	"	1006·2	993·6	..	23·8	23·3	23·1	28·3	96	..	7·0	..	4·9	0	1	21	2	14	3	0	2	0	1	0	8	0
	0830	"	1007·7	995·2	−0·2	25·7	24·5	24·0	29·8	91	+5	7·1	+1·3	5·9	0	0	27	1	13	6	2	0	1	2	2	3	0
	1130	"	1006·4	993·9	..	27·4	25·2	24·2	30·2	84	..	6·9	..	6·7	0	0	29	6	10	1	6	1	2	0	3	1	0
	1430	"	1003·5	991·2	..	28·5	25·3	23·9	29·7	77	..	6·1	..	6·3	0	0	30	3	17	3	2	1	3	1	0	0	0
	1730	"	1003·6	991·2	..	27·3	25·3	24·4	30.5	85	..	5·5	..	2·5	0	0	15	0	11	0	0	0	2	0	2	15	0
	2030	"	1005·9	993·3	..	25·6	24·5	24·0	29·8	90	..	(b) 5·0	..	(b) 2·8	0	0	15	2	12	1	0	0	0	0	0	14	0
	2330	"	1006.0	993·5	..	24·8	24·0	23·6	29·1	93	..	5·7	..	2·1	0	0	13	0	11	0	0	1	1	0	0	17	0
Digboi	0830	152	1009·3	992·0	..	26·7	24·1	22·9	27·9	83	..	(i) 6·1	..	(i) 3·8	0	0	22	5	4	6	0	3	0	3	1	0	0
	1730	"	1005·9	988·7	..	28·3	25·6	24·5	30·7	80	..	(i) 5·2	..	(i) 3·1	0	0	17	1	5	7	2	0	0	0	2	5	0
North Lakhimpur	0830	102	1008·1	996·5	+1·0	26·3	24·7	24·0	29·8	87	+3	6·5	+0·7	5·3	0	0	24	9	5	3	3	2	1	0	1	6	0
	1130	"	1006·7	995·3	..	28·3	25·3	24·0	29·8	78	..	6·0	..	5·5	0	2	23	6	8	0	3	7	1	0	0	5	0
	1430	"	1003·9	992·5	..	29·4	25·7	24·1	30·0	74	..	5·5	..	6·7	0	2	27	5	6	7	2	6	3	0	0	1	0
	1730	"	1004·1	992·7	..	27·2	25·6	24·9	31·5	87	..	5·3	..	3·5	0	1	20	6	8	1	1	4	1	0	0	9	0
	2030	"	1006·3	994·8	..	25·7	24·9	24·5	30·7	93	..	4·6	..	2·2	0	0	13	8	2	1	1	0	1	0	0	17	0
Sibsagar	0830	97	1008·0	997·1	+0·3	27.0	25·0	24·1	30·0	86	−1	7·5	+0·8	2·7	0	0	28	13	7	2	1	2	3	0	0	2	0
	1730	"	1003·9	993·1	..	28·0	25·8	24·9	31·5	79	..	6·0	..	2·3	0	0	24	10	8	1	1	1	3	0	0	6	0
Gohpur	0830	83	1007·7	998·3	..	26·2	25·0	24·5	30·7	90	..	7·1	..	4·1	0	0	27	0	15	1	4	1	2	0	0	3	4
	1730	"	1003·2	994·4	..	28·0	26·2	25·4	32·4	86	..	6·2	..	2·0	0	0	18	0	11	0	2	1	0	1	2	12	1
Majbat	0830	..	..	991·2	..	26·9	25·0	24·1	30·0	85	..	5·8	..	4·7	0	0	27	2	10	1	2	0	8	1	3	3	0
	1730	..	..	987·0	..	28·5	25·9	24·7	31·1	81	..	6·7	..	2·0	0	0	21	1	5	2	1	0	10	2	0	9	0
Jorhat (Aerodrome)	0530	90	1005·8	995·6	..	24·6	24·4	24·3	30·4	98	..	7·1	..	0·5	0	0	6	1	1	0	0	1	1	1	1	24	0
	0830	"	1007·4	997·2	..	27·1	25·2	24·3	30·4	87	..	6·9	..	1·7	0	0	23	1	10	2	1	2	6	1	0	7	0
	1130	"	1005·6	995·7	..	29·6	25·9	24·3	30·4	75	..	6·4	..	2·2	0	0	25	1	11	2	1	0	6	1	3	5	2
	1730	"	1003·3	993·3	..	27·9	25·5	24·5	30·7	84	..	5·5	..	0·7	0	0	10	0	8	1	0	0	1	0	0	20	0
	2330	"	1005·6	995·4	..	25·3	24·9	24·7	31·1	96	..	5·6	..	0·6	0	0	7	0	1	2	1	0	1	0	2	23	0
Tangla	0830	78	1007·0	998·3	..	26·9	25·6	25·0	31·7	88	..	5·2	..	1·1	0	0	16	0	1	0	7	0	8	0	0	14	0
	1730	"	1002·6	993·9	..	29·0	27·7	27·2	36·1	89	..	4·4	..	0·9	0	0	14	0	0	0	5	0	9	0	0	16	0
Tezpur	0830	79	1007.9	999·1	−0·1	26·5	25·1	24·5	30·7	89	+3	6·8	+1·0	2·5	0	0	24	1	13	2	0	0	8	0	0	6	0
	1730	"	1003·5	994·8	..	28·7	25·9	24·7	31·1	79	..	5.0	..	1·5	0	0	21	2	10	0	2	0	3	2	2	9	0
Golaghat	0830	95	1007·4	996·7	..	27·1	25·3	24·5	30·7	85	..	5·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	"	1003·5	992·9	..	29·3	26·1	24·7	31·1	77	..	4·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rangia	0830	60	1008·1	1001·3	..	28·3	25·7	24·6	30·9	81	..	5·4	..	5·7	0	0	30	0	7	9	2	2	2	5	3	0	0
	1730	"	1004·3	997·6	..	28·8	26·2	25·1	31·9	81	..	4·6	..	3·6	0	0	27	3	4	3	4	1	2	7	3	3	0
Chaparmukh	0830	66	1008·6	1001·2	..	27·9	25·6	24·6	30·9	82	..	5·8	..	4·9	0	0	30	0	6	5	12	4	0	1	2	0	0
	1730	"	1004·2	996·8	..	28·8	26·5	25·5	32·6	82	..	4·7	..	2·9	0	0	20	2	1	1	4	3	4	1	4	10	0
Goalpara	0830	38	1007·5	1003·3	..	26·6	25·0	24·3	30·4	89	..	5·6	..	1·8	0	0	23	0	11	0	6	1	4	1	0	7	0
	1730	..	1004·5	1000·3	..	28·5	26·0	24·9	31·5	80	..	5·7	..	1·8	0	0	24	0	2	2	7	1	6	5	1	6	0
Gauhati	0830	..	..	..	..	(p) 28·2	(p) 25·3	(p) 24·1	(p) 30·0	(P) 79	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

(a) Mean of 30 days. (b) Mean of 29 days. *Observatory closed down w.e.f. 16-9-1965. *Data not reliable. (f) Mean of 25 days. (p) Mean of 15 days. (R) Register not received.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in meters	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km. p. h.): 62 or more	Wind speed (km. p. h.): 20 to 61	Wind speed (km. p. h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
North Assam (Including NEFA)—(Contd.)																											
Gauhati (Bhorjor)	0230	34	1004·9	998·8	..	26·2	25·1	24·7	31.1	91	..	6·1	..	2·3	0	0	10	1	2	0	0	2	0	3	2	20	0
	0530	,,	1005·8	999·6	..	25·1	24·6	24·3	30.5	95	..	6·5	..	2·2	0	0	12	2	3	1	4	0	2	0	0	18	0
	0830	,,	1007·2	1001.1	0	27·7	25·6	24·9	31.5	84	+5	6·3	+0·9	4·7	0	0	24	8	6	1	1	2	1	3	2	6	0
	1130	,,	1005·9	999·9	..	29·7	26·3	24·9	31.5	76	..	5·9	..	6·9	0	0	30	12	9	1	0	0	3	3	2	0	0
	1430	,,	1003·2	997·1	..	29·9	26·3	24·8	31.3	75	..	6·4	..	6·9	0	0	27	6	3	1	2	1	2	6	6	3	0
	1730	,,	1003.4	997·3	..	28.3	26·1	25·2	31.1	83	..	6·3	..	4·0	0	0	21	2	2	1	2	1	3	7	3	9	0
	2030	,,	1005·6	999·5	..	27.4	26·1	25·5	32·6	90	..	5·7	..	1·7	0	0	9	0	1	3	0	1	1	2	1	21	0
	2330	,,	1005·9	999·8	..	26.9	25·6	25·1	31·9	90	..	5·8	..	2·5	0	0	12	1	1	2	1	2	3	2	0	18	0
hubri (Rupsi)	0530	45	1005·3	1000·2	..	25·0	24·5	24·3	30·4	96	..	6·5	..	4·3	0	0	22	1	6	4	4	3	3	0	1	8	0
	0830	,,	1006·9	1001·8	..	27·4	25·8	25·1	31·9	87	..	6·2	..	5·9	0	0	27	0	4	12	3	5	3	0	0	3	0
	1130	,,	1006·0	1001·0	..	29·3	26·3	25·0	31·7	78	..	6·6	..	6·5	0	0	29	2	4	5	4	5	4	3	2	1	0
	1730	,,	1003·0	997·9	..	28·4	26·4	25·6	32·8	85	..	5·9	..	3·7	0	0	22	0	1	3	2	5	6	2	3	8	0
Dhubri . . .	0830	35	1007·6	1003·7	+0·4	27·6	25·7	24·9	31·5	86	+1	4·7	−0·5	6·0	0	0	27	0	15	2	3	1	5	0	1	3	0
	1730	,,	1004·3	1000·3	..	27·8	26·0	25·2	32·1	85	..	5·2	..	0·1	0	0	2	0	2	0	0	0	0	0	0	28	0
Lumding . .	0830	149	1007·4	990·6	..	26·5	24·9	24.3	30·4	88	+3	5·8	..	1·1	0	0	13	0	0	8	4	1	0	0	0	17	0
	1730	,,	1003·8	986·8	..	29.	26·3	25·2	32·1	79	..	5·8	..	1·1	0	0	15	0	0	3	4	2	2	4	0	15	0
South Assam (Including Nagaland Manipur and Tripura)																											
Tura . . .	0830	370	1007·6	966·5	..	25·0	23·7	23·1	28·3	89	..	6·9	..	2·0	0	0	19	2	0	4	5	2	4	1	1	11	0
	1730	,,	1004.0	963·1	..	26·6	24.5	23·6	29·1	84	..	6·7	..	2·7	0	[illegible]	19	2	1	1	5	2	4	4	0	11	0
Haflong . . .	0830	682	1007.3	932·3	..	23·1	21·7	21·0	24·9	88	..	5·9	..	3·7	0	[illegible]	26	0	0	0	0	6	20	0	0	4	0
	1730	,,	1003·2	928·9	..	25·0	22·9	21·9	26·3	83	..	5·3	..	3.7	0	0	21	0	1	0	0	0	20	0	0	9	0
Silchar (Kumbhigram)	0530	97	1005·4	994·5	..	24·1	23·6	23·3	28·6	96	..	6·6	..	4·5	0	0	17	0	1	14	0	0	1	1	0	13	0
	0830	,,	1006·7	995·8	..	26·7	24·8	24·0	29·8	85	..	6·7	..	3·2	0	0	17	0	4	9	0	0	3	1	0	13	0
	1130	,,	1005·0	994·3	..	29 6	25·8	24·1	30·0	73	..	6·0	..	4·0	0	0	23	2	1	4	0	6	3	6	1	7	0
	1730	,,	1002·9	992·1	..	27·8	25·5	24·5	30·7	82	..	5·9	..	3·4	0	0	18	0	2	1	2	1	0	11	1	12	0
Silchar . . .	0880	29	1008·4	1005·1	+0·4	27·2	25·6	24·9	31·5	87	+3	6·2	+0·4	0·7	0	0	10	2	2	1	3	2	0	0	0	20	0
	1730	,,	1004·4	1001·1	..	29·0	26·6	25·6	32·8	82	..	5·5	..	0·3	0	0	4	0	1	0	0	1	1	1	0	26	0
Impha (Tulihal) .	0530	781	1007·8	921·8	..	21.8	21·3	21·0	24·9	96	..	7·1	..	1·7	0	0	8	0	3	3	1	0	0	1	0	22	0
	0830	,,	1008·0	923·0	0	24·7	22·3	21·1	25·1	81	0	6·8	+0·7	2·6	0	0	10	1	2	2	2	1	1	0	1	20	0
	1130	,,	1005·8	921·6	..	26·9	22·8	21·0	24·9	70	..	6·5	..	6·7	0	0	21	1	0	0	3	7	4	2	4	9	0
	1430	,,	1002·7	919·0	..	27·9	23·1	20·9	24·7	66	..	6·1	..	8·0	0	1	22	1	1	0	5	4	2	5	5	7	0
	1730		1004·2	919·6	..	24·9	22·2	21.0	24·9	79	..	6·7	..	8·5	0	0	26	1	0	0	6	4	1	4	10	4	0
	2030	,,	1006·9	921·4	..	23·6	22·0	21·3	25·3	87	..	6·3	..	4·5	0	0	17	0	0	4	4	4	0	3	2	13	0
	2330	,,	1007·4	921·8	..	22·7	21·8	21·3	25·3	92	..	6·4	..	1·1	0	0	4	0	2	0	1	1	0	0	0	26	0
Kailashahar . .	0530	29	1007·0	1003·7	..	24 8	24·3	24·1	30·0	96	..	6·4	..	2·6	0	0	16	0	2	1	3	3	6	1	0	14	0
	0830	,,	1008·3	1005·1	..	27·8	25·8	24·9	31·5	85	..	6·2	..	5·1	0	0	27	0	1	8	3	4	9	2	0	3	0
	1130	,,	1007·1	1003·9	..	29·8	26·6	25·3	32·2	77	..	6·1	..	4·5	0	0	25	1	5	2	2	5	8	1	1	5	0
	1730	,,	1004·8	1001·6	..	28·1	26·2	25·4	32·4	85	..	6·5	..	3·2	0	0	20	1	4	1	0	4	7	0	3	10	0
Agartala . .	0230	16	1004·9	1003·1	..	25·7	24·9	24·5	30·7	93	..	5·7	..	5·7	0	0	18	0	0	1	7	9	0	0	1	12	0
	0530	,,	1005·3	1003·5	..	24.8	24·4	24·2	30.2	95	..	6·2	..	4·9	0	0	15	0	3	1	7	3	1	0	0	15	0
	0830	,,	1006·7	1004·9	+0.7	28·2	26·2	25.4	32·4	85	0	6·4	0	10·0	0	1	23	0	1	2	10	9	1	0	1	6	0
	1130	,,	1005·8	1004·0	..	29·9	26·7	25·4	32·4	77	..	(b) 6·7	..	(b) 9·8	0	1	23	2	1	0	7	7	2	3	3	5	0
	1430	,,	1003·4	1001·6	..	29·8	26·5	25·2	32·1	77	..	6·7	..	11·1	0	2	26	1	1	2	1	9	5	5	4	2	0
	1730	,,	1003·6	1001·8	..	27·8	25·8	24·9	31·5	85	..	6·4	..	6·8	0	0	20	0	1	1	3	13	2	0	0	10	0
	2030	,,	1005·6	1003·8	..	26·8	25·5	25·0	31·7	90	..	5·2	..	5·8	0	0	16	0	0	1	3	10	0	2	0	14	0
	2330	,,	1005·9	1004·1	..	26·3	25·4	25.0	31·7	92	..	5·5	..	5·8	0	0	18	0	0	3	7	8	0	0	0	12	0
Sub-Himalayan West Bengal.																											
Bagdogra . .	0230	131	1005·1	990·3	..	25·3	24·3	23·8	29·5	92	..	5·9	..	5·6	0	1	16	6	6	4	1	0	0	0	0	13	0
	0530	,,	1005·8	990·8	..	24·7	23·4	22·7	27·6	94	..	6·2	..	4·3	0	1	12	3	7	3	0	0	0	0	0	17	0
	0830	,,	1007·4	992·6	+1·0	26·6	24·6	23.7	29·3	81	+3	6·5	+0·7	9·8	0	0	27	0	11	12	2	1	0	0	1	3	0
	1130	,,	1006·6	991·9	..	29·1	25·6	24·1	30·0	75	..	6·1	..	19·1	0	2	27	0	10	10	5	3	1	0	0	1	0
	1430	,,	1003·6	989·0	..	30·1	25·9	24·1	30·0	71	..	5·5	..	12·0	0	3	25	0	4	9	5	5	4	0	1	2	0
	1730	,,	1003·5	988·9	..	28·4	25·8	24·7	31·1	80	..	5·1	..	7·3	0	2	18	2	6	4	3	1	2	2	1	10	0
	2030	,,	1005·6	991·0	..	27·1	25·3	24·5	30·7	86	..	5·1	..	4·3	0	0	13	0	7	3	2	0	1	0	0	17	0
	2330	,,	1006·3	991·4	..	25·9	24·7	24·2	30·2	90	..	5·7	..	6·9	0	2	13	7	6	1	1	0	0	0	0	15	0
Jalpaiguri . .	0830	83	1007·9	997·5	−0·1	25·8	24·5	23·9	29·7	89	+2	5·7	+1·3	5·4	0	0	29	6	8	12	1	0	0	0	2	1	0
	1730	,,	1003·0	993·8	..	28·7	25·8	24·5	30·7	79	..	3·5	..	5·3	0	0	28	2	2	6	8	3	6	1	0	2	0
Cooch Behar . .	0830	43	1006·3	1002·5	..	27·2	25·4	24·6	30·9	86	..	5·5	..	6·5	0	1	24	0	6	13	2	0	2	0	1	5	1
	1130	,,	1006·5	1001·7	..	29·1	26·3	25·1	31·9	80	..	5·7	..	6·3	0	0	22	0	2	10	4	2	2	1	1	8	0

(b) Mean of 29 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed in Km. per hour	Wind speed (km. p. h.): 62 or more	20 to 61	1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Sub-Himalayan West Bengal—(*Contd*)																											
Cooch Behar (contd.)	1730	43	1003·7	998·9	..	28·6	26·4	25·5	32·6	84	..	4·8	..	1·3	0	0	7	0	1	2	3	1	0	0	0	23	0
Balurghat	0830	26	1005·8	1003·0	..	28·1	25·9	25·0	31·7	83	..	5·5	..	3·4	0	0	29	1	4	3	9	3	7	0	2	1	0
	1730	,,	1002·7	999·8	..	29·1	26·4	25·3	32·2	80	..	5·0	..	1·4	0	0	14	0	0	3	5	3	2	1	0	16	0
Malda	0830	31	1006·6	1003·0	+0·5	28·6	26·0	24·9	31·5	81	0	5.2	+1·0	2·5	0	0	24	0	2	6	8	0	6	1	1	6	0
	1730	,,	1003·0	999·5	..	29·0	26·0	24·7	31·1	78	..	5·3	..	1·9	0	0	15	1	0	4	7	1	0	1	1	15	0
Gangetic West Bengal																											
Berhampore	0830	19	1006·3	1004·1	0	28.3	26·6	25·9	33·4	87	+5	6·2	+0·8	3·7	0	0	26	0	0	11	0	12	0	3	0	4	0
	1730	,,	1002·9	1000.8	..	28·8	26·5	25·7	33·0	83	..	6·0	..	2·1	0	0	16	0	0	6	1	8	1	0	0	14	0
Suri	0830	..	..	..	..	28·3	25.9	25·0	31·7	82	..	5·6	..	4·6	0	0	30	4	0	5	2	10	1	8	0	0	0
Asansol	0230	126	1004 1	989·9	..	25 8	24·6	24·1	30·0	89	..	3·8	..	2·2	0	0	11	0	0	1	5	2	3	0	0	19	0
	0530	,,	1004·7	990·4	..	25·4	24·4	23·9	29·7	92	..	5·2	..	2·6	0	0	14	0	0	2	8	0	3	0	1	16	0
	0830	,,	1006·1	991·9	+0.5	28·5	25·5	24·2	30·2	77	−6	5·2	0	5·2	0	0	27	1	1	4	6	6	1	7	1	3	0
	1130	,,	1005·2	991·3		31·0	25·8	23·5	28·9	65	..	5·6	..	6·1	0	0	27	1	3	1	7	4	2	5	4	3	0
	1430	,,	1002·6	988·7	..	31·3	25·9	23·5	28.9	65	..	5·5	..	6·8	0	0	28	3	1	3	5	4	2	5	5	2	0
	1730	,,	1002·8	988·7	..	29·1	25.6	24·1	30·0	75	...	5·7	..	4·2	0	0	18	1	1	1	5	7	0	1	2	12	0
	2030	,,	1005·0	990.8	..	27·1	25·0	24·1	30·0	84	..	4·0	..	2·7	0	0	12	1	1	1	2	4	2	1	0	18	0
	2330	,,	1005·1	990·8	..	26·5	25·0	24·3	30·4	88	..	4·1	..	2·9	0	0	15	0	1	3	3	3	5	0	0	15	0
Shanti Niketan	0830	59	1006·5	999·9	..	28·1	26·6	25·9	33·4	86	..	5·4	..	4·2	0	0	26	2	2	3	2	6	8	1	2	4	0
	1130	,,	1005 9	999·3	..	30·6	26·9	25·3	32·2	74	..	5·4	..	4·5	0	0	25	2	4	5	2	2	6	1	3	5	0
	1730	,,	1003·2	996·5	..	28.8	26·6	25·7	33·0	84	..	5·8	..	4·3	0	0	21	2	3	2	4	7	2	1	0	9	0
Krishnanagar	0830	15	1006 9	1005·3	+1·1	29·0	26·8	25·9	33·4	83	+2	4·6	−0·8	0·8	0	0	9	0	1	1	0	7	0	0	0	21	0
	1730	,,	1003·5	1001·9	..	29·0	26·4	25·3	32·2	81	..	5.2	..	0·9	0	0	12	0	0	0	1	11	0	0	0	18	0
Purulia	0830	255	1006·3	977.9	+0·8	27·0	24·6	23·5	28·9	81	−1	5·2	−0·2	4·7	0	0	25	3	1	1	8	2	2	2	6	5	0
	1730	,,	1003·0	974·8	..	29·2	25·2	23·4	28·8	72	..	6.0	..	5·0	0	0	22	2	3	2	10	2	0	1	2	8	0
Bankura	0830	100	1005 7	994·5	..	28·1	25·6	24·6	30·9	81	..	3.9	..	1·5	0	0	12	0	1	2	2	1	2	1	1	18	2
	1730	,,	1002·5	991·3	..	29·2	25·6	24 0	29·8	75	..	4·4	..	1·4	0	0	9	0	0	2	1	0	0	0	0	21	6
Burdwan	0830	32	1006·3	1002·7	+0·4	28·8	26·1	24·8	31·3	79	−4	3·5	−1·9	..	..	..	..	..	..	..	..	..	..	..	..	..	0
	1730	,,	1003 0	999·4	..	29·5	26·2	24·8	31·3	76	..	4.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0
Barrackpore (Aerodrome)	0530	7	1005·1	1004·3	..	26·1	25·4	24·9	31·5	94	..	5·0	..	4.1	0	0	22	1	0	6	0	9	4	1	1	8	0
	0830	,,	1006·5	1005 8	+1·2	28·6	26·3	25·3	32·2	83	−3	5·4	−0·8	6·1	0	0	24	1	0	6	1	1	10	2	3	6	0
	1130	,,	1005 8	1005·1	..	30·3	26·7	25 3	32·2	75	..	2·8	..	6·0	0	0	25	1	0	4	3	4	4	8	1	5	0
	1730	,,	1003·7	1002·9	..	28·2	26·0	25·1	31·9	84	..	6·2	..	4·8	0	0	23	0	1	4	7	7	2	1	1	7	0
	2330	,,	1005 7	1004·9	..	26·7	25·7	25·4	32·4	92	..	4·4	..	2·9	0	0	13	0	1	0	5	7	0	0	0	17	1
Calcutta (Dum Dum)	0230	6	1004·0	1003 3	..	26·4	25·8	25·5	32·4	94	..	4·7	..	3·8	0	0	19	0	0	4	5	6	3	1	0	11	0
	0530	,,	1004·5	1003·8	..	26·2	25·5	25.3	32·2	95	..	5·7	..	2·5	0	0	14	0	1	3	5	2	3	0	0	16	0
	0830	,,	1005·9	1005·2	+0.2	28·8	26·4	25 4	32·4	83	+2	6·1	0	4·6	0	0	24	0	1	3	8	3	5	3	1	6	0
	1130	,,	1005·3	1004·6	..	30·3	26·6	25 0	31·7	74	..	6·6	..	6·8	0	0	30	0	4	3	12	2	4	2	3	0	0
	1430	,,	1003·0	1002·3	..	29·9	26·6	25·3	32·4	77	..	6·7	..	6·5	0	0	26	1	2	1	11	4	5	0	3	3	0
	1730	,,	1003·0	1002·3	..	28 5	26 1	25 2	32·1	82	..	6·8	..	5·5	0	0	26	0	1	2	10	10	1	1	1	4	0
	2030	,,	1005·0	1005·3	..	27·3	26·0	25·4	32 4	89	..	4·2	..	3·2	0	0	16	0	0	1	9	4	2	0	0	14	0
	2330	,,	1005·2	1004·5	..	26·8	25·9	25·7	33·0	92	..	4·4	..	3·9	0	0	23	0	1	3	6	8	4	1	0	7	1
Calcutta	0830	6	1006·1	1005·5	+0·2	29 3	26·5	25·3	32.2	79	−4	5·0	−0·7	5·3	0	0	27	0	0	3	8	4	6	4	2	3	0
	1130	,,	1005.3	1004·7	..	30·5	26 5	24 8	31·3	72	..	6·0	..	6·2	0	0	28	2	0	3	8	5	2	5	3	2	0
	1730	,,	1003·2	1002·5	..	28·7	25·9	24 7	31·1	80	..	5·4	..	5·3	0	0	26	0	0	4	8	9	3	2	0	4	0
Midnapore	0830	45	1005 8	1000·7	0	27·9	25.8	24 9	31·5	84	+2	3·5	−1·0	1·3	0	0	17	3	2	3	1	3	3	2	0	13	0
	1730	,,	1003·0	997·9	..	28·5	25·9	24·8	31·3	81	..	5·1	..	1·8	0	0	18	1	1	1	2	9	4	0	0	12	0
Contai	0830	11	1005 9	1004·7	+1·2	28·7	26·7	25·9	33·4	85	+1	4·3	−1.1	6·3	0	0	22	5	0	1	3	6	4	2	1	8	0
	1730	,,	1003·1	1001 9	..	28·7	26·6	25·7	33·0	84	..	4·0	..	6·7	0	0	23	1	1	0	5	14	2	0	0	7	0
Sagar Island	0830	3	1005·6	1005·3	0	28 7	26·6	25·7	33·0	84	+3	5·1	−1·0	15·3	0	10	20	2	2	3	4	6	7	3	3	0	0
	1730	,,	1002·9	1002·6	..	28·7	26·4	25·4	32·4	82	..	5·5	..	14·9	0	6	24	1	0	3	8	11	5	1	1	0	0
Saugeheads	0550	10	1004·3	1003·2	..	27·9	26·1	25·3	32·2	86	..	5·2	..	14·9	0	11	14	0	0	0	6	8	9	2	0	5	0
	0830	,,	1006·0	1004·9	+0·1	30·0	26·8	25·5	32 6	78	−1	5·0	0	14·5	0	11	15	1	0	1	0	10	10	2	2	4	0
	1130	,,	1005·7	1004·6	..	30·7	27·0	25·5	32·6	75	..	5·6	.	13·5	0	8	18	2	1	1	3	9	7	2	1	4	0
	1730	,,	1003·3	1002·2	..	29·1	26·4	25·2	32·1	80	..	5·7	..	13 6	0	10	11	0	1	0	3	9	7	1	0	9	0
	2330	,,	1005·2	1004·1	..	28·4	26·3	25·4	32·4	85	..	3·9	..	16·1	0	14	8	0	0	2	2	9	6	2	1	8	0
Orissa Baripada	0830	54	1006.7	1000 6	..	28·4	25·9	24·9	31·5	81	..	3·7	..	2·1	0	0	21	6	5	1	1	3	3	1	1	9	0
	1730	,,	1004·0	997·9	..	27·9	25·8	24·9	31·5	84	..	6·0	..	1·5	0	0	11	1	1	1	3	2	2	1	0	19	0
Jharsuguda	0230	230	1003·6	977·9	..	25·3	24·2	23·7	29·3	91	..	5·9		4·4	0	0	15	0	2	1	3	1	4	4	0	15	
	0530	,,	1004·1	978·3	..	24·7	23·9	23·5	28·9	93	..	6·0	..	4·7	0	0	18	1	5	3	0	3	1	4	1	12	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km. p. h.): 62 or more	Wind speed (km. p. h.): 20 to 61	Wind speed (km. p. h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Orissa (*Contd*)— Jharsuguda (Contd)	0830	230	1005.8	980·1	+0·9	27·2	24·8	23·7	29·3	81	−3	5 4	−0·7	7·5	0	0	22	2	2	5	1	2	5	3	2	8	0
	1130	,,	1004·9	979·4	..	29·7	25·5	23·6	29·1	70	..	5 6	..	10·9	0	3	24	3	5	2	2	2	5	5	3	3	0
	1430	,,	1002·1	976·8	..	30·5	25·4	23·1	28·3	65	..	6·1	..	11·1	0	0	29	1	4	4	0	3	6	7	4	1	0
	1730	,,	1002·3	976·9	..	28·8	25·1	23·4	28·9	72	..	6·4	..	7·8	0	0	25	1	4	3	2	3	1	8	3	5	0
	2030	,,	1004·6	979·0	..	26·7	24·8	23·9	29·7	85	..	6·1	..	5 8	0	0	19	0	2	3	2	2	4	5	1	11	0
	2330	,,	1005·0	979·3	..	26·0	24·5	23·9	29·7	88	..	6·1	..	5·2	0	0	18	0	0	5	3	3	4	3	0	12	0
Keonjhargarh	0830	463	1004·9	954·0	..	25·3	23·2	22·3	26·9	82	..	7·7	..	1·7	0	0	23	0	4	7	0	1	1	8	2	7	0
	1730	,,	1003 3	952·6	..	26·1	23·6	22·5	27·3	81	..	6·8	..	1·8	0	0	26	1	0	9	2	5	2	7	0	4	0
Balasore	0830	20	1005 9	1003·6	+0·2	28·6	26·3	25·3	32·2	83	+0	6·1	+0·9	5·3	0	0	27	6	2	0	1	4	10	2	2	3	0
	1730	,,	1003·1	1000·9	..	28·7	26·1	25·0	31·7	81	..	6·5	..	4·0	0	0	24	0	0	1	7	10	·5	1	0	6	0
Sambalpur	0830	148	1004·8	988·3	−1·0	28·2	25·2	23·9	29·7	77	−5	4·1	−0·9	2·9	0	0	24	0	1	1	2	8	11	1	0	6	0
	1730	,,	1002·2	985·7	..	28·0	25·1	23·8	29·5	77	..	4·7	..	1·5	0	0	13	1	1	0	1	2	6	2	0	17	0
Angul	0830	139	1005·7	990·3	+0·2	27·7	25·3	24·2	30·2	82	0	6·4	+1·0	3·0	0	0	25	1	1	6	0	2	1	12	2	5	0
	1730	,,	1002·8	987·3	..	28·1	25·2	23·9	29·7	79	..	7·4	..	3·3	0	0	28	0	0	8	3	3	4	10	0	2	0
Chandbali	0830	6	1005·4	1004·7	0	28·9	26·4	25·3	32·2	81	−2	5·6	+0.2	4·3	0	0	26	1	0	0	5	3	5	3	9	4	0
	1730	,,	1002·2	1001·5	..	28·7	26·2	25·1	31·9	82	..	6·1	..	4·9	0	0	26	1	1	3	9	4	7	0	1	4	0
Bolangir	0830	190	1005·9	984·7	..	27·6	24 9	23·6	29·1	79	..	4.5	..	4 5	0	0	30	5	5	0	1	10	8	0	1	0	0
	1730	,,	1002·7	981·4	..	29·4	25·6	23·9	29·7	74	..	(b) 6·5	..	(b) 4·6	0	0	29	8	3	2	1	5	4	3	3	0	0
Phulbani	0830	464	1003·7	952·9	..	25·7	23·7	22·6	27·3	84	..	3·3	..	1·2	0	0	12	0	1	0	1	2	1	6	0	18	1
	1730	,	1000·7	949·9	..	26·9	23·7	22·2	26·7	76	..	5·4	..	0·1	0	0	2	0	0	0	0	0	0	2	0	28	0
Cuttack	0830	27	1005·7	1002·7	−0·3	28·3	26·0	25·1	31·9	83	+3	3·0	−2·0	4·6	0	0	22	0	2	4	0	1	1	4	6	8	1
	1730		1003·2	1000·2	..	29·4	26·3	24·9	31·5	78	..	4·6	..	4·0	0	0	17	0	1	0	6	3	4	2	1	13	0
Titlagarh	0830	211	1006·4	982·9	..	28·1	25·4	24·3	30·4	79	..	3·8	..	2·0	0	0	30	0	5	0	1	0	20	0	4	0	0
	1730	,,	1003·1	979·8	..	29·7	25·8	24·1	30 0	72	..	4 3	..	2·0	0	0	30	0	11	0	3	0	10	0	6	0	0
Bhubaneswar	0230	46	1004·1	998·9	..	25.9	25·2	24·9	31·5	90	..	4.1	..	5·3	0	1	22	1	2	2	3	4	7	2	2	7	0
	0530	,,	1004·5	999·3	..	25·5	24.9	24·6	30.9	85	..	4·7	..	4·1	0	0	22	1	3	2	2	3	3	5	3	8	0
	0830	,,	1006·1	1000·9	+1·2	28·8	26·3	25·3	32·2	82	−3	4.8	−1·5	7·0	0	0	28	4	2	2	1	5	5	4	5	2	0
	1130	,,	1005·5	1000·3	..	30·5	26·5	24 8	31.3	72	..	5 5	..	10·3	0	4	25	3	2	4	1	6	4	6	3	1	0
	1430	,,	1002·9	997·8	..	30·0	26·2	24 6	30·9	74	..	6 0	..	11·4	0	4	25	1	2	3	3	6	5	5	4	1	0
	1730	,,	1003·4	998·3	..	28 6	26·2	25·2	32·1	82	..	6 5	.	10·4	0	5	24	1	3	6	1	2	10	5	1	1	0
	2030	,,	1005·5	1000 3	..	26·8	25·4	24·8	31·3	89	..	4·9	..	7·4	0	2	24	1	1	4	1	5	6	6	2	4	0
	2330	,,	1005·5	1000.3	..	26·3	25·4	25·1	31·9	92	..	4·3	..	5·4	0	0	24	2	1	2	5	4	6	1	3	6	0
Puri	0830	6	1006·0	1005·3	+0·3	29·5	26·5	25.3	32·2	78	−2	4·3	−0 4	10·3	0	4	26	6	4	0	4	3	10	2	1	0	0
	1730	,,	1003·3	1002·6	..	29·3	26·5	25·3	32·2	80	..	6·3	..	15·1	0	9	21	2	1	0	6	4	14	1	2	0	0
Gopalpur	0530	17	1004·4	1002·5	..	26·3	25·2	24·7	31·1	91	..	5·6	..	6·7	0	3	15	1	1	0	0	1	6	2	7	12	0
	0830	,,	1006·1	1004.2	+0.3	28·6	26·1	25 1	31·9	81	0	5·4	+1.2	9·7	0	5	20	6	1	1	0	2	8	2	5	5	0
	1130	,,	1005·7	1003·8	..	30·6	26·8	25·2	32·1	74	..	5·2	..	15·0	0	7	22	3	2	0	4	8	8	1	3	1	0
	1730	,,	1003·3	1001·4	..	29·2	26·4	25·2	32 1	79	..	6·0	..	18·3	0	12	18	0	1	2	4	7	14	0	2	0	0
	2330	,,	1005·6	1003·7	..	27·3	25·9	25·3	32·2	89	..	6·0	..	10·9	0	3	21	4	1	0	0	6	8	2	3	6	0
Koraput	0830	913	1482·1	907·8	+0·9	22·0	20·8	20 2	23·7	89	0	(c) 5·5	−0·4	(c) 9·3	0	0	28	1	2	1	1	9	9	3	2	0	0
	1730	,,	1463·2	905·4	..	24·6	21·3	19 7	22·9	74	..	(d) 6·5	..	(d) 9·8	0	0	27	2	6	1	1	2	5	1	9	0	0
Bihar Plateau Dumka	0830	149	1005·9	989·2	0	28·1	25·7	24 7	31·1	82	+1	4·2	−0·5	5·1	0	0	24	0	2	3	8	3	5	2	1	6	0
	1730	,,	1002·4	985·9	..	28·7	26·0	24·9	31·5	80	..	3·5	..	3 9	0	0	20	0	1	5	5	8	0	1	0	10	0
Daltonganj	0830	221	1005.1	980·4	−0·5	27·6	24·9	23·7	29·3	80	+1	2·7	−0·8	2·5	0	0	22	1	4	1	0	4	5	3	4	8	0
	1730	,,	1002·4	977.8	..	28.9	25.3	23·7	29·3	75	..	4.1	..	2·4	0	0	22	2	7	0	2	0	8	2	1	8	0
Hazaribagh	0830	611	1005·5	938.4	+0·1	24.8	22.6	21.6	25·8	83	+2	5.4	−0·2	7·5	0	2	21	0	2	4	3	3	2	1	8	7	0
	1730	,,	1002·4	935.7	..	26.0	22.9	21·5	25·6	77	..	5.3	..	7·4	0	1	24	3	0	4	6	0	3	1	8	5	0
Dhanbad	0830	257	1005 1	976·9	..	27·4	24.8	23·6	29·1	80	..	4.1	..	2·3	0	0	21	1	2	0	10	1	2	3	1	9	1
	1730	,,	1002 3	973·9	..	28·8	25·0	23·3	28·6	73	..	4 0	..	1.9	0	0	16	0	0	0	10	2	2	2	0	14	0
Ranchi	0830	655	1005 0	933·0	−0·6	23·7	20·7	19·2	22·2	76	−5	5·1	0	0·9	0	0	12	2	0	0	0	6	0	0	4	18	0
	1730	,,	1002·1	930·7	..	25·0	21·0	19·0	22·0	70	..	5 3	..	1·3	0	0	20	3	0	2	1	8	0	1	5	10	0
	0530	652	1004·3	932 4	..	22·3	21·7	21 4	25·5	94	..	5·5	..	6·5	0	0	16	0	1	2	3	4		2	2	14	0
Ranchi Aerodrome	0830	,,	1005 3	933 9	..	24·7	22 4	21·3	25·3	79	..	5·4	..	11.5	0	6	17	2	0	3	2	5	1	6	4	7	0
	1130	,,	1004·4	933 6	..	26·9	22·9	21·1	25·0	72	..	6·0	..	10·7	0	5	17	3	2	2	3	1	3	3	5	8	0
	1430	,,	1001 8	931·3	..	27·2	23·0	21·4	25·0	71	..	6·3	..	13.1	0	8	16	4	4	5	1	3	1	3	3	6	0
	1730	,,	1002·1	931·2	..	26 0	22.9	21·5	25·6	77	..	6·3	..	11.1	0	6	17	4	0	4	4	4	1	1	5	7	0
	2030	,,	1004 6	933 1	..	24·1	22·6	21 9	26·3	88	..	5·7	..	7·2	0	5			0	3		2	2	1	1	16	0
Jamshedpur	0830	129	1005·1	990·7	−0·2	28·1	25·6	24·5	30·7	81	0	4·5	−1·2	3·5	7	0	24		0	5	2		4				0
	1730	,,	1002·0	987·9	..	29·2	25·7	24·1	30.0	75	..	5·8	..	3·4	0	0	24	1		7		3	0	3	2	6	0

(R) Register not received. (c) Mean of 28 days. (d) Mean of 27 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (km. p. h.): 62 or more	Wind speed (km. p. h.): 20 to 61	Wind speed (km. p. h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bihar Plains																											
Jamshedpur P.B.O.	0530	142	1004.3	988.3	..	25.1	24.4	24.0	29.8	94	..	4.8	..	2.8	0	0	13	1	3	5	1	1	1	0	1	17	0
	0830	,,	1005.8	989.9	..	27.8	25.3	24.2	30.1	81	..	4.9	..	5.2	0	0	23	0	3	5	2	4	5	1	3	7	0
	1130	,,	1004.9	989.2	..	30.0	25.7	24.0	29.8	70	..	5.6	..	6.4	0	0	30	2	3	4	5	3	3	5	5	0	0
	1430	,,	1002.3	986.5	..	30.5	25.5	23.5	28.9	67	..	5.9	..	7.1	0	0	27	2	2	5	3	4	1	2	8	3	0
	1730	,,	1002.7	986.9	..	28.3	25.3	24.1	30.0	78	..	6.3	..	6.0	0	0	22	0	2	8	4	1	4	0	3	8	0
	2030	,,	1004.7	988.8	..	26.8	25.1	24.3	30.4	87	..	4.7	..	3.8	0	0	18	1	4	9	0	2	0	1	1	12	0
	2330	,,	1004.9	988.9	..	25.9	24.9	24.5	30.7	91	..	4.3	..	2.9	0	0	14	0	5	4	3	0	1	1	0	16	0
Chaibasa	0830	226	1005.8	980.5	+0.4	27.4	24.8	23.6	29.1	80	−1	5.3	+0.2	2.9	0	0	20	0	4	0	4	0	11	0	1	10	0
	1730	,,	1002.4	977.3	..	28.1	25.1	23.8	29.5	79	..	7.0	..	1.3	0	0	12	0	3	0	2	0	5	1	1	18	0
Motihari	0830	66	1005.6	998.1	+0.1	27.5	25.9	25.2	32.1	87	+7	4.5	+0.6	7.2	0	0	28	0	4	14	4	0	2	2	2	2	0
	1730	,,	1002.6	995.3	..	29.5	27.3	26.4	34.4	81	..	3.3	..	4.3	0	0	28	1	1	14	3	1	1	5	2	2	0
Forbesganj	0830	61	1006.5	999.6	..	27.9	25.4	24.3	30.4	84	..	5.1	..	4.3	0	0	28	0	0	21	2	0	0	5	0	2	0
	1730	,,	1002.9	996.0	..	29.3	26.1	24.7	31.1	77	..	3.6	..	2.6	0	0	26	0	1	12	3	0	1	7	2	4	0
Darbhanga	0830	49	1007.2	1001.7	+1.4	28.8	26.1	24.9	31.5	80	+3	3.8	−0.9	4.5	0	0	29	1	4	17	1	0	2	3	1	1	0
	1730	,,	1003.8	998.3	..	29.7	26.6	25.5	32.2	78	..	3.4	..	2.8	0	0	23	0	7	8	2	1	0	5	0	7	1
Chapra	0830	58	1005.7	999.2	..	28.4	25.9	24.9	31.5	81	..	4.2	..	3.3	0	0	29	2	11	1	3	0	11	0	1	1	0
	1730	,,	1002.9	996.4	..	29.8	26.3	24.9	31.5	76	..	3.5	..	2.8	0	0	26	0	13	1	4	0	7	0	1	4	0
Purnea	0830	38	1006.2	1002.0	0	27.7	25.8	24.9	31.5	85	0	4.5	−0.2	0.9	0	0	11	0	0	9	0	0	1	1	0	19	0
	1730	,,	1003.0	998.7	..	28.9	26.5	25.5	32.6	82	..	4.1	..	0.3	0	0	2	0	0	2	0	0	0	0	0	28	0
Patna	0830	53	1005.6	999.6	−0.1	28.1	25.6	24.5	30.7	81	+2	4.3	−0.6	9.0	0	2	27	1	8	8	1	2	3	4	2	1	0
	1730	,,	1002.4	996.5	..	29.7	26.0	24.5	30.7	75	..	4.4	..	7.3	0	0	29	0	11	5	2	2	2	7	0	1	0
Patna Aerodrome	0530	60	1003.7	996.9	..	25.7	24.9	24.5	30.7	93	..	4.3	..	6.5	0	2	19	0	4	11	1	1	1	3	0	9	0
	0830	,,	1005.3	998.6	..	28.3	25.7	24.6	30.9	81	..	4.7	..	11.6	0	5	22	3	3	6	5	0	2	7	1	3	0
	1130	,,	1004.9	998.2	..	30.3	26.3	24.6	30.9	72	..	5.1	..	10.1	0	2	27	1	4	5	6	1	4	4	4	1	0
	1430	,,	1002.4	995.7	..	30.9	26.1	24.0	29.8	68	..	4.8	..	10.8	0	3	26	1	8	5	4	1	3	4	3	1	0
	1730	,,	1002.1	995.3	..	29.3	25.8	24.3	30.4	75	..	4.0	..	7.3	0	2	20	1	3	7	2	1	5	3	0	8	0
	2030	,,	1004.1	997.3	..	27.9	25.7	24.7	31.1	86	..	3.3	..	5.5	0	1	17	1	1	9	2	0	4	0	1	12	0
	2330	,,	1004.3	997.5	..	26.9	25.5	24.9	31.5	89	..	3.5	..	5.5	0	0	19	0	5	7	3	0	2	1	1	11	0
Bhagalpur	0530	49	1005.0	999.5	..	25.9	25.0	24.6	30.9	92	..	6.1	..	4.2	0	0	21	0	1	4	9	1	4	1	1	9	0
	0830	,,	1006.6	1001.1	+1.1	28.9	26.1	24.9	31.5	80	−2	6.0	+0.5	5.9	0	1	27	1	1	5	12	2	3	3	1	2	0
	1130	,,	1005.7	1000.2	..	30.9	26.9	25.2	32.1	72	..	6.0	..	6.1	0	0	29	0	4	6	10	0	1	5	3	1	0
	1730	,,	1003.2	997.7	..	29.2	26.3	25.1	31.9	79	..	6.0	..	5.1	0	0	28	1	1	4	9	2	4	5	2	2	0
	2330	,,	1005.5	999.9	..	26.9	25.6	25.1	31.9	90	..	4.5	..	4.8	0	1	24	0	1	3	11	3	5	1	1	5	0
Sabaur	0830	37	1006.2	1001.9	+0.9	28.7	26.4	25.5	32.6	83	0	5.8	+0.1	8.1	0	0	30	1	0	14	6	1	1	6	1	0	0
	1730	..	1002.7	998.5	..	29.7	26.8	25.7	33.0	79	..	5.3	..	5.7	0	0	24	1	2	12	1	1	0	4	3	6	0
Jamui	0830	82	1002.0	992.9	..	28.2	25.9	25.0	31.7	83	..	2.0	..	2.1	0	0	30	0	0	11	5	2	0	8	4	0	0
	1730	,,	998.0	989.1	..	29.2	26.6	25.5	32.6	81	..	2.0	..	2.0	0	0	28	3	1	8	1	1	1	9	4	2	0
Dehri	0830	107	1005.2	993.2	..	28.4	25.1	23.7	29.3	78		4.0	..	3.5	0	0	30	0	2	3	11	1	3	5	5	0	0
	1730	,,	1001.6	989.6	..	29.7	26.0	24.5	30.7	73	..	4.0	..	4.1	0	0	29	0	4	5	3	1	1	10	5	1	0
Gaya	0230	116	1003.8	990.7	..	25.7	24.9	24.5	30.7	95	..	3.0	..	5.7	0	2	19	3	4	3	2	6	2	1	0	9	0
	0530	,,	1004.1	991.0	..	25.0	24.5	24.3	30.4	96	..	3.7	..	7.1	0	2	24	0	6	4	2	8	8	1	1	4	0
	0830	,,	1005.6	992.6	+0.4	27.9	25.4	24.3	30.4	81	+6	3.6	−0.1	11.3	0	6	21	2	1	9	2	2	8	2	1	3	0
	1130	,,	1005.3	992.3	..	30.3	25.8	23.9	29.7	69	..	4.5	..	13.1	0	7	22	3	6	5	2	0	4	4	5	1	0
	1430	,,	1002.7	989.9	..	30.9	25.7	23.4	28.8	66	..	4.5	..	13.4	0	7	22	6	7	4	1	0	2	6	3	1	0
	1730	,,	1002.3	989.4	..	30.0	25.8	24.0	29.8	72	..	3.8	..	9.5	0	4	24	5	8	3	1	0	2	4	5	2	0
	2030	,,	1004.3	991.3	..	27.3	25.6	24.9	31.5	87	..	3.2	..	7.8	0	3	22	3	4	6	2	4	2	3	1	5	0
	2330	,,	1004.9	991.8	..	26.3	25.3	24.9	31.5	92	..	3.2	..	6.6	0	2	21	1	3	4	4	5	4	1	1	7	0
Uttar Pradesh (East)																											
Kheri	0830	147	1004.6	988.1	−0.4	26.3	24.8	24.1	30.0	88	+4	2.3	−1.2	2.2	0	0	22	0	1	16	0	0	0	5	0	8	0
	1730	,,	1001.5	985.2	..	31.0	26.3	24.3	30.4	68	..	2.2	..	1.3	0	0	18	0	0	7	1	0	0	10	0	12	0
Bahraich	0830	124	1005.5	991.6	+0.4	28.0	25.3	24.3	30.0	80	+2	3.2	+0.4	7.6	0	2	24	0	0	18	0	0	0	7	1	4	0
	1730	,,	1002.2	988.4	..	30.6	26.0	23.9	29.8	69	..	3.7	..	4.9	0	1	16	0	1	4	3	0	2	4	3	13	0
Nautanwa	0830	99	1004.3	993.3	..	27.9	25.4	24.4	30.5	82	..	4.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1001.5	990.4	..	30.0	26.3	24.7	31.1	74	..	2.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hardoi	0830	142	1005.5	989.6	−0.1	27.9	25.2	23.8	29.4	78	−4	2.4	−0.9	2.6	0	0	26	8	0	3	5	0	0	6	4	4	0
	1730	,,	1002.2	986.4	..	31.5	26.2	24.1	30.0	68	..	2.2	..	2.3	0	0	23	4	0	2	4	1	2	8	2	7	0
Gonda	0830	110	1005.7	993.4	..	28.3	25.6	24.8	31.3	80	−1	2.6	−1.6	2.9	0	0	24	0	0	13	0	0	0	2	9	6	0
	1730	,,	1002.2	990.0	..	30.1	26.2	24.6	30.9	73	..	2.0	..	0.9	0	0	9	1	0	5	0	0	0	2	1	21	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (km. p. h.): 62 or more	Wind speed (km. p. h.): 20 to 61	Wind speed (km. p. h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Varible
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Uttar Pradesh East —(*Contd.*)																											
Lucknow	0830	111	1004.0	991·8	−0·8	28·1	24·7	23·0	28·1	74	−5	1·9	−1·7	1.2	0	0	16	0	0	10	0	0	0	6	0	14	0
	1730	,,	1002.0	989·8	..	31·6	25 3	22·3	26·9	60	..	2·3	..	0·8	0	0	12	0	0	5	0	1	0	6	0	18	0
Lucknow (Amausi)	0230	128	1003.2	988·8	..	25·0	24·0	23·5	28·9	92	..	1·6	..	5·5	0	1	20	1	3	4	4	0	3	6	0	9	0
	0530	,,	1003·3	988·9	..	24·4	23.6	23·2	28·4	93	..	2·0	..	6·3	0	2	21	0	4	4	2	0	8	4	1	7	0
	0830	,,	1005·0	990·7	−0·1	27·8	24·8	23·3	28·6	77	+2	2.3	−1·3	12·1	0	9	21	2	2	5	4	2	3	8	4	0	0
	1130	,,	1004·9	990·7	..	31.2	25·5	22.8	27.8	63	..	3·1	..	12.8	0	1	29	1	7	6	3	0	1	8	4	0	0
	1430	,,	1002.4	988.3	..	32.0	25.4	22.1	26.6	58	..	3·6	..	12.8	0	5	25	4	3	6	2	1	5	9	0	0	0
	1730	,,	1001·9	987·7	..	30·7	25·3	22·6	27.4	63	..	2·3	..	7.4	0	0	28	6	3	5	1	2	1	6	4	2	0
	2030	,,	1003.7	989·4	..	26·9	24·8	23·8	29.5	84	..	2·0	..	5·7	0	1	20	3	5	2	1	3	0	4	3	9	0
	2330	,,	1004·2	989·9	..	25·7	24·3	23·6	29·1	89	..	1·7	..	5·6	0	0	24	1	8	3	3	0	3	6	0	6	0
Faizabad	0830	102	1004·9	993·5	..	28·1	25·7	24·7	31·1	82	..	3·5	..	3·7	0	0	25	0	2	5	6	1	2	7	2	5	0
	1730	,,	1002·0	990·7	..	30·0	26·4	24·9	31·5	75	..	3·0	..	3.3	0	1	15	0	2	4	3	1	3	3	0	14	0
Gorakhpur	0830	77	1004·7	996·3	−0.5	28·3	25.5	24·3	30·4	79	−2	4·0	+0·6	2.7	0	0	26	2	0	13	1	0	5	4	1	4	0
	1730	,,	1002·5	993·7	..	31·0	26·6	24 0	29·8	68	..	3·4	..	2.3	0	0	25	0	1	8	3	1	6	4	2	5	0
Gorakhpur (P.B.O.)	0230	78	1003·6	994·8	..	26 6	25·4	24·9	31·5	91	..	3·3	..	6.2	0	0	23	4	5	2	3	1	4	2	2	7	0
	0530	,,	1004·1	995.2	..	26·2	25·0	24.7	31·1	91	..	3·8	..	5·2	0	0	24	4	4	4	3	0	3	4	2	6	0
	1130	,,	1005·9	996·8	..	29·5	26·1	25·0	33·8	77	..	4·8	..	7.9	0	0	29	1	2	8	6	4	2	5	1	1	0
	1430	,,	1003·0	994·3	..	30·2	26·2	24·8	31·3	74	..	4·5	..	8.3	0	1	29	4	4	6	3	3	3	5	2	0	0
	2030	,,	1004·0	995.3	..	28·3	26·1	25·3	32·2	84	..	2·8	..	5·0	0	1	22	1	5	4	2	3	4	3	1	7	0
	2330	,,	1004·5	995·7	..	27·4	25·8	25·1	31·8	87	..	2·7	..	4·2	0	0	21	3	5	2	1	1	3	3	3	9	0
Kanpur	0830	126	1004·6	990.4	−0·6	27·0	24·6	23·4	28·8	82	0	2·7	+0·1	8·4	0	0	29	2	0	10	0	1	3	13	0	1	0
	1730	,,	1001·6	987·6	..	32·0	25·3	22·1	32·6	58	..	2·5	..	7·3	0	0	29	11	1	7	0	0	1	9	0	1	0
Kanpur (Aerodrome)	0530	126	1003·6	989·2	..	24·7	23·6	23 1	28·3	91	..	2·1	..	8·3	0	1	26	1	5	3	2	2	6	7	1	3	0
	0830	,,	1005·2	991·1	..	28·1	24·9	23·2	31·5	76	..	2·7	..	12·4	0	1	28	1	3	6	2	2	4	8	2	1	1
	1130	,,	1005·1	991·2	..	32·0	25 4	22·1	26·6	57	..	2·3	..	14·2	0	3	26	2	5	3	3	0	4	8	3	1	1
	1730	,,	1002·1	988·2	..	31·6	25·8	21·5	25·6	58	..	2·5	..	11·8	0	0	30	7	5	5	1	0	0	6	6	0	0
	2330	,,	1004·2	990 2	..	26·5	24·5	23·5	28·9	64	..	1·8	..	7·8	0	0	25	3	1	5	4	0	5	5	1	5	0
Sultanpur	0830	97	1006.0	995·2	..	28·7	25·5	24·2	30 2	77	..	2·2	..	1·7	0	0	17	0	1	5	1	1	2	5	2	13	0
	1730	,,	1001·9	991·8	..	31·4	26·2	24·1	30·0	67	..	2·6	..	1·9	0	0	20	0	3	6	3	0	2	4	2	10	0
Azamgarh	0830	78	1005·5	996.7	..	27·7	26·0	25·4	32·4	87	..	3·3	..	7·7	0	2	27	3	1	12	0	0	0	13	0	1	0
	1730	,,	1002.2	993·5	..	30·3	27·4	26·2	34·0	80	..	2·6	..	4.3	0	0	25	8	3	2	1	1	1	9	0	5	0
Fatehpur	0830	114	1005.4	992.6	..	28.0	25·2	23.9	29.6	79	−2	2.8	−0·9	7.4	0	1	27	0	5	4	2	0	4	11	2	2	0
	1730	,,	1002.2	989.5		30.9	25.7	23.2	28.4	66	..	2.3	..	5.2	0	0	28	1	4	5	1	1	1	8	7	2	0
Ballia	0830	64	1005·9	998·7	..	28·3	26.1	25·2	32.1	83	..	4 7	..	3·2	0	0	27	0	6	9	4	0	2	6	0	3	0
	1730	,,	1003·1	995·9	..	30·2	26·4	24·9	31·5	72	..	4·5	..	0·6	0	0	8	0	2	5	0	0	0	1	0	22	0
Banda	0830	121	1005·8	992·1	..	28·9	25·0	23·6	29·1	74	..	2·7	..	0·9	0	0	10	0	0	0	2	1	6	0	1	20	0
	1730	,,	1002·4	989·4	..	31·4	25·7	23·4	28·8	64	..	1·9	..	0·4	0	0	3	0	1	0	0	0	2	0	0	27	0
Allahabad (Bamhrauli)	2030	98	1003.5	992·4	..	25·9	24·3	23·6	29·1	88	..	2·4	..	2·4	0	0	11	2	3	1	1	0	2	2	0	19	1
	0530	,,	1003·6	992·5	..	25·1	23·9	23·4	28 8	90	..	2·8	..	2.9	0	0	16	3	5	1	1	3	2	1	0	14	0
	0830	,,	1005·3	994·4	+0.1	28·0	25·0	23.6	29·1	78	−1	3·0	−1·5	4.7	0	0	26	1	4	2	4	0	7	7	1	4	0
	1130	,,	1005·2	994·3	..	31.5	25.8	23.1	28.3	63	..	3.4	..	6·5	0	1	29	3	7	3	1	0	2	12	2	0	..
	1430	,,	1003·0	992·1	..	32·4	25.7	22.5	27.3	59	..	3.9	..	6·5	0	1	29	6	4	1	2	0	2	8	7	0	..
	1730	,,	1002·2	991·3	..	31.0	25.7	23.3	28.6	65	..	2.9	..	3·9	0	0	26	5	3	3	0	0	2	6	7	4	0
	2030	,,	1003·9	992.9	..	28.0	25.0	23.6	29.1	78	..	2.4	..	2.7	0	1	15	3	1	5	0	1	3	2	1	14	0
	2330	,,	1004·5	993·4	..	26.6	24.5	23.7	29.3	84	..	2.1	..	2.1	0	0	15	1	3	3	1	3	4	0	0	15	0
Varanasi (Babatpur)	0530	85	1004.8	995·0	..	25·5	24·4	23·8	29.5	91	..	3.8	..	5.9	0	0	20	1	4	5	2	3	3	2	0	10	0
	0830	,,	1006·5	996·8	+1·3	27·9	25·6	24.6	30·9	83	0	3·6	−1·4	10.6	0	0	29	0	5	6	2	3	4	9	0	1	0
	1130	,,	1006 0	996·6	..	30·7	26·1	24.1	30·0	69	..	3·8	..	11·9	0	3	24	2	3	6	2	1	3	10	0	3	0
	1730	,,	1003·1	993·5	..	30·2	26·2	24·5	30·7	72	..	3·5	..	9·4	0	1	27	3	8	4	2	1	4	5	1	2	0
	2330	,,	1005·5	995·7	..	27·2	25·3	24.5	30·7	85	..	2·7	..	4·9	0	0	15	1	2	6	0	1	1	3	1	15	0
Varanasi	0830	76	1005·3	996·7	0	27.6	25.5	24.9	31.5	85	+5	3·6	−0·6	2 8	0	0	28	0	5	2	3	3	4	4	4	2	0
	1730	,,	1001·6	993·0	..	30.7	27.0	25.5	32.6	75	..	3·4	..	2·2	0	0	26	2	2	4	1	1	7	10	2	4	0
Uttar Pradesh West																											
Mukhim	0830	..	..	..	..	18·6	15.9	11·3	16·3	77	..	3·4		..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	18·3	15·5	13·8	15·8	76	..	4·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tehri	0830	..	..	..	..	23·2	20·4	18·9	21·8	78	..	2·6	..	0 9	0	0	14	3	5	5	0	0	0	1	0	16	0
	1130	..	..	..	..	28·6	22·2	18·9	21·8	57	..	2·4	..	2·3	0	0	26	3	7	6	3	4	3	0	0	4	0
	1730	..	..	..	..	29·1	22·1	18.6	21·4	51	..	3·0	..	2·3	0	0	27	1	0	0	7	7	8	0	3	3	1

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed in km. per hour	Wind speed (km. p. h.): 62 or more	20 to 61	1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Uttar Pradesh West —(*Contd.*)																											
Dehra Dun	0530	682	1004·9	921·9	..	21·7	19·6	18.4	21·1	82	..	3·1	..	0·6	0	0	7	4	3	0	0	0	0	0	0	23	0
	0830	,,	1005·0	930·5	0	25·2	21·7	19·7	22·9	72	—8	3·0	0·8	0.5	0	0	7	1	0	1	1	1	0	1	2	23	0
	1130	,,	1005·1	931·3	..	28·3	22·7	20·1	23·0	62	..	3·6	..	2·0	0	0	24	0	0	2	7	8	5	2	0	6	0
	1730	,,	1002·0	928·3	..	28·1	23·2	20·9	24·3	66	..	3.5	..	0·8	0	0	12	5	0	0	1	1	0	4	1	18	0
	2330	,,	1004·7	992·8	..	23·4	20·9	19·4	22·5	79	..	2·6	..	1.6	0	0	20	6	14	0	0	0	0	0		10	0
Mansiary	0830	..	..	..	...	17·5	15.3	14·0	16·0	80	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	17·2	16.2	15·6	17.7	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Roorkee	0830	274	1005·6	974·9	+0·2	26·5	23·4	21·8	26.1	76	—3	2·4	—0·5	2·5	0	0	8	0	0	0	2	0	0	0	6	22	0
	1730	,,	1002·4	972·3	..	31·2	24 7	21·5	25·6	58	..	2·5	..	0·3	0	0	6	0	0	0	2	0	0	0	4	24	0
Najibabad	0830	270	1006·3	975·9	..	27·0	23·9	22.3	26·9	75	..	2·4	..	2.4	0	0	24	1	2	12	2	1	0	2	4	6	0
	1730	,,	1002·9	973·3	..	31·2	25.2	22·3	26·9	60	..	2·7	..	2·7	0	0	20	2	0	1	0	0	1	9	7	10	0
Meerut	0830	222	1006 4	981.5	+1.1	28·0	23·5	21·1	25.0	67	—9	0·8	—1·6	3·2	0	0	20	0	3	4	0	0	0	9	4	10	0
Bareilly	0830	173	1004·8	986·8	+0 1	27·7	25·2	24·0	29·8	81	+1	2·2	—1·1	7·0	0	0	28	2	1	9	4	0	1	8	3	2	0
	1730	,,	1002·0	982·9	..	30·9	26·2	24·1	30·0	69	..	2·8	..	3·0	0	0	28	5	2	4	1	0	5	10	1	2	0
Bareilly (P.B.O.)	0230	172	1003·4	984·0	..	26·1	24·4	23·4	28.8	84	..	2·0	..	3·3	0	0	23	2	2	6	3	0	0	10	0	7	0
	0530	,,	1003·8	984·4	..	25·8	23.9	23·1	28·3	85	..	2·5	..	3·4	0	0	24	3	0	13	1	0	1	5	1	6	0
	1130	,,	1005.2	986·0	..	30·7	25.2	23.1	28·3	63	..	3·0	..	6·0	0	0	28	2	0	6	6	0	1	12	1	2	0
	1430	,,	1002·6	983·6	..	32·6	25.8	23·2	28·4	59	..	2·8	..	5·3	0	0	30	2	1	5	1	2	1	15	3	0	0
	2030	,,	1003·7	984·5	..	28·7	25.0	23·5	28·9	75	..	2·2	..	2·5	0	0	21	2	0	3	1	0	1	13	1	9	0
	2330	,,	1004·1	984·7	..	27·4	24·6	23·5	28·9	80	..	2·3	..	3·0	0	0	24	1	3	3	3	1	0	12	1	6	0
Aligarh	0830	187	1005·6	984·1	..	27·3	23·5	21·2	25·8	71	0	2·1	—0·5	4·4	0	0	29	1	3	4	2	0	2	14	3	1	0
	1730	,,	1002·6	981·5	..	32.3	24.4	20·1	24·1	52	..	2·9	..	2.7	0	0	27	12	1	0	0	0	1	12	1	3	0
Manipuri	0830	157	1005.0	987·4	—0·1	27·8	24.3	22·6	27·4	74	—2	1·6	—1.8	2.1	0	0	14	0	0	3	1	1	4	5	0	16	0
	1730	,,	1002·1	984.8	..	31·6	25.5	22·6	27·4	61	..	3·5	..	1.8	0	0	11	0	0	2	1	0	3	4	1	19	0
Agra	0830	169	1005·6	986·7	+0·4	27·8	23.6	21·4	25·5	70	—5	1·9	—1·2	0·1	0	0	1	0	0	0	0	0	0	0	1	29	0
	1730	,,	1002·5	984·1	..	31·8	24·1	20·0	23·4	56	..	2·2	..	0·4	0	0	3	0	0	0	0	0	0	0	3	27	0
Agra(Aerodrome)	0530	169	1005·2	985·0	..	23·6	22·5	21·9	26·3	90	..	1·9	..	3·2	0	0	14	1	0	2	0	0	2	6	3	16	0
	0830	,,	1005·7	986·8	..	27·5	24.6	23·3	28·6	78	..	2·0	..	7·5	0	0	23	0	1	4	0	0	0	9	9	7	0
	1130	,,	1005·8	987·1	..	31·7	26·0	23·2	28·4	63	..	2·3	..	8·5	0	0	26	2	2	2	1	0	0	8	10	4	1
	1730	,,	1002·9	984·1	..	30·8	25·3	22·6	27·4	64	..	2·7	..	6·7	0	0	23	5	0	2	0	0	0	7	9	7	0
	2330	,,	1004·6	985·6	..	25·8	23·7	22·7	27·6	84	..	1·7	..	4·2	0	0	15	1	2	2	0	0	1	8	1	15	0
Orai	0830	141	1006 4	990.7	..	29·8	25·6	23.8	29·5	71	..	2.1	..	2·5	0	0	30	10	0	1	0	0	3	6	10	0	0
	1730	,,	1000·1	984·8	..	31·2	25·4	22·8	27·7	64	..	2·3	..	2·8	0	0	30	2	5	0	1	0	2	8	12	0	0
Jhansi	0830	251	1005·4	977·3	—0·4	27·0	23·2	21·4	25·5	72	—2	2·1	—0·8	1·7	0	0	18	2	0	5	0	1	0	9	1	12	0
	1730	,,	1001·8	974·3	..	31·9	24·5	20·6	24·3	55	..	2·9	..	2·5	0	0	27	10	0	7	0	2	0	6	2	3	0
Punjab (Including Delhi)																											
Pathankot	0530	312	1005·8	969·3	..	23·6	20·0	17·7	20·2	70	..	1·4	..	3·2	0	0	15	1	6	3	1	1	3	0	0	15	0
	0830	,,	1005·1	970·5	+0·4	28·0	21·3	17·2	19·6	53	—21	1·6	—1·9	5·4	0	0	24	1	7	11	3	2	0	0	0	6	0
	1130	,,	1005.2	971·0	..	31·7	23·1	18·3	21·0	46	..	1·6	..	8·0	0	0	29	1	2	4	2	11	6	2	0	1	1
	1730	,,	1002·1	968·2	..	32·7	22·6	16·7	19·0	40	..	2·1	..	7·3	0	0	29	5	2	0	0	3	1	11	7	1	0
	2330	,,	1004·3	969·5	..	26·0	21·0	18.1	20·8	63	+5	1·0	..	1·4	0	0	9	0	6	2	1	0	0	0	0	21	0
Bhuntar	0830	1096	1485.4	889·7	..	18.5	16·2	14·6	16·6	78	..	2·9	..	2·2	0	0	16	7	0	2	1	3	0	0	1	14	2
	1130	,,	1481·9	888.3	..	26·0	18·5	13·7	15·7	45	..	2·6	..	8·0	0	1	28	1	0	0	6	17	2	0	0	1	3
	1730	,,	1459·0	886·1	..	25·0	18·4	14·2	16·2	53	..	3·1	..	11·5	0	3	26	1	4	0	2	6	14	0	2	1	0
Amritsar (Rajasansi)	0530	234	1004·0	977·4	..	22·4	20.9	20·1	23·4	87	..	1·0	..	2·1	0	0	8	1	1	3	2	0	0	0	1	22	0
	0830	,,	1005.0	978·8	+0·5	27·3	22·9	20·6	24·3	67	—10	1·0	—1·0	1.8	0	0	10	0	0	4	4	2	0	0	0	20	0
	1130	,,	1005.1	979·4	..	33·4	24·2	19.3	22·4	44	..	0·7	..	4.3	0	0	18	0	0	5	2	1	4	3	3	12	0
	1430	,,	1003·1	977·6	..	35·4	24·3	18·2	20·9	37	..	1·1	..	7·3	0	1	23	1	1	3	2	2	3	7	5	6	0
	1730	,,	1002·0	976·4	..	33·9	24·2	39·1	22.1	42	..	0·8	..	6·4	0	1	22	0	1	2	2	3	0	5	10	7	0
	2030	,,	1003.4	977·3	..	27·7	23·2	20·9	24·7	67	..	0·4	..	2·4	0	0	9	0	2	1	2	1	0	1	2	21	0
Adampur (Aerodrome)	0830	249	1005·1	977·3	..	26·8	22·8	20·6	24·3	69	..	1.5	..	7·3	0	0	22	0	2	5	8	5	1	0	1	8	0
	1730	,,	1002·4	975·2	..	33·3	24·3	20·0	23·4	50	..	1·4	..	12·3	0	0	30	4	1	1	1	0	3	8	12	0	0
Ludhiana	0830	247	1006·7	979·1	+1·6	27·2	22·7	20·2	23·6	66	—6	1.0	—0·8	2·0	0	0	24	2	4	2	6	0	3	5	2	6	0
	1730	,,	1002·1	975·2	..	34·4	24·4	19·3	22·3	42	..	1·0	..	4.3	0	0	29	1	3	1	0	0	2	9	13	1	0
Ferozepur	0830	200	1005·4	982·9	..	27·2	22·2	19·4	22·5	63	..	0·7	..	1.0	0	0	16	1	2	1	2	5	3	0	2	14	0
	1730	,,	1002·1	980·3	..	35·2	24·0	17·8	20·3	36	..	0.5	..	1.8	0	0	25	2	4	1	6	3	3	0	6	5	0
Halwara (Aerodrome)	0830	242	1005·3	978·3	..	26·8	22.3	19·9	23·2	66	..	1·3	..	6.5	0	0	22	2	0	2	2	0	4	8	3	8	1
	1730	,,	1002.6	975·9	..	33·4	24.0	19·1	22·1	45	..	1·3	..	7·0	0	0	30	6	2	2	0	0	0	3	17	0	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km.p.h.): 62 or more	Wind speed (km.p.h.): 20 to 61	Wind speed (km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Punjab (India) (Including Delhi)—*(Contd.)*																											
Chandigarh	0830	347	1004.5	965.5	−0·2	26·3	21.7	19.2	22·2	67	−6	1.5	−1·2	2.5	0	0	15	0	0	0	2	0	0	0	13	15	0
	1730	,,	1001.4	963.3	..	31.9	23.1	18.4	21.1	48	..	1.6	..	(b) 1.2	0	0	14	0	0	0	9	0	0	0	5	15	0
Ambala	0830	272	1004.7	974.4	−0·3	27.1	23.1	21.2	25.2	69	−5	1.0	−1·5	0.2	0	0	2	0	0	0	2	0	0	0	0	28	0
	1730	,,	1001·0	971.3	..	32.6	26·2	23·2	28·4	58	..	0·8	..	1·9	0	0	18	0	2	0	11	0	0	0	5	12	0
Ambala (P.B.O.)	0230	278	1003·3	972·2	..	25.5	23·3	20·6	24·3	74	..	2·7	..	(k) 1·9	0	0	6	0	0	1	2	0	0	2	1	14	0
	0530	,,	1003.7	972.5	..	25·2	22·7	21·6	25·8	81	..	2.0	..	(c) 3·0	0	0	16	2	0	2	4	1	1	2	4	12	0
	1130	,,	1005·0	974·5	..	31·7	25·9	23·8	29·5	64	..	1·8	..	5·8	0	0	22	1	1	1	7	1	0	4	7	8	0
	1430	,,	1002·9	972.6	..	38·3	26·0	23·3	28·6	57	..	2·2	..	7·9	0	1	22	3	0	0	0	0	0	11	9	7	0
	2030	,,	1003.4	972.3	..	25·1	23·7	23·0	28·1	88	..	(j) 2·3	..	(j) 2·7	0	0	9	0	0	0	1	0	0	1	7	12	0
	2330	,,	1003·6	972.8	..	27·5	24·2	22·6	27.4	74	..	(j) 2·5	..	(j) 3·3	0	0	10	1	0	0	3	0	0	1	5	11	0
Ambala (Aerodrome)	0530	274	1003·8	972·8	..	22.5	21·2	20·4	24·0	88	..	1·6	..	5·5	0	0	15	..	0	3	3	2	3	2	1	15	0
	830	,,	1005·4	974.4	..	26.8	23·1	21·3	25.3	73	..	2·0	..	9·3	0	1	22	0	1	4	8	0	1	3	6	7	0
	1130	,,	1004.9	974.8	..	31.7	24·7	21·1	25·0	55	..	1·8	..	3·7	0	0	30	1	1	6	5	1	0	4	8	0	4
	1730	,,	1001·6	971.6	..	31.9	23·4	19·1	22·1	49	..	1.7	..	12.9	0	0	27	0	1	0	0	0	0	10	16	3	0
	2330	,,	1003 9	973·0	..	24.2	22·1	21·0	24.9	82	..	1.4	..	1.7	0	0	6	0	0	1	0	0	0	0	3	24	0
Patiala	0830	251	1005.7	977·9	..	27.8	23·4	21.1	25·0	67	..	1·7	..	5.8	0	0	16	3	0	0	2	0	0	0	7	14	0
	1730	,,	1002·2	974·8	..	32·9	24·8	20.7	24.4	50	..	1·7	..	6.4	0	0	25	0	0	0	6	0	0	0	24	5	0
Bhatinda	0830	211	1005·3	981·7	..	30.2	24·9	22.4	27.1	63	..	0·5	..	2.3	0	0	20	0	0	0	5	1	7	0	7	10	0
	1730	,,	1001·4	978·4	..	34.7	26·9	23·6	29.1	53	..	0·9	..	1·5	0	0	18	0	4	0	1	0	1	0	12	12	0
Karnal (R)	0830	249																									
(R)	1730	,,																									
Hissar	0530	221	1003·9	979·0	..	23·4	21·0	20·4	23·9	81	..	1·4	..	3·6	0	0	22	2	1	1	0	2	16	0	0	8	0
	0830	,,	1005·8	981·2	+0·9	26·9	23·4	21·4	25.5	72	+7	1·3	−0·3	4·1	0	0	22	0	0	2	0	0	9	10	1	8	0
	1130	,,	1005·4	981·2	..	33·3	26·0	22·7	27·6	55	..	1·6	..	7·9	0	0	25	3	0	2	0	2	3	14	1	5	0
	1730	,,	1002·2	978·2	..	34·1	26·1	22·0	26·4	51	..	2·4	..	4·5	0	0	26	4	1	3	1	0	3	8	6	4	0
	2330	,,	1004·2	979·5	..	27·1	23·0	20·9	24.7	70	..	2·0	..	2·6	0	0	18	0	1	1	0	6	7	3	0	1	0
New Delhi (Safdarjung)	0230	216	1003·7	979·4	..	25·9	22·6	20·8	24·6	74	..	1·9	..	8·2	0	1	26	0	1	0	1	3	8	11	3	3	0
	0530	,,	1004·1	979·7	..	24·7	21·7	19·9	23·2	75	..	1·8	..	10·0	0	4	25	3	1	0	0	0	4	14	7	1	0
	0830	,,	1005·6	981·3	+0·3	26·9	22·3	19·7	23·1	66	−8	2·3	−1·0	15·5	0	11	19	2	1	2	2	0	1	8	14	0	0
	1130	,,	1005·6	981·8	..	31·5	23·9	19·8	23·1	52	..	2·3	..	15·8	0	11	19	1	0	1	0	1	1	8	18	0	0
	1430	,,	1003·3	979·6	..	33·1	24·0	19·0	22·0	47	..	2·8	..	15·7	0	1	29	4	0	2	0	0	0	2	22	0	0
	1730	,,	1002·4	978·5	..	32·6	24·0	19·4	22·5	49	..	2·3	..	9·5	0	1	29	2	2	1	0	0	2	5	18	0	0
	2030	,,	1003·6	979·6	..	28·9	23·8	21·2	25·2	65	..	2·4	..	6·9	0	0	29	2	5	2	1	1	9	8	1	1	0
	2330	,,	1004·3	980·1	..	27·0	23.0	20·9	24·7	70	..	2·1	..	6·6	0	1	27	3	1	0	1	3	12	4	4	2	0
Palam (Aerodrome) *	0230	233																									
*	0530	,,																									
	0830	,,	1006·1	980·0	..	26·4	22·9	21.2	25·2	74	..	2·1	..	9·7	0	1	26	1	2	1	1	1	3	16	2	3	0
	1130	,,	1006·0	980·4	..	31·1	21·6	21·3	25·3	57	..	1·8	..	13·4	0	7	21	0	1	2	1	0	1	12	11	2	0
	1430	,,	1003·7	978·2	..	33·1	24·6	20·6	23·5	50	..	2·6	..	12·4	0	5	25	4	2	1	0	0	1	4	18	0	0
	1730	,,	1002·8	977·2	..	32·1	24·6	20·7	24·4	55	..	2·6	..	10·0	0	2	28	4	2	1	0	0	4	8	11	0	0
*	2030																										
*	2330																										
Himachal Pradesh																											
Mandi	0830	761	1006.7	922·5	+0·7	20·8	18·9	17·3	19·7	83	−3	2·3	−1·8	0·1	0	0	1	0	0	0	0	0	1	0	0	29	0
	1730	,,	1001·7	920·1	..	28·2	22·1	19·0	22.0	62	..	3·9	..	0·3	0	0	4	0	0	0	0	1	1	0	2	26	0
Bilaspur	0830	587	1005·7	940·5	..	22·1	20·8	20·2	23·7	89	..	0·4	..	0·6	0	0	8	0	0	5	1	1	0	1	0	22	0
	1730	,,	1001·8	938·3	..	30·1	22·1	17·9	20·5	50	..	2·4	..	1·9	0	0	18	3	3	0	0	4	0	6	2	12	0
Jammu and Kashmir																											
Misgar (R)	0830																										
(R)	1730																										
Gilgit (R)	0830																										
(R)	1730																										
Skardu (R)	0830																										
(R)	1730																										
Leh (R)	0530	3514																									
(R)	0830	,,																									
(R)	1730	,,																									
Srinagar	0830	1587	1492·6	840·7	+0·8	14·5	12·3	10·9	13·2	79	−6	1·1	−2	0·9	0	0	10	0	2	1	6	0	0	2	1	20	0
	1130	,,	1483·6	840·2	..	22·9	15·9	10·9	13·0	47	..	1.7	..	1·9	0	0	15	0	5	0	1	2	1	0	6	15	0
	1430	,,	1465·7	838·3	..	26·2	16·7	10·6	12·8	38	..	2·6	..	1·6	0	0	18	0	1	0	1	0	2	2	12	12	0

(R) Register not received. (j) Mean of 21 days. (b) Mean of 29 days. (c) Mean of 28 days. (k) Mean of 20 days.

*Data available for less than 15 days hence no means published.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km.p.h.): 62 or more	Wind speed (km.p.h.): 20 to 61	Wind speed (km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Jammu and Kashmir—(*Contd.*)																											
Srinagar . .	1730	1587	1457·7	837·6	+0·8	23·7	15·5	10·4	12·6	45	−6	2·5	−1·2	1·8	0	0	13	1	1	0	1	0	0	1	9	17	0
(R)	2030	,,																									
Srinagar (Aerodrome)	0530	1666	1461·7	830·0	..	12·6	9·9	7·6	10.4	72	..	1·3	..	1·1	0	0	6	0	0	1	0	1	2	2	0	24	0
	0830	,,	1470·1	831·1	..	16·4	11·9	8·5	11·1	60	..	1·8	..	2·7	0	0	14	1	2	4	6	0	0	0	2	16	0
	1130	,,	1464·7	831·0	..	22·5	14·6	8.9	11·4	43	..	2·1	..	4·6	0	0	28	6	8	7	1	2	0	0	4	2	0
	1730	,,	1439.7	828·3	..	24·7	14·7	7·0	10·0	35	.	3·4	..	6·7	0	1	21	4	1	1	0	2	1	1	12	8	0
	2330	,,	1459·3	830·1	..	15·9	12·2	9·3	11·7	64	..	1·4	..	2 2	0	1	5	0	0	0	0	1	2	1	2	24	0
Gulmarg . .	0830	2655	3109·8	739·6	−0·3	10·4	7·2	3·8	8·0	66	−14	2·3	+0·1	1·6	0	0	12	1	5	2	1	0	1	0	2	18	0
	1730	,,	3105·3	738·7	..	14·5	10·1	6·3	9·5	60	..	4·2	..	7·5	0	1	27	2	5	0	1	6	6	8	0	2	0
Qazigund . .	0530	1690	..	..	..	15·9	12·6	10·3	12·5	70	..	2·2	..	0·5	0	0	5	0	0	2	2	0	1	0	0	25	0
	1730	,,	..	..	..	22·9	15·4	10·5	12·7	46	..	4·2	..	4.0	0	0	19	0	1	2	3	2	7	2	2	11	0
Banihal . . .	0830	,,	..	..	..	15·2	13·3	12·0	14·0	82	..	2·2	..	1·5	0	0	4	0	0	0	0	0	0	0	4	26	0
	1730	,,	..	..	..	24·2	16·8	12·2	14·2	49	..	4·9	..	9·9	0	0	29	0	0	0	0	0	0	0	29	1	0
Jammu . . .	0830	367	..	..	..	26·2	22·9	20·5	24·1	73	+5	1·5	−0·3	5·2	0	0	28	6	12	1	0	0	0	0	0	2	9
	1730	,,	..	..	..	31·5	27·4	25·1	33·0	67	..	0	..	4·9	0	0	26	1	0	6	0	0	0	1	0	4	24
Jammu (Aerodrome) . .	0530	292	1003·9	970·8	..	24·3	20·1	17·4	19·9	67	..	1·2	..	2·7	0	0	11	0	9	0	1	0	0	0	1	19	0
	0830	,,	1604·8	972·2	..	27·8	21·4	17·4	19·9	55	..	1·5	..	5·0	0	0	21	1	13	3	1	3	0	0	0	9	0
	1130	,,	1004·6	972·7	..	33·1	23·0	17·1	19·5	39	..	1·3	..	6·3	0	1	21	0	0	3	2	12	3	2	0	8	0
	1730	,,	1001·8	970·0	..	32·5	22·5	16·4	18·6	39	..	1·9	..	6·8	0	2	16	2	1	1	1	3	1	6	3	12	0
	2330	,,	1004·1	971·2	..	26·5	20·9	17·5	20·0	59	..	0·9	..	2·6	0	0	7	0	7	0	0	0	0	0	0	23	0
Rajasthan, West Ganganagar .	0530	177	1003·6	983·7	..	24·8	20·3	17·6	20·1	65	..	0·2	..	1·1	0	0	8	0	0	1	0	1	6	0	0	22	0
	0830	,,	1005·0	985·1	+0·3	27·5	21·7	18·1	20·8	58	−11	0·4	−1 0	3·5	0	0	24	0	0	2	4	2	16	0	0	6	0
	1130	,,	1004·8	985·5	..	34·6	23·5	17·2	19·6	36	..	0·6	..	3·3	0	0	19	0	1	0	1	1	8	6	2	11	0
	1730	,,	1001.5	982.3	..	36·9	23·6	15·8	17·9	29	..	0·8	..	2·1	0	0	19	1	0	4	0	0	6	7	1	11	0
	2330	,,	1003.6	983.9	..	27·7	21·6	18·0	20·6	56	..	0·1	..	0·2	0	0	3	0	0	0	1	1	1	0	0	27	0
Anupgarh . *	0830	154																									
	1730	,,																									
Mahajan . .	0830	187	1004·7	983·0	..	29·1	24·4	22·4	27·1	67	..	0·5	..	(d) 9.0	0	2	25	0	3	0	0	2	21	1	0	0	0
	1730	,,	1001·0	981·0	..	36·2	25·1	18·9	21·8	36	..	0·6	..	(f) 5·5	0	0	25	2	2	1	0	3	14	0	3	0	0
Churu . . .	0830	291	1006·3	973·8	..	26·8	21·2	17·7	20.2	59	..	1·3	..	12·1	0	6	22	1	0	1	1	0	5	19	1	2	2
	1730	,,	1002·3	970·7	..	35·0	22·8	13·1	15·8	30	..	2·7	..	3·3	0	3	27	4	3	2	0	0	2	12	7	0	0
Bikaner . . .	0830	224	1005·8	980·9	+0·7	27·4	21·8	18·6	21·4	59	−9	0·1	−1·4	9·1	0	0	30	0	0	1	0	4	18	5	2	0	0
	1730	,,	1001·8	977·6	..	37·2	22·8	13·7	15·7	27	..	0·4	..	8·5	0	0	30	0	2	0	0	2	13	4	9	0	0
Bikaner (P.B.O.) .	0530	224	1004·1	979·3	..	25·8	21·7	19·2	22·2	68	..	0·8	..	4 6	0	0	17	0	0	0	0	0	1	15	1	13	0
	1130	,,	1005·3	980·7	..	34·4	24·7	19·5	22·7	43	..	1·3	..	6·0	0	0	27	0	3	0	1	0	21	1	1	3	0
	2330	,,	1004·3	979·7	..	29·7	22·4	18·2	20·9	49	..	1·8	..	6·5	0	0	23	0	0	2	2	3	16	0	0	7	0
Nagaur . . .	0830	298	1006·6	973·6	..	29·9	42·0	20·9	24·7	22	..	1·1	..	7·5	0	0	30	2	3	0	0	5	11	7	2	0	0
	1730	,,	1002·5	970·1	..	34·3	25·4	21·1	25·0	47	..	2·9	..	7·1	0	0	30	1	2	1	1	9	11	4	1	0	0
Phalodi . . .	0830	234	1006 5	980·5	..	26·6	22·8	20·7	24·4	72	..	0·8	..	11·3	0	2	28	0	1	0	0	3	19	6	1	0	0
	1730	,,	1003·4	978·0	..	36·2	23·9	17·1	19·5	33	..	1·6	..	12·7	0	4	26	1	2	0	2	12	10	3	0	0	0
Jaisalmer . .	0830	242	1005·8	978·6	..	25·5	18·2	12·9	14 9	46	..	1·5	..	14·0	0	6	24	0	0	0	0	14	14	2	0	0	0
	1730	,,	1001·5	975·4	..	36·8	28·6	25·5	32·6	53	..	2·5	..	11·7	0	2	26	2	0	0	0	13	12	1	0	2	0
Jodhpur . . *	0230	224	1004·2	978·9	..	26·5	23·5	21·9	26·3	72	..	2·5	..	5·1	0	0	17	0	0	0	1	0	12	4	0	2	0
	0530	,,	1003·6	978·6	..	25·4	23·0	21·8	26·1	82	..	2·6	..	7·9	0	0	15	0	0	0	0	1	9	5	0	1	0
	0830	,,	1007·4	982·2	+2·5	25·8	22·9	21·4	25·5	74	+1	2·2	−1·0	11·3	0	2	28	1	3	0	0	0	0	15	11	0	0
	1130	,,	1007·2	982·5	..	31·2	25.0	22·0	26·4	59	..	2·1	..	14·4	0	0	30	0	2	1	0	1	15	9	2	0	0
	1430	,,	1004·7	980·2	..	34·4	25·5	21·2	25·2	47	..	2·4	..	14·3	0	4	26	0	1	1	2	1	12	10	3	0	0
	1730	,,	1003·6	979·4	..	33·9	25·2	20·8	24·6	47	..	2·5	..	12·1	0	4	26	1	0	1	2	1	18	6	1	0	0
†	2030	,,	1003·9	979·0	..	30·5	25·1	22·5	27·3	63	..	3·3	..	(d) 11·5	1	0	15	0	0	2	0	1	12	0	0	0	0
††	2330	,,	1005·3	980·4	..	29·7	24·2	21·5	25·6	64	..	2·1	..	5 1	0	0	20	0	0	0	0	1	17	2	0	3	0
Barmer . . .	0530	194	1004·7	982·8	..	25·4	22·7	21·4	25·5	79	..	0·7	..	7·6	0	0	27	0	0	0	0	0	9	15	3	3	0
	0830	,,	1006·6	984·7	+1·1	26·2	23·1	21·6	25·8	76	+5	1·0	−1·6	6·6	0	0	28	0	0	1	0	1	8	14	4	2	0
	1130	,,	1006·1	984·6	..	32·0	24·2	20·2	23·7	50	..	1·4	..	5·5	0	0	30	0	2	0	1	5	12	7	3	0	0
	1730	,,	1002·5	981·3	..	35·1	24·4	18·4	21·1	40	..	1·4	..	6·7	0	0	29	0	0	1	2	8	11	6	1	1	0
	2330	,,	1005·2	983·5	..	29·5	23·0	19·5	22·7	56	..	1·4	..	7·3	0	0	27	1	0	0	0	1	6	17	2	3	0
Erinpura (Jawai Dam)	0830	295	1008·1	975·0	..	26·2	22·6	20 7	24·4	72	..	2·5	..	3·9	0	0	24	0	1	0	1	10	9	3	0	6	0
	1730	,,	1004·6	972·2	..	30·5	23·9	20·4	24·0	56	..	3·0	..	2·8	0	0	21	0	0	0	1	2	6	10	2	9	0
Munabao** . .	8830	80																									
	1730	,,																									

(d) Mean of 27 days. (f) Mean of 29 days. (P) Observations for 19 days. (R) Register not received. (O) Mean of 16 days.
††Observations for 23 days. * Station did not function properly ** Observations close on 3-9-1965. † Observations except wind for 17 days.

Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level, or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km.p.h.): 62 or more	Wind speed (km.p.h.): 20 to 61	Wind speed (km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Rajasthan East																											
Pilani	0830	301	1006·6	973·0	..	26·3	21·8	19·1	22·1	66	..	1·4	..	15·2	0	8	22	0	1	0	1	3	10	13	2	0	0
	1730	"	1002·5	969·8	..	34.0	23·1	16·3	18·5	38	..	2·8	..	10·9	0	2	28	2	3	2	2	2	5	9	5	0	0
Sikar	0830	433	1005·7	958·1	..	26.1	21·5	18·8	21·7	65	..	0·8	..	0·4	0	0	5	0	0	0	0	0	0	4	1	25	0
	1730	"	1002·2	955·4	..	32·7	22·9	17.7	20 2	41	..	1·7	..	2·0	0	0	23	0	0	0	0	0	0	12	11	7	0
Alwar	0830	271	1004·6	974·4	..	27·7	23·3	20·8	24·6	68	..	2·1	..	1·2	0	0	15	2	1	0	0	0	1	6	4	15	1
	1730	,,	1002·3	972·6	..	32·1	25·0	21.5	25·6	56	..	2·7	..	3·3	0	0	4	1	2	6	0	0	1	0	0	26	0
Jaipur (Sanganer)	0230	390	1004·6	961·0	..	24·0	20·7	18·6	21.4	73	..	2·5	..	2·1	0	0	13	2	2	0	0	0	0	2	7	17	0
	0530	"	1005·0	961·3	..	23·2	20·3	21·5	21·3	76	..	2·6	..	3·7	0	0	17	3	0	0	1	0	0	1	12	13	0
	0830	,,	1006·1	962·8	−0·2	26·7	21·8	19·4	22·5	64	−8	2·4	−0·4	0.8	0	0	26	5	0	0	0	0	0	5	16	4	0
	1130	"	1005·5	963·0	..	31·5	23·0	18·2	20·9	47	..	2·4	..	12·7	0	5	24	3	2	1	0	1	0	5	17	1	0
	1430	,,	1003·1	960.7	..	33·3	22·8	16·5	18·8	39	..	3·3	..	10.3	0	2	26	8	2	0	0	0	0	7	11	2	0
	1730	,,	1002·4	960·0	..	32·0	22·3	16·0	18·2	43	..	3·6	..	6·4	0	0	25	5	1	1	1	0	0	4	13	5	0
	2030	,,	1004·3	961·2	..	27·6	21·5	17·8	20·4	57	..	2·7	..	3·3	0	1	14	2	2	1	0	1	1	5	3	15	0
	2330	,,	1005 2	961·7	..	25·4	21·0	18·2	20·9	65	..	2·5	..	2·0	0	0	11	1	1	0	0	0	0	3	6	19	0
Dholpur	0830	176	1005·0	985·7	..	27·5	23·8	21·8	26·1	72	..	2·2	..	1·0	0	0	10	1	0	0	0	0	1	7	1	20	0
	1730	,,	1002·0	982·7	..	31·0	24·8	21·8	26·1	60	..	2·6	..	1·0	0	0	8	0	0	0	0	1	1	1	5	22	0
Ajmer	0830	486	1006·8	953·1	+0·4	25·9	21·5	19·2	22·2	67	0	2·8	0	12·4	0	6	20	1	0	0	0	0	13	11	1	4	0
	1730	,,	1002·8	950·3	..	31·8	22·8	18.1	20·8	47	..	3·1	..	9·5	0	0	28	2	0	1	1	0	8	14	2	2	0
Tonk	0830	272	1005·6	975·2	..	26·2	22·6	20·8	24·6	72	..	2·5	..	6·0	0	0	30	1	0	0	1	0	3	14	11	0	0
	1730	,,	1001·5	971·8	..	33·1	25·1	20·0	24·6	51	..	3·2	..	6·0	0	0	30	1	1	1	0	0	3	21	3	0	0
Bhilwara	0830	425	1007·1	960·0	..	26·2	22·1	19·8	23.1	69	..	3·0	..	7·1	0	0	27	1	1	0	0	1	13	3	8	3	0
	1730	"	1004·0	957·6	..	31·6	23·4	18 2	20 9	48	..	4·0	..	7·7	0	2	25	2	2	2	0	1	9	3	8	3	0
Kota	0830	257	1006·3	977·7	+0·4	23·3	24·1	22 0	26·4	70	+1	2·2	−0.8	10·9	0	4	24	1	1	0	0	0	3	10	13	2	0
	1730	,,	1003·4	975·2	..	31·7	24·8	21·4	25·4	57	..	3·8	..	3·3	0	0	18	1	0	0	0	0	5	2	10	12	0
Kota (Aerodrome)	0530	274	1005·1	974·4	..	25·2	22·3	20·6	24.3	79	..	2·2	..	7·1	0	0	30	0	0	0	1	1	12	15	1	0	0
	0830	"	1006·7	976·2	..	27·7	22·9	20·7	24·4	66	..	2·3	..	8·9	0	0	29	0	0	1	1	0	5	13	9	1	0
	1130	"	1006·9	976·5	..	30·9	23·8	20·2	23·7	53	..	2·3	..	9·7	0	0	29	3	2	1	0	1	1	10	11	1	0
	1730	,,	1003·3	973·2	..	32·5	23·6	18·5	21·3	48	..	3·8	..	8·0	0	0	29	1	4	1	2	0	4	3	14	1	0
	2330	,,	1005·8	975·2	..	27·4	22·7	19·9	23·2	67	..	9·9	..	10·0	0	1	25	1	0	0	2	0	1	13	2	4	0
Chambal (Rawat Bhatta Dam)	0830	351	1005·3	966·2	..	26·6	23·2	21·5	25·6	75	..	1·9	..	2·3	0	1	17	1	0	0	0	0	5	1	11	12	0
	1730	"	1002·0	963·1	..	31·3	24·2	20·4	24·4	56	..	2·9	..	6·4	0	1	29	5	0	0	1	0	3	7	14	0	0
Udaipur	0230	582	1006 8	941·8	..	22·4	20·5	19·6	22·8	85	..	2·0	..	0·3	0	0	2	0	0	0	0	0	1	1	0	28	0
	0530	"	1006·9	942·0	..	21·6	19·9	19·1	22·1	86	..	1·6	..	0·3	0	0	2	0	0	0	0	0	2	0	0	28	0
	0830	"	1007·6	943·5	+0·6	25·3	21·3	19·3	22·4	70	−5	2·3	−0·6	1·0	0	0	7	0	0	0	0	0	2	3	2	23	0
	1130	,,	1006·9	943·8	..	29·5	22·5	19·2	22·2	53	..	2·5	..	2·9	0	0	14	0	0	0	0	1	5	2	6	16	0
	1730	,,	1004·6	941·4	..	23·8	22·7	19·2	22·2	57	..	3·9	..	4·2	0	0	22	0	1	0	1	0	9	6	5	8	0
	2330	,,	1007·6	943·0	..	23·4	20·9	19·6	22·8	79	..	2.0	..	0.8	0	0	5	1	0	0	0	0	0	3	1	25	0
Jhalawar	0830	321	1006·4	970·5	+0·6	26·1	22·8	21·1	25·9	74	−7	2·7	−1·1	2·8	0	0	20	1	0	1	0	0	7	8	3	10	0
	1730	,,	1003·2	968 1	..	31·2	23·4	19·1	22·1	53	..	2·9	..	3·8	0	0	28	4	4	2	0	0	4	9	5	2	0
Banswara	0830	220	1008·3	983·5	..	25·9	23·0	21·7	25·9	79	..	2·9	..	5·0	0	0	29	0	1	0	1	5	14	6	2	1	0
	1730	,,	1004·4	980·2	..	31·2	25·0	21·8	26·1	60	..	7·8	..	5·0	0	0	30	1	0	0	0	0	11	13	5	0	0
Madhya Pradesh West																											
Gwalior	0230	207	1003 9	980·6	..	24·4	22·2	21·0	25·1	82	..	2·1	..	3·2	0	1	12	2	2	0	0	0	2	6	1	17	0
	0530	,,	1004·3	980·9	..	24·2	21·8	20·5	24·1	81	..	2·9	..	3·3	0	1	18	1	1	0	0	0	2	6	9	11	0
	0830	"	1005·8	982·6	+0·9	27·5	23·4	21.3	25·3	70	−6	2.7	−1·1	7·3	0	2	24	0	2	2	1	1	1	11	8	4	0
	1130	,,	1005·8	982·9	..	30·8	24·4	21·1	25·3	59	..	2·7	..	8·9	0	2	25	6	2	1	0	1	0	10	7	3	0
	1430	"	1003·3	980·6	..	32·2	24·6	20·6	24·7	53	..	3·6	..	9·6	0	0	30	4	2	2	0	0	1	5	16	0	0
	1730	,,	1002·9	980 0	..	30·8	24·2	20·7	24·7	58	..	3·0	..	6·4	0	0	29	5	4	0	0	0	0	10	10	1	0
	2030	,,	1004·5	981·3	..	26·6	23·6	22·1	26·6	77	..	2·3	..	1·7	0	0	11	3	1	1	0	0	1	3	2	19	0
	2330	,,	1004·9	981·6	..	25.1	22·7	21.5	25·6	81	..	2·1	..	1.8	0	0	12	2	1	0	0	0	4	5	0	18	0
Sheopur	0830	235	1006·9	980·6	+2·1	26·4	23·3	21·6	25·9	76	−5	2·9	−1·8	5·8	0	0	26	4	0	0	0	8	6	7	1	4	0
	1730	"	1003·2	977·4	..	31·5	24·3	20·5	24·4	56	..	3·9	..	7·7	0	2	26	3	1	5	2	4	3	8	2	2	0
Shivpuri	0830	464	1006·1	9 4·8	..	26·0	22.1	20·1	23·8	72	..	2·6	..	8·7	0	0	27	1	0	1	2	1	0	15	7	3	0
	1730	"	1002.9	952·3	..	29·4	22·4	18·7	22·0	57	..	3·1	..	5·4	0	0	28	5	7	0	0	0	0	10	6	2	0
Nowgong	0830	229	1005.5	979.9	−0·2	26·4	23·7	22·4	26·9	80	−1	2·4	−1.6	3·8	0	0	22	1	1	3	0	3	9	3	2	8	0
	1730	"	1002·6	97·75	..	31·4	24·6	21·0	25·3	57	..	3·2	..	2·7	0	0	21	2	6	2	0	0	1	4	6	9	0
Guna	0530	478	1006·0	952·4	..	21·4	20·2	19·5	22·5	89	..	2·9	..	6·8	0	3	17	3	0	0	1	0	3	12	1	10	0
	0830	"	1006·9	953·8	+1·1	25·4	22·4	21·1	24·9	78	−5	2·9	−0·8	6.7	0	2	26	0	0	2	0	0	3	21	2	2	0
	1130		1006·4	954·1	..	29·6	23·[illegible]	21·2	25·3	63	..	3·2	..	11·2	0	2	28	3	2	0	0	0	1	11	12	0	0

Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (km.p.h.): 62 or more	Wind speed (km.p.h.): 20 to 61	Wind speed (km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh West—(*Contd.*)																											
Guna—(*Contd.*)	1730	478	1003·4	951.3	..	29·2	23·3	20·4	24·3	62	..	3·2	..	12.1	0	1	29	9	2	0	0	1	1	10	7	0	0
	2330	,,	1006·3	953·0	..	23·6	21·4	20·2	23·8	82	..	2·6	..	6·7	0	2	20	2	1	0	2	1	6	6	4	8	0
Nimach	0830	496	1008·3	953.3	+1·3	24·9	21·6	19·8	23·2	74	−5	2.9	−0·7	10·9	0	4	24	0	0	2	0	0	5	17	4	2	0
	1730	,,	1004·7	950·7	..	29.4	22·2	18.4	21·4	55	..	3·5	..	13.3	0	3	26	2	2	0	0	0	8	11	5	1	1
Rajgarh	0830	382	1007·2	964·6	..	25.2	22·3	20·8	24·5	78	..	2·5	..	5·1	0	0	27	6	2	0	0	0	0	12	7	3	0
	1730	,,	1003·5	961·8	..	30·4	23·2	19·0	22·5	55	..	2·7	..	7·2	0	1	28	11	1	0	0	1	0	12	4	1	0
Sagar	0830	551	1006·9	945·7	+0·7	24·6	22.1	20.8	24·7	80	−1	3·4	−0·8	4.3	0	0	25	0	0	2	0	0	6	12	5	5	0
	1730	,,	1003·1	943·1	..	28·0	23·1	20·5	24 5	69	..	3·5	..	2·9	0	0	25	2	8	2	0	0	3	7	3	5	0
Ratlam	0830	486	1008·3	954.3	+2·1	24·7	21·7	20·2	23·7	78	−11	4 0	−2·2	8.3	0	1	28	2	1	1	0	0	6	14	5	1	0
	1730	,,	1004·7	951·6	..	29.5	23·0	19·6	23·2	59	..	4·5	.	11.8	0	3	27	1	3	0	1	0	8	12	5	0	0
Bhopal (Bairagarh)	0230	523	1005·5	947·3	..	23·1	20·6	19·3	22·4	80	..	3.5	..	8.2	0	1	24	1	0	2	0	0	2	12	8	5	0
	0530	,,	1006·0	947·6	..	22·0	20·2	19·2	22·4	84	..	4·0	..	7 4	0	0	21	2	1	0	0	0	1	8	9	9	0
	0830	,,	1007·3	949 4	+1·1	24·9	22·0	20·9	24.4	76	−7	4 1	−0·5	12·6	0	3	25	4	1	1	0	0	0	9	13	0	0
	1130	,,	1006·7	949·4	..	28·7	23·0	20·1	23·8	63	..	4·2	..	13·5	0	8	21	3	3	1	1	0	1	8	12	1	0
	1430	,,	1003·7	947.0	..	30.4	22·7	18.6	22·0	53	..	5.2	..	15·9	0	7	23	8	2	0	0	0	1	9	10	0	0
	1730	,,	1003·3	946.5	..	29.5	22·3	18·5	21·6	55	..	4 4	..	14·1	0	5	24	8	3	1	0	0	1	8	8	1	0
	2030	,,	1005·6	948·0	..	25.9	21·5	19.2	22.9	69	..	3 8	..	5·9	0	0	21	7	2	1	0	0	2	6	3	9	0
	2330	,,	1006·4	948.4	..	24·5	21·3	19.1	22·9	74	..	3·7	..	6.1	0	0	20	2	1	2	1	0	3	9	2	10	0
Ujjain	0830	489	1008·0	953·6	..	24.9	22·0	20·6	24.3	78	..	4·1	..	15·3	0	11	17	2	1	0	0	0	0	10	15	2	0
	1730	,,	1003·8	950·6	..	29·8	22·6	18·9	22·1	55	..	4·2	..	13.9	0	7	23	4	3	2	0	0	0	8	13	0	0
Narsinghpur	0830	356	1006.6	966·9	..	24·7	22·6	21·5	24·1	82	..	3·3	..	2.9	0	0	28	0	2	0	0	0	19	5	2	2	0
	1730	,,	1002.8	963·7	..	29·5	23·3	19.7	22·7	59	..	4.7	..	2·7	0	0	29	7	4	0	0	0	14	1	3	1	0
Hoshangabad	0830	302	1007·4	973·4	+0·3	24.7	22·7	21.6	25·9	84	−1	3·6	−1 4	3·4	0	0	30	5	1	0	0	1	19	0	4	0	0
	1730	,,	1003·5	970·3	..	29.7	24·1	21·3	25·3	63	..	3·2	..	3·5	0	0	30	2	1	0	1	0	22	2	2	0	0
Indore	0530	567	1006·9	943.5	..	21·3	19·8	19·1	22·1	87	..	4 0	..	10·1	0	3	23	0	1	0	0	0	12	8	5	4	0
	0830	,,	1008·0	945.2	+0·7	24·2	21·3	19·9	23·2	78	−5	3·9	−1.5	11·8	0	4	25	0	2	2	0	0	3	13	9	1	0
	1130	,,	1007.0	945.1	..	28.2	22·3	19·3	22·5	60	..	3·9	..	13·9	0	6	22	0	5	3	0	0	3	7	10	2	0
	1730	,,	1003·7	942·1	..	28·8	21·7	18·0	20·8	54	..	4·7	..	15·7	0	8	22	2	3	3	0	0	7	9	6	0	0
	2330	,,	1007·2	944·3	..	23·3	20·6	19·2	22·2	79	..	3·5	..	10·5	0	2	24	0	1	1	0	0	11	9	4	4	0
Rajpur (Jhabua)	0830	293	1009·1	976·1	..	25·0	23·0	22·1	26·4	84	..	4·3	..	11·5	0	2	26	0	0	0	0	0	2	26	0	2	0
	1730	,,	1005·3	973·0	..	30·2	23·8	20·5	24.3	57	..	4 6	..	11·2	0	4	26	0	0	0	0	1	1	28	0	0	0
Chhindwara	0830	685	1006·5	931·3	+1·1	23·6	20.8	19·3	22·5	77	−5	3·8	−1·3	7·8	0	1	25	5	3	0	0	0	1	8	9	4	0
	1730	,,	1002·8	928·7	..	27·8	21·5	18·1	21·0	58	..	4·8	..	9·9	0	2	27	6	2	3	0	1	1	9	7	1	0
Seoni	0830	619	1006 5	938·4	+0.5	24·2	21·4	20·0	23 3	78	−1	4·4	+0·1	7.0	0	0	27	6	3	1	0	0	6	7	4	3	0
	1730	,,	1002·8	935·7	..	27·9	22·2	19·2	22·5	62	..	5·0	..	9·7	0	0	30	5	7	1	1	0	2	7	7	0	0
Betul	0830	653	1007·9	935.6	+1·4	22·8	20·9	20 0	23·3	84	−2	3·8	−2·3	3·9	0	0	28	1	3	0	2	0	2	8	12	2	0
	1730	,,	1003·7	932.7	..	26·7	22·1	19·9	23·2	69	..	4·5	..	4·5	0	0	28	6	5	1	0	0	1	6	9	2	0
Khandwa	0830	318	1008·4	972·4	+0·8	26·0	22·3	20·1	23·8	70	−11	3·4	−1 0	4·2	0	0	30	1	2	0	0	0	8	12	7	0	0
	1730	,,	1004·0	969.1	..	30·5	22·8	18·5	21·3	52	..	4·7	..	4 0	0	0	30	3	4	1	1	0	2	6	13	0	0
Madhya Pradesh East																											
Satna	0530	317	1004·4	968·8	..	23·5	22.8	22·5	27·3	94	..	3 4	..	2·4	0	0	12	4	2	0	1	0	3	2	0	18	0
	0830	,,	1005·8	970·4	+0·6	26·4	23·9	22·7	27·6	81	−1	3·0	−1·1	2·9	0	0	25	1	1	4	1	0	1	15	2	5	0
	1130	,,	1005·2	970.3	..	29·8	25·2	23·0	28·3	68	..	3·3	..	5·9	0	0	30	1	0	2	1	4	7	10	5	0	0
	1730	,,	1002·3	967.4	..	29·5	25·2	22·9	28 4	69	..	3·0	..	4 5	0	0	27	3	1	2	1	2	3	14	1	3	0
	2330	,,	1004·9	969·5	..	25·3	23·9	23.2	28·4	89	..	2·8	..	3.6	0	0	21	3	4	2	0	1	5	6	0	9	0
Rewa	0830	299	1005·0	971·8	..	27·2	23·9	22·3	26·9	76	..	2·9	..	4·8	0	0	25	2	3	1	1	1	5	8	4	5	0
	1730	,,	1002·0	969.3	..	30·1	23.9	20·5	24·6	60	..	3·0	..	4 9	0	0	30	6	5	1	1	0	0	6	11	0	0
Sidhi	0830	272*	1004·2	974·4	..	26·8	24·1	22·8	27·9	79	..	..	..	3·7	0	0	29	2	3	5	0	4	1	14	0	1	0
	1730	,,	1001·4	971·5	..	30·3	24·5	21 7	25·9	63	..	..	..	4·7	0	0	30	12	0	3	0	0	0	14	1	0	0
Umaria	0830	459	1006·0	955.3	..	25·6	22·9	21·6	25·9	80	0	3·5	−1·7	4 6	0	0	24	3	0	3	1	0	2	9	4	6	2
	1730	,,	1002·8	952·4	..	28.7	24 1	22 0	26 6	69	..	3·3	..	3·3	0	0	24	4	3	2	1	0	3	2	7	6	2
Jabalpur	0530	393	1005·3	961·3	..	22·9	21·9	21·4	25·5	92	..	3·4	..	1 8	0	0	10	0	1	0	0	1	2	6	0	20	0
	0830	,,	1006·7	963·1	+1·1	25·4	22·8	21 4	25·6	79	−2	3·2	−1·3	2·9	0	0	22	2	1	1	1	1	5	11	0	8	0
	1130	,,	1005·8	962·7	..	29·2	24·0	21·3	25·6	65	..	3 8	..	5·2	0	0	30	1	3	2	0	1	1	15	7	0	0
	1430	,,	1003·2	960·3	..	30·5	24·0	20·5	24·1	58	..	4·6	..	6·1	0	0	30	7	3	2	0	1	2	8	7	0	0
	1730	,,	1002·8	959·9	..	29·5	23·8	20 8	24·6	62	..	4·3	..	3·9	0	0	28	8	10	1	0	0	1	6	0	2	0
	2330	,,	1005·7	961·9	..	24·7	22·9	22·0	26·4	85	..	3·1	..	2·6	0	0	13	0	3	1	0	0	3	6	0	17	0
Ambikapur	0830	611	1005·9	938.7	+0·7	24·5	22·4	21·4	25·6	83	−2	3·9	−0·5	4·5	0	0	24	5	5	1	3	3	6	0	1	6	0
	1730	,,	1002·4	935·9	..	26·8	22·9	21·1	25·0	72	..	4·5	..	4·7	0	0	30	11	2	1	1	2	2	5	6	0	0

*Height provisionally calculated.

Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean Temperature in °C: Dry bulb	Mean Temperature in °C: Wet bulb	Mean Temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km.p.h.): 62 or more	Wind speed (km.p.h.): 20 to 61	Wind speed (km.p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh East—(*Contd.*)																											
Jashpur Nagar	0830	779	1005·1	920.3	..	23.8	21·6	20·5	24·1	82	..	3 8	..	2·3	0	0	27	0	13	0	2	0	4	0	8	3	0
	1730	,,	1002·1	918·1	..	25·7	22·4	20·7	24·7	76	..	4·1	..	2·3	0	0	30	0	5	0	2	0	15	0	8	0	0
Pendra	0530	625	1005 1	936·0	..	21·8	20·9	20·4	24·0	92	..	4·3	..	5·1	0	1	24	10	1	0	1	3	2	4	4	5	0
	0830	,,	1006 0	937·5	+0·2	24·6	22·2	21.1	25·0	81	−1	3·7	−0·6	8·6	0	2	25	10	2	0	1	3	2	3	6	3	0
	1130	,,	1005·2	937·2	..	27.2	23.0	21·0	25.0	70	..	4·0	..	10·1	0	4	25	11	4	1	0	2	2	2	7	1	0
	1430	,,	1002·5	934·9	..	27·9	23.1	20·9	24·7	67	..	4·6	..	11·7	0	6	24	13	5	1	1	2	1	3	4	0	0
	1730	,,	1002·8	934·9	..	26 4	22·8	21·1	25·8	74	..	4·3	..	6·3	0	2	21	12	1	0	1	2	1	2	4	7	0
	2330	,,	1005·7	936·8	..	23.1	21·6	20·9	24·7	88	..	3·3	..	3·5	0	0	16	5	0	0	1	1	5	1	3	14	0
Mandla	0830	543	1006·6	957·4	+1·1	24 6	22·8	21·8	26·3	84	−2	3·3	−2·1	2·1	0	0	8	4	0	0	0	1	0	2	1	22	0
	1730	,,	1002·7	954·3	..	28.2	23.5	21·0	25·0	67	..	3·3	..	1·3	0	0	8	3	0	0	0	2	0	0	3	22	0
Chamka	0830	245	1006·0	978·6	+0·8	26·7	24·5	23.4	28·9	83	−1	4·2	−1·8	4·2	0	0	26	6	4	2	0	0	2	0	3	4	0
	1730	,,	1002·6	975·5	..	29·1	25·0	23·0	28·3	72	..	5·8	..	4·7	0	0	25	5	1	0	0	1	3	5	10	5	0
Raigarh	0830	220	1006·2	981·6	+1·3	27·7	24·6	23·2	28·4	77	−6	4·5	−1·7	4·0	0	0	30	0	14	1	2	1	10	1	1	0	0
	1730	,,	1002·4	978·0	..	29·2	25·0	23·1	28·3	71	..	5 4	..	2·0	0	0	19	2	6	0	4	0	4	3	0	11	0
Raipur	0530	298	1004·6	971·5	..	24·3	23.3	22·8	27·8	91	..	4·7	..	4·1	0	0	17	0	2	0	0	2	7	3	2	13	1
	0830	,,	1006·3	973·0	+0·4	26·8	24·0	22·7	27·6	79	−2	4·5	−0·1	6·6	0	0	26	6	2	4	0	0	4	8	2	4	0
	1130	,,	1005·6	972·7	..	29·8	24·8	22·5	27·3	66	..	4·5	..	7·3	0	0	27	3	6	0	0	0	3	6	9	3	0
	1430	,,	1002·8	970·1	..	30·8	24·7	21·6	26·1	61	..	4·9	..	8·1	0	0	28	6	3	2	1	0	5	5	6	2	0
	1730	,,	1002.8	969·8	..	29.4	24·6	22·3	26·9	68	..	5·2	..	6·6	0	0	26	6	7	0	0	1	3	7	2	4	0
	2330	,,	1005·4	972·1	..	25·9	24.1	23 3	28·6	86	..	4·0	..	5·9	0	0	21	3	0	3	1	3	6	4	1	9	0
Kanker	0830	402	1006·4	961 9	+0·6	26·5	24.1	22·9	28·1	81	−1	4·9	−0·7	2·9	0	0	18	2	2	0	0	0	7	5	2	12	0
	1730	,,	1003·0	959·0	..	28·3	24.9	23.0	28·6	75	..	5·5	..	1·5	0	0	14	0	1	0	0	0	6	4	3	16	0
Jagdalpur	0530	553	1005·1	943·9	..	22·5	21.6	21·5	25.0	92	..	5·8	..	3·5	0	0	17	1	3	1	1	2	5	4	0	13	0
	0830	.	1006·3	945·5	0	25·2	22.8	21·7	25 9	81	−3	5·7	+0.7	5·9	0	0	25	4	2	0	2	0	9	3	5	5	0
	1130	,,	1005·2	945·0	..	28·0	23·2	21·1	25·0	67	..	5·9	..	8·7	0	0	30	4	5	0	3	0	9	4	5	0	0
	1730	,,	1002·8	942·7	..	27·3	23·1	21·3	25·2	71	..	6·7	..	6·9	0	0	30	5	4	1	1	2	11	2	4	0	0
	2330	,,	1006·0	944·9	..	23·7	22·2	21·5	25·6	88	..	4·2	..	3·8	0	0	17	1	4	1	1	1	6	2	1	13	0
Gujarat Region (including Daman, Dadra and Nagar Haveli)																											
Deesa	0830	136	1009·2	993·7	+2·0	25·8	23·1	21·7	25·9	79	..	3·0	..	6·7	0	0	29	1	1	1	2	2	5	1	16	1	0
	1730	,,	1004·6	989·6	..	33·2	23.8	18·8	21·8	43	..	3·1	..	8·9	0	0	29	0	1	0	1	5	11	3	8	1	0
Radhanpur	0830	30	1008·5	1005·1	..	26·6	24·4	23·4	28.8	83	..	..	..	3·2	0	0	30	1	0	0	0	3	12	7	7	0	0
	1730	,,	1005·2	1001·9	..	33 2	25·2	21·3	25·3	50	..	..	..	3·9	0	0	29	0	0	0	0	2	20	4	3	1	0
Idar	0830	219	1008·5	983·7	..	25·6	22·8	21·3	25·5	78	..	3·9	..	2·7	0	0	21	1	0	0	1	0	3	13	3	9	0
	1730	,,	1004·7	980·5	..	31·6	23.8	19·7	23·1	50	..	4·2	..	3·1	0	0	29	0	0	4	1	1	4	19	0	1	0
Ahmadabad	0230	55	1006·7	1000·4	..	26·1	23·3	21·8	26·3	77	..	2·2	..	6·4	0	0	24	1	0	0	0	0	2	13	8	6	0
	0530	,,	1006·8	1000·5	..	24·9	23·1	22·2	26·7	85	..	1·6	..	5·3	0	0	23	1	0	0	0	0	2	11	9	7	0
	0830	,,	1008·7	1002·4	+0·9	26·5	23·8	22·5	27·3	79	+3	2·8	−1·3	9·2	0	0	26	1	0	0	0	1	2	6	16	4	0
	1130	,,	1008·8	1002·6	..	30·6	25·0	22·3	27 1	62	..	3·2	..	10·7	0	0	28	1	2	0	0	0	3	9	13	2	0
	1430	,,	1006·3	1000·1	..	33·4	25·3	21·4	25·6	50	..	3·3	..	9.7	0	0	28	1	1	2	0	0	4	13	7	2	0
	1730	,,	1005·0	998·9	..	33.4	25 0	20·9	24·7	48	..	2·9	..	8·2	0	0	27	1	0	0	2	1	2	11	10	3	0
	2030	,,	1006·3	1000·1	..	29·2	24·5	22·3	26·9	67	..	2·4	..	5·1	0	1	15	0	0	0	0	3	3	4	6	14	0
	2330	,,	1007.4	1001·1	..	27.6	23·9	22·0	26·6	72	..	2·5	..	5·6	0	0	20	1	0	0	1	1	5	5	7	10	0
Dohad	0830	333	1008·4	971.2	+1 4	25·5	22 6	21·1	25·0	77	−9	3·9	−1·6	12·7	0	6	22	2	0	0	0	0	7	17	2	2	0
	1730	,,	1005·0	968·5	..	30·7	23·3	19·4	22·5	53	..	2·4	..	15·4	0	12	18	2	1	0	0	0	24	3	0	0	0
Vallabh Vidyanager	0830	44	1008 5	1003.5	..	25·4	23·7	22·9	27·9	87	..	2·1	..	6·4	0	0	29	1	0	0	1	1	16	3	7	1	0
	1730	,,	1005·0	1000·2	..	32 6	25·1	21·3	25·6	52	..	1·9	..	5·8	0	0	30	3	0	0	2	2	12	8	3	0	0
Baroda (Aerodrome)	0830	38	1008·9	1004·7	..	26·6	24·5	23·8	28·9	84	..	2·6	..	10·7	0	1	28	0	0	0	1	0	12	13	3	1	0
	1130	,,	1008.8	1004·6	..	30·5	25 6	23·4	28·9	66	..	2·8	..	11·9	0	3	26	1	2	0	0	0	7	11	8	1	0
	1730	,,	1005·1	1000·9	..	32·7	25 9	22·8	27·9	57	..	2·8	..	12·0	0	4	24	3	1	0	0	1	8	8	7	2	0
Baroda	0530	34	1007·1	1003.1	..	25 1	23 5	22·7	27·6	87	..	2.5	..	0·9	0	0	12	0	0	0	0	0	3	9	0	18	0
	0830	,,	1009·2	1005·2	+1·8	26·4	24 2	23·1	28·4	83	−3	2.6	−2·0	1·1	0	0	14	0	0	0	0	0	5	7	2	16	0
	1130	,,	1009·1	1005·2	..	31·2	25 5	22·9	27 9	62	..	3·1	..	2·2	0	0	22	0	0	0	0	0	10	6	6	8	0
	1730	,,	1005·5	1001·6	..	33·5	25·7	22·1	26·6	52	..	2·8	..	1·6	0	0	22	1	0	0	0	0	4	16	1	8	0
	2330	,,	1007·7	1003.7	..	27·1	24·3	22·8	28·1	78	..	2.3	..	1.3	0	0	18	0	0	0	0	0	11	7	0	12	0
Broach	0830	17	1008·7	1006.7	+1·7	25·7	23·8	22·8	27·9	84	−2	2·5	−1·9	5·6	0	0	30	0	0	0	2	2	13	3	10	0	0
	1730	,,	1005·1	1003·2	..	32·7	25·2	21·5	25·9	53	..	2.8	..	6.5	0	0	30	0	0	0	4	1	13	3	9	0	0
Surat	0530	12	1007·5	.006·2	..	25·5	23·9	23·2	28·8	87	..	2·6	..	6·8	0	0	30	0	0	0	6	0	23	0	1	0	0
	0830	,,	1009·3	1008·0	+1·3	26·7	24·7	23·7	29·5	84	+3	4·6	−0·6	5.6	0	0	30	1	8	0	2	0	11	0	8	0	0

Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (km.p.h.): 62 or more	Wind speed (km.p.h.): 20 to 61	Wind speed (km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Gujarat Region (Including Daman Dadra and Nagar Haveli) (*Contd.*)																											
Surat—(*contd.*) . .	1130	12	1009·7	1008·4	..	30·0	25·3	23·1	28·3	68	..	5·5	..	7·5	0	0	30	0	5	0	4	0	14	0	7	0	0
	1730	,,	1006·1	1004·8	..	31·3	25·4	22·7	27·6	61	..	3·5	..	10·1	0	0	30	0	0	0	1	0	29	0	0	0	0
	2330	,,	1008·4	1007·1	..	27·3	24·9	23·8	29·5	81	..	1·9	..	7·5	0	0	30	0	0	0	0	0	29	0	1	0	0
Saurashtra and Kutch (Including Diu)																											
Naliya . . .	0830	21	1008·0	1005·6	..	26·3	24·1	23·1	28·3	82	..	2·3	..	9·2	0	1	27	1	0	0	0	1	23	2	1	2	0
	1730	,,	1006·0	1003·6	..	29·2	24·6	22.5	27·1	68	..	3·8	..	13·2	0	3	27	0	0	0	0	3	22	5	0	0	0
Bhuj (Rudramata) .	0230	80	1006·7	997·6	..	(e) 24·3	(e) 23·6	(e) 23·2	28·6	(e) 94	..	0·8	..	(e) 6·1	0	1	13	0	0	0	0	0	7	7	1	15	0
	0530	,,	1006·9	997·7	..	(e) 23·6	(e) 23·2	(e) 22·9	28·1	(e) 96	..	1·0	..	(b) 4·5	0	0	11	1	0	0	0	0	4	7	0	18	0
	0830	,,	1008·4	999·2	+1·4	25·7	24·2	23·5	28·9	88	+15	2·0	−1·8	10·8	0	15	10	0	0	0	0	0	8	13	4	5	0
	1130	,,	1008·4	999·4	..	30·4	26·1	24·2	30·5	70	..	2·8	..	16.5	0	8	21	1	1	0	0	0	11	14	2	1	0
	1430	,,	1006.0	997·2	..	32·8	27·1	24·6	31·1	64	..	3·3	..	17·1	0	9	20	0	0	0	1	0	12	15	1	1	0
	1730	,,	1005·3	996·3	..	31·3	26·3	24·1	30·0	67	..	3·1	.	18·5	0	13	16	0	0	0	1	0	8	19	1	1	0
†	2030	,,	(b) 1006·8	(b) 997·8	..	(e) 27.3	(e) 25·2	(e) 24·3	30·0	(e) 84	..	(b) 1·6	..	(e) 16·1	0	3	22	0	0	0	0	0	7	21	0	1	0
††	2330	,,	1007·8	998·7	..	(e) 25·4	(e) 24·3	(e) 23·8	29·5	(e) 91	..	1·1	..	(e) 11·2	0	1	22	0	0	0	0	0	9	17	0	4	0
Kandla Aerodrome .	0830	35	1008·7	1004·8	..	27·1	23·6	21·9	26·3	73	..	1·8	..	19·6	0	15	14	0	0	0	0	1	13	12	3	1	0
	1130	,,	1008·8	1004·9	..	31·2	24·0	20·4	24·0	53	..	2·7	..	19·8	0	12	18	1	1	0	0	2	18	7	1	0	0
	1730	,,	1005·5	1001·6	..	32·5	23·7	19·1	22·1	46	..	2·5	..	27·0	0	24	6	0	0	0	0	2	23	4	1	0	0
New Kandla . .	0830	14	1009·0	1007·4	..	27·0	23·7	22·1	26 6	75	..	2·4	..	13.9	0	4	26	1	0	0	0	0	3	17	9	0	0
	1730	,,	1006·0	1004·4	..	31.5	24·8	21·6	25·9	56	..	2·6	..	29·3	0	25	5	0	0	0	0	0	17	13	0	0	0
Mandvi . .	0830	14	1008 9	1007·8	+2·7	27·0	24·1	22·7	27·6	76	−11	4·2	−0·5	23·6	0	19	11	2	0	0	0	0	7	17	4	0	0
	1730	,,	1006·5	1005·5	..	28·6	25·0	23·5	28·8	72	..	3·1	..	35·2	0	30	0	0	0	0	0	0	10	20	0	0	0
Surendranagar .	0830	9	1008·9	1000·5	+2·5	26·9	23·8	22·3	26·6	76	−8	3·3	−1·0	11·5	0	0	30	0	0	0	0	0	4	15	11	0	0
	1730	,,	1004·9	996·6	..	33·7	24·0	18·9	21·8	42	..	3.5	..	7·7	0	1	28	1	0	0	1	1	1	20	5	1	0
	0530	7	1007·6	1006·8	..	25·8	24·1	23·3	28·6	86	..	1.1	..	17·5	0	13	15	0	0	0	0	0	11	13	4	2	0
Okha . . .	0830	,,	1009·3	1008·5	..	26·8	24·5	23·4	28·8	81	..	2·2	..	16·5	0	10	18	0	0	0	0	0	9	13	6	2	0
	1130	,,	1009·8	1009 0	..	28·5	24·9	23·2	28·6	73	..	1·6	..	21·3	0	18	12	1	0	0	0	0	10	13	6	0	0
	1730	,,	1007·1	1006·3	..	28·2	24·9	23·3	28·8	75	..	2·3	..	21·7	0	17	13	0	0	0	0	0	5	17	8	0	0
	2330	,,	1008·8	1008·0	..	26·2	24·4	23·5	29·1	85	..	1.4	..	16·9	0	8	22	0	0	0	0	0	14	13	3	0	0
Jamnagar§ (Aerodrome) . .	0530	23																									
	0830	,,																									
	1130	,,																									
	1730	,,																									
	2330	,,																									
Dwarka . . .	0830	11	1008·8	1007·5	+1·2	26·9	24·9	23·9	29·8	84	−1	(b) 2·7	−1·5	(b) 11·8	0	7	22	2	0	0	0	0	4	22	1	0	0
	1730	,,	1006.8	1005·5	..	28·5	25·5	24.2	30·2	77	..	2·9	..	16·2	0	7	23	0	0	0	0	0	7	22	1	0	0
Rajkot . . .	0530	138	1007·4	991·7	..	22.7	21·5	21·0	24·7	90	..	1·0	..	7·7	0	0	23	0	0	0	1	2	17	3	0	7	0
	0830	,,	1009·0	993·4	+2.1	25·5	23·3	22·2	26·6	83	−5	1·1	−2·7	17·1	0	12	17	1	0	0	0	0	15	9	4	1	0
	1130	,,	1008·7	993·4	..	30·1	24·3	21·4	25·6	60	..	3·5	..	20·5	0	19	11	2	0	0	0	1	5	15	7	0	0
	1730	,,	1005·3	990·1	..	31·7	24·5	20·9	24·9	54	..	1·7	..	23·1	0	23	7	1	0	1	1	0	7	5	15	0	0
Bhawnagar (Aerodrome) . .	0830	11	1009·2	1008·0	+1·5	27·0	24·0	22·6	27·4	77	+6	2·4	−2.2	16·0	0	8	22	1	0	0	0	0	8	11	9	0	1
	1130	,,	1009·3	1008·1	..	31.5	24·5	21.1	25·0	54	..	3.4	..	16.6	0	12	17	3	1	1	0	0	5	9	9	1	1
	1730	,,	1005·6	1004·4	..	32·3	25.1	21·7	25.9	54	..	4·2	..	21·7	0	17	12	1	1	0	6	12	6	3	0	1	0
Porbander (Aerodrome) . .	0830	7	1009·2	1008·4	+2.3	27·0	24·2	22·8	27·9	78	−11	2·9	−1·7	9·2	0	2	23	2	0	0	1	0	3	11	8	5	0
	1130	,,	1009·6	1008·8	..	29·8	24·6	22·1	26·6	64	..	3·3	..	17·3	0	14	16	0	0	0	0	0	11	16	3	0	0
	1730	,,	1006·9	1006·1	..	29·0	24·4	22·2	26·7	67	..	2·6	..	21.5	0	22	8	0	0	0	0	0	7	21	2	0	0
Keshod . . .	0830	51	1009·2	1003·4	..	25·9	23·7	22·6	27.6	82	..	2·1	..	8·1	0	0	27	4	1	1	0	1	5	10	3	3	2
	1130	,,	1009·4	1003·6	..	29·6	24·1	21·5	25·5	62	..	3·1	..	16·7	0	10	19	2	1	0	0	0	5	15	5	1	1
	1730	,,	1006·6	1001·8	..	30·0	24·0	20·9	24·9	59	..	1·7	..	24·7	0	27	3	0	0	0	0	0	7	21	2	0	0
Mahuva . . .	0830	9	1007·9	1006·9	..	25·8	23·7	22·6	27·6	83	..	1·8	..	1·0	0	0	10	2	0	0	0	0	2	4	2	20	0
	1730	,,	1005·8	1004·8	..	29·5	25.1	23·1	28·3	69	..	3·8	..	5·7	0	0	28	0	0	0	1	4	20	3	0	2	0
Veraval . . .	0230	8	1007·7	1006·8	..	25·8	23·8	22·8	27·9	84	..	1·7	..	17·3	0	12	18	8	0	0	0	0	2	13	7	0	0
	0530	,,	1007·6	1006·7	..	25.1	23·3	22·5	27·1	86	..	1·7	..	15·7	0	11	18	13	0	0	0	0	2	9	5	1	0
	0830	,,	1009·5	1008·6	+1·3	26·9	24·4	23·0	28·6	80	−4	2·6	−1.9	16·2	0	12	17	8	1	0	0	0	0	9	11	1	0
	1130	,,	1009·9	1009·0	..	29·6	25·4	23.5	28·9	70	..	2.4	..	19·9	0	18	12	0	0	0	0	0	2	17	11	0	0
	1430	,,	1007·9	1007·0	..	30·0	25·6	23·7	29·3	69	..	2·3	..	23.4	0	26	4	0	0	0	0	0	2	21	7	0	0
	1730	,,	1007·0	1006·1	..	28·6	25·2	23·7	29·3	75	..	2·9	..	23·5	0	26	4	0	0	0		0	2	20	8	0	0
	2030	,,	1008·2	1007·3	..	27·2	24·6	23.4	28·8	80	..	1·5	..	20·0	0	19	11	1	0	0	0	0	2	16	11	0	0
	2330	,,	1008·9	1008·0	..	26.6	24·3	23·2	28·4	82	..	1·6	..	17·9	0	13	17	3	0	0	0	0	2	15	0	0	0

*Wind speed frequency for 29 days. (b) Mean of 29 days. (e) Mean of 26 days. † Wind direction for 29 days. †† Wind speed frequency for 27 days §Observation not recorded.

Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km.p.h.): 62 or more	Wind speed (km.p.h.): 20 to 61	Wind speed (km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KONKAN (Including Goa)																											
Dahanu . .	0830	5	1009·2	1008·7	+1·7	26·3	25·0	24·4	30·7	86	−1	3·4	−2.5	12·9	0	3	27	0	0	3	19	0	2	3	3	0	0
	1730	,,	1006·8	1006.3	..	29·3	26·7	25·6	32·8	82	..	2.8	..	16·0	0	7	23	1	0	2	1	0	1	14	11	0	0
Bombay (Santa Cruz)	0230	14	1008·1	1006·4	..	25·4	24·0	23.4	28·6	89	..	3·9	..	2·4	0	0	10	0	0	1	0	0	0	5	4	20	0
	0530	,,	1008·2	1006·5	..	25·1	23·9	23·4	28·6	90	..	4·1	..	2·1	0	0	10	1	2	3	0	0	0	2	2	20	0
	0830	,,	1009·8	1008·2	+0·9	27·0	24·8	23·8	29·5	83	−2	5·2	−0·5	3·5	0	0	14	0	2	1	4	0	1	1	5	16	0
	1130	,,	1009·9	1008·3	..	29·5	25·5	23·7	29.3	71	..	6·0	..	13·0	0	2	26	2	1	0	0	0	2	9	14	2	0
	1430	,,	1007·7	1006·1	..	29·9	25·5	23·6	28·9	69	..	5·0	..	15·9	0	6	24	2	0	0	0	0	1	7	20	0	0
	1730	,,	1007·1	1005·5	..	28·8	24.9	23·0	28·3	71	..	4·5	..	15.8	0	5	25	4	0	0	0	0	0	7	19	0	0
	2030	,,	1008·7	1007·1	..	26·9	24·4	23·3	28·3	81	..	2·9	..	8·7	0	0	27	3	1	1	0	0	0	8	14	3	0
	0330	,,	1009·3	1007·7	..	25·9	24·2	23·5	28·9	86	..	3·1	..	3·1	0	0	11	0	1	0	0	0	0	7	3	19	0
Bombay . . .	0830	11	1009·8	1008·6	+0·9	27.3	24·9	23·8	29·5	81	−4	4·4	−1·3	7·4	0	0	29	1	3	4	3	1	4	5	8	1	0
	1130	,,	1010·0	1008·8	..	29.6	25·6	23.9	29·5	72	..	4·1	..	9.9	0	0	28	2	1	0	1	0	4	9	10	2	1
	1730	,,	1007·3	1006·1	..	28·7	25·1	23·5	28.9	74	..	3·6	..	12.1	0	3	27	1	0	0	0	0	0	14	15	0	0
Alibag . . .	0830	7	1009·9	1009·1	+0·9	26·8	24·9	24·1	30·0	85	+2	4·4	−1·4	8·9	0	6	20	2	3	4	5	0	1	3	8	4	0
Bhira . . .	0830	96	1009·5	998·6	..	24·9	23·9	23·4	28·8	91	..	4·2	..	0·1	0	0	2	1	0	0	0	0	0	0	1	28	0
	1730	,,	1006·2	995·5	..	29·0	25·4	23·8	29·5	74	..	5·5	..	1·7	0	0	21	0	0	2	3	2	10	2	2	9	0
Harnai . . .	0830	20	1009·7	1007·5	+1·4	26·7	25·0	24·2	30·4	87	+1	6.1	+0·2	8·9	0	1	29	8	4	7	2	1	0	2	6	0	0
	1730	,,	1007·3	1005·0	..	28·0	25·9	24·9	31·9	84	..	5·8	..	21·7	0	19	11	12	0	0	0	0	1	4	13	0	0
Ratnagiri .	0830	35	1009·8	1005·8	+0·5	26·0	24·7	24·1	30·0	89	..	6.1	..	3·1	0	0	22	0	11	7	1	1	0	2	0	8	0
	1730	,,	1007·4	1003·4	..	28.2	25·5	24·3	30·4	79	..	6.0	..	12·5	0	0	30	0	0	0	0	0	1	15	14	0	0
Devgarh . .	0830	36	1009.8	1005.8	+0·9	25.6	24.4	23·8	29·7	90	+1	5·0	−1·2	7·3	0	3	23	4	2	7	5	0	1	1	6	4	0
	1730	,,	1007.3	1003·3	..	27·9	25·5	24·4	30·7	82	..	4.9	..	19·6	0	13	17	0	0	0	0	0	0	4	26	0	0
Vengurla . .	0230	9	1009.1	1008·1	..	24·7	24·0	23·8	29·3	95	..	5·1	..	0·7	0	0	3	1	1	0	0	0	0	0	1	27	0
	0530	,,	1008·6	1007·6	..	24·2	23·8	23·6	29·1	96	..	5·5	..	1·6	0	0	10	7	1	0	0	0	0	1	1	20	0
	0830	,,	1010·3	1009·3	+1·0	25·7	24·5	23·9	29·5	90	+1	5·0	−1·1	2·0	0	0	14	8	0	2	2	0	1	0	1	16	0
	1130	,,	1010·3	1009·3	..	28·6	25·7	24·4	30·7	78	..	5·0	..	5·5	0	0	28	2	0	0	0	1	9	10	6	2	0
	1730	,,	1007·7	1006·7	..	28·2	25.4	24·1	30·2	79	..	5·6	..	7·1	0	0	29	0	0	0	0	0	0	16	13	1	0
	2330	,,	1010·1	1009·1	..	25·2	24·5	24·1	30·2	94	..	4·9	..	1·3	0	0	8	5	1	0	0	0	0	1	1	22	0
Panjim . . .	0530	60	1008·6	1001.7	..	24·4	23·6	23·1	28·4	93	..	5.2	..	3·3	0	0	15	2	2	2	2	1	1	2	3	15	0
	0830	,,	1010·1	1003·3	..	25·4	24·0	23·4	28·6	89	..	5·7	..	2·9	0	0	12	4	1	2	1	0	0	0	4	18	0
	1130	,,	1010·2	1003 5	..	28·5	25·2	23·7	29·3	76	..	5·5	..	8·6	0	1	27	2	0	0	0	0	3	10	13	2	0
	1430	,,	1008.1	1001·3	..	28·9	25·3	23·7	29·3	74	..	5·6	..	15·9	0	5	25	0	0	0	0	0	4	12	14	0	0
	1730	,,	1007·6	1000·8	..	27·8	24·8	23·5	28·8	78	..	5·5	..	13·9	0	6	24	1	0	0	0	0	1	6	22	0	0
	2030	,,	1009·2	1002·4	..	26·0	24·2	23·4	28·8	85	..	4·9	..	8·9	0	1	27	5	0	0	1	1	0	5	16	2	0
	2330	,,	1010·0	1003·2	..	25·4	24·1	23·4	28·9	89	..	4·5	..	4·2	0	0	19	5	3	1	1	0	1	0	8	11	0
Marmugao . .	0530	62	1008·1	1001·1	..	25.0	23·9	23·3	28·6	91	..	6·4	..	10·4	0	1	27	6	6	3	2	2	1	5	3	2	0
	0830	,,	1009·5	1002·6	..	26·2	24·5	23·7	29·3	86	..	5·7	..	7·8	0	1	25	8	6	1	1	1	3	2	2	4	0
	1130	,,	1009·6	1002·7	..	27·6	25·0	23·8	29·5	80	..	5·3	..	12·1	0	1	29	1	0	0	1	3	3	3	18	0	1
	1730	,,	1007·1	1000·2	..	27·5	25·1	24·0	29·8	82	..	5·9	..	17·6	0	11	18	0	0	0	0	1	2	13	13	1	0
Dabolim (Naval Air Station) . .	0530	52	1008·7	1002·8	..	24·6	23·8	23·4	28·8	93	..	6·2	..	8·7	0	3	17	7	4	1	1	0	0	3	4	10	0
	0830	,,	1010·3	1004·4	..	25·7	24·4	23·8	29·7	89	..	6·1	..	9·0	0	2	19	10	4	0	2	1	1	0	3	9	0
	1130	,,	1010·4	1004·6	..	28·0	25·0	23·7	29·3	78	..	5·9	..	17·7	0	7	23	1	0	0	0	5	4	8	12	0	0
	1730	,,	1007·7	1001·9	..	27·9	24·9	23·6	29·1	78	..	6·3	..	25·9	0	22	8	1	0	0	0	0	3	16	10	0	0
	2330	,,	1010·0	1004·2	..	25·7	24·5	23·9	29·8	90	..	5·5	..	12·1	0	1	27	7	2	0	1	0	1	6	11	2	0
Madhya Maharashtra																											
Nandurbar . .	0830	206	1008·9	985·7	..	25·7	23·4	22·3	26·9	81	..	2·9	..	4·6	0	0	30	0	0	0	0	0	1	29	0	0	0
	1730	,,	1005·7	982·8	..	29·7	23·8	20·8	24·7	61	..	3·0	..	4·6	0	0	30	0	0	0	0	0	1	29	0	0	0
Jalgaon . .	0830	201	1008·8	986.0	+1·6	25·4	23·1	22·1	26·3	82	−3	4·5	−0·5	13·4	0	6	24	0	0	0	0	1	6	18	5	0	0
	1730	,,	1004·5	982·3	..	32·3	23·2	18·2	21·0	45	..	5·0	..	19·7	0	16	14	3	2	1	0	0	3	12	9	0	0
Malegaon . .	0830	437	1008·4	959·7	+0·4	25·2	22·0	20·3	23·8	74	−2	4·3	0	8·6	0	1	29	5	1	0	0	0	2	12	10	0	0
	1730	,,	1004·6	956·9	..	29·8	23·0	19·2	22·5	55	..	5·7	..	12·7	0	2	28	11	4	0	0	0	1	5	9	0	0
Ozar . . *	0830	608	..	..	..	23·4	21·1	20·0	23·2	81	..	(b) 2·9	..	(c) 17·9	0	12	16	1	0	0	0	0	2	19	7	0	0
**	1130	,,	..	..	..	27·7	21·8	18·5	21·8	56	..	(c) 3·1	..	(e) 18·2	0	13	13	2	0	0	0	0	2	12	7	0	4
††	1730	,,	..	..	..	(d) 27·1	(d) 22·1	(d) 19·4	22·9	(d) 64	..	(c) 4·4	..	(b) 23·7	0	21	4	1	0	0	0	0	3	13	11	0	0
Deolali (Aerodrome) .	0830	571	1010·4	946·9	..	23·6	21·3	20·1	23·5	81	..	(k) 5·6	..	(k) 12·4	0	3	15	0	0	0	1	1	9	8	1	2	0
	1730	,,	1007·4	944·5	..	26·2	22·5	19·7	24·4	72	..	(k) 6·4	..	(k) 19·0	0	0	11	1	0	0	1	0	7	7	3	0	0
Ahmadnagar . .	0830	667	1008·8	936·3	+0·4	23·1	20·9	20·7	23·1	81	+3	4·9	0·5	6·4	0	0	29	4	3	0	0	0	4	1	16	1	0
	1730	,,	1003·9	933·2	..	28 8	22·0	18·5	21·4	56	..	6·9	..	12·6	0	4	25	1	6	0	0	0	4	0	18	1	0

†† Observations closed from 22nd September 1965. (f) Mean of 25 days. (d) Mean of 27 days. (k) Mean of 20 days. * Wind direction for 29 days. (e) Mean of 26 days.
** Wind direction for 27 days. † Wind direction for 28 days. (c) Mean of 28 days.

Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level of height in g.p.m. or nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (km. p. h.): 62 or more	Wind speed (km. p. h.): 20 to 61	Wind speed (km. p. h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Poona (Aerodrome)	0230	593	1008·3	942·1	..	21.2	20·3	19.8	22·9	92	..	3·1	..	11·1	0	0	27	0	0	0	0	0	1	26	0	3	0
	0530	,,	1008·3	942·0	..	20·7	19·9	19·5	22·7	93	..	3·5	..	11 3	0	1	26	0	0	0	0	0	2	25	0	3	0
	0830	,,	1009·5	943.6	..	23.0	21·0	20·1	23·4	83	..	4.0	..	17·5	0	8	21	0	0	0	0	0	8	21	0	1	0
	1130	,,	1008·4	943·6	..	27.6	21·7	18·7	21·6	59	..	4·6	..	18·8	0	15	14	2	1	2	0	0	3	17	4	1	0
	1730	,,	1005·3	940·5	..	27·0	21·5	18·6	21·6	62	..	5·4	..	28·0	0	27	3	0	0	0	0	0	1	26	3	0	0
	2330	,,	1009·3	943·3	..	22·3	20.9	20.2	23·8	88	..	3·8	..	16·1	0	7	23	0	0	0	1	0	5	23	1	0	0
Poona	0530	559	1008·4	945·9	..	21.3	20·3	19·6	23·0	90	..	3·8	..	2·0	0	0	11	0	0	0	0	0	0	11	0	19	0
	0830	,,	1009.5	947·5	+0.8	23·8	21·4	20·1	23·7	80	0	3·6	−1·8	3·7	0	0	19	0	0	0	0	0	0	17	2	11	0
	1130	,,	1008·5	947·3	..	27.6	22·1	19·5	22·7	62	..	4·3	..	8 0	0	0	25	0	1	1	0	0	0	21	2	5	0
	1430	,,	1005·5	944·8	..	29·4	22·2	18·6	21·4	54	..	5·6	..	9·8	0	1	25	0	0	0	0	0	0	22	4	4	0
	1730	,,	1005·7	944·5	..	26·6	22·0	19·8	23·1	66	..	5·4	..	9·5	0	0	29	0	0	0	0	0	0	25	4	1	0
	2030	,,	1008·3	946·4	..	24·0	21·5	20·3	24·0	80	..	3·0	..	6·1	0	0	25	0	0	0	0	0	0	25	0	5	0
	2330	,,	1009·2	947·0	..	22·7	21·1	20·3	24·0	87	..	3.3	..	3·9	0	0	20	0	0	0	0	0	0	20	0	10	0
Jeur	0830	521	1008·7	950·9	+1·1	24·3	22·0	20·9	24·7	82	+1	4·0	−0·5	12·0	0	1	29	3	0	0	0	0	1	13	13	0	0
	1730	,,	1003·2	946·9	..	31·1	22·3	17·6	20·5	47	..	5·7	..	13·1	0	9	20	3	2	3	1	0	2	10	8	1	0
Baramati	0830	551	1009·1	948·1	+1·6	23·8	21·5	20·3	23·8	81	0	2 6 (b)	−2·5	9·1 (b)	0	0	30	5	0	0	0	0	0	13	12	0	0
	1730	,,	1004·1	944·5	..	29·8	22·5	18·8	21·8	53	..	4 4	..	15·7	0	10	19	6	0	0	0	0	3	12	8	0	0
Sholapur	0530	479	1007·8	954·3	..	22 9	20·9	19·9	23·2	84	..	4·5	..	5·1	0	0	27	2	0	0	0	0	7	7	11	3	0
	0830	,,	1009·1	956·0	+0·8	25·8	22·2	20.5	24·1	73	−4	4.5	−0·5	8·3	0	0	30	0	0	0	0	0	11	0	19	0	0
	1130	,,	1007·5	955·2	..	30·2	22·9	19·3	22·5	53	..	4·7	..	12·5	0	0	30	13	3	0	0	0	1	5	8	0	0
	1730	,,	1003·2	951·5	..	31·4	22·1	17·1	19·7	45	..	5·7	..	9·5	0	2	27	10	2	0	0	0	4	4	9	1	0
	2330	,,	1007·9	954·9	..	26·0	21·3	18.9	21·8	67	..	5·2	..	8·1	0	1	24	2	2	5	0	0	4	8	4	5	0
Miraj	0830	554	1009·9	948·4	+0·7	23·3	21·2	20·2	23·5	83	0	5·6	−0·7	..	..	..	..	0	0	0	0	0	0	7	1	22	0
	1730	,,	1005·4	945·2	..	28·4	21·8	18·4	21·3	57	..	6·3	..	..	..	..	..	0	1	1	0	0	0	24	0	4	0
Kolhapur	0530	570	1008·4	944·8	..	21·1	20·5	20·2	23·7	95	..	4·0	..	4·7	0	0	25	0	0	0	0	0	2	22	1	5	0
	0830	,,	1009·6	946·4	+0·9	23·3	21·6	20·7	24·3	85	−3	3·5	−1·9	3·0	0	0	19	1	0	0	0	0	0	17	1	11	0
	1130	,,	1008·3	946·2	..	28·2	22·8	20·2	23·8	62	..	4·1	..	5·8	0	0	27	0	0	0	0	0	1	21	5	3	0
	1730	,,	1006·1	943·4	..	26·0	22·3	20·6	24·3	73	..	5·4	..	11·2	0	0	30	0	0	0	0	0	0	26	4	0	0
	2330	,,	1009·4	946·0	..	22·3	21·3	20·8	24·6	91	..	4·1	..	11·1	0	5	23	0	0	0	0	0	1	23	4	2	0
Marathwada Aurangabad	0830	581	1008·6	944·8	+0·6	25·1	21·4	19·5	22·7	72	−6	3·4	−1·9	12·0	0	7	19	8	2	0	0	0	0	16	0	4	0
	1730	,,	1003·8	941·1	..	30·2	21·4	16·5	19·0	46	..	4·8	..	6·3	0	0	27	10	2	0	0	0	0	8	7	3	0
urangabad (Chikalthan)	0230	579	1006·7	942·4	..	22.5	19·7	18·2	20·9	77	..	3·3	..	8 0	0	0	19	0	0	0	0	0	0	14	5	11	0
	0530	,,	1007·4	942·9	..	21·6	19.4	18·3	20·9	82	..	3·1	..	6·3	0	0	16	0	0	0	0	0	0	13	3	14	0
	0830	,,	1008·5	944·6	..	24·8	20·9	18.9	21·8	70	..	3·9	..	13·7	0	3	27	3	1	0	0	0	0	17	9	0	0
	1130	,,	1007·1	944·2	..	29.4	21·5	17·2	19.9	49	..	4·7	..	13·9	0	0	29	7	5	1	0	0	0	7	9	1	0
	1430	,,	1004·1	941·6	..	31·0	21·1	15·4	17·7	41	..	5·6	..	14·9	0	4	26	8	5	1	0	0	0	6	10	0	0
	1730	,,	1003·5	941.0	..	30·2	20·5	14·5	17·0	41	..	5·5	..	13·6	0	2	27	11	4	0	0	0	0	7	7	1	0
	2030	,,	1006·5	943.0	..	26·1	20.0	16·5	19.0	57	..	3·7	..	6·9	0	1	14	4	0	0	0	0	0	8	3	15	0
	2330	,,	1007·8	943·8	..	24·2	19·9	17·2	20·0	67	..	3·4	..	8·5	0	1	19	2	0	0	0	0	0	13	4	10	0
Parbhani	0830	423	1008·8	961·7	+2·0	24·9	21·4	19·2	22·7	69	−12	3·8	−1·4	7·4	0	0	29	2	2	0	0	0	0	13	12	1	0
	1730	,,	1003·7	957·7	..	30·5	22·2	17·2	20·0	48	..	5·0	..	9·3	0	0	29	4	9	1	1	0	0	6	8	1	0
Nander	0830	358	1008·0	968·0	..	25·9	22·3	20·4	24·0	72	..	3·0	..	3·9	0	0	21	0	4	0	0	0	4	8	5	9	0
	1730	,,	1004·3	965·1	..	30·6	23·7	19·9	23·7	56	..	4·4	..	3·7	0	0	20	2	7	1	0	0	4	2	4	10	0
Bir	0830	519	1009·7	952·1	..	24·7	22·3	21·3	24·7	81	..	2·9	..	8·0	0	0	30	1	0	0	0	0	3	2	24	0	0
	1730	,,	1004·0	947·8	..	30·2	22·9	19·4	22·5	53	..	4·6	..	7·2	0	1	26	0	6	0	1	0	4	1	15	3	0
Vidarbha Gondia	0830	313	1006·7	971·7	+1·0	26·0	23·4	22·0	26·6	79	−5	4·1	−1·2	4·1	0	0	29	7	7	0	1	0	5	2	7	1	0
	1730	,,	1002·9	968·6	..	29·7	24·3	21·5	25·9	63	..	3.9	..	3·9	0	0	28	11	1	0	1	1	1	8	5	2	0
Nagpur (Sonegaon)	0230	310	1004·8	970·0	..	23·6	21·9	21·0	24·9	85	..	3·9	..	4·5	0	0	24	2	2	1	0	0	4	5	10	6	0
	0530	,,	1005·5	970·4	..	22·7	21·5	20·6	24·7	88	..	4·6	..	6·5	0	2	22	1	2	1	1	0	3	3	13	6	0
	0830	,,	1006·9	972·2	+0·5	26·1	24·9	21·2	25·3	76	−5	3·9	−0·8	9·2	0	3	26	5	2	0	0	0	1	9	12	1	0
	1130	,,	1006·1	971·9	..	29·9	23·9	20·8	24.6	60	..	4·6	..	10·7	0	2	28	7	2	1	0	0	1	7	12	0	0
	1430	,,	1003·4	969·3	..	30·8	24·0	20·5	24·9	57	..	5·4	..	10·3	0	3	25	4	4	1	0	0	1	5	13	2	0
	1730	,,	1003·1	968 9	..	29·5	23·6	20·3	24·4	60	..	5·2	..	6·9	0	0	28	7	5	0	0	0	2	6	8	2	0
	2030	,,	1005·5	970·9	..	26·0	22·9	21·2	25·5	76	..	3·9	..	5·0	0	0	24	2	2	1	1	0	0	7	11	6	0
	2330	,,	1006·0	971·2	..	24·6	22·4	21·2	25·3	82	..	3·5	..	5·6	0	1	24	3	1	0	0	0	1	7	13	5	0
Amraoti	0830	370	1007.7	966·4	+0·8	25·4	21·8	19·7	23·2	72	−8	3·1	−1·8	4·7	0	0	30	3	2	1	0	0	4	12	8	0	0
	1730	,,	1003·7	963·2	..	29·8	22·3	17·9	20·7	52	..	4·3	..	4·8	0	0	30	10	3	0	0	0	1	5	11	0	0
Akola (Aerodrome)	0530	309	1005·7	970.7	..	23·1	20·8	19·5	22·6	81	..	3·3	..	11·5	0	2	28	2	1	0	0	0	5	15	7	0	0

Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km. p.h.): 62 or more	Wind speed (km. p.h.): 20 to 61	Wind speed (km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Vidarbha—*Contd.*																											
Akola (Aerodrome) —*Contd.*	0830	309	1007·2	972·6	..	25·4	22·1	20·3	23·8	74	..	4·1	..	12·3	0	0	30	2	0	0	0	0	2	11	15	0	0
	1130	,,	1006·4	972·3	..	30·0	23·4	19·9	23·2	56	..	4·5	..	10·4	0	4	26	4	1	0	0	0	0	12	13	0	0
	1730	,,	1003·0	968·9	..	31.1	22·4	17·2	20·0	47	..	5·4	..	13·9	0	6	24	6	1	2	1	0	1	9	10	0	0
	2330	,,	1006·1	971·4	..	25·3	21·5	19·3	22.5	70	..	3·7	..	8.3	0	0	26	2	2	0	1	1	4	12	4	4	0
Akola . . .	0830	282	1007.8	976.2	+0·6	26.1	23·0	21.5	25.5	77	−1	2.8	−2·0	1.5	0	0	18	0	0	0	0	0	0	18	0	12	0
	1730	,,	1003·2	972·4	..	31·9	23.9	19·5	23·1	52	..	5.3	..	2·0	0	0	25	2	0	2	0	0	0	16	5	5	0
Bramhapuri . .	0830	229	1007·1	981·4	..	26.3	24·0	22·9	27.9	82	..	3·8	..	5·0	0	0	26	5	5	2	0	1	3	7	3	4	0
	1730	,,	1003.0	977.5	..	30·1	24·7	22·1	26.6	64	..	3·8	..	6·9	0	0	28	7	10	2	1	1	1	2	4	2	0
Buldana . . .	0830	650	1008.2	936·5	+1·7	23·6	20·7	19·2	22.2	77	−9	3·4	−2·5	10·3	0	0	29	6	0	0	0	0	0	3	20	1	0
	1730	,,	1003·6	933·4	..	28·6	21·5	17·7	20.3	54	..	5.4	..	7·1	0	0	30	6	2	1	0	0	0	0	21	0	0
Yeotmal . . .	0830	451	1007.0	957·0	+1·0	25·0	21.6	19·7	23.2	73	−11	3·8	−1·5	11·4	0	5	25	5	1	0	0	0	0	20	4	0	0
	1730	,,	1003.1	953·8	..	28·8	23·1	20·1	23·5	61	..	4·7	..	8·2	0	7	22	9	2	2	0	1	1	10	4	1	0
Chanda . . .	0830	193	1006·9	985·1	0	26·0	23·6	22·5	27·1	81	+1	4·1	−0·5	8·3	0	1	28	3	1	1	0	0	1	10	13	1	0
	1730	,,	1003.0	981·7	..	30·2	24·8	22·5	26·9	65	..	5·3	..	7·3	0	0	29	4	7	4	1	0	1	7	5	1	0
Pusad . . .	0830	334	1007·9	970·6	..	26·1	22·7	20·9	24·7	73	..	2·1	..	13·2	0	2	28	4	0	0	0	3	5	2	16	0	0
	1730	,,	1003·5	966·9	..	30·4	23·3	19.5	22·8	54	..	4·0	..	11·3	0	0	30	6	2	1	1	0	3	2	15	0	0
Sironcha . . .	0830	123	1007·3	993.4	+0·7	26·4	24·8	24.1	30·0	87	+2	5·0	−0·7	2·0	0	0	28	1	3	2	5	1	8	0	8	2	0
	1730	,,	1003·6	989·9	..	30·3	25·2	22·8	27·7	66	..	5·5	..	6·1	0	0	28	3	8	1	3	0	5	2	6	2	0
Coastal Andhra Pradesh																											
Kalingapatam . .	0830	6	1006.2	1005·6	+0·3	27.8	26·0	25·1	32·1	83	0	4.7	+0·2	10.9	0	4	26	1	1	0	0	8	10	2	6	0	2
	1730	,,	1003.6	1002·9	..	29.0	26·5	25·6	32·6	81	..	5.2	..	13.7	0	6	24	1	2	1	0	8	9	1	0	0	8
Vishakhapatnam .	0230	3	1004·5	1004·1	..	26·6	24·9	24·1	30·0	86	..	4·5	..	4·1	0	0	11	1	1	1	2	1	0	4	1	19	0
	0530	,,	1005·0	1004·6	..	26·2	24·7	24·0	30·0	88	..	5·0	..	4·2	0	1	13	1	1	1	0	1	2	6	2	16	0
	0830	,,	1006.5	1006.1	+0.2	28·5	25·4	24·1	30.0	77	−4	5·1	..0.7	6·2	0	3	9	0	1	0	0	0	6	4	1	18	0
	1130	,,	1005·7	1005·3	..	31·0	26.1	23·9	29·3	67	..	5·4	..	12·4	0	8	18	1	1	3	4	2	13	2	0	4	0
	1430	,,	1003·1	1002·7	..	31·3	26·1	24·0	29·7	67	..	5·8	..	16·8	0	8	22	0	0	3	6	6	13	1	1	0	0
	1730	,,	1003·7	1003·3	.	28·9	25·6	24·2	30·0	76	..	6.2	..	9·5	0	1	23	1	1	1	3	4	11	2	1	6	0
	2030	,,	1005·7	1005·3	..	27·4	25·3	24·3	30·4	83	..	4·6	..	4·9	0	1	13	1	0	2	2	1	4	3	1	16	0
	2330	,,	1005·9	1005·5	..	27·0	25·1	24·2	30·4	85	..	4·9	..	4·1	0	0	15	1	0	2	1	1	2	3	5	15	0
Kakinada . .	0830	8	1006.7	1005·8	0	28·3	26·3	25·4	32.6	85	+5	5·1	−0.3	8·9	0	0	30	0	4	0	2	0	21	0	3	0	0
	1730	,,	1003·5	1002·6	..	30·1	26·4	24·9	31.5	75	..	5·5	..	11.2	0	1	29	0	1	0	11	0	15	2	1	0	0
Nidadavole . .	0830	12	1006·7	1005·3	..	27·3	25·8	25·1	31·9	88	..	5·5	..	7·1	0	1	26	1	1	1	1	1	7	8	7	3	0
	1730	,,	1003.4	1002.0	..	29.7	26.0	24.5	30.7	75	..	6.3	..	7·6	0	2	26	0	4	0	2	0	11	2	9	2	0
Rentachintala. .	0830	106	1007·3	995.4	..	27.1	23.9	22.2	26.9	75	+5	5.0	−0·8	1.9	0	0	25	0	0	0	0	1	0	24	0	5	0
	1730	,,	1003·3	991·6	..	32·2	24.3	20·6	24·3	52	..	5·7	..	1·7	0	0	25	10	0	0	0	1	0	14	0	5	0
Gannavaram . .	0230	,,	1004·7	1002·0	..	25·9	25·0	24·5	30·9	92	..	5·1	..	4·1	0	0	18	1	0	0	1	2	6	5	3	12	0
	0530	,,	1005·2	1002·5	..	25·6	24·6	24·1	30·1	92	..	5.8	..	5·9	0	1	21	1	0	0	1	4	6	6	4	8	0
	0830	,,	1007·0	1004·3	+0·6	27·9	25.4	24·2	30·4	81	+1	5.6	0	7·4	0	0	28	2	0	1	0	1	8	10	6	2	0
	1130	,,	1006·1	1003·4	..	31.4	26·2	23·9	29.7	65	..	4·9	..	11·1	0	4	26	4	0	0	1	2	3	13	7	0	0
	1430	,,	1003·4	1000·7	..	32·3	25.9	23·0	28·3	59	..	5·4	..	12.6	0	8	21	6	1	0	1	3	4	8	6	1	0
	1730	,,	1003.5	1000.8	..	30.5	25.8	23.7	29.3	68	..	5.9	..	8.2	0	1	26	5	0	4	0	3	2	6	7	3	0
	2030	,,	1005·9	1003.2	..	27·9	25·5	24·5	30·7	83	..	4·9	..	6·3	0	0	24	6	0	5	3	5	2	2	1	6	0
	2330	,,	1006·2	1003·5	..	26·7	25·3	24.7	31·1	89	..	4·9	..	5·0	0	0	21	3	0	2	3	6	2	5	0	9	0
Nagarjuna konda (R)	0830	126																									
(R)	1730	,,																									
Masulipatam . .	0830	3	1007·0	1006·7	−0.2	28.1	25·6	24·5	30·7	81	0	6·3	+0·9	3·7	0	0	29	3	0	0	0	7	11	4	3	1	1
	1730	,,	1003·9	1003·5	..	30·7	26·9	25·3	32.2	74	..	7·4	..	3·3	0	0	28	3	0	6	1	2	8	4	3	2	1
Ongole . . .	0830	12	1007·1	1005·8	..	30·2	26·7	25·3	32·2	75	..	4·8	..	5·3	0	0	30	6	2	0	1	0	1	12	8	0	0
	1730	,,	1003·7	1002.4	..	31·9	27.2	25.1	32·2	66	..	4·1	..	4·0	0	0	30	2	1	2	9	0	1	6	9	0	0
Nellore . . .	0530	20	1006 1	1003·9	..	26·4	24·5	23·7	29.3	85	..	6·7	..	1.9	0	0	18	0	0	0	2	0	3	8	5	12	0
	0830	,,	1007·2	1005·4	−0·1	28·7	24·8	23·0	28.3	72	+2	6.2	+0.8	7·0	0	0	29	0	1	0	0	1	5	20	2	1	0
	1130	,,	1007·0	1004·8	..	32·9	25.7	22·8	27.3	59	..	6.0	..	8·3	0	0	30	0	0	0	1	0	4	13	12	0	0
	1730	,,	1004·1	1001 9	..	31·8	26.3	23·8	29·7	64	..	6·8	..	10·0	0	0	30	0	2	1	6	0	13	2	6	0	0
	2330	,,	1006·8	1004·6	..	27·8	25·6	24.6	30.9	84	..	6·5	..	3·4	0	0	27	0	0	2	4	0	2	15	4	3	0
Telangana																											
Ramgundam . .	0830	156	1006·9	989·3	+0·8	26·4	24·3	23·4	28·6	84	+4	3.8	−1·9	1·7	0	0	12	5	1	0	0	1	1	3	1	18	0
	1730	,,	1003·2	985·9	..	31·3	24·9	21·8	26·3	59	..	4·9	..	2·8	0	0	29	8	5	0	1	0	3	6	6	1	0
Nizamabad . (R)	0830	381																									
(R)	1730																										

(R) Register not received.

Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressures in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed in km. per hour	Wind speed (km. p.h.): 62 or more	20 to 61	1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Telangana—*Contd.*																											
Hanamkonda	0830	269	1006·9	976·9	−0.3	26·3	23·8	22·7	27·5	79	+2	3·4	−1·6	2·1	0	0	30	13	0	2	0	1	0	13	1	0	0
	1730	"	1004·5	975.0	..	30·3	24·1	21·0	25·0	60	..	4·0	..	2·0	0	0	30	20	1	0	3	0	0	6	0	0	0
Hakimpet (Aerodrome)	0530	613	1006·1	938·3	..	22·5	21·3	20·8	24·6	91	..	5·6	..	12.4	0	3	24	1	1	0	0	1	3	15	6	3	0
	0830	"	1007·1	939·8	..	24.8	22·2	20·9	24·9	80	..	6.2	..	20·7	0	14	16	5	2	0	0	0	0	9	14	0	0
	1130	"	1006.1	939.6	..	28·3	23.2	20.9	24.7	65	..	6·0	..	24·2	0	20	10	8	2	0	0	0	0	5	15	0	0
	1730	"	1003·7	937·3	..	28·0	22.8	20·3	24·0	65	..	5·9	..	18·1	0	14	14	10	2	3	0	0	0	4	9	2	0
	2330	"	1006.4	939·0	..	24·2	22·0	20·9	24·9	82	..	4·7	..	5·5	0	1	19	2	1	4	2	1	3	4	3	10	0
Bhadrachalam	0830	111	1006·4	993.9	−0.1	27·3	25·1	24·1	30·0	83	−1	5·1	−1·1	2·3	0	0	28	1	18	1	0	0	0	0	8	2	0
	1730	"	1003·1	990·8	..	30·4	26·5	24·9	31·5	74	..	5·8	..	2·7	0	0	29	2	19	0	0	0	0	0	8	1	0
Hyderabad (Begampet)	0230	545	1005.5	945.3	..	23·4	21·5	20.5	24·1	84	..	5·1	..	7·5	0	4	17	1	0	0	1	1	3	11	4	9	0
	0530	"	1006.3	945.9	..	22·5	21·0	20·2	23 8	87	..	5·5	..	7·9	0	2	23	2	1	0	0	0	2	11	9	5	0
	0830	"	1007·8	947.6	+0.4	24·6	21·8	20·4	24·1	78	−2	5·6	+0.3	13·9	0	7	23	5	0	0	0	0	0	7	18	0	0
	1130	"	1006·7	947·3	..	28·3	22·8	20·2	23·8	62	..	5·6	..	16·7	0	19	11	9	2	0	0	1	5	13	0	0	0
	1730	"	1003·3	944·2	..	28·7	22·3	19·0	22.2	58	..	5·9	..	12.9	0	4	25	12	1	1	0	2	3	5	5	1	0
	2330	"	1006·9	946·7	..	24·1	22·0	21·0	25.0	84	..	4·8	..	5·3	0	2	12	0	2	0	2	0	3	2	5	16	0
Kharmnam	0830	112	1007.1	994·5	..	27·0	24·9	23·9	29·7	83	..	5·5	..	3·1	0	0	20	4	1	1	1	0	3	7	3	10	0
	1730	"	1003·4	991·0	..	30·5	25·2	22·8	27·6	65	..	6·4	..	2·4	0	0	28	10	1	4	3	1	1	3	5	2	0
Mahbubnagar	0830	505	1007.8	951·9	..	25·2	21·9	20·3	23·8	75	..	5·9	..	9·9	0	0	30	4	0	0	0	0	2	7	17	0	0
	1730	"	1003·4	948·6	..	29.6	22·8	19·5	22·8	57	..	6·3	..	5·7	0	0	30	5	5	1	0	1	1	5	12	0	0
Rayalaseema																											
Kurnool	0830	281	1008·8	977·2	+0·4	25·3	22·5	21.1	25·0	78	+3	5·5	+0.1	12·5	0	7	23	0	0	0	0	0	16	0	14	0	0
	1730	"	1003·6	972·7	..	31·0	23·3	19·2	22·4	52	..	5·0	..	8.4	0	2	27	0	0	0	0	0	7	7	12	1	3
Anantapur	0530	350	1007·4	968·1	..	24.0	22·0	20·9	24·9	83	..	5·4	..	6·0	0	1	16	0	0	0	0	0	1	13	3	13	0
	0830	"	1008·9	969·9	+0·9	25·7	22·8	21·3	25·3	77	+2	5·8	0·0	8·8	0	2	22	0	0	0	0	0	1	20	3	6	0
	1130	"	1007.5	969.0	..	29·7	23.7	20.7	24.4	59	..	5.4	..	9.9	0	1	25	1	0	1	0	0	0	15	9	4	0
	1430	"	1004·1	966·1	..	31·9	23·9	19·7	23·1	50	..	6·2	..	9·1	0	1	23	4	1	0	0	0	1	13	5	6	0
	1730	"	1003·6	965·4	..	30·9	23·5	19·6	22·8	53	..	6.3	..	10·7	0	3	25	4	5	0	0	0	0	11	8	2	0
	2030	"	1006.5	967.5	..	27·9	23·3	21·0	24.9	67	..	5·0	..	6·3	0	2	12	0	0	1	0	0	0	7	6	16	0
	2330	"	1007·8	968·8	..	26·0	22·7	20·9	24·9	75	..	4·9	..	10·6	0	6	15	0	0	0	0	0	0	15	6	9	0
Cuddapah	0830	130	1008.9	994.2	+0.1	27·4	24·0	22·4	27·1	75	+4	4·3	−1.1	2·6	0	0	17	0	0	0	0	0	0	17	0	13	0
	1730	"	1004·1	989.1	..	32·0	25·5	22·4	27·3	58	..	4·1	..	2·9	0	0	20	0	0	0	0	0	0	18	2	10	0
Arogyavaram	0830	701	1008·6	931·8	..	24·1	20·6	18·8	21·4	73	..	3·3	..	6·9	0	0	30	0	1	0	0	0	0	0	29	0	0
	1730	"	1003·8	928·5	..	28·8	21·0	16·8	18·5	49	..	4·3	..	9·7	0	0	30	5	0	0	0	0	0	1	24	0	0
Madras State (*Including Pondicherry*)																											
Madras	0830	6	1008·3	1007·6	..	28·2	25.4	24·1	30·0	79	..	5·0	..	6.0	0	1	24	0	0	0	0	0	10	13	2	5	0
	1730	"	1004·6	1003.9	..	29·9	23·3	25·2	32·1	76	..	5·0	..	5·0	0	0	24	0	1	0	13	6	3	1	0	6	0
Madras (Minambakkam)	0230	16	1006·2	1004·5	..	26·6	24·7	23·8	29·7	85	..	5·0	..	9·1	0	1	27	0	0	1	2	12	5	6	2	2	0
	0530	"	1006·5	1004·7	..	26.1	24·1	23.1	28·4	84	..	5·1	..	7·1	0	0	25	0	0	1	0	9	11	4	0	5	0
	0830	"	1008·3	1006.5	+0.1	28·1	24·8	23·2	28·6	75	+3	5·2	+0·2	9·4	0	1	26	0	0	0	0	2	13	11	1	3	0
	1130	"	1007·5	1005·7	..	31·7	25·2	22·2	26·6	58	..	5·4	..	11·0	0	1	27	0	0	0	0	0	4	23	1	2	0
	1430	"	1004·7	1003·0	..	33·5	25.4	21·4	25·6	51	..	5.6	..	10·7	0	3	26	2	0	2	1	1	7	11	5	1	0
	1730	"	1004·6	1002.9	..	30·9	26·1	23.9	29·8	67	..	5·3	..	9·7	0	0	30	0	0	9	10	4	5	2	0	0	0
	2030	"	1007·0	1005.3	..	28·1	25·5	24·4	30·5	81	..	4·3	..	8·6	0	2	21	1	0	2	9	9	1	1	0	7	0
	2330	"	1007·6	1005·9	..	27·5	25·6	24·7	31·1	85	..	4·7	..	8·9	0	1	26	0	0	1	6	14	3	3	0	3	0
Vellore	0530	214	1007·3	983·2	..	24·5	22.1	20·9	24·7	81	..	4·1	..	0·7	0	0	3	0	0	0	0	0	1	1	1	27	0
	0830	"	1008·7	984·7	+0·4	26·7	23.0	21·0	25·0	71	−2	5·0	+0·1	6·5	0	0	29	0	0	0	0	0	1	24	4	1	0
	1130	"	1007·9	984·2	..	30·8	24·4	21·3	25·3	57	..	5·2	..	7·1	0	0	30	0	0	0	0	0	6	17	7	0	0
	1730	"	1004·3	980·7	..	31·5	24·1	20·4	24·0	55	..	5·9	..	4·1	0	0	19	0	0	0	1	1	5	11	1	11	0
	2330	"	1008·1	984·0	..	26·4	23·0	21·3	25·3	75	..	4.9	..	1·1	0	0	5	0	0	0	0	0	3	0	2	25	0
Tambaram (Aerodrome)	0830	29	1008·0	1004·7	..	28·2	26·0	25·1	32·1	84	..	5·5	..	11·8	0	3	25	0	0	0	1	3	14	9	1	2	0
	1730	"	1004·7	1001·5	..	30·5	26·3	24·6	30·7	72	..	5·4	..	13.8	0	4	23	0	0	7	11	3	2	4	0	3	0
Tiruppattur	0830	390	1009·0	965·5	..	24·8	22·8	21·7	26·3	84	..	7·8	..	2·1	0	0	21	16	0	0	0	2	0	3	0	9	0
	1730	"	1004·0	961·4	..	30·2	23·1	19·4	22·4	53	..	7·7	..	5·5	0	0	29	21	0	1	0	4	0	3	0	1	0
Mettur Dam R.S.	0830	..	..	..	..	27·1	25·3	24.5	30·7	86	..	2·3	..	2.3	0	0	26	0	7	0	9	0	7	0	3	4	0
	1730	..	..	..	..	30.1	27·2	26·1	33·8	80	..	5·3	..	3·7	0	0	30	0	6	0	11	0	12	0	1	0	0
Cuddalore	0530	12	1006·6	1005.3	..	25·8	24·0	23·2	28·4	86	..	4·2	..	0·7	0	0	5	0	0	0	1	2	2	0	0	25	0
	0830	"	1008·7	1007.4	0	28.5	25.1	23.6	29·1	76	+1	4·6	0	4·5	0	0	24	0	0	0	3	2	17	1	1	6	0
	1130	"	1007·8	1006·5	..	32.7	26·5	23·8	29·5	60	..	4.4	..	6·9	0	0	30	0	0	0	8	2	18	8	0	0	0

(R) Register not received.

Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km.p.h.): 62 or more	Wind speed (km.p.h.): 20 to 61	Wind speed (km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madras State (*including Pondicherry*) —(*Contd.*)																											
Cuddalore—(*Contd.*)	1730	12	1004·9	1003·6	..	30·2	26·9	25·6	32·6	77	..	4·4	..	6·8	0	0	26	0	0	1	18	4	3	0	0	4	0
	2330	"	1008·1	1006·8	..	27·5	25.6	24·7	31·1	85	..	4·5	..	3·9	0	0	19	0	0	0	1	13	1	0	0	11	0
Kallakkurichchi	0830	127	1008·4	994·2	..	27·9	24·2	22.4	27·3	73	..	4·3	..	2·9	0	0	22	0	3	0	2	2	11	2	2	8	0
	1730	"	1004·3	990·2	..	31·2	24·6	21·2	25·5	57	..	4·7	..	5·5	0	0	28	2	3	0	8	2	11	0	2	2	0
Salem	0530	278	1007·6	976·3	..	23·9	21·9	20·9	24·7	84	..	5·1	..	2·3	0	0	15	0	0	0	0	3	3	9	0	15	0
	0830	"	1009·4	978.2	—0·1	25·8	22·7	21·1	25·0	76	—2	5·7	+1·0	0·2	0	0	1	0	0	0	0	0	0	1	0	29	0
	1130	"	1008·3	977·5	..	30·0	23.5	20·2	23·5	56	..	4·8	..	8·1	0	0	29	0	0	0	0	0	1	22	3	1	3
	1730	"	1004.2	973.8	..	31.1	23 9	20·2	23·8	53	..	6 5	..	0.9	0	0	8	0	0	0	0	1	0	5	1	22	1
	2330	"	1008.8	977.6	..	25·9	22 4	20·6	24·1	73	..	6·1	..	4·3	0	0	23	1	0	0	0	5	3	13	1	7	0
Coimbatore (Pilamedu)	0530	399	1008.5	963.7	..	22·3	21.9	21·6	25.9	96	..	4·3	..	13.1	0	2	25	0	0	0	0	16	11	0	0	3	0
	0830	"	1009·9	965·4	..	24.8	22·7	21·6	25·9	82	..	4·6	..	13·9	0	7	18	0	0	0	0	15	10	0	0	5	0
	1130	"	1008 4	964·7	..	29·8	23·9	21·0	24·7	60	..	4·6	..	17·8	0	12	15	0	0	0	1	17	8	0	0	3	1
	1730	"	1005·7	961·8	..	27·7	23·1	20·8	24·4	66	..	5·7	..	25.6	0	24	5	0	0	0	0	10	16	2	1	1	0
	2330	"	1009·5	964·8	..	23·2	22·4	22·0	26·4	93	..	4·2	..	18·9	0	13	17	0	0	0	0	16	14	0	0	0	0
Coimbatore	0830	409	1009·4	964·2	+0·2	25·4	22·2	20·1	23·5	77	—4	5·0	+1·1	9·8	0	2	28	1	0	0	0	13	14	1	1	0	0
Nagapattinam	0830	9	1009·3	1008·2	+0·2	28 4	24 1	22·0	26 6	69	—3	5·2	+1·0	9·7	0	0	29	0	0	0	0	0	11	17	1	1	0
	1730	"	1005·2	1004·1	..	31·3	26·3	24·1	30·0	66	..	5·2	..	16·1	0	8	22	0	1	13	6	8	2	0	0	0	0
Tiruchirapalli	0230	88	1007·0	997·1	..	25·9	22·8	21·1	25·3	76	..	4·5	..	14·9	0	10	15	0	0	0	0	0	2	22	1	5	0
	0530	"	1006·9	996·9	..	25·3	22·5	21·0	25·0	77	..	4·3	..	17·5	0	11	18	0	0	0	0	0	3	25	1	1	0
	0830	"	1008·7	998·8	—0·5	27·6	23.5	21·4	25·6	70	—2	4·7	+0·5	24·9	0	24	6	0	0	0	0	0	1	28	1	0	0
	1130	"	1007·9	998·1	..	31·9	24·7	21·1	25·2	53	..	4·7	..	23·9	0	22	8	0	0	0	0	0	3	21	6	0	0
	1430	"	1004·7	995·1	..	34·1	25·0	20·4	24·1	46	..	5·2	..	17·0	0	11	17	0	0	0	0	2	5	14	7	2	0
	1730	"	1004·5	994·7	..	32·0	24·2	20·1	23·8	52	..	6·1	..	15·6	0	11	16	2	3	0	2	2	3	9	6	3	0
	2030	"	1007·5	997·6	..	28·2	23·7	21·5	25·6	69	..	6 0	..	14·4	0	5	22	0	0	0	3	12	4	8	0	3	0
	2330	"	1008.6	998·6	..	26 7	23·2	21·4	25·6	74	..	5·3	..	13·5	0	7	18	10	0	0	1	1	10	11	2	5	0
Vedaranniyam	0830	4	1009 2	1008·7	..	29·6	25·3	23·3	28·6	70	..	2·4	..	2·1	0	0	30	0	1	0	8	0	20	0	1	0	0
	1730	"	1005·7	1005·2	..	29 9	25·7	23·8	29·7	71	..	2·9	..	2·1	0	0	30	0	0	0	14	0	15	0	1	0	0
Atirampattinam	0830	6	1008.7	1008·0	..	28·7	24.3	22·3	26·7	69	..	3·6	..	9·0	0	0	25	0	0	0	0	3	3	7	12	5	0
	1730	"	1005·3	1004·6	..	30·1	26·1	24·4	30·5	71	..	4·2	..	19·8	0	17	12	0	0	0	1	24	4	0	0	1	0
Madurai	0830	133	1008·5	993·6	0	27·6	22·7	20.0	23·5	64	—2	3·1	—1·7	7·9	0	0	28	1	0	0	0	0	0	1	26	2	0
Madurai (Aerodrome)	0530	131	1007.3	992·5	..	25·3	21.9	20·1	23·5	73	..	4·8	..	11·2	0	2	26	10	0	0	0	0	0	4	14	2	0
	0830		1009·1	994·3	..	28·1	22.9	20·0	23·7	62	..	4·7	..	11·1	0	1	29	6	0	0	0	0	3	4	17	0	0
	1130	"	1008·1	953·6	..	32·3	23·9	19·5	22·7	48	..	5·1	..	11·5	0	3	27	7	2	0	0	2	5	9	5	0	0
	1730	"	1004·8	990 3	..	31·9	24·0	19·9	23·2	51	..	6·0	..	16·4	0	8	21	2	1	3	8	5	1	9	0	1	0
Tondi	0830	5	1009·5	1008.7	..	28·9	24·7	22·8	27·6	70	..	3·6	..	3·7	0	0	14	2	2	0	0	2	3	3	2	16	0
	1730	"	1005·9	1005·3	..	29·9	26.6	25·3	32·2	76	..	4·6	..	29·4	0	0	30	0	0	0	12	18	0	0	0	0	0
Pamban	0830	11	1009·3	1008·0	0	28·9	25·9	24 6	30·9	78	+1	4 6	+1.7	8·0	0	0	30	0	1	2	2	10	5	7	3	0	0
	1730	"	1006·1	1004·7	..	28·8	26·3	25·3	32·2	82	..	4·0	..	17·0	0	11	19	0	0	0	14	13	3	0	0	0	0
Tuticorin	0830	4	1009·7	1009·3	+0·7	30·0	23·9	20·7	24·7	58	—1	2·5	—0·7	8·5	0	3	27	1	2	3	1	1	2	20	0	0	0
	1730	"	1005·7	1005·3	..	31·5	24·5	20·9	25·0	56	..	4·1	..	23·0	0	21	9	1	1	1	4	7	0	15	1	0	0
Palayankottai	0830	51	1009·4	1003·7	+0·6	30·3	23·1	19·3	22·4	52	—6	3·9	0	9·7	0	4	26	1	0	0	3	2	12	11	1	0	0
	1730	"	1005·6	1000·0	..	32·1	23·7	19·2	22·4	48	..	5·6	..	18·3	0	15	15	2	1	4	1	1	0	15	6	0	0
Kanniyakumari	0830	37	1009·7	1005·7	..	27·6	24·3	22·7	27·6	75	..	4·1	..	15·5	0	4	26	0	0	0	0	0	2	24	4	0	0
	1730	"	1007·0	1002·9	..	28·2	24·2	23·2	28·4	75	..	4·6	..	18·0	0	12	18	0	0	0	0	0	2	25	3	0	0
Coastal Mysore																											
Karwar	0830	4	1010·5	1010·1	+1·1	26·1	24·7	24·1	30·0	89	—1	5·1	—1·0	5·5	0	1	29	3	7	6	0	0	1	5	5	0	3
	1730	"	1007·8	1007·3	..	27·5	25.5	24·6	30·9	85	..	5·0	..	14·1	0	3	27	0	0	0	0	0	1	4	21	0	4
Honavar	0830	26	1010·6	1007·6	+0·2	25·1	24·1	23·6	29·1	91	0	6·1	—0·1	1·9	0	0	22	0	6	14	0	0	1	1	0	8	0
	1730	"	1007·8	1005·0	..	27·6	25·0	23·8	29·5	80	..	6·1	..	3·7	0	0	30	1	0	1	0	9	0	16	3	0	0
Mangalore (Bajpe)	0230	102	1009·0	997·4	..	24·1	23·4	23.0	28·3	94	..	5·7	..	1·9	0	0	7	0	2	1	0	1	0	1	2	23	0
	0530	"	1009·1	997·5	..	23·5	23·0	22·8	27·6	96	..	6·0	..	2·1	0	0	9	1	1	4	0	1	0	1	1	21	0
	0830	"	1010·7	999.2	..	25·3	24·1	23·5	28·9	89	..	5·9	..	3·3	0	0	16	0	6	7	0	0	1	1	1	14	0
	1130	"	1010.5	999·1	..	28·4	24.9	23·5	28.6	75	..	5·9	..	9.0	0	0	29	0	1	0	1	1	2	15	7	1	2
	1430	"	1008.1	996·7	..	28.8	25.1	23.3	28.9	73	..	6·2	..	14·4	0	5	25	0	0	0	0	0	2	15	13	0	0
	1730	"	1007·9	996.5	..	26.9	24.4	23·1	28.6	80	..	6.5	..	12.1	0	0	29	2	0	0	0	0	1	11	15	1	0
	2030	"	1010.0	998·5	..	25·2	24·0	23·5	28.8	90	..	5.4	..	4·6	0	0	16	0	1	0	0	0	0	3	11	14	1
	2330	"	1010·6	999·1	..	24·6	23·8	23·5	28·8	93	..	5·6	..	3·6	0	0	15	2	4	2	0	1	0	2	4	15	0
Mangalore	0830	22	1010·4	1007.9	—0·3	26·0	24.2	23.4	28.8	86	—2	5.9	+0·1	3.9	0	0	30	2	3	13	4	0	1	2	3	2	0
	1730	"	1008.5	1005·9	..	27.6	25·5	24.5	30.7	83	..	6·1	..	7·3	0	0	30	0	0	0	0	0	3	3	8	0	16

(b) Mean of 29 days.

Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km.p.h.): 62 or more	Wind speed (km.p.h.): 20 to 61	Wind speed (km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Interior Mysore (North)																											
Bidar	0830	664	1008·0	935·0	..	23·9	20·6	18·9	21·6	74	−9	4·9	+0·1	8·4	0	11	18	0	0	0	0	0	3	5	21	1	0
	1730	,,	1003·3	931·5	..	28·3	21·3	17·5	19·7	54	..	5·2	..	11·4	0	2	28	5	8	0	0	0	6	2	9	0	0
Gulbarga	0830	458	1008·5	957·6	+0.3	25·1	21·8	20·2	23·8	75	−3	6·7	+1·8	8·3	0	0	27	6	0	0	0	0	0	11	10	3	0
	1730	,,	1003·4	953·6	..	30·4	23·1	19·6	22·8	55	..	6·5	..	8·0	0	0	30	3	7	2	0	1	0	11	6	0	0
Bijapur	0830	594	1009·5	943·9	+0·9	23·3	21·3	20·5	23·8	84	+6	5·0	+0·2	3·6	0	0	30	3	0	0	0	0	2	21	4	0	0
	1730	,,	1003·4	939·7	..	30·6	22·3	17·9	20·8	48	..	6·0	..	2·4	0	0	28	6	0	1	0	1	1	13	6	2	0
Raichur	0830	400	1008·4	964·1	+0·1	25·9	22·2	20·1	23.8	71	−5	4·4	+0·3	5·9	0	0	24	0	3	0	0	0	15	1	5	6	0
	1730	,,	1008.5	960·1	..	31·3	22·5	17·4	20·0	48	..	5·7	..	7·0	0	0	30	0	8	0	4	0	5	0	13	0	0
Belgaum	0830	753	1009.7	926·7	+0·1	21·7	20·4	19·7	22·9	89	+2	5·7	−0·2	2·8	0	0	19	0	0	0	0	0	0	16	3	11	0
	1730	,,	1006.3	924·3	..	24·7	21·3	19·9	22·8	74	..	6·9	..	6·5	0	0	30	0	0	0	0	0	0	20	9	0	1
Belgaum (Samra)	0530	747	1008.7	926·0	..	20·0	19·2	18·8	21·7	93	..	5·0	..	3.6	0	0	23	1	0	0	0	0	4	17	1	7	0
	0830	,,	1009·8	927·5	..	22·2	20·4	19·5	22·8	85	..	6·0	..	5·2	0	0	28	2	1	0	0	0	3	16	6	2	0
	1130	,,	1008·	927·5	..	26·3	21·2	18·6	21·4	63	..	6·4	..	8·5	0	2	28	7	1	0	1	0	1	15	5	0	0
	1430	,,	1005·8	925·2	..	27·4	21·2	17·9	20.6	58	..	6·6	..	9·8	0	3	27	3	1	2	0	0	4	12	8	0	0
	1730	,,	1006·1	925·0	..	24·9	21·2	19·3	22·4	72	..	6.6	..	10·7	0	4	25	0	0	0	0	0	4	23	2	1	0
	2030	,,	1008.8	926·6	..	21·9	20·5	19·7	23·1	87	..	5·6	..	7·9	0	0	30	0	0	0	0	0	5	22	3	0	0
Gadag	0530	650	1008·7	936·5	..	20·7	20·2	19·9	23·2	95	..	4·2	..	8·6	0	0	28	0	0	0	0	0	3	25	0	2	0
	0830	,,	1010·2	938.2	+0·8	22·2	20·9	20·2	23.8	88	+6	5·6	+0·2	8·9	0	0	30	0	0	0	0	0	3	26	1	0	0
	1130	,,	1008·5	937.7	..	27·2	22·2	19·7	23·1	64	..	5·6	..	6.0	0	2	26	3	0	0	0	0	4	15	6	2	0
	1430	,,	1005.0	935.1	..	29.4	22.5	19·0	22.1	56	..	5.9	..	10.1	0	2	25	2	2	0	0	0	1	16	6	3	0
	1730	,,	1005.1	934.8	..	27.6	22.1	19.3	22.7	63	..	6.7	..	10.6	0	4	25	3	2	0	0	1	3	16	4	1	0
	2030	,,	1008·4	936·9	..	23·6	21·2	20·0	23·4	81	..	4·5	..	12·2	0	3	25	0	0	0	0	1	3	23	1	2	0
	2330	,,	1009·6	937·6	..	22·1	20·9	20·3	23·8	90	..	4·8	..	10·5	0	1	29	0	0	0	0	0	2	24	2	0	2
Interior Mysore South																											
Bellary	0830	449	1008.9	958.7	−0·2	24·9	21 6	19.8	23·2	73	+3	3·9	−1·1	9.5	0	0	28	1	0	0	0	0	11	7	9	2	0
	1730	,,	1004·0	955·2	..	30·7	22·7	18·3	21·0	49	..	5·0	..	11·7	0	1	29	4	0	0	0	0	11	7	8	0	0
Chitradurga	0830	733	1009·6	928·9	+0.3	22·2	20·2	19·2	22·2	83	+3	6·0	−0·2	8·6	0	0	29	0	0	0	0	0	6	23	0	1	0
	1730	,,	1004·2	925·5	..	28·3	21·3	17·6	20·2	54	..	5·2	..	9·0	0	1	27	1	0	0	0	0	2	23	2	2	0
Shimoga	0830	571	1009·8	946·4	+0.4	23·1	21·2	20·3	23·8	84	−1	6·3	−0·2	2·6	0	0	24	0	1	0	0	0	6	15	2	6	0
	1730	,,	1006·0	943·5	..	26·1	22·4	20·7	24·4	71	..	6·4	..	4·1	0	0	28	0	1	0	0	1	7	16	3	2	0
Agumbe	0830	,,	..	..	..	21·8	21·0	20·7	24·3	93	..	..	..	4·5	0	0	25	0	11	1	0	0	9	2	2	5	0
Balehonnur	0830	,,	..	..	..	21·1	19·8	19·1	22·1	89	−4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hassan	0830	960	1503·5	905·6	..	20·4	19·1	18·5	22·1	87	+5	5·8	0	4·0	0	0	30	0	0	0	0	0	11	19	0	0	0
	1730	,,	1482 0	902·5	..	24·4	20·5	18·7	21·3	70	..	6·8	..	3·9	0	0	30	2	2	0	0	0	6	20	0	0	0
Bangalore	0230	921	1490·7	908·3	..	20·6	19·4	18·7	21·7	89	..	4·1	..	6·2	0	0	25	0	0	0	0	0	3	18	4	5	0
	0830	,,	1504·5	909·6	+0·5	21·3	19·7	18·7	21·8	85	+1	6·0	−0·6	9·6	0	1	28	5	0	0	0	0	0	8	16	1	0
	1130	,,	1510·0	909·3	..	25·7	20·7	18·1	20·8	64	..	6·1	..	12·5	0	3	26	2	0	0	0	0	2	13	12	1	0
	1430	,,	1494·6	907.3	..	27·8	21·1	17·5	20·1	55	..	6·4	..	11·7	0	4	25	3	0	0	0	0	1	13	12	1	0
	1730	,,	1487·6	906·7	..	27·1	20·6	16 9	19·5	54	.	6·0	..	8·9	0	1	28	5	0	0	0	0	0	8	16	1	0
	2030	,,	1498·9	908·5	..	23·9	20·0	17·8	20·5	70	..	4·9	..	4·9	0	1	15	1	1	0	0	0	2	10	2	14	0
Bangalore (Aerodrome)	0530	897	1482·8	910·2	..	19·9	19·3	18·9	22·0	94	..	5·7	..	11·1	0	1	29	0	0	0	0	0	1	28	1	0	0
	0830	,,	1501·9	911·9	..	21·7	19·9	19 0	22·0	85	..	5·9	..	13·4	0	2	28	0	0	0	0	0	3	25	2	0	0
	1130	,,	1505·3	911·4	..	25·6	20·7	18 1	20·8	64	..	5·9	..	15·2	0	2	28	2	0	0	0	0	1	24	3	0	0
	1730	,,	1481·8	908·4	..	27·3	20·7	17·0	19·5	55	..	5·8	..	11·9	0	2	27	3	0	0	1	0	2	18	5	1	0
	2330	,,	1498·7	911·4	..	22·3	20·3	19·3	22·4	84	..	5·2	..	10·0	0	2	23	1	0	0	0	0	3	19	2	5	0
Mysore	0830	767	1010·6	926·1	+0·4	21·8	19 7	18·5	21·3	81	+2	3·7	−2.1	5·9	0	0	30	4	2	0	1	12	6	1	4	0	0
	1730	,,	1005·0	922·9	..	25·5	20 9	18·3	21·3	67	..	4·9	..	7·7	0	1	29	0	3	1		2	11	9	3	0	0
Kerala																											
Calicut	0530	5	1009·4	1008·8	..	24·6	23·8	23·3	28·8	93	..	4·7	..	2·1	0	0	15	5	3	4	0	0	0	1	2	15	0
	0830	,,	1011·0	1010·4	+0·2	26·1	24·4	23·7	29·1	87	−1	4·7	−0·7	3·3	0	1	16	1	1	1	0	0	1	2	11	13	0
	1130	,,	1010·9	1010·3	..	28·3	25·5	24·3	30·4	79	..	4·7	..	7·6	0	0	30	0	1	0	0	2	1	14	12	0	0
	1730	,,	1008·8	1008·2	..	27·5	25·3	24·2	30·4	82	..	5·7	..	7·7	0	0	29	0	0	1	0	0	1	16	11	1	0
	2330	,,	1011·1	1010·5	..	25·5	24·4	23·8	29·7	91	..	3·6	..	3·3	0	1	16	7	2	0	0	0	0	2	6	13	0
Palghat	0830	97	1010·9	999·8	.	25·8	24·0	23·1	28·4	85	..	5·0	..	10·0	0	0	29	0	0	0	0	0	0	29	0	1	0
	1730	,,	1007·5	996·5	..	27·5	24·0	24·4	26·9	74	..	6·2	..	10·5	0	0	30	0	0	1	0	0	0	29	0	0	0
Fort Cochin	0830	3	1011·0	1010·7	−0·2	26·6	24·8	24·0	29·8	86	+2	7·2	+2·1	5·7	0	0	27	5	8	6	0	0	1	4	3	3	0
	1730	,,	1008·5	1008·2	..	27·2	25·2	24·3	30·4	84	..	6·8	..	8·9	0	0	30	2	0	0	0	0	1	11	16	0	0
Cochin (Naval Air Station)	0230	3	1009·6	1009·3	..	24·8	23·9	23·5	29·6	93	..	6·0	..	2·1	0	0	10	2	1	1	0	0	0	1	5	20	0
	0530	,,	1009·6	1009·3	..	24 2	23·6	23·3	28·6	95	..	5·6	..	1·3	0	0	6	0	2	0	0	0	0	0	4	24	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level.	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km. p.h.): 62 or more	Wind speed (km. p.h.): 20 to 61	Wind speed (km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Kerala—(*Contd.*)																											
Cochin Naval Air Station—*Contd.*	0830	3	1011·2	1010.8	..	26·6	24·7	23·8	29·5	86	..	5·8	..	2·6	0	0	17	3	5	4	0	0	1	0	4	13	0
	1130	,,	1011·3	1010.9	..	28 8	25·2	23·6	29·1	73	..	5·5	..	13.3	0	0	29	1	0	0	0	0	4	16	8	1	0
	1730	,,	1008·5	1008·2	..	27·8	24·9	23·6	28·9	78	..	6·4	..	12·6	0	0	28	0	0	0	0	2	2	14	10	2	0
	2330	,,	1011·4	1011·1	..	25·5	24·3	23·7	29·4	90	..	5·8	..	3·7	0	0	15	1	0	2	0	0	1	0	11	15	0
Alleppey	0830	4	1011·1	1010·7	+0.4	26·6	24·9	24·2	30·0	87	0	5·8	−0·5	4·5	0	0	29	2	14	4	1	0	0	2	6	1	0
	1730	,,	1008·3	1007·9	..	27·9	25·3	24·2	30·0	80	..	6·1	..	16·6	0	13	17	2	0	0	0	0	0	6	22	0	0
Punalur	0830	34	1011·2	1007·4	..	24·5	23·7	23·4	28·6	93	..	5·9	..	0	0	0	0	0	0	0	0	0	0	0	0	30	0
	1730	,,	1009·9	1004·2	..	29·0	24·9	23·3	28·3	74	..	7·0	..	4·7	0	0	30	0	0	0	0	0	0	15	14	0	0
Trivandrum	0230	64	1009·3	1002·0	..	24·5	23·6	23·1	28·3	92	..	4·4	..	3·5	0	0	14	3	0	0	0	0	0	0	11	16	0
	0530	,,	1009·4	1002·0	..	24·0	23·3	22·9	27·9	93	..	3·8	..	3·6	0	0	21	7	1	0	0	0	0	0	13	9	0
	0830	,,	1011·2	1003·9	+0·3	26·0	24·0	23·0	28·3	84	+1	4·9	−0·5	5·8	0	0	29	7	1	0	0	0	0	2	19	1	0
	1130	,,	1010·5	1003·3	..	29·1	24·8	22·6	27·9	67	..	5·8	..	9·3	0	0	30	2	0	0	0	0	0	4	24	0	0
	1430	,,	1008·1	1000·9	..	29·7	24·7	22·4	26·9	65	..	5·5	..	11·5	0	2	28	2	0	0	0	0	0	6	22	0	0
	1730	,,	1008·2	1001·0	..	27·8	24·5	23·0	28·1	75	..	5·7	..	10·5	0	0	30	1	0	0	0	0	0	4	25	0	0
	2030	,,	1010·5	1003·2	..	25·9	24·2	23·4	28·9	86	..	4·1	..	6·6	0	0	29	3	0	0	0	0	0	3	23	1	0
	2330	,,	1011·1	1003·8	..	25·1	23·9	23·3	28·6	91	..	4·6	..	7.1	0	0	27	10	1	0	0	0	0	1	15	3	0
Trivandrum (Aerodrome)	0830	8	1011·4	1010·5	..	27·1	24·2	22·9	27·9	78	..	5·2	..	22.3	0	23	6	19	1	0	0	0	0	0	9	1	0
Arabian Sea Islands																											
Amini	1130	4	1010.9	1010.5	..	29·2	26·6	25·5	32·6	81	..	4·8	..	23·7	0	6	23	3	0	0	0	0	0	9	17	1	0
	1730	,,	1008.1	1007.7	..	28·6	26·3	25·4	32·2	83	..	5·7	..	28·9	0	26	4	1	0	0	0	0	0	7	22	0	0
	2330	,,	1010.6	1010.1	..	27·1	25·8	25·1	32·2	87	..	4·2	..	23·5	0	22	8	1	0	0	0	0	0	5	24	0	0
Agathi	0830	4	1010.6	1010.1	..	27·3	25·1	24·1	30·0	83	..	6·2	..	18 7	0	15	15	0	0	0	0	0	0	9	21	0	0
	1730	,,	1008.9	1008.4	..	28.1	25.4	24·3	30·4	80	..	6.0	..	20·0	0	20	10	0	0	0	0	0	0	6	24	0	0
Androth	0830	5	1011·0	1010.5	..	27.3	26.1	25.9	32.8	90	..	4.9	..	7·7	0	0	28	2	0	0	0	0	0	3	17	2	6
	1730	,,	1008·8	1008·3	..	27·8	26·7	26·2	34·2	91	..	5.3	..	9·3	0	0	30	1	0	0	0	0	0	6	23	0	0
Minicoy	0530	2	1010·0	1009·8	..	26·6	24·6	23·7	29·3	85	..	3·6	..	8·1	0	3	23	0	0	0	0	0	0	20	6	4	0
	0830	,,	1011.8	1011.6	+0.5	27·6	25.1	24.0	29.8	81	+2	4·7	+0·5	8·3	0	1	26	1	0	0	0	0	0	17	9	3	0
	1130	,,	1012.0	1011.8	..	28·9	25·7	24·4	30 4	77	..	4·8	..	10·5	0	1	29	2	0	0	0	0	0	22	6	0	0
	1430	,,	1009·8	1009.6	..	28·9	25·8	24·5	30·7	77	..	4·6	..	12·7	0	7	23	1	0	0	0	1	0	21	7	0	0
	1730	,,	1009.3	1009.1	..	28.0	25.3	24.1	30.0	80	..	5.1	..	12.1	0	1	29	0	0	0	0	0	0	22	8	0	0
	2030	,,	1011·0	1010·8	..	27·1	24·8	23·7	29·3	82	..	3·9	..	11·2	0	3	25	1	0	0	0	0	0	23	4	2	0
	2330	,,	1011·8	1011.6	..	27·0	24.8	23.8	29·5	83	..	4·5	..	12·3	0	3	27	1	0	0	0	0	0	19	10	0	0
Hill Stations (excluding Kashmir)																											
Dalhousie	0830	1959	1431·1	799·1	+0.9	17.6	15·8	14·7	16.7	83	−1	0·7	−1.8	0·7	0	0	5	0	0	3	0	0	0	0	0	25	0
	1730	,,	1419·1	799·0	..	20·1	18.1	17·3	19·7	86	..	0.8	..	0·6	0	0	4	0	2	0	0	0	0	0	0	26	0
Dharmsala	0830	1211	..	..	..	17·6	18.7	15.6	17.7	60	−13	2.5	−1.0	10	0	0	15	3	3	2	1	1	2	2	1	15	0
	1730	,,	..	..	..	24·1	20.5	17.7	20.2	64	..	4.4	..	2.0	0	0	29	0	2	1	0	2	17	4	3	1	0
Simla	0830	2202	1473.6	781.1	+0·1	25.4	14.7	13·2	15·1	79	+8	2·9	..	0·1	0	0	2	1	1	0	0	0	0	0	0	28	0
	1730	,,	1465.0	780.5	..	17·0	16·1	15·5	17·6	86	..	4·0	−0.7	0	0	0	0	0	0	0	0	0	0	0	0	30	0
Lokpal	0830	..	..	..	..	17·5	4·2	2·5	7·3	78	..	2·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Badrinath (R)	0830	..	..	..	..	5·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Joshimath	0830	..	..	..	..	17·6	14·2	11·8	13·8	69	..	2·1	..	2·3	0	0	19	0	10	7	1	0	0	1	0	11	0
	1730	..	..	..	..	21.0	15.7	12.2	14.2	59	..	5·3	..	2·7	0	0	25	0	6	2	2	1	8	3	3	5	0
Mussoorie	0830	2042	1471.1	795.6	−0·7	17·4	14.8	13·4	15 2	76	−12	3·6	−1·2	0·5	0	0	7	1	0	0	2	3	1	0	0	12	0
	1730	,,	1458·5	794·5	..	17·6	16·3	15.6	17·5	89	..	5·7	..	2·1	0	0	22	1	1	0	5	10	5	0	0	8	0
Mukteswar (Kumaun)	0830	2311	1337·1	772·4	+0.3	15·6	13·2	11·3	13·4	78	−3	3·5	−0.8	5.5	0	0	20	0	2	3	1	0	2	6	6	10	0
	1730	,,	1324·8	770.7	..	17·6	15.5	14·3	16·3	78	..	4·0	..	10·1	0	3	24	0	0	0	1	1	6	15	4	3	0
Nainital	0830	1953	1470.1	804.0	+0·7	18·3	14.1	10.9	13·0	64	−15	3·3	−1·4	6·7	0	0	25	1	11	4	5	0	0	2	2	5	0
	1730	,,	1404.1	801.1	..	18·3	15·3	13·3	15·3	74	..	3·2	..	7·5	0	0	30	2	0	4	4	1	2	17	0	0	0
Kalimpong	0830	1209	..	..	..	22·9	19·8	18·1	20·8	76	−13	2·0	−3·7	7·4	0	0	30	0	3	0	11	0	2	0	14	0	0
	1730	,,	..	..	..	23.3	20·2	18·5	21·3	75	..	2·5	..	6·3	0	0	30	0	2	0	24	0	1	0	3	0	0
Darjeeling	0830	2128	1509.3	791.2	+2.4	16·4	15·6	14·9	16·9	89	+5	6·9	+0.5	1·1	0	0	9	5	1	0	0	0	3	0	0	21	0
	1730	,,	1483·7	788·9	..	20·5	15·5	15·0	17·0	94	..	7·2	..	1.3	0	0	9	1	0	0	0	0	0	0	0	21	0
Kohima	0830	1406	1532·7	862·6	..	20·9	19·7	19·3	22·4	92	..	7.6	..	2·0	0	0	30	0	0	0	1	0	0	29	0	0	0
	1730	,,	1493·8	858·7	..	20.9	20·0	19·5	22·7	92	..	7·8	..	2·0	0	0	30	1	0	0	2	0	1	26	1	0	0
Shillong	0830	1500	1505·2	850·7	+1.9	20.9	19·1	18.1	20.8	84	+5	7.6 (b)	+2.0	0 (b)	0	0	0	0	0	0	0	0	0	0	0	30	0
	1730	,,	1485.1	848.7	..	20.6	19.5	18·9	21·8	8·8	..	7.6	..	0.4	..	..	1	0	0	0	0	0	1	0	0	29	0

(b) Means of 29 days.

(R) Register not received.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew Point	Vapour pressure in mb.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hill Station excluding Kashmir—(*Contd.*)																											
Cherrapunji (R)	0830	1313																									
(R)	1730	..																									
Abu	0830	1195	1481·1	878·9	+0·2	20·3	17·6	15·9	18·1	76	−4	2·8	−1·6	1·1	0	0	11	0	0	0	0	5	6	0	0	19	0
	1730	,,	1480·1	878·4	..	23·5	19·7	17·1	19·5	70	..	3·1	..	1·7	0	0	14	0	0	0	0	7	7	0	0	16	0
Aijal	0830	..	..	..	..	22·8	21·3	20·5	24·1	84	..	6·1	..	3·4	0	0	30	3	0	14	0	4	0	9	0	0	0
	1730	..	..	..	..	22·6	21·4	20·8	24·6	87	..	7·0	..	3·3	0	0	30	11	0	4	0	8	0	7	0	0	0
Pachmarhi	0830	1075	1488·5	891·7	+0.7	21·6	19·2	17·8	20·5	80	−3	4·4	−0·8	4·3	0	2	29	1	3	1	0	1	0	6	17	1	0
	1750	,,	1468·8	889·4	..	24.1	20·0	17·7	20·4	70	..	5.7	..	4·0	0	0	29	1	4	0	0	0	0	10	14	1	0
Mahabaleshwar	0830	1382	1500.3	862.0	+0·6	17·7	17·0	16·5	18·8	93	−4	6·4	−0·6	10·7	0	0	30	2	8	0	0	0	8	1	11	0	0
	1730	,,	1482·7	860·2	..	19·4	18·8	18·4	21·3	95	..	7·5	..	11·0	0	0	30	1	1	0	0	0	6	0	22	0	0
Mercara	0830	1152	1503·1	885·7	+0·7	18·8	18·0	17·5	20·0	92	0	4·1	−2·3	11·5	0	0	30	0	0	1	0	0	0	29	0	0	0
	1730	,,	1485·6	883·7	..	20·5	19·2	18·5	21·3	85	..	6·6	..	7·0	0	4	26	0	0	0	0	0	0	22	6	0	2
Ootacamund	0830	2249	1505·5	779·0	+0·2	13·4	12·1	11·3	13·2	86	+3	3·3	−2·4	2·2	0	0	19	1	0	0	0	0	2	16	0	11	0
	1730	,,	1477·7	777·3	..	15·5	13·6	12·4	13·3	82	..	5·8	..	1·9	0	0	14	2	0	0	0	0	1	11	0	16	0
Coonoor (R)	0830																										
Kodaikanal	0830	2343	3151·5	771·2	+0·9	14.4	12.1	10.2	12.5	77	+1	5.1	+0·6	7·7	0	0	24	5	1	0	2	2	0.	3	13	4	0
	1130	,,	3158·7	771·2	..	16·9	14·9	12·0	14.1	73	..	6.6	..	7.7	0	0	28	3	3	1	4	2	0	2	14	1	0
	1730	,,	3131·5	769·3	..	14·6	13·5	12·7	14·7	89	..	7·1	..	5·9	0	2	28	4	3	1	5	1	0	3	11	2	0
Nepal Katmandu	0830	1324	1480.9	865·7	..	20.8	19.2	18.3	21.1	85	..	5.7	..	0.7	0	1	6	1	2	3	0	0	0	0	0	24	0
	1130	,,	1475.8	865.0	..	25.1	20.4	18.0	20.7	65	..	5.3	..	1.4	0	0	12	1	1	4	4	2	0	0	0	18	0
	1730	,,	1455.0	863.0	..	23.0	20.3	18.9	22.0	78	..	5.1	..	0.8	0	0	7	3	1	0	1	1	0	1	0	23	0
Sikkim Lachen	0830	..	..	..	..	13.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hydrometeorological Observatories																											
Damodar Catchment Tilaiya	0830	..	..	..	..	27·0	23.9	22·4	27·1	76	..	4.2	..	8.7	0	2	25	0	0	8	6	1	1	9	2	3	0
	1730	..	..	..	..	28·1	24·1	22·1	26·6	71	..	4·9	..	7.2	0	0	27	0	1	8	2	0	0	10	6	3	0
Hazaribagh	0830	615	1005·0	937·4	..	24·7	22·9	22·1	26·6	87	..	4·3	..	5.7	0	0	20	0	1	7	1	1	1	3	6	10	0
	1730	,,	1002·4	934·9	..	25·4	23·4	22·5	27·3	85	..	4·8	..	4.8	0	0	22	1	0	10	1	1	1	3	5	8	0
Konar	0830	..	..	..	..	23.5	21.6	20.6	24.3	84	..	1.3	..	4.4	0	0	30	0	0	2	7	0	0	19	2	0	0
	1730	..	..	..	..	24.4	23.3	22.7	27·6	90	..	0.7	..	3·6	0	0	30	0	0	5	5	0	0	15	5	0	0
Bokaro	0830	242	1004·4	977·5	..	27·8	25·1	23·9	29·7	80	..	4·4	..	4·0	0	0	22	0	2	6	4	1	2	4	3	8	0
	1730	,,	1001·7	974·9	..	28.2	25·3	24·1	30·0	80	..	4·3	..	4·2	0	0	20	3	6	5	3	0	0	1	2	10	0
Maithon	0830	..	..	..	..	29·3	25·7	24·1	30·0	74	..	5·2	..	3·8	0	0	30	1	0	1	13	0	14	0	1	0	0
	1730	..	..	..	..	30.5	26·2	24·3	30·4	71	..	5·1	..	3·6	0	0	30	1	1	1	18	1	8	0	0	0	0
Ramgarh	0830	..	..	..	..	26·7	24·2	23·1	28·3	81	..	5·1	..	5·5	0	0	30	6	0	5	6	2	4	6	1	0	0
	1730	..	..	..	..	27.8	24.6	23·1	28·3	77	..	5·4	..	4·9	0	0	30	3	0	7	4	3	4	7	2	0	0
Panchet Hills	0830	..	..	..	..	28·4	25·6	24·4	30·5	80	..	4·4	..	5·3	0	0	24	0	3	0	7	0	12	0	2	6	0
	1730	..	..	..	..	28·7	25·6	24·4	30·5	78	..	4·5	..	4·0	0	0	19	0	4	0	11	0	4	0	0	11	0
Durgapur	0830	..	..	..	..	28·4	26·0	25·0	31·7	82	..	6·5	..	7·2	0	0	30	2	0	3	8	8	1	4	4	0	0
	1730	..	..	..	..	28·8	26·2	25·1	31·7	79	..	7·2	..	6·8	0	1	29	1	1	4	9	8	1	4	2	0	0
Mahanadi Catchment Ginabahar	0830	..	..	..	..	26·1	23·3	22·1	26·5	79	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hirakud	0830	159	1005·6	987·8	..	28·1	25·5	24·4	30·5	80	..	3·8	..	2·1	0	0	21	1	1	7	0	2	4	6	0	9	0
	1130	..	1004·9	987·2	..	30·3	26·1	24·3	30·4	70	..	3·5	..	2·8	0	0	29	1	1	5	0	1	4	9	6	1	2
	1730	..	1002·2	984·5	..	29·6	25·5	23·7	29·3	72	..	4·3	..	1·7	0	0	19	1	0	3	0	2	3	8	2	11	0
Bhimkund	0830	..	..	..	..	27·6	24·9	23·7	29·3	80	..	4·8	..	1·3	0	0	14	0	0	1	3	0	6	0	4	16	0
	1730	..	..	..	..	26·9	24·6	23·6	29·1	82	..	5·5	..	0.6	0	0	8	0	0	0	2	0	4	0	2	22	0
Sonepur	0830	..	..	..	..	28·2	26·2	25·4	32·4	84	..	..	..	7·7	0	1	25	3	0	6	0	9	0	8	0	4	0
Khijarwan	0830	..	..	..	..	25·8	23·6	22·5	27·2	83	..	7·4	..	7·8	0	0	30	1	3	1	4	4	13	1	3	0	0
	1730	..	..	..	..	28·2	23·8	21·6	25·8	68	..	6·9	..	7.5	0	0	30	3	5	0	0	4	6	4	8	0	0
Narmada Catchment Bagra Tawa	0830	..	..	..	..	25·2	22·8	21·5	25·8	81	..	3·7	..	9·9	0	0	27	0	0	0	2	0	23	1	1	3	0
	1730	..	..	..	..	28·9	23·8	21·1	25·1	66	..	4·6	..	6·5	0	0	21	0	0	2	3	1	8	4	3	9	0
Punasa	0830	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thikri	0830	..	..	..	..	27·4	21·2	17·4	20·1	55	..	3·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sabarmati Catchment Daroi	0830	..	..	..	..	26·4	23.5	22·0	26·6	78	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	31·8	24·8	21·3	25·5	53	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gandak Catchment Jomosom	0830	..	..	...	...	17·7	13·5	10·9	13·2	66	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	16·5	13·4	11·5	13.8	73	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

(R) Data not received.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hydrometeorological Observatories—*Contd*																											
Gandak Catchment—*Contd.*																											
Khudi Bazar	0830	..	..	..	..	23·3	20·5	19.1	22·3	78	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	24·8	22·3	21·2	25·3	81	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Timure	0830	..	..	..	..	18·0	15·9	14·7	16·9	81	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	20·6	17·9	16·4	18·8	77	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pokhara	0830	..	..	..	..	23·6	21·3	20·1	23·6	81	..	4·8	..	2·2	0	0	17	4	1	1	4	6	1	0	0	13	0
	1130	..	..	..	..	26·6	22·4	20·4	24·1	69	..	4·4	..	5·8	0	0	25	0	0	1	16	7	0	1	0	5	0
	1730	..	..	..	..	24·9	22·3	21·1	25·2	80	..	5·1	..	3.3	0	0	20	3	1	1	8	2	1	0	4	10	0
Gorkha	0830	..	..	..	..	21·5	20·7	20·2	23·7	93	..	6·4	..	..	..	..	..	*0	1	0	2	5	6	1	3	12	0
	1130	..	..	..	..	24·5	22.0	20·8	24·7	80	..	4·7	..	..	..	..	..	*2	0	0	3	6	12	4	2	1	0
	1730	..	..	..	..	23·3	21·2	20·1	23·7	83	..	3·0	..	..	..	..	..	*5	0	0	1	2	3	2	8	9	0
Nuwakot	0330	..	..	..	..	23·3	21·9	21·3	25·5	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	24·1	21·6	20·3	24·1	81	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghaghara Catchment (Trans Himalayan Region)																											
Dailekh	0830	..	..	..	..	21·4	20·1	19·4	22·6	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	22·5	21·1	20·4	24·0	88	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gheghar Catchment																											
Dadeldhura	0830	..	..	..	..	18·4	16·6	15·5	17·8	84	..	3·5	..	3·5	0	0	26	7	0	5	5	2	1	3	3	4	0
	1130	..	..	..	..	21·4	18·1	16·3	18·8	74	..	3·8	..	4·3	0	0	27	8	2	1	0	0	1	4	11	3	0
	1730	..	..	..	..	19·2	17·3	16·3	18·7	84	..	3·4	..	3·9	0	0	28	7	0	1	1	3	2	1	13	2	0
Sallyana	0830	..	..	..	..	21·9	19·4	17·9	20·8	79	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	21·5	19·4	18·2	21·0	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Butwal	0830	..	..	..	..	27·8	24·3	23·3	28.8	77	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	28·4	25·9	24·8	31·3	81	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Baghmati Catchment																											
Katmandu†	0830	1324																									
	1130	,,																									
	1730	,,																									
Kosi Catchment																											
Chautara	0830	..	..	..	..	19·9	18·9	18·4	21·2	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	21·9	19·6	18·5	21·5	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Walungchung Gola	0830	..	..	..	..	11·5	10·4	9·7	12·1	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	10·9	10·6	10·4	12·7	97	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taplethok	0830	..	..	..	..	20·9	18·9	17·7	20·5	83	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	21·1	19·1	18·0	20·7	83	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bhojpur	0830	..	..	..	..	20·3	18·6	17·8	20·5	86	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	18·9	18·4	18·2	21·0	96	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taplejung	0830	..	..	..	..	18·7	17·2	16·3	18·7	87	..	6·4	..	1·8	0	0	15	2	2	1	2	0	0	4	4	15	0
	1130	..	..	..	..	21·5	18·9	17·6	20·3	79	..	6·0	..	3·8	0	0	23	4	0	1	1	3	2	5	7	7	0
	1730	..	..	..	..	19·3	17·4	16·4	18·7	84	..	6·2	..	6·4	0	1	18	2	3	1	4	8	0	0	1	11	0
Okhaldhunga	0830	..	..	..	..	18·7	17·5	16.8	19·3	89	..	5·4	..	0·3	0	0	3	0	0	0	2	0	0	0	1	27	0
	1130	..	..	..	..	21·0	18·8	17·7	20·3	82	..	5.5	..	1·0	0	0	9	0	0	1	0	1	3	3	1	21	0
	1730	..	..	..	..	18·4	17·6	17·1	19·6	93	..	6·3	..	3·0	0	0	21	0	0	1	1	1	3	12	3	9	0
Chainpur	0830	..	..	..	..	21·5	20·0	19·3	22·4	88	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	22·4	21·0	20·2	23.7	87	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Angbung@	0830	,,																									
	1730	,,																									
Barahakshetra	0830	146	1006·7	990.2	..	26·1	24·3	23·5	29·1	86	..	5·1	..	2·1	0	0	18	0	2	0	3	2	5	1	4	12	1
	1130	,,	1005.7	989·4	..	28·5	25·5	24·1	30·0	77	..	6·0	..	3·5	0	0	23	1	0	1	1	0	15	5	0	7	0
	1730	,,	1003·3	986·9	..	27·3	25·5	24·5	31·3	86	..	5·8	..	1·1	0	0	7	0	1	1	0	0	3	1	0	23	1
Tista Catchment																											
Gangtok	0830	1812	1484.9	818·4	..	17·8	16·7	16·2	18.5	91	..	6·8	..	1·5	0	0	9	2	5	1	0	1	0	0	0	21	0
	1130	,,	1476·9	818·0	..	20·2	18·5	17·7	20.2	86	..	6·7	..	1·4	0	0	13	0	3	0	2	3	4	1	0	17	0
	1730	,,	1456·8	816·1	..	19·2	17·6	16·8	19·2	86	..	6·9	..	1·0	0	0	7	2	1	0	1	4	0	0	0	23	0
Gezing	0830	..	..	..	..	19·3	18·7	18·4	21.3	95	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	20·2	19·0	18·5	21·3	90	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

*Estimated.

†Data included under 'Nepal'.

@Data not available for less than 15 days hence no means published.

MONTHLY MEANS OF UPPER WINDS

September, 1965 (*Bhadra* 10—*Asvina* 8, 1887 *Saka*)

During the month, observations of velocity and direction of upper winds were made at 54 stations in India. Out of these, at 39 stations all the observations were taken by means of pilot balloons and at 14 stations some observations were made by means of pilot balloons while the other observations by the radiowind method. In the case of Bangalore, the observations were taken by following radiosonde balloon by means of an optical theodolite. Particulars of these stations, their co-ordinates and the approximate times of the regular pilot balloon and rawin ascents at each station are given in the table overleaf. All radiowind ascents have been indicated by means of an asterisk (*) against the scheduled hours.

Data from ascents made at the scheduled time or within two hours on either side of the scheduled times of regular observations have been used for averaging.

Data upto 9.0 km. a.m.s.l. are given under Table IV and data above 9.0 km. a.m.s.l. under Table V.

In Tables IV and V :

n—represents the number of observations;

V—represents the mean wind speed in metres per second irrespective of direction;

v—represents the resultant mean velocity in metres per second;

D—represents the direction of the resultant mean wind in degrees East of North.

Means and resultant winds are given in this publication for the following heights :

Surface, 0.15 km. a.g., 0.3, 0.6, 0.9, 1.5, 2.1, 3.0, 3.6, 4.5, 5.4, 6.0, 7.2, 9.0, 10.5, 12.0, 14.1, 16.2, 18.0, 21.0, 24.0, 27.0, 30.0, 33.0 and 36.0 km. a.m.s.l. Of these, the levels 1.5, 3.0, 5.4, 7.2, 9.0, 12.0, 14.1, 16.2, 18.0, 21.0, 24.0, 27·0 and 30.0 km. a.m.s.l. are considered as the best approximations to the standard pressure levels 850, 700, 500, 400, 300, 200, 150, 100, 70, 50, 30, 20 & 10 mb. respectively.

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS IN INDIA

S. No.	Station	Lat. N	Long. E	Height of Anemometer head a.m.s.l. in metres	**Date of opening	Approximate times of flight (IST)			
1.	Agartala	23°53′	91°15′	17	28th Nov. 1951	0530		1730	2330
2.	Ahmadabad	23°04′	72°38′	61	19th May 1928	0530*	1130	1730*	2330
3.	Allahabad/Bamhrauli	25°27′	81°44′	103	28th Feb. 1930	0530*	1130	1730*	2330
4.	Ambala	30°23′	76°46′	279	18th Mar. 1928	0530	1130	1730	2330
5.	Anantapur	14°41′	77°37′	365	12th Feb. 1946	0530		1730	2330
6.	Asansol	23°41′	86°59′	135	29th May 1942	0530		1730	2330
7.	Aurangabad/Chikalthan	19°51′	75°24′	583	7th Oct. 1951	0530		1730	2330
8.	Bahraich	27°34′	81°36′	134	1st Oct. 1961	0530	1130	1730	
9.	Bangalore	12°58′	77°35′	936	19th May 1915	0530@	1130	1730@	2330
10.	Bareilly	28°22′	79°24′	181	12th Jan. 1943	0530		1730	
11.	Begampet	17°27′	78°28′	543	1st Sep. 1929	0530		1730	2330
12.	Bhagalpur	25°14′	86°57′	61	19th May 1950	0530		1730	
13.	Bhopal/Bairagarh	23°17′	77°21′	532	26th Feb. 1943	0530		1730	2330
14.	Bhubaneshwar	20°15′	85°50′	54	7th Dec. 1955	0530		1730	2330
15.	Bhuj/Rudramata	23°15′	69°48′	90	14th Sep. 1937	0530		1730	2330
16.	Bikaner	28°00′	73°18′	229	18th Oct. 1946	0530		1730	2330
17.	Bombay/Santa Cruz	19°07′	72°51′	27	14th May 1933	0530*	1130	1730*	2330
18.	Calcutta/Dum Dum	22°39′	88°27′	13	14th May 1921	0530*	1130	1730*	2330
19	Cochin/Willingdon†	09°56′	76°14′	13	16th Mar. 1942	0530		1730	2330
20.	Dehra Dun	30°19′	78°02′	692	1st Oct. 1958	0530		1730	
21.	Dibrugarh/Mohanbari	27°29′	95°01′	112	1st June 1948	0530	1130	1730	2330
22.	Gadag	15°25′	75°38′	650	3rd May 1943	0530		1730	2330
23.	Gangtok	27°20′	88°37′	1764	31st May 1963	0830		1730	
24.	Gauhati	26°05′	91°43′	55	11th Mar. 1955	0530*	1130	1730*	2330
25.	Gaya	24°45′	84°57′	119	19th Mar. 1937	0530		1730	2330
26.	Goa/Dabolim	15°23′	73°49′	23	1st July 1965	0530		1730	2330
27.	Gopalpur	19°16′	84°53′	24	15th Feb. 1946	0530		1730	2330
28.	Gorakhpur	26°45′	83°25′	83	5th Jan. 1943	0530		1730	
29.	Gwalior	26°14′	78°15′	208	7th May 1938	0530	1130	1730	2330
30.	Imphal/Tulihal	24°46′	93°54′	782	29th Mar. 1943	0530	1130	1730	2330
31.	Jabalpur	23°10′	79°57′	402	30th July 1928	0530		1730	2330
32.	Jagdalpur	19°05′	82°02′	562	25th Mar. 1948	0530		1730	2330
33.	Jaipur/Sanganer	26°49′	75°48′	403	6th June 1953	0530		1730	2330
34.	Jamshedpur	22°49′	86°11′	144	23rd July 1942	0530		1730	
35.	Jharsuguda	21°55′	84°05′	240	1st May 1944	0530		1730	2330
36.	Jodhpur	26°18′	73°01′	229	15th Oct. 1934	0530*	1130	1730*	2330
37.	Lucknow/Amausi	26°45′	80°53′	133	20th Nov. 1950	0530		1730	2330
38.	Madras/Minambakkam	13°00′	80°11′	29	8th Apr. 1926	0530*	1130	1730*	2330
39.	Mangalore/Bajpe	12°55′	74°53′	104	4th June 1928	0530		1730	2330
40.	Minicoy	08°18′	73°00′	15	14th Apr. 1941	0530	1130	1730*	2330
41.	Nagpur/Sonegaon	21°06′	79°03′	316	23rd Apr. 1943	0530*	1130	1730*	2330
42.	New Delhi/Safdarjung	28°35′	77°12′	227	16th Nov. 1929	0530*	1130	1730*	2330
43.	Poona	18°32′	73°51′	593	5th Jan. 1925	0530		1730	2330
44.	Port Blair	11°40′	92°43′	95	13th Mar. 1926	0530*	1130	1730*	2330
45.	Raipur	21°14′	81°39′	308	15th July 1944	0530		1730	2330
46.	Raxaul	26°59′	84°51′	83	28th Oct. 1957	0530		1730	
47.	Srinagar	34°05′	74°48′	1595	1st Aug. 1962	0530*		1730*	
48.	Tiruchchirappalli	10°46′	78°43′	96	22nd June 1936	0530		1730	2330
49.	Trivandrum	08°29′	76°57′	73	8th Dec. 1928	0530*	1130	1730*	2330
50.	Udaipur	24°35′	73°42′	587	24th June 1947	0530		1730	2330
51.	Vengurla	15°52′	73°38′	8	20th Nov. 1941	0530		1730	2330
52.	Veraval	20°54′	70°22′	17	13th Oct. 1941	0530		1730	2330
53.	Vijaywada/Gannavaram	16°32′	80°48′	32	1st Apr. 1957	0530		1730	2330
54.	Vishakhapatnam	17°43′	83°14′	10	24th Sep. 1928	0530*	1130	1730*	2330

* Radio wind ascents.

@Radiosonde ascents followed by optical theodolite.

† Naval Meteorological Office.

** Refers to date from which data are available.

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 km. above mean sea level

September, 1965 (Bhadra 10—Asvina 8, 1887 Saka)

Station	AGARTALA												AHMADABAD											
Time in I. S. T.	0530				1730				2330				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	1·5	1·2	146	30	1·6	1·3	195	10	1·7	1·6	162	30	1·8	1·6	278	30	2·0	1·6	286	30	1·4	1·1	271
0·15 a. g. .	28	5·0	4·1	157	29	4·1	3·3	190	10	6·6	6·2	172	30	6·1	5·6	277	30	3·8	3·1	272	30	3·9	2·9	259
0·3 a. m. s. l. .	28	5·9	4·8	174	29	4·7	4·0	192	10	7·8	7·3	179	30	6·0	5·3	279	30	4·1	3·3	271	30	4·1	3·0	260
0·6 ,, .	28	6·2	4·6	183	29	5·3	4·7	199	10	9·4	8·6	185	30	5·8	5·1	287	30	4·3	3·5	268	30	3·9	3·0	260
0·9 ,, .	28	6·2	4·4	183	29	5·4	4·8	200	10	8·7	7·3	187	30	5·3	3·8	277	29	4·4	3.1	255	30	4·3	3·2	266
1·5 ,, .	25	5·0	3·5	190	27	6·0	4·9	194	10	7·1	4·9	186	30	4·5	1·5	258	26	4·8	2·7	238	30	4·3	3·3	271
2·1 ,, .	25	4·5	2·9	186	23	6·0	4·1	195	8	6·6	3·1	172	30	4·3	0·3	297	21	4·1	1·5	178	30	4·6	1·8	281
3·0 ,, .	20	5·8	3·9	174	20	5·9	3·6	205	3	8·0	4·3	194	30	4·8	0·7	079	19	4·7	1·1	181	30	3·9	1·1	349
3·6 ,, .	17	6·2	3·9	171	11	5·3	3·0	189					30	4·9	0·4	341	15	4·5	1·1	061	30	3·9	1·7	342
4·5 ,, .	9	6·5	5·4	135	5	7·2	3·6	167					30	4·6	2·0	342	14	4·4	2·0	010	30	3·8	1·1	328
5·4 ,, .	6	8·5	5·5	143	2	9·5	6·4	164					30	5·3	1·9	345	14	6·2	3·5	316	30	5·6	2·0	294
6·0 ,, .	6	8·3	5·9	138	2	10·5	7·1	173					30	5·8	1·5	321	14	7·4	4·6	306	30	6·3	2·7	310
7·2 ,, .	4	9·0	4·8	147	1	15·0	15·0	155					30	6·3	3·3	322	13	9·5	6·5	058	30	6·4	3·7	322
9·0 ,, .													30	7·2	3·4	309	11	9·5	5·3	300	30	7·4	3·0	329

Station	AHMADABAD				ALLAHABAD/BAMHRAULI																AMBALA			
Time in I. S. T.	2330				0530*				1130				1730*				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	1·1	0·7	245	30	0·8	0·2	095	30	1·3	0·3	275	30	1·5	0·7	312	30	0·6	0·1	097	30	1·4	0·2	114
0·15 a. g. .	16	6·3	5·5	274	29	5·2	1·5	257	29	3·8	1·1	296	30	4·9	2·0	328	29	6·3	0·4	062	30	6·1	0·5	078
0·3 a. m. s. l. .	16	6·4	5·6	268	29	5·2	1·5	257	29	4·3	1·1	304	30	5·1	2·0	332	29	6·5	0·5	055	30	3·0	0·3	051
0·6 ,, .	16	6·9	6·4	280	29	5·2	0·9	285	29	5·0	0·9	318	30	5·1	1·4	323	29	6·8	0·9	029	30	5·3	1·5	333
0·9 ,, .	16	6·6	6·1	279	29	5·5	1·2	323	25	5·4	1·4	308	30	5·7	1·7	335	28	7.1	1·6	004	30	5·1	3·6	321
1·5 ,, .	16	4·1	3·5	271	27	6·0	3·1	340	21	6·1	3·5	332	30	6·8	2·6	341	28	6.9	2·5	343	30	6·3	5·4	322
2·1 ,, .	16	4·6	2·1	339	27	6·6	3·7	334	20	5·3	3·3	342	30	7·7	3·0	330	27	7.0	3·2	346	27	7·7	7·2	319
3·0 ,, .	15	5·3	4·2	041	27	6·6	3·2	335	17	4·3	3·1	307	29	7·1	3·0	332	23	6.5	4·2	338	26	7·5	5·8	322
3·6 ,, .	9	4·4	3.0	046	26	6·1	2·5	314	17	4·6	2·5	283	29	7·4	2·4	321	15	5·3	2·0	344	23	7·0	5·4	327
4·5 ,, .	3	2·7	1·8	330	25	5·8	2·1	272	16	5·6	3·8	293	27	6·0	2·6	290	9	4·2	2·3	284	17	6·0	4·2	322
5·4 ,, .	1	7·0	7·0	350	24	5·7	3·0	271	16	7·1	4.2	292	27	6.4	3·4	281	4	5·7	5·0	276	12	5·6	4.4	302
6·0 ,, .	1	9·0	9·0	320	24	5·8	2·6	258	16	6·3	3·8	275	27	7·0	3·0	265	1	5·0	5.0	274	6	8·5	5·4	283
7·2 ,, .					22	7·5	5·6	266	16	7·4	4·9	250	27	8·4	5·4	267					5	10·0	6·6	257
9·0 ,, .					21	10·0	7·8	251	14	8·9	6·2	242	26	9·5	7·3	241					1	19·0	19·0	272

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 km. above mean sea level

September, 1965 (Bhadra 10—Asvina 8, 1887 Saka)

Station	AMBALA												ANANTAPUR											
Time in I. S. T.	1130				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	1·3	0·3	187	30	2·2	1·9	300	9	1·1	0·1	192	30	2·1	1·9	273	30	3·0	1·9	323	26	3·5	3·0	278
0·15 a. g.	30	3·7	0·3	276	29	5·6	5·0	304	9	4·9	0·2	270	30	7·1	6·7	272	28	6·5	4·6	310	23	8·0	6·2	268
0·3 a. m. s. l.	30	2·0	0·4	168	29	6·8	2·9	300	9	2·2	0·3	193												
0·6 ,,	30	4·0	0·2	324	29	5·9	5·4	305	9	4·0	1·5	317	30	8·1	7·7	276	28	6·1	4·5	304	23	8·2	5·7	273
0·9 ,,	30	4·4	2·1	310	29	5·9	5·7	305	9	4·2	2·1	317	30	8·7	8·0	289	28	6·1	4·7	300	23	8·3	6·1	282
1·5 ,,	30	5.3	4·1	317	29	6·6	6·4	310	9	5·2	2·8	335	28	7·9	6·8	307	27	6·3	5·0	301	22	7·0	4·8	310
2·1 ,,	30	5.9	5·0	314	29	7·2	6.5	320	8	6·1	3·1	345	24	6·7	5·0	320	22	7·0	5·3	306	21	6·6	4·5	324
3·0 ,,	27	6·3	5·0	319	28	6·7	5·7	320	8	4·9	1·4	227	19	6·7	4·4	339	12	8·3	6·7	336	13	7·0	6·0	345
3·6 ,,	25	6·2	4·2	316	28	6·8	5·4	320	6	4·8	6·1	312	14	7·9	5·0	343	5	10·8	8·6	342	7	6·6	6·1	338
4·5 ,,	20	6·9	4·3	294	23	6·9	4·9	324	2	8·0	6·6	292	10	7·3	5·5	323	3	8·7	7·2	319				
5·4 ,,	13	6·2	4·1	278	16	7·4	3·7	303					8	5·9	3·9	356	2	7·0	6·9	031				
6·0 ,,	9	7·3	6·0	290	13	7·9	6·7	296					8	7·0	3·9	336	2	7·0	6·8	022				
7·2 ,,	3	10·0	6·7	292	5	10·6	9·6	276					7	6·9	3·9	028								
9·0 ,,	1	23·0	23·0	281									4	3·0	1·2	333								

Station	ASANSOL												AURANGABAD/CHIKALTHAN											
Time in I. S. T.	0530				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	0·6	0·4	141	30	1·2	0·6	130	16	0·7	0·2	177	30	3·1	2·9	279	30	4·6	3·4	330	30	3·1	2·7	283
0·15 a. g.	25	3·9	0·7	232	29	4·2	1·4	142	15	4·7	2·9	180	30	8·1	7·2	293	30	7·2	5·3	332	14	9·4	8·2	306
0·3 a. m. s. l.	25	4·0	1·2	229	29	4·4	1·5	140	15	4·7	3·0	183												
0·6 ,,	25	4·2	2·4	335	29	5·1	1·8	154	15	5·1	3·6	179												
0·9 ,,	23	4·7	2·7	237	29	5·1	2·1	163	15	5·5	3·5	181	30	10·1	8·6	311	30	6·6	5·1	330	15	11·2	9·5	311
1·5 ,,	21	5·0	2·3	249	27	4·6	1·4	219	15	4·8	2·9	185	29	7·9	5·5	339	29	7·3	5·8	319	15	11·3	8·9	316
2·1 ,,	19	4·3	2·3	262	24	4·7	1·7	269	12	4·5	2·9	162	28	5·2	2·2	013	26	6·9	5·0	317	13	7·8	4·2	325
3·0 ,,	18	4·1	1·9	257	23	4·9	2·5	248	9	4·2	3·0	129	19	5·7	0·3	352	14	6·3	3·5	324	10	5·0	2·2	329
3·6 ,,	13	4·5	3·5	243	20	4·0	2·0	263	5	3·2	1·9	092	12	4·3	1·5	288	11	5·8	3·2	308	6	3·7	2·0	276
4·5 ,,	11	5·9	4·0	225	17	3·9	1·2	266	3	4·3	1·8	082	6	4·7	1·9	341	5	5·6	3·9	333	3	4·3	0·8	335
5·4 ,,	11	4·3	3·3	203	16	5·2	1·2	260	1	2·0	2·0	214	4	7·0	1·7	344	3	5·3	3·6	337	1	3·0	3·0	324
6·0 ,,	11	4·4	3·4	230	14	5·6	1·4	275					1	15·0	15·0	250								
7·2 ,,	10	3·7	2·7	245	10	7·5	4·0	242																
9·0 ,,	7	5·7	2·2	202	6	7·2	5·0	216																

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

September, 1965 (Bhadra 10—Asvina 8, 1887 Saka)

Station	BAHRAICH												BANGALORE											
Time in I. S. T.	0530				1130				1730				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	1·5	0·8	087	30	1·5	0·7	093	30	0.9	0·2	046	30	3·5	3·1	266	30	3·0	2·6	280	30	3·5	2·7	301
0·15 a. g. .	28	5·5	1·5	113	29	3·8	1·0	116	28	4·0	0·9	269	20	6·7	6·0	268	30	4·7	4·1	284	30	5·4	4·1	302
0·3 a. m. s. l.	28	5·6	1·5	116	29	3·8	1·2	115	28	4·0	0·8	254												
0·6 „ .	28	7·2	0·4	198	29	4·8	1·6	112	28	4·8	0·9	224												
0·9 „ .	28	6·9	0·4	020	28	5·3	0·3	310	28	5·3	1·0	264												
1·5 „ .	27	6·4	2·3	335	19	6·4	3·2	305	27	6·3	2·6	312	19	7·5	6·5	287	29	6·0	5·5	291	30	5·8	4·4	300
2·1 „ .	21	7·1	3·8	327	11	6·5	5·3	302	22	5·2	3·5	313	19	6·9	5·0	308	21	5·9	4·4	303	30	6·1	4·5	301
3·0 „ .	16	4·6	2·7	300	8	4·4	2·6	280	21	5·6	3·0	328	15	4·5	2·6	320	11	4·5	2·1	343	26	6.3	4·7	313
3·6 „ .	15	4·3	2·1	307	8	4·5	2·4	274	16	4·5	1.2	359	14	5·0	2·8	311	11	5·5	3·4	346	24	5·6	4·4	308
4·5 „ .	13	4·6	2·2	291	8	6·5	4·1	267	12	6·6	2·3	300	13	4·4	2·9	264	8	6·3	1·6	300	22	5·5	4·7	286
5·4 „ .	13	6·4	5·0	276	8	8.0	6·6	273	12	7·4	3·3	292	12	3·4	2·3	249	7	4·0	2·2	266	21	4·8	3·3	282
6·0 „ .	12	9·7	7·3	290	8	8·6	7·1	270	12	8·4	5·5	279	12	3·3	1·3	251	7	4·0	2·0	317	19	4·3	1·8	080
7·2 „ .	5	12·8	11·7	279	3	13·0	12·7	265	9	10·1	9·1	272	10	4·5	0·7	031	4	5·3	3·6	033	19	4·7	0·8	180
9·0 „ .	3	21·0	20·5	262	3	17·0	16·9	263	7	12·3	11·4	261	9	5·9	5·0	084	2	6·0	5·5	074	19	6·3	4·5	110

Station	BANGALORE				BAREILLY								BEGAMPET											
Time in I. S. T.	2230				0530				1730				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	2·9	2·3	273	30	0·9	0·2	065	30	1·1	0·7	289	30	2·4	1·9	296	30	3·5	2·4	335	30	1·6	0·5	314
0·15 a. g. .	17	6·7	4·9	266	29	4·9	0·5	289	29	4·6	3·0	293	28	6·3	5·5	293	28	6·1	3·8	330	28	4·2	1·8	333
0·3 a. m. s. l.					29	4·5	0·5	330	29	4·3	2·8	291												
0·6 „ .					29	6·5	1·9	267	29	5·4	3·8	291	28	4.4	3·9	293	28	5·7	3·7	331	28	3·7	1·3	340
0·9 „ .					29	7·1	2·9	286	28	6·0	4·2	296	28	7·7	7·0	312	28	6·6	4·4	329	28	4·7	2·7	336
1·5 „ .	17	7·3	5·5	286	29	6·3	3·5	311	28	7·8	5·4	308	27	7·3	5·8	332	27	7·5	5·5	320	28	6·9	4·1	330
2·1 „ .	16	7·1	4·8	300	29	9·0	4·9	322	27	9·1	6·7	312	25	7·5	5·6	035	25	9·1	6·4	037	27	8·4	5·3	326
3·0 „ .	14	5·2	3·0	317	28	8·7	3·9	346	27	7.8	5·7	321	24	7·1	4·4	341	23	8·5	5·6	031	24	8·0	5·7	324
3·6 „ .	12	6·7	4·9	315	27	7·0	3·0	356	26	7·7	5·4	324	22	7·7	5·0	337	18	7·4	5·2	340	11	7·7	6·5	348
4·5 „ .	6	3·8	3·5	301	21	5·7	2·1	356	25	7·2	4·5	313	19	6·5	3·9	348	16	7·4	4·6	331				
5·4 „ .	4	4·5	4·2	292	18	5·9	1·7	295	23	8·0	4·9	285	12	7·5	5·4	010	12	7·1	4·7	338				
6·0 „ .	3	4·7	3·7	313	16	7·4	3·6	264	17	9·8	7·7	273	10	7·5	5·9	016	11	7·2	4·4	356				
7·2 „ .	2	2·5	2·5	270	12	10·6	7·8	278	10	13·3	10·5	273	7	10·1	8·3	020	5	7·0	3·3	305				
9·0 „ .	1	3·0	3·0	275	6	12·1	10·8	280	5	19·6	17·7	260	5	7·6	4·4	014	3	6·7	3·8	360				

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

September, 1965 (Bhadra 10—Asvina 8, 1887 Saka)

Station	BHAGALPUR								BHOPAL/BAIRAGARH												BHUBANESHWAR			
Time in I. S. T.	0530				1730				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	2·1	0·9	138	30	2·0	0·6	076	30	2·8	2·0	295	30	3·7	2·9	312	30	1·9	1·3	276	30	1·9	0·6	287
0·15 a. g. .	26	5·1	2·2	138	28	4·3	1.4	113	26	8·2	5·7	302	29	6·4	4·7	304	6	8·3	8·0	272	30	4·7	1·4	235
0·3 a. m. s. l.	26	5·7	1·8	221	28	4·8	1·3	113													30	5·0	2·2	236
0·6 „ .	25	5·9	1·3	118	28	5·1	1·3	139	26	7·4	5·6	296	29	6·1	4·5	309	6	6·7	6·4	263	30	5·7	2·3	245
0·9 „ .	24	6·0	1·2	107	28	5·6	1·6	167	26	9·0	6·6	315	29	6·7	5·0	314	6	11·8	10·5	288	28	5·7	2·6	265
1·5 „ .	22	5·5	0·9	089	25	5·6	1·4	160	25	8·2	5·5	320	27	6·7	5·1	327	6	9·2	8·1	303	27	6·1	2·3	272
2·1 „ .	20	5·9	0·6	132	24	5·7	1·1	214	22	5·7	3·4	353	25	7·0	5·1	340	4	7·8	6·3	330	25	5·8	1·4	214
3·0 „ .	10	5·6	1·1	240	16	4·7	1·4	173	21	6·0	4·2	005	22	7·5	5·9	355	1	10·0	10·0	009	19	4·8	0·5	260
3·6 „ .	7	4·3	1·3	189	8	5·1	0·9	131	19	5·2	3·4	358	19	6·1	4·9	334	1	8·0	8·0	340	17	3·4	3·4	100
4·5 „ .	3	6·0	3·6	197	6	5·2	0·5	219	16	5·7	3·6	343	15	6·3	4·1	336	1	6·0	6·0	344	13	3·0	1·3	138
5·4 „ .					4	5·5	0·9	310	14	5·5	3·3	330	13	7·1	4·5	329					10	3·8	2·9	130
6·0 „ .					4	5·0	0·4	185	11	6·0	2·9	313	11	9·5	7·3	331					9	4·4	2·6	105
7·2 „ .					1	1·0	1·0	203	5	9·0	6·5	322	4	9·0	8·7	320					7	4·7	4·3	090
9·0 „ .									2	13·9	12·9	288	1	7·0	7·0	241					2	11.5	11·5	107

Station	BHUBANESHWAR								BHUJ/RUDRAMATA												BIKANER			
Time in I. S. T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface. .	30	3·0	1·4	205	30	1·8	0·7	197	30	1·2	1·1	266	30	4·3	3·5	237	8	4·1	3·9	236	30	1·6	1·4	240
0·15 a. g. .	28	5·2	2·9	192	14	5·6	4·7	218	30	6·7	6·3	263	30	6·0	5·5	247	8	7·4	6·5	250	30	8·5	3·3	190
0·3 a. m. s. l.	28	5·2	2·8	187	14	6·2	5·1	223	30	7·4	6.9	265	30	6·0	5·4	245	8	7·9	7·8	246	30	6·8	6·0	242
0·6 „ .	28	5·2	2·8	195	14	6·2	5·1	231	30	7·8	7.3	259	30	5·6	4·4	246	8	7.9	7·8	248	30	10·3	9·4	261
0·9 „ .	26	5·1	1·9	232	14	5·7	4·4	246	30	6·5	6.3	254	30	5·1	4·5	249	8	5·0	4·7	244	30	8·3	7·0	263
1·5 „ .	23	5·7	1·1	305	14	5·9	4·5	267	27	5·0	3·3	209	29	4·3	2·5	247	6	3·5	1·3	357	30	6·0	4·0	270
2·1 „ .	20	5·9	1·6	298	13	5·1	3·5	272	26	5·2	2·6	156	25	4·3	1·1	222	6	4·8	4·3	026	29	4·7	2·0	293
3·0 „ .	15	4·5	1·1	019	7	2·5	1·2	22[illegible]	25	6·2	1·8	115	20	4·5	1·6	046	6	5·5	5·1	022	29	5·8	3·5	009
3·6 „ .	12	3·7	1·7	055	1	3·0	3·0	060	19	4·2	1·9	138	18	4·7	2·1	030					29	8·3	5·2	021
4·5 „ .	9	4·1	1·0	005					19	4·6	3·6	042	16	4·2	2·9	018					25	6·3	3·0	355
5·4 „ .	4	5·0	1·1	086					18	5·7	3·7	026	16	4·9	3·4	334					21	7·0	3·6	322
6·0 „ .	2	5·0	2·5	066					17	6.1	3·8	008	16	6·1	4·7	338					20	8·0	4·8	298
7·2 „ .	1	8·0	8·0	110					6	7·2	4·3	308	4	4·8	4·2	003					12	11·8	3·6	299
9·0 „ .									1	14·0	14·0	315	1	1·0	1.0	071					5	20·8	20·3	283

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

September, 1965 (Bhadra 10— Asvina 8, 1887 Saka)

Station	BIKANER								BOMBAY/SANTACRUZ															
Time in I.S.T.	1730				2330				0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	1·3	0·9	233	30	1·7	1·4	214	30	1·0	0·9	277	30	2·5	2·0	282	30	3·8	3·5	299	16	1·4	1·0	276
0·15 a. g.	30	5·5	3·4	247	15	9·7	7·3	199	30	4·0	2·4	289	30	4·5	3·5	276	29	6·3	5·7	289	16	4·9	3·9	292
0.3 a. m. s. l.	30	4·9	3·1	246	15	6·7	4·7	213	30	4·0	2·7	286	30	4·4	3·5	288	29	6·1	5·4	292	16	5·4	4·3	295
0·6 ,,	30	5·6	4·1	248	15	9·3	3·8	241	30	4·2	2·8	284	30	4·4	3·3	293	29	5·4	4·4	294	16	4·8	3·7	295
0·9 ,,	30	6·0	4·4	252	15	7·8	4·6	266	30	4·5	3·1	290	23	4·7	3·0	294	29	4·6	3·4	291	15	4·3	3·0	305
1·5 ,,	30	6·0	4·7	265	14	6·0	4·6	310	30	4·8	2·6	284	13	4·5	2·5	290	29	4·0	2·3	267	14	4·4	2·9	301
2·1 ,,	29	5·5	3·8	276	12	6·5	5·3	320	30	4·1	0.2	259	6	4·7	1·2	296	29	3·7	1·2	245	13	3·5	1·5	293
3·0 ,,	26	5·5	4·2	318	7	6·9	5·5	339	30	5·5	1·0	150	2	5·0	2·2	306	29	4·4	1·4	270	11	4·0	0·4	073
3·6 ,,	24	5·7	4·5	348	3	5·3	3·6	312	30	5·2	1·6	235	2	5·0	4·6	268	29	4·8	2·1	288	8	4·7	2·4	138
4·5 ,,	20	6·6	4·3	333	1	8·0	8·0	330	30	4·8	1·0	278	2	6·5	6·1	253	29	4·7	1·1	278	7	4·4	1·1	042
5·4 ,,	17	7·7	5·8	325					29	5·4	1·9	330	2	8·0	7·9	245	28	4·6	0·7	297	5	5·0	1·3	067
6·0 ,,	15	7·6	6·2	307					29	6·2	2·5	342	2	8·0	7·4	228	28	5·7	1·7	359	3	5·7	4·1	002
7·2 ,,	4	11·3	8·9	317					26	6·6	3·7	012	1	4·0	4·0	100	27	6·6	3·6	010				
9·0 ,,									25	7·0	4·0	047	1	5·0	5·0	105	27	7·3	3·9	043				

Station	CALCUTTA/DUM DUM																COCHIN/WILLINGDON†							
Time in I.S.T.	0530*				1130				1730*				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	0·6	0·3	153	30	1·8	1·1	153	30	1·1	0·9	154	10	2·1	1·7	163	30	0·5	0·3	328	30	3·1	2·7	289
0·15 a. g.	30	3·8	2·4	205	29	3·7	1·8	170	30	4·0	3·2	178	10	6·2	5·1	191	28	2·8	2·1	001	30	5·1	4·7	295
0·3 a. m. s. l.	30	3·9	2·5	206	28	4·1	2·0	169	30	4·2	3·4	180	10	7·0	6.1	193	28	3·7	3·5	333	30	5·7	5·3	295
0·6 ,,	30	4·1	2·7	207	28	4·2	2·2	181	30	4·5	2·9	189	10	8·3	7.0	192	28	6·1	5·8	317	30	7.7	7·5	303
0·9 ,,	30	3·8	2·3	201	24	4·2	1·8	197	30	4·3	2·7	192	8	7·8	5·4	192	28	7·2	7·0	311	30	7·9	7·7	303
1·5 ,,	30	3·9	1·8	215	15	4·8	2·4	182	30	4·4	2·2	197	6	6·0	2·8	187	28	7·5	7·2	302	30	8·5	7·9	305
2·1 ,,	30	3·7	2·2	207	10	6·0	2·1	196	30	4·4	1·4	214	5	4·8	1·5	168	28	7·3	6·5	304	29	7·4	6·7	309
3·0 ,,	30	3·9	2·6	206					30	4·1	2·0	200	1	4·0	4·0	205	21	6·8	5·4	312	21	7·0	6·4	304
3·6 ,,	30	4·1	3·0	195					30	3·9	2·1	193					16	5·8	5·1	313	14	6·9	6·4	301
4·5 ,,	30	4·8	3·5	189					30	4·4	1·8	192					6	4·5	4·0	315	12	5.3	4·9	302
5·4 ,,	30	5·3	2·8	168					29	5·0	2·1	188					1	4·0	4·0	355	5	3·6	2.0	347
6·0 ,,	30	4·7	2·6	165					29	5·2	1·8	172									4	4.7	3·1	044
7.2 ,,	30	5·5	2·2	160					29	5·0	1·8	186									1	10·0	10.0	090
9·0 ,,	30	5·8	3·2	138					29	5·[illegible]	[illegible]·2	145									1	15·0	15·0	095

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

September, 1965 (Bhadra 10—Asvina 8, 1887 Saka)

Station	COCHIN/WILLINGDON †				DEHRADUN								DIBRUGARH/MOHANBARI											
Time in I.S.T.	2330				0530				1730				0530				1130				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	1·0	0·8	317	30	0·6	0·5	026	30	0·8	0·4	288	30	1·1	0·9	064	30	1·4	0·9	046	30	0·8	0·5	046
0·15 a. g.	26	3·4	2·7	322	30	1·6	1·2	084	30	2·2	1·5	282	22	4·5	3·6	065	24	2·3	1·0	057	28	3·3	2·8	059
0·3 a. m. s. l.	26	4·4	3·8	313									22	4·7	3·9	068	24	2·4	1·1	060	28	3·4	2·2	061
0·6 ,,	26	6·9	6·8	310									22	4·8	2·7	035	23	2·7	0·5	117	28	2·9	2·8	096
0·9 ,,	26	8·1	8·0	312	30	1·8	1·1	108	30	2·5	2·0	282	22	4·9	1·7	101	23	2·7	0·9	212	26	2·7	1·2	164
1·5 ,,	25	8·4	8·3	307	30	2.0	0·9	168	29	3.6	3·7	284	19	4·1	1.9	177	21	3·3	2·0	216	27	3·8	2·3	155
2·1 ,,	21	7·5	7·2	304	27	2·5	0·3	317	25	4·9	4·3	292	14	4·3	3·3	212	17	3·9	3·0	205	26	4·8	4·7	221
3·0 ,,	17	6·2	4·9	312	21	4·2	1·4	316	18	5·2	4·0	299	9	5·4	4·6	224	10	4·7	2·3	194	25	5·6	4·8	133
3·6 ,,	10	5·0	4·0	323	18	5·5	1·8	310	16	5·8	1·4	310	6	5·5	4·8	219	6	8·3	2·2	184	19	5·8	5·5	132
4·5 ,,	3	3·0	1·5	359	15	6·0	3·0	310	14	6·4	1·5	045	3	6·3	6·1	231					12	6·2	5·6	124
5·4 ,,	2	1·5	1·3	121	14	6·7	2·9	290	10	7·0	4·3	324	1	8·0	8·0	270					7	6·6	6.3	204
6·0 ,,	2	1·5	1·4	122	14	7·7	3·2	270	9	8·0	7·0	305	1	9·0	9·0	304					5	7·0	6·7	256
7·2 ,,	2	1·5	1·5	130	10	8·9	6·8	273	8	11·2	10·2	295									3	13·7	12·7	258
9·0 ,,					6	15·3	12·3	285	2	19.0	19·0	286									1	14·0	14·0	242

Station	DIBRUGARH/MOHANBARI				GADAG												GANGTOK							
Time in I.S.T.	2330				0530				1730				2330				0830				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	16	0·5	0·1	036	30	3·5	3.0	260	30	4·3	2·5	258	9	5·4	5·4	270	30	0·7	0·6	006	30	0·7	0·4	139
0·15 a. g.	14	3.3	2·2	056	29	7.6	7.0	271	30	7·7	5·5	264	9	10·2	10·1	260	17	2·3	2·2	360	12	2·6	2·0	161
0·3 a. m.s. l.	14	3.0	2·1	063																				
0·6 ,,	14	2·7	1·7	036																				
0·9 ,,	14	2·3	1·0	123	29	9·0	8·2	291	30	7·9	5·8	268	9	11·2	11·1	270								
1·5 ,,	14	3.0	1·9	212	28	7·1	5·9	303	29	7·6	6·0	284	9	10·3	10·1	281								
2·1 ,,	14	5·4	4·5	219	27	5·0	2.7	306	24	6·4	5·0	323	8	7·3	6·7	283	17	2·1	1·3	344	12	2·3	1·8	178
3·0 ,,	12	4·8	4·3	211	27	5·3	1·8	338	20	5·5	4·0	344	8	4·6	4·0	283	17	1·5	0·7	151	9	1·4	0·4	139
3·6 ,,	6	5·3	5·2	231	25	5·8	2·3	324	16	6·6	3·7	328	7	6·0	5·5	270	16	2·1	1·5	146	8	1·1	0·5	150
4·5 ,,	1	6.0	6·0	241	22	6·3	4·5	309	11	7·4	4·0	309	4	4·5	4·1	265	14	3·2	1·7	180	5	2·6	2·1	245
5·4 ,,					18	5·7	2·6	325	10	6·7	2·9	290	3	3·3	2·8	321	12	5·5	3·8	224	4	9·9	8·5	255
6·0 ,,					16	6·2	2·7	008	10	5·5	2·0	311	1	2·0	2·0	280	11	7·0	5·3	227	4	9·5	9·1	245
7·2 ,,					14	7.8	4·2	046	8	5·4	1·6	025	1	5·0	5·0	080	10	11·0	8·5	209	3	13·3	13·2	240
9·0 ,,					11	7·0	5·8	075	8	6·4	4·9	092					9	14·0	10·1	215				

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

September, 1965 (Bhadra 10 —Asvina 8, 1887 Saka)

Station	GAUHATI																GAYA							
Time in I.S.T.	0530*				1130				1730*				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	0·1	0·1	045	30	1·6	1·0	023	30	0·2	0·1	017	13	1.2	0·9	218	30	1·9	0·3	104	30	2·4	0·9	010
0·15 a. g.	30	2·3	0·3	074	29	2·8	1·9	029	30	2·3	0·8	333	12	2·3	1·9	226	29	5·2	1·4	141	27	4·4	1·3	038
0·3 a. m. s. l.	30	2·5	0·4	096	29	2·7	1·3	044	30	2·4	0·9	330	12	2.3	1 7	250	29	5·5	1·0	155	27	4·4	1·2	038
0 6 ,,	30	2·8	0·2	128	29	2·8	0·3	078	30	2·3	1·0	300	12	2·2	1·8	264	29	6·6	0·3	073	27	5·0	0·9	064
0·9 ,,	30	3·3	0·7	240	29	3·4	1·1	218	30	2·9	1·3	270	12	2·4	2 0	269	28	6·6	0·7	321	27	5·4	0.5	107
1·5 ,,	30	4·4	2 2	241	26	3·9	2·4	208	30	4·0	2·5	224	10	3·2	2·8	260	25	6 2	0.6	025	27	6·1	0.9	261
2·1 ,,	30	4 3	2 3	235	25	4.4	2.6	218	30	4·7	3·3	227	9	4·1	2·7	249	22	6·9	1·5	056	26	7·1	0.9	237
3·0 ,,	30	4.6	2·5	234	21	4·3	1·8	219	30	4·6	2·9	225	7	4·4	3·0	230	19	7·1	0·3	263	25	6·7	0.6	236
3·6 ,,	30	5·6	3.5	238	17	4·8	2·4	213	29	4·1	2·6	237	2	5·0	2·3	179	18	6·8	1·5	241	20	5.7	0·6	257
4·5 ,,	30	6·1	3·7	239	14	5.7	3.6	236	29	5·4	3·7	241	1	3·0	3·0	080	16	5·5	2·3	204	18	6·7	0·7	320
5·4 ,,	30	7.6	5·0	238	12	7·3	4.3	240	29	6·4	4·6	241	1	2·0	2·0	050	14	5·1	1·6	231	16	6·5	1·7	303
6.0 ,,	30	7.9	5.9	246	8	7.3	4.9	227	29	7·1	5·4	244					13	5.4	1·8	244	15	6·2	2·4	291
7·2 ,,	30	8·3	5·9	238	4	7.7	4·1	228	29	9·0	5·8	236					7	7·6	3·4	230	15	7·3	3·3	270
9·0 ,,	29	10·4	6·3	245	1	8·0	8·0	210	27	10·7	6·3	245					2	8·0	8·0	251	9	9·0	5·1	270

Station	GAYA				GOA/DABOLIM												GOPALPUR							
Time in I.S.T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	17	1·5	0·7	142	30	2·9	1·8	333	30	6·9	5·7	290	30	4·0	3·2	317	30	1·7	0·9	244	30	3·6	2·6	196
0·15 a. g.	17	4·9	1·0	142													28	5·2	2·7	249	28	6·4	4·9	197
0·3 a. m. s.l.	17	5·4	1·5	137	29	5·1	3.9	325	29	6·7	6·3	304	25	5·3	4.7	320	28	5·1	2·7	244	28	6·0	4·3	197
0·6 ,,	17	6·3	1.7	171	29	7·9	7.2	322	29	8.2	7·8	308	25	8·0	7·5	316	28	5·5	2·6	240	28	4·9	2·4	206
0·9 ,,	17	6·8	1·1	222	28	7·3	6·9	317	29	7·2	6·8	310	25	7·9	7.4	317	28	5·9	1·9	270	28	4·9	1·5	243
1·5 ,,	16	6·6	0·9	289	19	6·6	6·1	304	25	5·8	4·5	317	21	6·9	6·3	312	26	6·9	2·9	296	27	5·8	2·3	309
2.1 ,,	14	5·8	0·8	152	10	5 0	2·7	332	20	5·9	4·6	312	12	6·7	5·7	298	22	6·0	1·9	286	24	6·4	3·3	324
3·0 ,,	9	3·9	2·4	140	6	4·7	2·0	101	15	4·6	2·4	300	6	5·3	1·5	037	16	5·2	2·2	328	20	5·7	3·3	320
3·6 ,,	6	3·3	1 5	113	3	2·7	1·2	179	13	5·8	3·5	307	1	3·0	3·0	351	15	3·6	0·9	322	16	5·1	2·3	322
4·5 ,,					2	3·3	3·1	272	7	5·4	3·5	317	1	3·0	3·0	270	13	3·7	0·1	135	15	4·4	1·5	358
5·4 ,,									4	6.1	3.2	092					11	4·1	1·2	112	12	4·8	1·2	073
6·0 ,,									4	5·5	3·5	079					10	4·0	2·4	104	11	6·1	2·6	092
7.2 ,,									2	8·0	7·9	116					4	8·2	8·1	083	7	7·0	4·5	105
9·0 ,,																					1	11·0	11·0	085

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 km. above mean sea level

September, 1965 (Bhadra 10—Asvina 8, 1887 Saka)

Station	GOPALPUR				GORAKHPUR								GWALIOR											
Time in I.S.T.	2330				0530				1730				0530				1130				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	17	2·7	1·8	228	30	1·0	0·3	090	30	0·8	0·1	065	30	1·4	1·1	281	30	2·1	1·4	301	30	2·0	1·5	321
0·15 a. g.	17	6·2	4·9	226	29	5·6	1·0	081	29	4·0	0·5	075	28	6·1	4·5	282	28	3·7	2·6	306	29	5·1	4·0	323
0·3 a. m. s. l.	17	5·5	4·7	226	29	6·3	1·2	080	29	4·4	0·5	098	28	4.9	3.8	271	28	3.3	2.3	309	29	4.3	3.2	322
0·6 „	16	5·1	4·2	244	28	7.6	1·4	095	29	5·4	0·5	139	28	6·9	4·8	298	28	4.4	2·9	309	29	5·4	4·2	321
0·9 „	16	5·0	3·5	256	28	7·3	0·7	025	29	6·3	0·6	151	28	6·1	4·2	307	28	4·5	2·7	339	26	6·0	5·2	316
1·5 „	15	6·3	4.8	290	25	7·3	2·0	032	28	7·4	1·1	343	26	6·3	4·7	337	23	5·3	4·1	339	26	6·3	5·2	327
2·1 „	12	5·8	4·3	291	22	6·5	2·2	062	23	6·2	2·4	320	25	7·1	6·0	351	23	5·8	4·3	354	25	7·0	5·8	333
3·0 „	8	4·3	2·1	278	16	4·6	1·2	033	22	5·2	0·9	333	23	6·9	5·6	337	21	6·2	4·0	355	22	6·7	5·7	332
3·6 „					16	4·1	0·8	295	19	4·4	0·4	326	22	6·8	5·7	352	17	6·5	4·1	325	22	7·0	5·9	336
4·5 „					14	4·9	2·6	252	18	4·9	1·8	310	20	6·8	4·6	323	17	7·0	3·7	294	20	7·7	5·9	3[illegible]5
5·4 „					12	7·3	3·3	258	14	7·2	5·0	287	19	7·3	5·5	301	15	6·7	5·2	280	20	7·4	5·0	291
6·0 „					12	7·6	4·2	264	14	8·4	6·6	280	18	7·1	5·7	287	15	7·3	5·6	275	18	8·2	6·0	285
7·2 „					6	9·0	7·3	268	13	11·0	8·4	265	16	11·2	10·0	283	15	11.3	10.1	280	16	11·0	9·6	281
9·0 „					4	14·8	10·3	243	5	16·6	16·0	244	15	15.1	13.8	273	9	12.8	11.2	244	15	10·5	9·8	273

Station	GWALIOR				IMPHAL/TULIHAL																JABALPUR			
Time in I.S.T.	2330				0530				1130				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	21	0·6	0·3	262	30	0·1	0·1	045	30	0·9	0·4	165	30	2·4	0·9	258	30	0·4	0·1	144	30	0·8	0·6	259
0·15 a.g.	20	4·2	2·1	251	26	1·5	0·7	063	29	1·9	1·2	191	27	4·3	2·0	262	10	2·7	1·6	146	26	4·5	2·5	264
0·3 a. m. s. l.	20	3·3	1·5	287																				
0·6 „	20	4·5	2·4	313																	26	5·1	2·6	242
0·9 „	20	5·0	3·0	324	26	1·7	0·9	057	29	1·9	1·1	195	27	4·2	1·6	266	10	2·8	1·7	144	25	6·3	4·1	329
1·5 „	19	6·1	4·1	327	26	2·6	1·0	266	29	2·9	1·1	214	27	3·0	1·6	191	10	2·7	1·6	146	24	7·4	5·0	344
2·1 „	17	7·8	5·2	327	23	4·3	1·5	243	28	3·8	1·6	223	25	3·6	2·1	224	10	2·3	1·4	201	22	7·3	5·9	355
3·0 „	13	7·9	5·6	346	8	5·6	2·0	224	22	4·5	3·1	233	24	4·6	2·7	229	8	3·2	1·7	250	20	7·3	5·4	348
3·6 „	2	4·5	4·1	051	5	6·0	5·0	242	18	4·7	3·3	231	20	4·9	3·4	233	6	2·7	1·7	208	20	6·2	3·7	345
4·5 „	2	5·5	5·5	066	3	4.7	4·7	203	10	5·3	3·4	239	9	5·5	4·6	238	3	2·0	1·8	154	17	4·4	1·0	293
5.4 „					1	9·0	9·0	200	7	5·9	4·1	234	5	5.6	4·4	264	2	5·0	4·3	164	14	4·9	1·2	397
6·0 „					1	8·0	8·0	200	6	6·0	4·1	228	4	6·7	5·1	264	1	4·0	4·0	120	14	5·1	1·8	319
7·2 „					1	8·0	8·0	191	4	7·0	4·2	245	1	6·0	6·0	245					10	6·7	3·1	355
9·0 „									2	11·0	11·0	269									5	4·4	1·6	115

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

September, 1965 (Bhadra 10—Asvina 8, 1887 Saka)

Station	JABALPUR								JAGDALPUR												JAIPUR SANGANER			
Time in I.S.T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	1·4	0·7	330	30	0·6	0·4	263	30	0·7	0·4	231	30	1·9	0·8	285	30	0·7	0·2	213	30	1·0	1·0	317
0·15 a. g. .	29	4·9	2·5	333	14	5·9	3·6	285	27	4·4	1·9	256	30	5·4	2·4	298	30	4·6	1·2	267	29	6·8	5·9	293
0·3 a. m. s. l. .																								
0·6 ,, .	29	5·4	2·9	337	14	6·6	4·1	288	27	2·3	1·0	251	30	3·8	1·6	305	30	3·3	0·9	247	29	7·7	6·6	292
0·9 ,, .	28	6·0	3·5	337	13	8·5	6·0	305	27	6·3	2·4	281	30	6·6	3·2	304	30	6·1	1·8	304	29	8·4	7·3	300
1·5 ,, .	27	7·1	4·7	340	11	8·8	7·6	321	26	8·4	4·1	303	28	7·4	4·0	322	27	7·5	3·0	313	28	5·8	4·4	312
2·1 ,, .	27	7·4	5·1	342	10	8·2	7·1	337	21	8·4	5·0	327	26	7·6	3·9	331	27	7·8	3·3	347	27	5·3	3·5	347
3·0 ,, .	21	7·1	4·9	340	7	9·6	9·1	351	18	8·4	5·1	230	17	8·6	5·0	314	23	6·3	2·7	344	24	5.9	4·4	007
3·6 ,, .	17	7·7	6·2	343	3	7·7	7·1	340	16	7·1	3·4	317	12	8·2	5.8	332	15	3·6	1·4	285	24	6·4	4·5	349
4·5 ,, .	16	6·1	4·2	329	2	5·5	5.5	007	15	5·9	1·4	267	8	8·7	5·1	334	8	4·3	2·3	302	18	6·0	3·2	337
5·4 ,, .	15	5·6	3·5	323					13	6·1	1·9	280	5	7·0	6·3	022	7	6·0	2·9	232	15	6·9	4·9	301
6·0 ,, .	13	6·0	3·1	339					13	7·5	2·3	313	4	5·2	4·4	005	2	6·0	2·7	306	13	7·8	6·4	292
7·2 ,, .	10	6·3	2·4	308					8	7·5	3·0	338	2	4·0	3·9	026	1	4·0	4·0	035	6	7·7	6·2	262
9·0 ,, .	5	6·2	2·3	221					5	8·0	6·2	236	2	3·0	1·9	084	1	4·0	1·0	035				

Station	JAIPUR/SANGANER								JAMSHEDPUR								JHARSUGUDA							
Time in I.S.T.	1730				2330				0530				1730				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	1·9	1·2	328	30	0·9	0·5	328	30	1·0	0·6	110	30	2·0	0·9	131	30	1·7	0·2	270	30	2·3	0·5	262
0·15 a. g. .	28	5·1	4·0	316	16	7·6	4·7	309	28	3·2	0·7	158	28	3.9	0·9	133	26	4·3	0·6	073	28	4·5	1·1	268
0·3 a. m. s. l. .									28	3·2	1·0	173	28	3·9	0·9	138	26	3·7	0·1	073	28	4·2	1·3	260
0·6 ,, .	28	5·4	4·1	318	16	8·2	5·0	310	28	4.3	1·6	224	27	4·2	0·4	152	26	5·2	0·3	311	28	5·0	1·5	261
0·9 ,, .	28	5·4	4·3	315	16	8·1	5·1	321	27	5·1	2·3	246	26	4·4	0·5	249	26	5·9	0·9	329	28	5·6	1·4	273
1·5 ,, .	28	5·0	4·1	314	16	6·8	5·3	333	22	5·1	1·5	271	20	4·7	1·7	301	22	5·9	2·6	0·5	28	6·5	2·0	304
2·1 ,, .	27	4·7	4·1	310	12	7·4	6·0	345	19	4·3	1·1	291	15	5·1	2·2	299	19	5·4	2·0	015	25	6·7	2·1	346
3·0 ,, .	20	5·7	4·1	325	9	7·1	6·7	347	15	3·7	1·5	245	10	2·8	2·5	316	16	5·2	2·1	023	22	5·3	1·9	327
3·6 ,, .	19	6·2	4·6	335	3	6·0	5·9	348	14	3·7	1·9	227	7	2·1	1·7	270	16	4·5	0.9	059	16	4·4	1·9	271
4·5 ,, .	16	7·3	5·7	330					10	4·3	1·8	269	4	2·5	1·6	316	13	5·3	1·2	153	13	4·5	0·3	112
5·4 ,, .	10	8·9	6·6	330					8	6.4	1·3	173	3	3·3	2·3	309	11	4·6	2·0	077	9	3·7	0·2	001
6·0 ,, .	10	9·2	7·3	321					5	4·4	3·1	195	2	4·5	2·9	283	10	4·3	2·1	010	7	3·9	1·4	081
7·2 ,, .	5	12·0	7·7	309					4	1·3	0·4	180	2	5·5	4·5	233	4	4·7	2·5	113	5	5·0	2.7	139
9·0 ,, .	2	9·0	8·7	303					1	7·0	7·0	065					1	6·0	6·0	235				

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 km. above mean sea level

September, 1965 (Bhadra 10—Asvina 8, 1887 Saka)

Station	JHARSUGUDA				JODHPUR																LUCKNOW/AMAUSI			
Time in I. S. T.	2330				0530*				1130				1730*				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	18	1·7	0·5	253	14	2·4	2·2	243	15	3·7	3·3	237	15	3·9	2·9	231	7	1·9	1·7	210	30	1·9	1·6	330
0·15 a. g.	18	5·7	2·0	236	14	5·6	5·3	250	15	6·4	5·8	249	15	4·4	3·0	233	7	7·4	5·3	216	28	6·4	2·2	262
0·3 a. m. s. l.	18	4·3	1·0	236	14	5·6	5·3	250	15	6·3	5·8	245	15	4·4	3·0	233	7	6·4	4·8	211	28	6·5	1·2	264
0·6 ,,	18	6·9	3·2	259	14	6·5	6·2	252	15	5·8	5·1	244	15	4·5	2·6	240	7	8·6	5·5	242	28	6·9	1·0	335
0·9 ,,	18	7·9	3·9	281	14	7·3	6·3	253	15	5·5	4·2	244	15	5·3	3·5	249	7	6·9	5·0	272	28	6·6	2·1	348
1·5 ,,	17	7·3	4·8	257	14	5·0	1·7	267	13	5·2	2·1	295	15	4·4	1·8	315	7	6·1	4·7	350	28	7·0	4·0	354
2·1 ,,	13	5·5	3·3	295	13	6·3	4·2	029	11	5·7	3·9	054	15	5·6	2·5	037	7	8·1	6·8	347	26	7·6	5·4	336
3·0 ,,	8	4·5	1·5	297	13	8·4	7·4	039	11	6·9	5·6	059	15	6·7	5·1	031	4	7·7	7·4	353	26	7·3	4·7	335
3·6 ,,					13	8·9	8·2	035	9	7·4	6·1	052	15	6·8	4·7	026					25	7·7	3·7	322
4·5 ,,					12	5·4	2·6	057	5	4·4	1·6	054	15	4·6	2·9	331					21	7·3	3·2	308
5·4 ,,					12	4·1	1·1	025	5	3·4	0·6	205	15	5·4	2·2	289					17	8·2	3·9	282
6·0 ,,					12	5·4	2·7	242	5	4·6	2·1	233	15	6·5	2·3	259					17	8·6	8·0	314
7·2 ,,					12	6·5	1·3	244	2	4·5	3·5	177	14	7·1	3·8	262					15	11·0	9·8	272
9·0 ,,					12	6·7	2·7	273					14	6·7	1·2	272					10	19·5	18·5	261

Station	LUCKNOW/AMAUSI								MADRAS/MINAMBAKKAM															
Time in I. S. T.	1730				2330				0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	2·2	0·7	322	30	1·6	0.3	343	30	4·4	3·7	253	30	3·1	2·7	286	30	3·1	1·2	178	30	2·9	2·3	185
0·15 a. g.	30	4·8	1·5	332	24	6·4	1·3	307	29	6·7	5·9	252	29	4·2	4·1	279	30	4·1	2·0	154	15	8·2	7·8	180
0·3 a. m. s. l.	30	4·8	1·4	330	24	6·6	1·2	300	29	7·1	6·3	260	29	4·9	4·8	277	30	3·9	1·4	181	15	8·3	8·0	184
0·6 ,,	30	5·6	1·7	324	24	7·3	1·6	306	29	7·1	6·4	268	29	5·7	5·3	285	30	3·7	1·7	259	14	6·1	5·5	186
0·9 ,,	29	6·0	2·2	311	24	7·8	2·3	319	29	6·2	5·6	280	29	5·7	5·3	296	30	4·3	2·9	282	14	5·1	3·8	207
1·5 ,,	29	6·8	3·6	326	22	8·9	5·1	325	29	5·6	5·1	300	29	5.3	4·5	292	30	5·4	4·7	296	14	4·9	3·7	268
2·1 ,,	27	8·0	4·7	329	21	9·3	5·1	220	29	5·5	4·6	310	29	5·8	4·3	302	30	6·7	5·7	302	13	6·8	6·2	292
3·0 ,,	25	8·0	5·0	328	14	8·6	6·2	327	29	6·3	4·9	306	29	6·1	4·6	295	30	6·9	6·0	295	11	8·1	7·0	309
3·6 ,,	22	7·7	4·8	326	5	6·4	2·3	028	27	6·2	4·8	296	26	5·7	4·9	274	30	7·1	6·2	290	8	6·6	6·3	303
4·5 ,,	19	7·4	4·9	309					27	5·1	4·4	262	25	6·1	5·0	251	29	5·9	4·8	280	7	5·0	4·5	262
5·4 ,,	19	7·9	5·6	297					27	4·6	3·1	267	25	5·1	2·9	260	29	5·3	3·4	264	1	5·0	5·0	255
6·0 ,,	18	9·2	6·5	289					27	4·1	1·7	268	22	4·4	2·3	254	29	4·7	2·3	272	1	4·0	4·0	005
7·2 ,,	12	10·7	9·6	277					27	5·7	1·2	079	16	4·3	0·5	121	29	4·3	0·5	204				
9·0 ,,	6	12·2	10·9	252					27	6·7	5·0	096	9	5·3	4·3	108	29	6·5	4·8	104				

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 km. above mean sea level

September, 1965 (Bhadra 10—Asvina 8, 1887 Saka)

Station	MANGALORE/BAJPE												MINICOY											
Time in I. S. T.	0530				1730				2330				0530				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface.	30	1·0	0·8	069	30	4·1	3·7	295	17	0·9	0·5	006	30	4·1	3·8	293	30	4·5	3·9	291	30	4·7	4·3	287
0·15 a. g.	28	3·6	2·2	357	30	6·0	5·6	290	15	4·8	4·3	317	29	6·4	6·2	302	29	6·5	6·2	302	30	7·4	7·2	291
0·3 a. m. s. l.	28	4·0	2·8	338	30	6·4	6·0	291	15	5·6	5·1	319	29	6·4	6·1	303	29	6·6	6·3	302	30	7·4	7·2	296
0·6 ,,	26	6·0	5·5	324	29	7·2	6·7	302	15	6·8	6·4	318	28	7·2	6·8	304	29	7·4	7·1	307	30	7·3	7·1	301
0·9 ,,	23	7·0	6·6	313	26	7·0	6·6	308	14	6·8	6·5	312	28	7·7	7·2	308	28	7·6	7·2	310	30	7·5	7·2	302
1·5 ,,	19	6·5	5·9	312	21	5·9	5·3	318	10	5·1	4·1	303	25	7·5	7·1	305	25	7·5	7·3	307	30	7·0	6·7	299
2·1 ,,	16	4·8	3·4	334	18	4·1	2·4	327	9	5·0	2·3	347	23	7·1	6·5	307	21	7·0	6·5	300	30	6·8	6·4	296
3·0 ,,	13	4·9	2·4	014	13	3·4	1·8	333	7	4·9	4·7	047	19	7·1	6·2	301	12	6·8	5·5	300	30	7·1	5·7	296
3·6 ,,	9	5·8	3·1	334	11	4·7	3·0	321	2	7·5	7·5	023	11	5·1	3·9	290	12	5·7	4·5	293	30	6·5	5·0	295
4·5 ,,	7	5·4	3·3	309	11	4·3	2·9	332	2	5·5	4·1	350	11	4·4	2·9	303	8	5·1	2·2	273	30	5·2	2·9	291
5·4 ,,	4	3·5	1·7	336	10	3·8	2·7	324					11	3·0	1·4	359	6	3·0	1·5	040	28	4·0	1·3	270
6·0 ,,	4	2·5	1·2	354	10	3·5	2·4	342					7	3·7	0·9	077	6	6·0	3·9	110	28	4·1	0·5	085
7·2 ,,	1	6·0	6·0	339	7	4·1	3·1	036					6	7·0	4·0	085	4	7·5	7·2	086	27	5·7	3·7	086
9·0 ,,	1	3·0	3·0	350	6	3·3	3·2	087					5	6·0	5·3	089	4	12.0	11·8	096	27	7·9	7·1	094

Station	MINICOY				NAGPUR/SONEGAON																NEW DELHI/ SAFDARJUNG			
Time in I. S. T.	2330				0530*				1130				1730*				2330				0530*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface.	30	4·4	4·0	294	27	1·4	1·0	329	30	3·0	2·1	317	30	1·4	1·0	314	30	1·8	1·5	339	30	2·3	2·2	278
0·15 a. g.	25	6·4	6·2	303	27	5.1	3·6	330	30	5·3	3·9	319	30	5·2	3·7	330	21	5·9	4·6	307	30	6·3	5·5	280
0·3 a. m. s. l.	25	6·5	6·3	305																	30	5·1	4·6	281
0·6 ,,	25	7·4	7·2	308	27	5.5	3·9	335	30	5·7	4·3	323	30	5·1	3·7	332	21	6·7	5·3	313	30	6·6	5·4	293
0·9 ,,	24	7·3	7·2	310	27	6·4	4·3	347	28	5·6	4·3	333	30	5·2	3·7	341	21	7·1	5·5	316	30	6·7	4·7	302
1·5 ,,	23	6·8	6·3	307	27	6·3	4·2	346	21	6·1	4·5	003	30	5·7	4·0	338	21	7·2	5·6	321	30	6·3	4·5	324
2·1 ,,	16	5·5	4·9	301	27	6·5	4·6	340	19	7·7	6·1	003	30	6·0	4·3	338	19	7·8	4·8	291	30	7·6	5·2	329
3·0 ,,	7	3·9	1·9	328	27	6·6	4·4	342	16	9·0	6·5	004	30	5·6	4·2	340	16	7·4	5·7	329	30	7·8	6·0	333
3.6 ,,	5	4·0	2·1	317	27	6·9	4·4	334	16	9·2	6·4	002	30	5·7	3·9	340	6	3·8	1·9	331	30	7·2	5·3	341
4·5 ,,	3	3·3	2·0	217	27	5·7	2·7	346	12	5·2	3·1	346	30	5·5	2·8	341	1	4·0	4·0	190	30	6·3	2·9	311
5·4 ,,	1	5·0	5·0	360	27	4·5	1·7	345	12	5·3	3·1	345	30	4·9	2·5	344	1	4·0	4·0	100	30	6·8	3·9	275
6·0 ,,	1	4·0	4·0	015	27	4·7	2·0	348	11	6·0	2·8	345	30	5·4	2·1	336	1	5·0	5·0	305	30	7·8	5·0	269
7·2 ,,					27	5·3	2·3	017	10	6·9	3·5	344	30	5·8	2·2	346					30	10·8	8·0	272
9·0 ,,					27	4·9	1·7	079	9	5.1	1·7	213	30	6·1	1·3	025					30	14·4	12·8	266

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 km. above mean sea level

September, 1965 (Bhadrá 10 – Asvina 8, 1887 Saka)

Station	NEW DELHI/SAFDARJUNG												POONA											
Time in I.S.T.	1130				1730*				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	3·5	2·9	291	30	2·4	1·9	306	14	2·7	1·5	236	30	0·4	0·4	270	30	2·3	2·2	277	16	0·9	0·9	273
0·15 a. g.	28	4·2	3·7	295	30	5·4	4·5	313	6	4·8	2·0	029	30	4·9	4·7	271	29	6·3	5·9	280	16	5·1	5·0	270
0·3 a. m. s. l.	28	4·1	3·6	290	30	3·6	2·8	314	6	4·7	2·1	037												
0·6 ,,	28	4·7	4·1	303	30	5·4	4·3	316	6	5·0	3·3	063	30	2·7	2·4	258	29	4·2	3·9	286	16	2·8	2·7	266
0·9 ,,	28	5·9	5·0	309	30	5·5	4·2	319	6	6·0	4·5	072	30	5·8	5·4	2·5	29	6·7	6·2	284	16	6·4	6·3	278
1·5 ,,	26	6·0	5·7	315	30	6·7	4·9	316	5	7·0	4·3	062	30	6·7	3·3	315	27	5·9	4·8	290	16	7·0	6·3	286
2·1 ,,	26	6·2	5·7	323	30	7·0	5·2	322	4	5·0	2·0	043	27	5·5	1·4	014	23	4·8	2·0	291	14	4·8	2·1	323
3·0 ,,	24	7·1	5·7	327	30	7·1	5·5	321	3	4·7	3·8	092	18	4·1	1·1	209	16	4·6	1·7	357	11	3·7	1·4	032
3·6 ,,	23	7·3	5·6	323	30	6·6	4·1	330	1	5·0	5·0	155	11	3·9	2·2	202	12	4·7	1·8	336	9	3·4	1·0	062
4·5 ,,	21	7·5	5·2	306	30	7·9	4·4	316					5	3·8	0·9	264	7	4·1	2·2	039	2	5·0	2·5	255
5·4 ,,	19	8·6	6.2	284	30	7·3	4·6	284					1	11·0	11·0	005	4	6·3	5·2	048				
6·0 ,,	19	9·3	6·7	283	29	7·8	5·8	283					1	9·0	9·0	055	4	7·5	6·3	062				
7·2 ,,	17	12·7	10·7	280	29	10·3	8·0	279					1	10·0	10·0	015	2	9·5	8·3	050				
9·0 ,,	17	19·0	15·7	278	29	14·2	12·3	273					1	4·0	4·0	356	2	5·5	5·5	068				

Station	PORT BLAIR																RAIPUR							
Time in I. S.T.	0530*				1130				1730*				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	5·9	5·6	235	30	6·6	5.6	255	30	5·6	5·3	231	30	4·1	3·8	242	30	1·5	0·7	114	30	2·1	0·3	296
0·15 a. g.	30	8·3	8·2	239	27	8·4	8·0	246	30	7·7	7·5	241	29	9·0	8·5	244	29	5·9	2·6	294	29	5·6	2·3	303
0·3 a. m. s. l.	30	8·8	8·6	239	27	9·0	8·8	246	30	7·8	7·6	241	29	9·7	9·1	245								
0·6 ,,	30	10·6	10·4	245	25	10·2	9·9	253	30	9·5	9·3	248	29	14·3	10·7	250	29	6·6	2·8	311	29	6·1	2·1	306
0·9 ,,	30	10·3	10·1	249	17	11.0	10·6	252	30	10·0	9·8	252	25	9·7	9·5	249	28	6·9	3·1	320	29	6·4	2·3	315
1·5 ,,	30	9·7	8·5	248	7	8·3	8·2	256	30	9·0	8·7	259	22	7·8	7·1	248	24	7·3	4·2	319	29	7·3	4·4	325
2·1 ,,	30	7·9	7·4	250	5	6·6	5·5	246	30	7·9	7·4	261	15	5·7	5·3	253	22	7·5	4·9	358	23	7·5	4·5	337
3·0 ,,	30	7·5	6·[illegible]	255	2	5·0	3·6	231	30	7·1	6·7	267	9	4·3	3·8	291	22	7·0	2·9	356	19	6·5	4·4	333
3·6 ,,	30	6·6	5·3	263					29	7·0	6·6	266	4	6·7	6·5	279	20	6·1	3·0	349	18	5·3	3·5	336
4·5 ,,	30	7·6	6·4	276					29	7·4	6·4	274	1	9·0	9·0	293	18	4·1	0·5	349	15	4·2	1·5	340
5·4 ,,	29	6·7	4·8	291					29	6·1	4·1	261					15	4·5	1·2	048	13	3·8	0·9	014
6·0 ,,	29	6·0	3·4	283					29	5·7	3.4	256					15	4.3	1·6	055	12	3·8	1·2	017
7·2 ,,	28	5·6	0·8	346					29	4·9	0·4	182					14	5·9	2·8	056	11	4·2	1·3	061
9·0 ,,	28	7·7	5	087					29	8·6	5·7	095					9	5·2	3·0	120	7	6·1	2·2	153

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 km. above mean sea level

September, 1965 (Bhadra 10— Asvina 8, 1887 Saka)

Station	RAIPUR				RAXAUL								SRINAGAR								TIRUCHCHIRAPPALLI			
Time in I.S.T.	2330				0530				1730				0530*				1730*				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	1·7	0·6	230	30	1.8	1·3	109	30	1·7	0·3	091	23	0·2	0·2	165	21	1·5	0·5	125	30	5·2	4·8	277
0·15 a. g.	27	5·5	1·4	253	28	5·4	2·8	108	30	4·3	0·8	123	23	2.2	1·6	109	21	2·5	0·7	293	30	9·9	9·7	279
0·3 a. m. s. l.					28	5·9	3·5	110	30	4·5	1.0	121									30	11·0	10·9	277
0·6 ,,	27	6·2	1·5	290	28	6.7	3·3	115	30	4·9	1·1	138									30	12·2	12·1	280
0·9 ,,	27	6·9	2·5	324	28	6·4	2·7	117	30	5·0	1.4	130									30	10·2	9·9	281
1·5 ,,	26	7·6	4·6	343	24	5·3	2·0	101	29	6.1	2·2	114									30	5·7	5·1	282
2·1 ,,	26	6·9	4·1	349	19	5·0	2·0	092	25	5·5	2·6	109	23	2.0	1·2	104	21	2·6	0·8	260	30	4·8	3·6	299
3·0 ,,	25	6·0	3·2	346	15	5·0	1·0	063	21	4·7	1·6	075	23	1·3	0·3	256	21	2·6	1·0	280	30	4·6	3·5	313
3·6 ,,	16	4·8	2·0	003	12	3·8	1·3	103	18	4·4	1.2	063	23	2·0	0·4	312	21	3·3	1·2	305	29	5·3	4·2	301
4·5 ,,	4	2·5	0·8	360	9	3.8	2.6	224	10	3·3	2.9	282	23	3·3	0·9	309	21	3·9	1·6	265	24	5.3	4.7	275
5·4 ,,	1	2·0	2·0	097	8	6.5	4.4	235	7	6·7	6.3	267	22	4·2	2.7	280	21	4·7	1·9	237	15	3.8	2·1	289
6·0 ,,					6	7.0	4.9	259	5	8·8	8·4	277	22	5.6	3·9	263	20	5.7	3·8	258	11	3.8	1.2	275
7·2 ,,					4	7.7	7.1	257	2	7·0	6·8	257	20	9·5	7.5	257	18	11·6	9·1	247	7	4.3	3.3	112
9·0 ,,					3	11.3	10.5	223	2	10·0	9.9	241	18	17.5	16.7	257	17	20·0	18·1	257	1	10.0	10.0	075

Station	TIRUCHCHIRAPPALLI								TRIVANDRUM															
Time in I.S.T.	1730				2330				0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	4·5	1·5	281	30	3·5	2·5	252	30	3·7	3·6	322	30	2·9	2·6	308	30	6·2	5·7	303	30	2·4	2·3	329
0·15 a. g.	29	5·7	2·7	281	26	5·7	4·5	251	30	8·1	8·0	325	30	5·9	5·4	309	30	8·8	8·5	299	30	5·7	5·5	322
0·3 a. m. s.l.	29	5·7	2·9	277	26	6·1	4·9	251	30	8·4	8·2	326	30	5.5	5.2	311	30	8.8	8.5	300	30	6.6	6.4	321
0·6 ,,	29	5·6	4·3	265	26	6·8	5·9	256	30	8·2	7.8	318	30	5.8	5.6	315	30	8.8	8.4	303	30	8.7	8.4	316
0·9 ,,	29	5·7	5·0	265	26	6·4	5·9	264	30	8·7	8·5	319	27	6.6	6.3	316	30	9.3	8.9	305	30	9.1	9.0	314
1·5 ,,	28	6·3	5·8	267	23	6·3	5·9	275	30	8·9	8·5	304	16	8.3	8.0	314	30	8.7	8.1	309	29	8.8	8·5	310
2·1 ,,	28	6·8	6·4	271	23	5·9	4·8	292	30	8·8	7·6	300	8	6·4	6·0	303	30	8·3	7·3	307	26	8·3	7·5	303
3·0 ,,	21	6·0	5·3	290	19	5·2	4·0	307	30	7·6	5·9	297	4	4·3	3·5	345	30	7·5	6·5	297	11	6.4	4·8	308
3·6 ,,	18	6·1	5·4	294	9	3·9	3.4	300	30	6.3	4.8	296	3	4·3	4·3	312	30	6.9	6.0	292	7	3·6	2·8	316
4·5 ,,	15	5·1	4·4	284	5	3·2	2.5	259	30	4.8	3.1	276	1	3·0	3·0	300	30	5.7	4.0	289	4	5·3	3.4	305
5·4 ,,	13	4·7	2·4	272	4	2.7	0.4	067	30	4.5	2.2	246	1	3·0	3·0	285	30	4·0	1·2	281	2	2·5	2·5	125
6·0 ,,	12	4·7	1·4	289	3	1.3	0.4	114	30	4.7	1.2	197	1	5·0	5.0	295	30	4.4	0.3	134	2	2·5	2·5	117
7·2 ,,	7	4·1	1.6	055					30	5.4	3.6	102					30	5.1	1·9	092	1	3.0	3·0	055
9·0 ,,	1	13.0	13.0	090					30	7.9	6.0	10.2					30	8.4	7.1	100				

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 km. above mean sea level

September, 1965 (Bhadra 10—Asvina 8, 1887 Saka)

Station	UDAIPUR												VENGURLA											
Time in I. S. T.	0530				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	0·2	0·1	330	30	0·8	0·6	260	30	0·3	0·2	299	30	0·3	0·3	360	30	2·3	2·0	289	30	0·4	0·3	350
0·15 a. g.	30	3·3	2·7	299	30	3·9	2·8	258	28	3·7	3·3	279	28	4·2	3·3	335	29	7·3	6·8	292	30	4·2	3·6	321
0·3 a. m. s. l.													28	5·9	5·0	328	29	7·8	7·3	302	30	5·3	4·9	320
0·6 ,,													28	7·0	6·2	319	29	7·9	7·3	306	30	6·5	6·0	319
0·9 ,,	30	4·1	3·3	297	30	4·1	3·0	273	28	4·9	4·2	289	26	6·8	6·2	314	28	7·7	7·2	306	26	6·1	5·8	313
1·5 ,,	30	4·3	1·6	313	30	3·9	2·5	290	28	4·3	4·2	295	15	5·7	4·5	309	20	6·1	5·3	314	22	5·7	5·2	298
2·1 ,,	30	4·8	1·4	320	30	3·9	1·6	345	28	4·2	0·8	037	13	5·3	2·0	312	14	3·7	2·6	320	12	4·7	2·1	292
3·0 ,,	30	5·7	2·2	040	28	3·9	1·6	005	28	4·3	1·6	033	3	3·3	2.0	228	12	5·4	2·8	323	9	2·9	0·9	018
3·6 ,,	29	4·9	1·7	015	28	4·4	2·5	355	27	4·0	1·5	011	1	4·0	4·0	241	10	4·2	2·4	343	6	2·7	1·6	304
4·5 ,,	29	4·7	1·5	342	27	5·6	2·8	345	22	3·8	1·1	014					9	6·4	4·1	330				
5·4 ,,	29	5·4	2·6	337	23	5·9	3·8	345	2	6·0	1·9	298					8	6·5	3·2	312				
6·0 ,,	29	6·6	3·7	309	21	6·4	4·2	325									7	7·4	4.4	343				
7·2 ,,	26	8·1	5·4	308	17	7·4	5·6	310									1	13·0	13·0	260				
9·0 ,,	25	8·8	6·8	294	15	8·6	5·1	300																

Station	VERAVAL												VIJAYWADA/GANNAVARAM											
Time in I. S. T.	0530				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	4·0	3·1	065	30	6·7	6·4	273	30	5·0	4·4	281	30	2·2	1·8	259	30	2·9	1·3	302	20	1·9	1·0	184
0·15 a. g.	30	6·1	5·4	290	30	6·9	6·6	276	16	7·1	6·5	284	27	5·3	4·3	255	30	4·8	2·3	307	23	4·4	1·2	210
0·3 a. m. s. l.	30	6·7	6·0	287	30	6.5	6·3	277	16	7·7	7·1	283	27	6·4	4·9	262	30	5·1	2·6	315	23	4·8	1·0	272
0·6 ,,	30	6·4	5·7	277	30	5.3	4.8	274	16	7·0	6·5	279	27	7·5	5·0	273	30	5·4	3·0	316	23	6·0	2·3	301
0·9 ,,	29	5·4	4·6	266	30	4·8	4·0	271	16	5·7	4·9	274	27	7.7	4·6	286	30	6·3	4·0	316	23	6·8	3·7	303
1·5 ,,	29	4·9	2·3	234	30	4·1	2·0	258	15	4·2	2·4	245	27	7·9	4·5	299	28	7·9	6·0	307	23	7·5	4·7	304
2·1 ,,	27	4·9	1·3	172	29	4·2	0·9	274	14	4·4	0·5	205	24	8·3	5·9	316	26	9·2	7·2	306	22	8·6	6·2	306
3·0 ,,	26	4.5	1·1	042	28	4·8	1·0	355	13	5·5	3·0	062	22	7·2	5·0	330	24	8·2	6·2	305	20	7·5	5·6	305
3·6 ,,	16	4·2	1·4	235	27	4·3	1·4	014	12	5·1	2·7	060	19	6·1	4·2	325	22	6.4	5·4	307	15	5·3	3·3	330
4·5 ,,	13	4·2	1.3	067	27	4·3	1·0	350	8	5·1	3·2	026	14	5·0	3·3	324	19	5·2	3·5	302	13	5.2	2·3	327
5.4 ,,	12	5·3	1·3	006	28	4·9	2·0	335	4	4·8	2·4	343	11	6·4	3·1	325	18	6·1	3·2	305	5	4·2	2·4	010
6.0 ,,	12	5·6	1·1	052	28	5·3	2·1	333	3	5·3	4·2	336	11	5·5	2·4	316	16	4·9	2·2	313	3	5·7	4·7	055
7·2 ,,	7	7·9	1·4	001	26	5·0	2·7	342	1	7·0	7·0	330	10	5·8	2·4	314	13	4·7	1·2	018				
9.0 ,,	4	8·3	2·7	305	21	6·6	3·6	023					7	6·6	0·9	111	6	5·3	3·7	087				

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9 Km. above mean sea level

~~September, 1965 (Bhadra 10—Asvina 8, 1887 Saka)~~

Station	VISHAKHAPATNAM															
Time in I. S. T.	0530*				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	3·0	1·9	301	30	3·0	1·9	198	30	2·4	0·9	262	30	2·5	1·6	262
0.15 a. g. .	30	6·7	4·4	318	30	6·1	3·7	192	30	4·5	1·7	298	29	4·7	2·5	255
0.3 a. m. s. l. .	30	6·6	4·1	309	30	6·1	3·4	205	30	4·7	1·8	280	29	5·0	2·6	247
0·6 ,, .	30	7·0	3·4	264	30	6·5	3·1	235	30	5·5	2·2	244	28	5·1	2·5	259
0.9 ,, .	30	6·9	2·6	269	29	6·9	3·2	251	30	6·4	1·7	255	25	5·2	2·2	279
1.5 ,, .	30	7·5	3·2	288	26	7·3	2·3	303	30	7·4	2·3	307	19	6·3	4·1	320
2.1 ,, .	30	7·7	3·9	288	24	7·8	2·5	328	30	7·9	3·1	308	9	5·3	4·7	302
3.0 ,, .	30	6·3	2·6	306	20	7·2	2·1	350	30	7·2	2·8	300	6	6·2	4·8	292
3.6 ,, .	30	6·3	2·3	316	20	6·5	1·9	005	30	6·5	2·9	293	3	5·3	4·0	313
4·5 ,, .	30	5·6	0·8	303	15	6·5	1·3	010	30	6·4	1·8	270	1	7·0	7·0	285
5.4 ,, .	30	5·8	1·1	069	7	5·7	2·5	035	30	6·5	1·5	277				
6.0 ,, .	30	5·5	1·1	102	6	5·5	1·9	349	30	6·4	0·5	315				
7.2 ,, .	30	6·0	2·4	102					30	6·3	1·0	112				
9.0 ,, .	30	8·2	5·9	112					28	7·3	5·4	099				

Table V—Monthly Mean Directions and Velocities of Upper Winds

Winds above 9.0 km. above mean sea level

September, 1965 (Bhadra 10—Asvina 8, 1887 Saka)

AHMEDABAD

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	29	8·2	2·4	316
12·0	29	9·4	2·6	244
14·1	28	11·3	5·5	163
16·2	27	10·0	6·5	117
18·0	21	10·6	8·7	089
21·0	6	15·5	15·0	086
24·0	2	23·0	22·7	087
27·0	1	22·0	22·0	095

1130 hr.

Ht. in Km.	n	V	v	D
10·5	11	10·5	6·2	277
12·0	8	10·0	6·8	230
14·1	5	9·6	7·2	179
16·2	3	11·3	10·5	117
18·0	2	9·0	5·3	101

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	30	8·9	2·4	298
12·0	30	10·6	2·6	158
14·1	29	12·4	5·9	150
16·2	28	13·1	9·5	116
18·0	25	13·9	12·6	110
21·0	15	12·5	11·6	086
24·0	7	18·1	15·4	070
27·0	3	19·3	19·2	076

ALLAHABAD/BAMHRAULI

0530 hr. *

Ht. in Km.	n	V	v	D
10·5	21	11·5	9·9	245
12·0	21	12·0	10·1	235
14·1	13	13·2	7·6	225
16·2	4	8·0	5·1	130
18·0	1	4·0	4·0	134

1130 hr.

Ht. in Km.	n	V	v	D
10·5	8	9·4	7·0	252
12·0	3	9·3	5·2	244
14·1	1	18·0	18·0	147

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	26	11·4	8·4	229
12·0	25	13·0	7·3	236
14·1	17	13·1	8·2	245
16·2	7	9·3	2·3	139
18·0	4	6·7	6·0	102

AMBALA

1130 hr.

Ht. in Km.	n	V	v	D
10·5	1	27·0	27·0	276
12.0	1	43·0	43·0	256

ANANTAPUR

0530 hr.

Ht. in Km.	n	V	v	D
10·5	2	3·0	2·1	039
12·0	1	8·0	8·0	041
14·1	1	10·0	10·0	075
16·2	1	16·0	16·0	120

ASANSOL

0530 hr.

Ht. in Km.	n	V	v	D
10·5	4	8·7	4·7	204
12·0	4	11·3	6·7	189
14·1	4	9·5	6·8	192
16·2	1	6·0	6·0	184
18·0	1	4·0	4·0	072
21·0	1	9·0	9·0	065

1730 hr.

Ht. in Km.	n	V	v	D
10 5	6	9·8	7·3	216
12·0	4	11·5	7·4	175
14·1	1	9·0	9·0	229

BAHRAICH

0530 hr.

Ht. in Km.	n	V	v	D
10·5	2	27·5	26·5	264

1130 hr.

Ht. in Km.	n	V	v	D
10·5	2	18·5	18·4	243

1730 hr.

Ht. in Km.	n	V	v	D
10·5	3	12·3	11·3	210
12·0	2	19·0	18·5	198
14·1	1	7·0	7·0	250

BANGALORE

0530 hr.@

Ht. in Km.	n	V	v	D
10·5	7	9·7	8·4	101
12·0	7	16·9	16·1	097
14·1	7	25·0	24·5	101
16·2	6	21·0	20.0	094
18·0	5	15·8	15·6	090
21·0	2	18·0	18·0	086
24·0	1	21·0	21·0	090

1130 hr.

Ht. in Km.	n	V	v	D
10·5	2	8·5	7.5	101
12·0	2	10·0	9·9	088
14·1	2	23.5	22.5	083
16·2	2	25·5	25·3	090
18·0	2	19·0	18.7	080
21·0	1	24·0	24·0	120

1730 hr.@

Ht. in Km.	n	V	v	D
10·5	16	9·3	7·1	108
12·0	12	15·7	15·1	103
14·1	11	23·2	22·6	105
16·2	8	14·1	13·7	095
18·0	7	11·7	11·5	091
21·0	5	17·2	15·6	083
24·0	2	22·5	22·4	087

BAREILLY

0530 hr.

Ht. in Km.	n	V	v	D
10·5	3	15·0	14·3	263
12·0	1	5·0	5·0	214
14·1	1	9·0	9·0	236

1730 hr.

Ht. in Km.	n	V	v	D
10·5	1	25·0	25·0	240
12·0	1	25·0	25 0	240

BEGAMPET

0530 hr.

Ht. in Km.	n	V	v	D
10·5	3	8·0	4·3	319
12·0	3	11·3	4·5	318
14·1	1	7·0	7·0	100
16·2	1	15·0	15·0	150

1730 hr.

Ht. in Km.	n	V	v	D
10·5	3	4·3	2·1	095
12·0	1	5·0	5·0	140

BHOPAL/BAIRAGARH

0530 hr.

Ht. in Km.	n	V	v	D
10·5	1	9·0	9·0	255
12·0	1	5·0	5·0	220

BHUBANESHWAR

0530 hr.

Ht. in Km.	n	V	v	D
10·5	1	19·0	19·0	105
12·0	1	24·0	24·0	095

BIKANER

0530 hr.

Ht. in Km.	n	V	v	D
10·5	2	35·5	35·5	290

BOMBAY/SANTACRUZ

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	25	8·1	6·0	081
12·0	25	11·4	10·4	090
14·1	21	16·3	15·2	085
16·2	19	17·1	16·2	092
18·0	11	10·9	10·6	079
21·0	4	15·3	15·1	081

1130 hr.

Ht. in Km.	n	V	v	D
10·5	1	9·0	9·0	080

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	26	8·4	6·5	070
12·0	26	11·9	9·4	086
14·1	15	15·5	14·1	096
16·2	11	16·6	15·7	100
18·0	6	13·2	12·7	089
21·0	3	12·3	12·1	085

CALCUTTA/DUMDUM

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	30	8·2	4·0	123
12·0	30	10·7	6·3	125
14·1	29	13·2	7·7	114

0830 hr.

Ht. in Km.	n	V	v	D
16·2	27	12·0	9·7	101
18·0	22	12·2	11·1	101
21·0	4	12·3	12·2	098

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	29	6·7	3·5	155
12·0	27	9·3	5·1	142
14·1	27	11·0	6·8	101
16·2	26	13.1	10·4	104
18·0	17	10·4	10·0	098
21·0	6	9·7	9·0	084

DEHRADUN

0530 hr.

Ht. in Km.	n	V	v	D
10·5	1	26·0	26·0	270

1730 hr.

Ht. in Km.	n	V	v	D
10·5	1	25·0	25·0	266
12·0	1	24·0	24·0	266

GADAG

0530 hr.

Ht. in Km.	n	V	v	D
10·5	9	6·7	5·4	093
12·0	7	9·4	8·2	090
14·1	7	14·7	13·5	104
16·2	7	17·7	17·1	101
18·0	6	15·8	14·9	093
21·0	4	18·7	18·2	097

1730 hr.

Ht. in Km.	n	V	v	D
10·5	3	9·7	7·9	075
12·0	3	12·0	10·9	070
14·1	2	12·5	12·5	088
16·2	2	10·0	9·6	100
18·0	1	8·0	8·0	099

GANGTOK

0830 hr.

Ht. in Km.	n	V	v	D
10·5	6	16·0	10·9	202
12·0	4	17.0	8·9	186
14·1	3	16·0	9·0	137
16·2	2	13·0	12·7	136
18·0	2	10·5	10·2	117
21·0	1	18·0	18·0	145

GAUHATI

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	27	11·7	7·3	239
12·0	27	13·1	7·6	244
14·1	23	14·7	5·7	267
16·2	13	8·6	4·0	124
18·0	5	7·2	4·5	074
21·0	2	9·0	9·0	083

1130 hr.

Ht. in Km.	n	V	v	D
10·5	1	10·0	10·0	240

GAUHATI

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	26	12·9	6·6	244
12·0	25	13·0	5·6	228
14·1	24	12.5	4.3	230
16·2	15	10·6	2·2	120
18·0	5	9·2	7·1	078
21·0	1	9·0	9·0	115

GAYA

0530 hr

Ht. in Km.	n	V	v	D
10·5	2	8·5	8·5	240
12·0	1	11·0	11·0	255

1730 hr.

Ht. in Km.	n	V	v	D
10·5	4	9·5	8·1	250
12·0	2	10·5	7·5	247
14·1	1	11·0	11·0	255

GORAKHPUR

0530 hr.

Ht. in Km.	n	V	v	D
10·5	1	19·0	19·0	235
12·0	1	17·0	17·0	240

1730

Ht. in Km.	n	V	v	D
10·5	2	21·5	21·4	254
12·0	1	18·0	18·0	245

GWALIOR

0530 hrs.

Ht. in Km.	n	V	v	D
10·5	7	17·4	15·4	260
12·0	3	20·7	19·6	252
14·1	2	14·5	10·8	229

1130 hr.

Ht. in Km.	n	V	v	D
10·5	8	15·1	13·4	243
12·0	5	15·8	12·9	230
14·1	4	11·3	4·8	251
16·2	1	8·0	8·0	140
18·0	1	6·0	6·0	100

1730 hr.

Ht. in Km.	n	V	v	D
10·5	11	12·6	11·4	192
12·0	5	14·0	8·3	228
14·1	3	14·3	10·8	220
16·2	2	10·5	8·7	171
18·0	1	12·0	12·0	135

JABALPUR

0530 hr.

Ht. in Km.	n	V	v	D
10·5	4	16.5	4·1	251
12·0	3	12·0	7·3	212
14·1	1	7·0	7·0	115

TABLE V—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds above 9.0 km. above mean sea level

September, 1965 (Bhadra 10—Asvina 8, 1887 Saka)

Ht. in Km.	n	V	v	D
	JAGDALPUR			
	0530 hr.			
10·5	5	11·2	6·9	239
12·0	1	5·0	5·0	130
14·1	1	13·0	13·0	155
	1730 hr.			
10·5	2	6·0	4·3	119
12·0	1	5·0	5·0	106
	JHARSUGUDA			
	0530 hr.			
10·5	1	5·0	5·0	253
	JODHPUR			
	0530 hr.*			
10·5	12	5·7	2·3	260
12·0	10	5·0	2·7	218
14·1	8	11·2	7·8	144
16·2	3	11·3	9·6	155
18·0	2	10·5	9·7	109
	1730 hr.*			
10·5	14	5·4	2·6	242
12·0	14	7·8	5·5	156
14·1	8	10·6	10·1	140
16·2	2	8·0	8·0	170
18·0	1	8·0	8·0	135
	LUCKNOW/AMAUSI			
	0530 hr.			
10·5	5	19·2	18·7	243
12·0	1	22·0	22·0	250
	1730 hr.			
10·5	4	14·3	12·5	250
12·0	2	17·5	9·7	251
	MADRAS/ MINAMBAKKAM			
	0530 hr.*			
10·5	27	10·9	9·3	096
12·0	27	15·9	15·1	095
14·1	21	22·8	21·8	095
16·2	13	18·9	18·0	093
18·0	7	14·7	14·5	088
21·0	4	19·0	19·0	084
24·0	1	27·0	27·0	080
	1130 hr.			
10·5	4	9·0	8·1	107
12·0		23·0	23·0	110

Ht. in Km.	n	V	v	D
	1730 hr.*			
10·5	29	9·9	9·0	096
12·0	29	15·8	15·3	093
14·1	21	22·8	22·4	094
16·2	18	19·8	19·4	091
18·0	8	16·9	16·7	088
21·0	1	15·0	15·0	085
24·0	1	26·0	26·0	090
	MANGALORE/BAJPE			
	1730 hr.			
10·5	4	7·0	5·3	087
12·0	4	12·0	11·3	097
14·1	3	24·7	24·4	102
16·2	3	26·3	25·7	084
18·0	1	22·0	22·0	080
21·0	1	21·0	21·0	120
	MINICOY			
	0530 hr.			
10·5	5	12·6	12·5	098
12·0	4	22·7	22·3	100
14·1	2	26·0	26·0	093
	1130 hr.			
10·5	3	18·3	18·3	113
12·0	2	26·0	26·0	100
14·1	2	21·5	21·4	073
	1730 hr.*			
10·5	27	13·4	12·8	099
12·0	27	21·0	20·6	090
14·1	22	26·4	25·9	095
16·2	20	16·5	14·5	089
18·0	17	13·7	11·3	091
21·0	9	15·3	12·5	084
24·0	4	27·8	27·4	093
	NAGPUR/SONEGAON			
	0530 hr.*			
10·5	27	5·7	3·5	112
12·0	27	7·3	4·2	123
14·1	24	11·0	7·9	109
16·2	12	11·8	9·4	111
18·0	5	12·2	11·9	112
21·0	3	9·7	8·9	090
	1130 hr.			
10·5	8	5·9	3·1	152
12·0	5	7·4	2·9	177
14·1	3	5·0	4·7	192
16·2	3	9·3	7·1	138

Ht. in Km.	n	V	v	D
	1730 hr.*			
10·5	30	7·8	1·6	087
12·0	30	8·2	2·7	122
14·1	25	9·6	3·6	126
16·2	13	10·1	9·2	105
18·0	6	16·2	15·8	094
21·0	2	7·0	6·9	100
	NEW DELHI/ SAFDARJUNG			
	0530 hr.*			
10·5	30	15·7	13·5	261
12·0	30	17·3	15·0	248
14·1	29	17·7	14·1	245
16·2	28	9·3	7·1	240
18·0	25	6·6	1·6	078
21·0	21	7·9	7·4	092
24·0	13	13·8	13·5	017
27·0	4	14·8	14·7	090
	1130 hr.			
10·5	14	23·2	21·9	271
12·0	10	21·0	19·1	263
14·1	7	17·7	16·7	268
16·2	2	7·0	3·0	256
18·0	1	3·0	3·0	160
	1730 hr.*			
10·5	29	16·0	13·9	262
12·0	29	16·9	13·8	252
14·1	26	18·1	14·8	240
16·2	25	10·6	8·2	234
18·0	24	6·3	2·5	167
21·0	12	7·3	6·3	091
24·0	6	6·7	6·3	087
27·0	2	11·0	11·0	068
	PORTBLAIR			
	0530 hr.*			
10·5	27	11·4	9·5	085
12·0	26	17·8	17·1	086
14·1	22	29·3	28·7	083
16·2	10	33·7	33·1	090
18·0	4	13·0	17·7	081
	1730 hr.*			
10·5	29	12·1	10·4	083
12·0	28	17·9	16·5	079
14·1	18	26·5	25·8	081
16·2	7	31·7	31·8	083

Ht. in Km.	n	V	v	D
	RAIPUR			
	0530 hr.			
10·5	6	5·5	2·8	161
12·0	3	10·3	7·9	168
	RAXAUL			
	0530 hr.			
10·5	1	17·0	17·0	240
12·0	1	16·0	16·0	250
	1730 hr.			
10·5	2	13·5	13·5	236
12·0	2	12·5	12·5	252
14·1	1	12·0	12·0	220
16·2	1	9·0	9·0	235
	SRINAGAR			
	0530 hr.*			
10·5	15	26·1	25·5	259
12·0	13	30·9	30·1	260
14·1	5	31·4	30·3	258
16·2	1	23·6	23·0	260
	1730 hr.*			
10·5	16	24·0	21·9	260
12·0	15	29·5	26·6	258
14·1	7	22·1	21·3	255
16·2	3	28·3	26·3	250
18·0	1	5·0	5·0	280
	TIRUCHCHIRAPPALLI			
	0530 hr.			
10·5	1	15·0	15·0	095
	TRIVANDRUM			
	0530 hr.*			
10·5	30	12·3	11·5	097
12·0	30	17·8	16·5	091
14·1	23	23·7	23·3	092
16·2	15	19·7	18·9	096
18·0	7	11·6	10·8	097
21·0	5	14·8	14·2	094
	1730 hr.*			
10·5	30	11·7	10·2	101
12·0	30	17·7	16·7	085
14·1	26	24·1	23·5	089
16·2	20	20·4	19·5	089
18·0	12	13·0	12·5	094
21·0	3	14·0	13·7	097

Ht. in Km.	n	V	v	D
	UDAIPUR			
	0530 hr.			
10·5	23	11·0	7·6	271
12·0	13	11·4	6·5	257
14·1	9	13·1	6·3	230
16·2	4	15·3	13·0	127
18·0	3	7·7	7·0	068
21·0	1	21·0	21·0	035
24·0	1	34·0	34·0	095
27·0	1	45·0	45·0	105
	1730 hr.			
10·5	10	10·9	6·9	266
12·0	3	9·7	7·0	220
14·1	1	11·0	11·0	190
	VERAVAL			
	0530 hr.			
10·5	1	6·0	6·0	010
	1730			
10·5	14	7·9	4·0	060
12·0	8	7·9	3·3	110
14·1	6	10·3	10·2	115
16·2	3	12·0	11·6	116
	VIJAYWADA/ GANNAVARAM			
	0530 hr.			
10·5	7	8·1	4·2	080
12·0	5	9·8	1·6	141
14·1	2	9·0	5·9	086
16·2	2	5·5	3·3	120
18·0	1	3·0	3·3	360
21·0	1	30·0	30·0	095
	1730 hr.			
10·5	3	12·7	12·6	080
12·0	1	30·0	30·0	115
	VISHAKHAPATNAM			
	0530 hr.*			
10·5	30	10·4	9·2	102
12·0	29	13·4	11·2	086
14·1	14	20·1	18·0	099
16·2	3	25·3	23·7	079
	1730 hr.*			
10·5	28	10·1	8·8	104
12·0	28	13·4	12·1	097
14·1	17	19·5	17·7	093
16·2	9	25·0	22·6	090
18·0	1	30·0	30·0	090

RADIOSONDE DATA

September, 1965 (Bhadra 10—Asvina 8, 1887 Saka)

During the month, observations of upper air temperature, pressure and humidity were made at 15 stations in India as given in the list below. For detailed description of the instruments used, a reference may be made to the I.M.D. Scientific Notes Nos. 112 and 113 (Volume IX).

LIST OF RADIOSONDE STATIONS IN INDIA

No.	Name of station	Type of instrument used	Date of starting	Hours of routine observations in G.M.T. during the month	Remarks
1	Ahmadabad	Fan type	20th July 1961	00 and 12	
2	Allahabad/Bamhrauli	Clock type	1st October 1944	00 and 12	
3	Bangalore	Fan type	10th March 1961	00 and 12	
4	Bombay/Santa Cruz	Clock type	7th September 1954	00 and 12	
5	Calcutta/Dum Dum	Clock type	13th December 1946	00 and 12	Fan type used from 13-12-46 to 30-11-47.
6	Gauhati	Clock type	22nd July 1955	00 and 12	
7	Jodhpur	Clock type	17th April 1946	00 and 12	
8	Madras/Minambakkam	Fan type	29th June 1946	00 and 12	
9	Minicoy	Fan type	12th May 1963	12	
10	Nagpur/Sonegaon	Fan type	1st October 1946	00 and 12	
11	New Delhi/Safdarjung	Clock type	3rd December 1943	00 and 12	
12	Port Blair	Fan type	4th December 1949	00 and 12	
13	Srinagar	Clock type	1st August 1962	00 and 12	
14	Trivandrum	Fan type	1st July 1947	00 and 12	
15	Vishakhapatnam	Fan type	8th December 1946	00 and 12	

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(A) From Ascents at 00 Hours G.M.T.

September, 1965 (Bhadra 10— Asvina 8, 1887 Saka)

Standard Pressure Surface mb.	AHMADABAD Surf. Pr. (1006 mb.)						ALLAHABAD/BAMHRAULI (992 mb.)						BANGALORE (908 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A Mean	Max.	Min.	Dew point	No. of Obs.	Ht. gpm.	Temperature °A Mean	Max.	Min.	Dew point	No. of Obs.	Ht. gpm.	Temperature °A Mean	Max.	Min.	Dew point
Surface	30	055	298·9	301	297	295·5	30	098	298.4	301	295	296·4	30	921	292·8	293	290	291·7
1000	30	058	298.9	302	297	295·1	29	030	..	..	..	..	30	089	..	..	..	..
900	30	985	295·7	300	292	289·4	29	955	295·5	299	291	289·9	30	1001	292·6	295	291	291·1
850	30	1481	293·0	297	291	286·3	29	1450	292·3	296	289	286·8	30	1493	291·1	295	289	288·7
800	30	2003	290·0	294	287	282·0	29	1970	288·7	292	285	283·3	30	2012	289·3	292	287	285·4
700	30	3128	282·6	287	278	274·8	29	3091	281·9	287	277	275·0	30	3135	283·1	285	281	278·4
600	30	4393	276·4	280	273	263·4	29	4355	276·5	281	271	263·2	30	4403	276·6	279	273	271·3
500	30	5857	269·8	274	264	..	28	5812	268·2	274	263	..	30	5865	269·1	270	267	..
400	30	7590	259·5	267	255	..	27	7535	258·7	265	251	..	30	7591	253·3	260	256	..
300	29	9722	245·5	248	241	..	26	9665	244·6	252	224	..	29	9711	238·2	246	239	..
250	29	11010	236·2	240	231	..	26	10953	236·1	243	231	..	29	10989	229·1	239	230	..
200	29	12522	225·1	228	221	..	26	12464	225·5	232	218	..	30	12487	218·5	230	220	..
175	29	13390	218·3	222	213	..	26	13337	218·6	228	207	..	27	13362	212·4	225	213	..
150	28	14363	211·4	215	206	..	24	14317	211·7	218	205	..	27	14328	200·3	219	205	..
125	28	15471	204·3	210	199	..	21	15496	204·7	215	198	..	25	15420	200·5	213	198	..
100	26	16792	198·3	201	193	..	18	16722	200.2	207	192	..	25	16714	202·0	209	196	..
80	22	18093	201·9	209	195	..	9	18037	203·1	219	197	..	23	18117	205·5	215	199	..
70	18	18904	205·4	213	201	..	7	18835	204·0	211	201	..	20	18924	208·7	215	201	..
60	13	19831	209 4	218	205	..	..	..	..	..	..	..	16	19912	211·9	217	205	..
50	9	20981	213.0	218	206	..	..	..	..	..	..	..	13	20951	215·3	222	209	..
40	8	22378	215·3	222	203	..	..	..	..	..	..	..	8	22388	218·4	221	217	..
30	5	24206	222·6	228	216	..	..	..	..	..	..	..	7	24165	223·6	227	216	..
20		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

	BOMBAY/SANTACRUZ Surf Pr. (1007 mb.)						CALCUTTA/DUM DUM (1004 mb.)						GAUHATI (1001 mb.)					
Surface	30	013	298·1	301	296	296·2	30	006	299·2	302	297	298·3	30	049	298.4	301	297	297.3
1000	30	072	298·1	299	295	296·0	30	040	299·2	301	297	297.9	30	056	297·8	301	297	296·5
900	30	992	293·3	295	291	290·4	30	966	294·6	297	291	291·7	30	979	295·6	297	294	292.4
850	30	1485	291·1	293	289	286·8	30	1461	292·0	295	288	288·6	30	1474	292·9	295	291	289·4
800	30	2004	288·5	291	285	283·5	30	1981	289·1	297	285	285·1	30	1995	290·0	295	288	286·2
700	30	3126	282·2	285	277	276·3	30	3108	283·5	287	279	278·6	30	3122	284·1	288	281	279·5
600	30	4392	276·5	282	273	267.8	30	4380	277·0	280	273	272.4	30	4395	277·8	281	275	271·1
500	29	5853	269·7	273	265	..	30	5846	269·3	272	266	..	30	5859	269·9	273	267	..
400	26	7587	259·3	263	256	..	30	7577	259·6	263	256	..	30	7593	260·6	264	258	..
300	25	9715	244·7	248	241	..	30	9712	246·0	252	241	..	28	9737	246·7	251	244	..
250	25	10998	234·9	239	232	..	30	11003	237 1	244	231	..	27	11034	231·2	243	232	..
200	25	12498	222·6	227	219	..	30	12518	225·9	233	218	..	27	12546	227·1	232	222	..
175	22	13351	216·5	223	213	..	30	13393	219·3	226	211	..	25	13426	228·8	227	215	..
150	22	14319	210·1	216	205	..	29	14365	212·7	218	206	..	23	14402	214.2	221	209	..
125	22	15421	202·9	209	197	..	29	15489	205·4	214	201	..	17	15538	206.7	215	201	..
100	22	16737	199·8	208	194	..	27	16825	199·6	207	188	..	11	16871	201·8	208	193	..
80	15	18050	203·6	213	200	..	24	18144	202.2	209	195	..	..		..	..	..	..
70	13	18851	206·9	215	201	..	21	18856	205·8	212	195	..	..	..	..	..	..	..
60	12	19782	211·6	218	207	..	21	19888	210·7	217	197	..	..	..	..	..	..	..
50	10	20906	215.8	221	209	..	16	21084	214·5	220	203	..	..	..	..	..	..	..
40	5	22444	221·6	226	216	..	12	22430	219·8	224	211	..	..	..	..	..	..	..
30	..	..	..	..	..	..	5	24223	222·4	227	217	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(A) From Ascents at 00 Hours G. M. T.

September, 1965 (Bhadra 10—Asvina 8, 1887 Saka)

Standard Pressure Surface mb.	JODHPUR Surf. Pr. (980 mb.)						MADRAS/MINAMBAKKAM (1005 mb.)						NAGPUR/SONEGAON (970 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A.				No. of obs.	Ht. gpm.	Temperature° A.				No. of obs.	Ht. gpm.	Temperature °A.			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	13	218	299·1	302	297	295·3	30	015	299·2	301	297	296·3	30	311	295·8	299	292	293·8
1000	13	038	..	..	..	..	28	059	299·3	301	297	295·7	30	049	..	..	..	..
900	13	963	296·6	299	295	290·4	28	985	296·4	298	295	288·7	27	974	296·5	301	292	290·5
850	13	1463	295·1	300	292	285·8	28	1482	292.9	295	291	287·6	27	1472	293·1	297	290	288.2
800	13	1987	292·1	297	289	282·3	28	2003	289.4	291	287	284·9	27	1994	289·4	293	287	285·2
700	13	3116	283·7	287	281	274·3	28	3127	282·8	281	267	276·2	27	3120	282·5	287	279	278·4
600	13	4376	277·3	281	274	259·7	28	4394	276·6	279	273	269·4	27	4389	277·0	281	271	270·3
500	13	5843	271·1	273	269	..	28	5851	268·7	272	265	..	27	5854	269·7	273	267	..
400	12	7587	261·2	264	259	..	28	7579	258·0	262	254	..	27	7590	259 2	263	253	..
300	12	9735	247·8	250	246	..	28	9696	242·7	246	239	..	27	9710	244·1	248	239	..
250	11	11031	238·5	241	237	..	28	10967	233·2	237	229	..	27	10989	234 5	240	229	..
200	11	12549	227·0	231	223	..	28	12456	221·4	225	213	..	27	12488	222·8	230	217	..
175	10	13426	220·9	225	215	..	25	13299	215·9	220	208	..	26	13340	216·2	223	210	..
150	9	14411	213·5	219	207	..	23	14279	209·5	215	207	..	26	14311	209·4	216	204	..
125	9	15529	205·7	210	201	..	20	15368	203·5	207	195	..	24	15403	203·6	211	198	..
100	8	16860	200 1	210	194	..	16	16705	202·3	207	197	..	22	16743	198·5	202	191	..
80	5	18169	201·8	211	195	..	9	18054	207·4	211	203	..	14	18053	202·3	207	196	..
70							9	18888	211·7	214	209	..	14	18847	205·7	211	197	..
60							7	19852	216·3	219	214	..	11	19792	209·9	215	202	..
50							5	21061	221·4	228	217	..	8	20922	214·7	222	04	..
40																		
30																		
20																		
10																		

	NEW DELHI/SAFDARJUNG Surf. Pr. (981 mb.)						PORT BLAIR (999 mb.)						SRINAGAR (841 mb.)					
Surface	30	209	297·8	301	295	293·1	30	079	297·6	299	296	296·7	24	1588	286·0	294	279	284·0
1000	30	056	..	..	..	..	30	075	297·4	299	297	296·4	24	104	..	..	..	..
900	30	963	298.5	301	295	286·6	30	991	293·7	296	291	291·9	24	1011	..	..	..	..
850	30	1463	295·1	298	293	284·4	30	1484	291·4	294	288	289·1	24	1496	..	..	..	..
800	30	1986	291·3	294	287	281·0	30	2003	288·7	291	285	286·2	24	2007	285.7	291	279	279·7
700	30	3114	283 5	288	278	271·2	30	3127	283·2	286	280	279·3	24	3119	279 7	285	272	273·5
600	30	4379	275·6	280	271	262·5	30	4396	276·7	281	273	273·9	24	4368	271·4	277	265	263·1
500	30	5835	268·6	274	262	..	29	5855	269·7	274	265	..	23	5792	262·2	269	256	..
400	30	7563	258·9	265	253	..	28	7589	260.0	266	250	..	23	7473	251·0	258	244	..
300	30	9695	246·5	253	240	..	28	9721	246·4	253	237	..	22	9543	239.3	242	228	..
250	30	10991	237·7	245	234	..	27	11099	236·5	243	229	..	22	10807	232·0	240	221	..
200	30	12516	227·9	235	221	..	26	12514	225·0	233	218	..	21	12285	224·0	232	216	..
175	30	13396	222·1	229	217	..	23	13387	218·8	226	211	..	18	13176	219·4	226	213	..
150	29	14381	215·2	222	209	..	20	14361	212·3	220	204	..	17	14137	215·0	220	209	..
125	28	15510	209 3	217	202	..	13	15448	208·5	226	203	..	11	15344	209·5	216	203	..
100	28	16857	203·2	210	196	..	10	16829	204·0	207	198	..	7	16728	206·7	211	202	..
80	27	18190	205·1	215	199	..							7	18121	207 1	212	201	..
70	25	18994	209 6	216	202	..							7	18937	209·1	214	201	..
60	24	19952	214·3	221	207	..							6	19894	211·8	219	204	.
50	23	21113	218·3	225	211	..							5	21029	218·2	224	213	..
40	18	22533	222·7	230	215	..												
30	13	24354	226·6	234	221	..												
20	7	27056	230·7	238	221	..												
10																		

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(A) From Ascents at 00 Hours G. M. T.

September, 1965 (Bhadra 10—Asvina 8, 1887 Saka)

Standard Pressure Surface mb.	TRIVANDRUM Surf. Pr.(1002 mb.)						VISHAKHAPATNAM (1000 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	30	064	298·2	300	297	296·0	30	041	298.0	301	297	297·1
1000	30	081	298·2	300	297	295·8	30	043	299·7	301	298	297.0
900	30	1003	293·1	296	291	290·1	30	972	295.5	298	292	291·2
850	30	1496	290·7	294	287	287·1	30	1469	292·3	297	289	288·7
800	30	2014	288·7	293	283	283·0	30	1990	289·2	293	287	285·4
700	30	3138	283.1	287	280	276·1	30	3116	283·2	287	281	279·7
600	30	4405	275·8	280	273	270·4	30	4385	277·0	280	274	273·0
500	30	5864	268·1	273	263	..	30	5851	269·8	274	268	..
400	30	7584	257·5	261	253	..	30	7583	258·7	262	255	..
300	30	9694	241·8	246	239	..	30	9706	243·8	249	237	..
250	30	10692	232·4	237	227	..	30	10985	235·0	241	227	..
200	30	12445	220·2	229	215	..	30	12487	223·7	230	216	..
175	28	13278	214·1	220	209	..	28	13340	217·3	226	211	..
150	28	14249	207·6	213	202	..	27	14320	210·5	217	204	..
125	25	15324	201·6	208	196	..	25	15405	204·3	208	198	..
100	23	16649	201·6	210	196	..	23	16748	200·0	205	192	..
80	17	17986	206·2	215	201	..	19	18128	204·5	212	197	..
70	16	18800	208·7	219	203	..	18	18939	207·7	216	201	..
60	14	19613	212·2	221	205	..	17	19861	209·9	215	203	..
50	13	20859	215·3	223	207	..	16	20960	213·1	221	205	..
40	5	22259	220·6	223	217	..	7	22298	215·7	221	209	..
30												
20												
10												

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 Hours G. M. T.

September, 1965 (Bhadra 10—Asvina 8, 1887 Saka)

Standard Pressure Surface mb.	AHMADABAD Surf. Pr. (999 mb.)						ALLAHABAD/BAMHRAULI (991 mb.)						BANGALORE (987 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	30	055	307·2	311	305	296·8	30	098	305·1	308	298	297·0	30	921	300·6	303	297	291·4
1000	30	046	307.7	309	306	297.0	29	021	..	..	..	..	30	051	..	..	..	..
900	30	987	299·2	304	296	290·4	29	956	297·8	301	293	290·3	30	987	299·6	302	296	289·9
850	30	1487	294·8	300	291	287·0	29	1453	294.2	299	290	287.0	30	1487	295·7	299	291	287·2
800	30	2011	291·3	294	286	283·5	29	1975	290·6	295	287	283·4	30	2011	290·9	295	287	285·3
700	30	3140	284·0	288	280	274·3	29	3101	283·6	286	279	275·2	30	3138	283·3	287	281	278·8
600	30	4411	277·8	283	275	265.2	29	4372	277·8	281	267	265·4	29	4407	277·4	280	274	269·8
500	30	5881	271·3	275	268	249·8	28	5838	270·2	274	267	..	29	5872	269·9	271	269	..
400	30	7627	261·2	267	258	..	28	7572	259·8	264	256	..	29	7604	259·1	261	257	..
300	30	9771	246·6	253	242	..	28	9709	246·4	251	240	..	29	9729	243·8	248	240	..
250	30	11068	237·5	243	232	..	28	11003	237·7	245	229	..	29	11007	234·4	238	231	..
200	30	12586	226·4	233	221	..	27	12526	226·9	230	221	..	29	12506	223·2	227	219	..
175	30	13459	219·9	227	214	..	26	13411	220·5	225	211	..	28	13367	217·4	224	213	..
150	29	14441	213·3	221	207	..	26	14389	214·8	220	210	..	28	14341	211·1	218	207	..
125	29	15559	206·1	213	200	..	26	15527	206·8	215	198	..	26	15444	204·9	212	196	..
100	28	16897	201·0	210	191	..	20	16757	200·9	211	193	..	25	16784	201·6	208	196	..
80	26	18216	202·9	210	192	..	10	18209	201·9	211	193	..	21	18160	207·0	215	198	..
70	26	19017	207·0	213	197	..	9	19030	205·0	217	195	..	20	18987	210·4	219	200	..
60	23	19958	212·1	219	203	..	7	19940	210·0	222	197	..	16	19932	212·5	224	203	..
50	20	21078	217·2	227	208	..							16	21039	215·9	230	208	..
40	15	22520	221·8	233	213	..							9	22459	219·5	234	213	..
30	9	24378	225·0	235	219	..							6	24186	221·0	227	219	..
20																		
10																		

	BOMBAY/SANTACRUZ Surf. Pr. (1005 mb.)						CALCUTTA/DUM DUM (1002 mb.)						GAUHATI (998 mb.)					
Surface	29	013	301·8	303	297	296·3	30	06	301·7	305	297	298·4	30	49	301·7	304	299	298·2
1000	29	061	301.3	302	300	295.7	30	027	301·5	305	297	298.3	30	030	301.0	303	299	297·2
900	29	987	294·5	297	292	290·1	30	959	296·5	300	293	292·5	30	959	297·1	300	294	292·5
850	29	1482	291·9	295	288	286·4	30	1457	293·6	299	290	289·1	30	1457	294·0	297	291	289·5
800	29	2002	288·9	293	286	283·1	30	1979	290·5	295	287	286·5	30	1979	291·0	296	287	286·5
700	29	3125	283·0	286	279	276·0	30	3111	284·7	289	279	280·4	30	3111	284·9	288	282	278·6
600	29	4393	277·3	281	274	268·3	30	4389	277·9	281	273	274·0	29	4387	278·5	281	276	272·1
500	28	5861	270·7	275	268	..	29	5861	270·8	274	266	267·8	29	5856	270·4	273	268	..
400	27	7599	259·9	264	257	..	29	7602	260·7	265	257	..	27	7595	261·0	265	258	..
300	27	9730	245·0	250	240	..	29	9748	247·0	253	241	..	26	9739	247·0	251	242	..
250	26	11015	235·3	240	230	..	28	11043	237·5	243	231	..	26	11035	238·1	247	235	..
200	26	12515	223·6	231	219	..	26	12570	226·4	232	222	..	25	12560	227·1	234	221	..
175	19	13387	216·7	222	213	..	26	13448	220·0	226	215	..	24	13430	220·4	225	215	..
150	18	14354	210·1	215	206	..	26	14424	212·7	219	207	..	24	14431	213·1	216	207	..
125	16	15450	201·6	208	197	..	26	15547	205·6	210	197	..	22	15523	205·5	211	202	..
100	12	16758	201·3	209	196	..	26	16870	198·9	204	193	..	10	16922	201·4	206	196	..
80	9	18070	205·1	213	196	..	21	18178	200·4	205	195	..						
70	5	18847	207·4	210	208	..	19	18984	203·8	208	199	..						
60							18	19911	210·5	217	205	..						
50							11	21084	214·5	219	209	..						
40							6	22531	218·0	221	214	..						
30																		
20																		
10																		

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 Hours G. M. T.

September, 1965 (Bhadra 10—Asvina 8, 1887 Saka)

Standard Pressure Surface mb.	JODHPUR Surf. Pr. (979 mb.)						MADRAS/MINAMBAKKAM (1003 mb.)						MINICOY (1009 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	15	218	307.1	310	303	295·3	30	015	303·9	307	299	297·5	30	002	301·4	303	298	297·4
1000	15	023	..	..	..	..	30	042	303·6	307	297	297·2	30	083	300·5	302	297	296·9
900	15	963	299·2	303	297	290·6	30	975	297·0	301	294	290·1	30	1010	293·7	296	291	290·3
850	15	1463	296·5	303	293	285·2	30	1473	293·4	296	290	287·6	30	1502	290·9	293	289	287·4
800	15	1989	292·6	296	289	281·9	30	1995	289·8	292	286	284·5	30	2021	288·4	291	286	284·2
700	15	3119	283·9	286	282	273·7	30	3119	282·6	285	278	277·3	30	3144	282·9	285	280	277·5
600	15	4390	278·1	281	275	261·6	29	4385	277·0	280	271	269·0	30	4411	276·3	280	274	272·2
500	15	5860	271·7	275	268	..	29	5845	269·2	273	264	..	30	5869	268·9	271	266	
400	14	7601	263·6	284	257	..	29	7573	258·5	262	253	..	30	7591	258.4	262	256	
300	14	9749	247·6	251	243	..	29	9694	243·1	247	239	..	30	970	243·4	248	238	.
250	14	11041	238·0	242	234	..	29	10969	233·3	236	227	..	30	10978	233·6	241	229	.
200	14	12571	227·6	232	220	..	29	12458	221·7	228	217	..	30	12466	222·1	229	215	.
175	14	13451	221·6	226	213	..	22	13315	215·2	220	212	..	27	13312	215·7	221	207	..
150	12	14430	214·2	220	205	..	22	14282	208·7	214	205	..	27	14284	210·1	215	204	..
125	11	15556	206·5	214	197	..	19	15381	202·8	209	199	..	27	15367	204·8	213	191	..
100	10	16893	200·7	207	197	..	17	16703	200·0	207	193	..	27	16722	203·1	212	198	..
80	7	18263	201·4	206	197	..	9	18032	202·7	207	199	..	21	18067	205·2	214	199	..
70	6	19063	205·3	210	203	..	7	18847	205·1	208	201	..	19	18877	207·6	214	202	..
60	5	20999	211·0	214	206	..							17	19810	209.5	218	201	..
50	5	21126	217·2	219	216	..							12	20948	211·8	223	203	..
40													7	22317	212·9	222	206	..
30													5	24113	215·4	222	212	..
20																		
10																		

	NAGPUR/SONEGAON Surf. Pr. (969 mb.)						NEW DELHI/SAFDARJUNG (979 mb.)						PORT BLAIR (999 mb.)					
Surface	30	311	302.9	300	298	293·9	30	209	305·1	307	297	293·7	30	079	298·7	301	296	297·2
1000	30	028	..	..	..	..	30	021	..	..	..	..	30	068	298·1	299	297	297· 1
900	30	965	297·8	301	294	291·1	30	962	299·8	303	296	288·4	30	986	293·6	297	290	292·0
850	30	1466	293·7	297	291	289·0	30	1464	296·3	300	294	285·2	30	1479	291·1	293	287	289·2
800	30	1989	289·9	293	287	286·4	30	1990	292·4	295	289	281·9	30	1998	288·6	291	285	286·3
700	30	3118	283·0	287	279	279·9	30	3122	284·7	288	281	271·4	30	3122	283·3	287	279	279·7
600	30	4393	277·4	281	274	272·1	30	4392	276·6	280	273	263·1	29	4394	277·0	281	273	273·3
500	30	5856	270.6	274	268	..	30	5852	269·3	275	263	..	29	5855	269·3	274	264	..
400	30	7597	259·3	263	256	..	29	7584	258·9	267	251	..	29	7587	259·6	264	253	..
300	30	9724	244·7	249	241	..	29	9714	245·9	252	240	..	29	9721	245·8	253	239	..
250	30	11007	235·4	240	230	..	29	11006	237·4	247	230	..	29	11010	236·3	243	228	..
200	30	12508	223·5	231	217	..	29	12527	227·4	236	223	..	27	12518	224·9	233	216	..
175	28	13358	216·6	221	209	..	27	13398	221·1	230	217	..	19	13389	218·8	227	210	..
150	28	14339	210·9	217	203	..	27	14379	214·8	221	209	..	18	14361	212·4	223	204	..
125	25	15437	204·3	209	197	..	27	15570	208·1	216	201	..	10	15457	205·6	213	199	..
100	24	16768	199·2	205	194	..	26	16852	202·6	209	194	..	6	16809	203·3	210	198	
80	17	18026	204·0	210	199	..	24	18163	203·3	214	196	..						
70	14	18842	207.9	213	202	..	21	18974	208·5	218	202	..						
60	11	19870	211·4	217	207	..	13	19899	213·8	223	205	..						
50	10	20956	214.6	220	208	..	12	21059	218·0	226	211	..						
40							10	22468	220·9	226	215	..						
30							5	24317	224·0	229	218	..						
20																		
10																		

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 Hours G. M. T.

September, 1965 (Bhadra 10—Asvina 8, 1887 Saka)

Standard Pressure Surface mb.	SRINAGAR Surf. Pr. (838 mb.)						TRIVANDRUM (1000 mb.)						VISHAKHAPATNAM (999 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew Point			Mean	Max.	Min.	Dew Point			Mean	Max.	Min.	Dew point
Surface	21	1588	298·1	302	294	285·9	30	064	301·4	303	300	296·3	30	041	302·2	304	297	298·2
1000	21	021	..	..	..	..	30	068	301.3	302	300	296·2	30	029	301·3	303	297	297.8
900	21	962	..	..	..	..	30	996	294·5	298	292	289·6	30	960	296.0	300	293	291·9
850	21	1466	..	..	..	..	30	1490	291·7	295	289	286.5	30	1459	293.3	296	290	289.1
800	21	1997	294·6	298	289	280·6	30	2009	288·7	291	285	283·8	30	1982	290.2	294	287	285·9
700	21	3137	285.5	290	281	272·0	30	3134	283·7	287	279	277·3	30	3113	283·6	288	281	281·1
600	21	4410	275.3	281	270	261·1	30	4405	277·0	280	275	270·6	30	4385	277·9	280	273	274.0
500	21	5851	264·7	270	259	..	30	5868	269·5	272	268	..	30	5855	270.3	275	267	..
400	21	7548	253·9	259	249	..	30	7597	258·3	262	255	..	30	7592	259·8	265	256	..
300	21	9639	241.0	249	234	..	30	9714	242·8	249	239	..	29	9733	246·1	251	239	..
250	21	10908	234.2	241	225	..	30	10988	233·2	239	228	..	29	11024	236·9	243	230	..
200	20	12422	226.5	234	219	..	30	12477	221·7	227	214	..	29	12541	226·2	234	217	..
175	19	13290	221·5	226	215	..	29	13316	215·7	221	207	..	27	13410	220·3	228	213	..
150	15	14296	217·2	222	212	..	29	14293	209·4	213	199	..	26	14397	214·0	221	205	..
125	12	15574	212·7	217	209	..	26	15380	203·7	209	192	..	25	15501	207·0	214	199	..
100	9	16842	210·5	214	207	..	22	16731	201·8	206	195	..	20	16817	199.3	206	190	..
80	7	18246	212·6	218	206	..	21	18054	204·1	209	195	..	16	18148	201·7	205	195	..
70	6	19085	214·7	219	207	..	13	18869	206·0	212	201	..	13	18970	204·9	212	196	..
60	5	20602	218·2	222	210	..	12	19794	208·3	215	202	..	12	19959	208·7	214	205	..
50	5	21195	221·4	225	215	..	12	20923	212·1	219	205	..	11	21016	212·1	217	208	..
40							5	22255	210·4	215	207	..	5	22365	215·4	218	212	..
30													5	24195	219·0	223	213	..
20																		
10																		

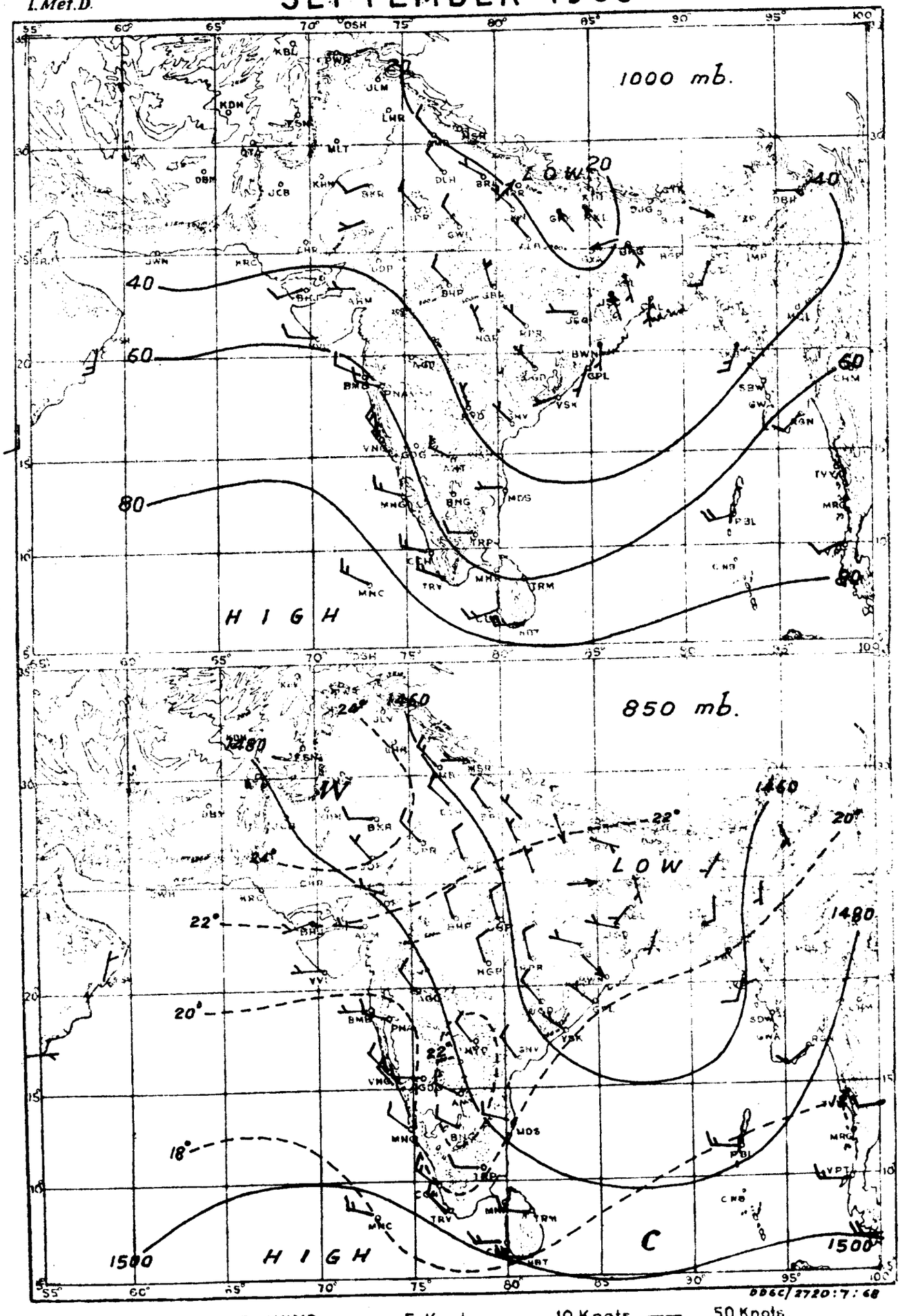
Note.—Number of observations refer to those of dynamic height.
Means are not worked out for temperature and dew point for the 1000 mb surface and for dew point for standard pressure surfaces with temperature less then 273°A
Means are not worked out for less than five observations at standard pressure surfaces.

GIPN—S7—12 D.D.G. Obs. Poona/68—22-9-69—260.

MONTHLY MEAN CONSTANT PRESSURE CHARTS

SEPTEMBER 1965

I.Met.D. *Plate* I



RESULTANT WIND — 5 Knots, — 10 Knots, — 50 Knots

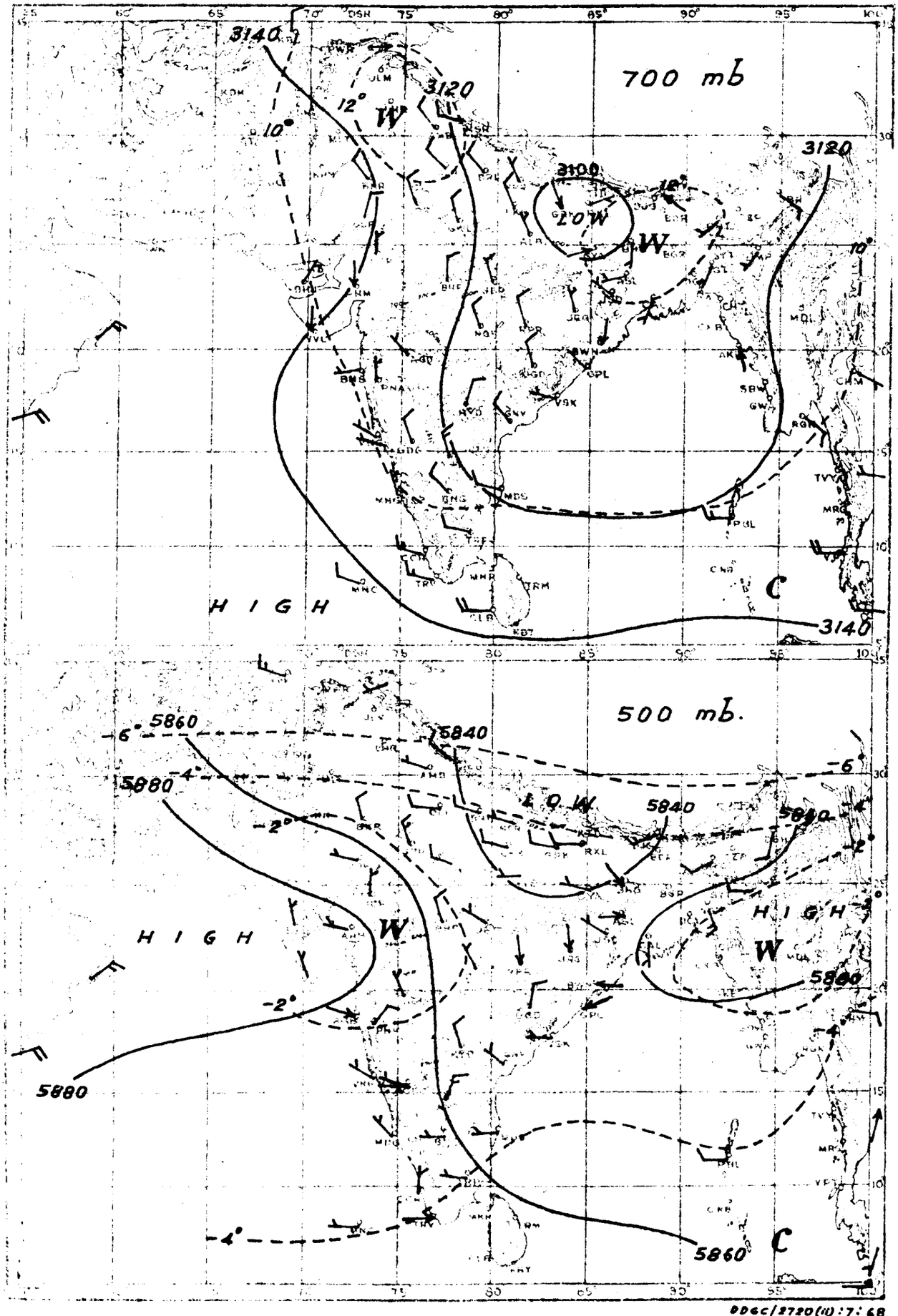
--------- Isotherms in degrees centigrade ——— Contours in geopotential metres

MONTHLY MEAN CONSTANT PRESSURE CHARTS

SEPTEMBER 1965

I Met.D.

Plate II



DDGC/2720(ii):7:68

RESULTANT WIND — 5 Knots, — 10 Knots, — 50 Knots.

Isotherms in degrees centigrade. ——— Contours in geopotential metres.

G.I.P.D. POONA, 1969

Errata to Monthly Weather Report for the quarter October to December 1965.

Page	Item/Station	Hour	Column	For	Read
OCTOBER 1965 :- Surface Data					
Table I Sub-Division					
551	13. Jammu and Kashmir	-	5	-0.2	-0.1
551	13. Jammu and Kashmir	-	9	3.7	delete
551	20. Konkan (including Goa)	-	2	-9.4	-96.4
551.	26. Rayalaseema	-	4	34.6	34.7
551	31. Kerala	-	3	57	59
Table II					
552	Long Island	-	11	273.6	273.8
552	Krishnanagar	-	5	8,4	3,4
552	Krishnanagar	-	24	1	0
552	Calcutta	-	19	-0.3	-0.6
553	Hazaribagh	-	2	28.2	28.7
553	Ranchi Aerodrome	-	28	1	0
554	Mukhim	-	20(a)	0	1
554	Amritsar (Rajasansi)	-	19	-0.4	-0.6
554	Bareilly	-	7	+0.3	+1.3
554	Roorkee	-	18	2.3	3.3
554	Bhatinda	-	20(b)	1	2
554	Hissar	-	3	-0.1	+0.1
554	Hissar	-	25	0	1
555	Churu	-	20(a)	Blank	0
555	Phalodi	-	16	0.1	-0.1
555	Barmer	-	8	14.7	18.7
555	Dholpur	-	23	4	2
555	Dholpur	-	28	2	0
555	Ajmer	-	23	0	4
555	Guna	-	16	-0.4	+0.4
555	Nimach	-	16	-0.0	-0.9
555	Sagar	-	7	-0.5	+0.5
555	Bhopal (Bairagarh)	-	4	6.0	36.0
555	Indore	-	4	.8	36.8
555	Khandwa	-	3	-3.0	+3.0
555	Khandwa	-	7	-1.2	+1.2
555	Satna	-	3	Not clear	+2.0
556	Bhaunagar Aerodrome	-	9	23,28	22,28
556	Alibagh	-	9	days	4 days
556	Vengurla	-	7	-0.9	-0.2
556	Jalgaon	-	12	36.7	-36.7
556	Malegaon	-	12	43.4	-43.4
556	Malegaon	-	16	2.7	-2.7
557	Ahmadnagar	-	19	-1.	-1.7
557	Yeotmal	-	19	+0.4	-0.4
558	Madras	-	9	24,27	27
558	Tiruchchirappalli	-	10	33.7	63.7
558	Vedaranniyam	-	11	156.5	256.5
558	Karwar	-	12	147.3	-147.3
559	Shillong	-	18	8.0	0.8

Page	Item/Station	Hour	Column	For	Read
Table II (Contd.)					
559	Katmandu	-	11	62.2	62.6
559	Khijrawan	-	4	36.1	35.1
560	Bagra Tawa	-	8	15.9	15.0
560	Pokhara	-	17	-	4.2
560	Pokhara	-	18	-	3.9
560	Gorkha	-	17	4.2	-
560	Gorkha	-	18	3.9	-
560	Nuwakot	-	11	Blank(p)	5.4(p)
560	Taplejung	-	18	4	3.4
560	Okhaldhunga	-	21	2	0
560	Okhaldhunga	-	22	0	2
560	Okhaldhunga	-	23	2	6
560	Okhaldhunga	-	24	6	3
Table III					
561	Maya Bandar	0830	15	9.3	8.3
561	Long Island	0830	5	1008.3	1008.8
561	Nancowry	0830	27	13	15
561	Pasighat	0830	13	4.9	3.9
561	Dibrugarh(Mohanbari)	2330	8	20.3	20.8
561	Dibrugarh(Mohanbari)	2330	9	20.8	20.3
561	North Lakhimpur	1430	7	29.5	29.1
561	North Lakhimpur	0830	12	-1.4	-8
561	Sibsagar	0830	12	-0.9	-2
561	Gohpur	1730	8	22.8	23.8
561	Majbat	0830	2	0330	0830
561	Majbat	0830	13	4.4	3.43
561	Jorhat Aerodrome	1130	11	63	68
561	Jorhat Aerodrome	2330	7	22.4	22.3
561	Tangla	1730	12	-0.4	-
561	Tezpur	0830	11	34	83
561	Tezpur	0830	12	-	+1
561	Tezpur	1730	8	23.0	23.5
561	Golaghat	1730	16,17,28	0	-
561	Rangia	1730	5	1002.0	1002.9
561	Chaparmukh	0830	22	10	14
561	Goalpara	0830	9	21.3	21.6
561	Goalpara	0830	25	4	0
561	Goalpara	0830	27	6	5
561	Goalpara	1730	19	9	0
561	Goalpara	1730	28	-	0
561	Gauhati (Bhorjor)	0530	20	8	3
561	Gauhati (Bhorjor)	0530	21	0	1
561	Gauhati (Phorjor)	0530	23	0	3
562	Silchar(Kumbhirgram)	1730	8	24.6	24.5
562	Silchar	1730	10	0.4	30.4
562	Cooch Behar	1130	7	23.7	28.7
563	Page Number	-	-	356	563
563	Asansol	0230	5	996.5	995.5
563	Burdwan	0830	7	26.5	27.5
563	Contai	0830	5	1010.	1010.2

Contd.3

Page	Item/Station	Hour	Column	For	Read	
Table III (Contd.)						
563	Contai	0830	12	+1	-1	
563	Sagar Island	0830	5	1010.3	1010.6	
563	Sandheads	0530	15	8.6	8.5	
563	Sandheads	1730	7	27.7	28.7	
563	Sandheads	1730	18	23	25	
563	Sandheads	2330	7	28.7	27.8	
563	Baripada	1730	24	4	1	
564	Jharsuguda	0530	6	+1.1	-	
564	Jharsuguda	0830	6	-	+1.1	Page number may be corrected as 564.
564	Dhanbad	0830	7	28.0	25.8	
564	Dhanbad	1730	7	25.8	28.0	
565	Bhagalpur	0530	18	12	11	
565	Sabaur	0830	9	23.9	23.0	
565	Sabaur	0830	14	+0.4	-0.4	
565	Gaya	0830	14	+0.4	-0.4	
565	Gaya	1130	20	3	5	
566	Bahraich	1730	4	1008.3	1008.2	
566	Nautanwa	0830	3	Blank	99	
566	Hardoi	0830	7	25.7	25.2	
566	Gonda	0830	10	29.4	24.4	
566	Lucknow (Amausi)	1430	5	993.9	993.8	
566	Lucknow (Amausi)	1430	13	2.9	1.9	
566	Gorakhpur (P.B.O.)	0530	7	33.2	23.2	
566	Sultanpur	0830	2	2330	0830	
566	Sultanpur	1730	18	18	8	
566	Banda	1730	21	2	0	
566	Allahabad (Bamhrauli)	1130	15	2.4	3.4	
566	Allahabad (Bamhrauli)	1730	14	-0.4	-	
567	Mukhim	0830	3	,,	-	
567	Mukhim	1730	3	,,	Blank	
567	Tehri	0830	3	,,	-	
567	Tehri	1130	3	,,	Blank	
567	Tehri	1730	3	,,	Blank	
567	Tehri	1130	7	20.0	25.0	
569	Leh	0830	15	2.6	2.5	
569	Srinagar	0830	7	7.5	9.5	
570	Banswara	1730	19	Blank	3	
572	Jagdalpur	2330	4	010.6	1010.6	
573	Bhuj (Rudramata)	2030	28	1	0	
573	Kandla (Aerodrome)	1130	28	1	0	
574	Porbandar (Aerodrome)	0830	19	9	5	
574	Porbandar (Aerodrome)	1130	22	Blank	1	
574	Keshod	1130	22	Blank	0	
574	Mahuva	1730	24	Blank	7	
574	Bombay (Santacruz)	0230	2	2030	0230	
574	Vengurla	0230	2	2030	0230	
574	Vengurla	0830	22	0	2	
574	Vengurla	1130	24	13	18	
575	Dabolim (Naval Air Station)	0830	23	0	1	
575	Malegaon	0830	14	+1.7	-1.7	
575	Aurangabad	1730	7	32.9	32.8	
576	Aurangabad (Chikalthan)	2030	7	21.1	26.3	

Page	Item/Station	Hour	Column	For	Read
Table III (Contd.)					
576	Nagpur (Sonegaon)	0830	10	18.4	18.9
576	Nagpur (Sonegaon)	1430	28	2	0
576	Nagpur (Sonegaon)	2030	27	24	14
576	Amraoti	0830	5	970.7	970.8
576	Amraoti	1730	25	0	1
576	Akola Aerodrome	0830	25	0	8
576	Akola Aerodrome	2330	5	474.8	974.8
576	Yeotmal	1730	13	3.4	2.4
576	Sironcha	1730	4	1097.9	1007.9
576	Kalingapatam	0830	10	29.8	28.8
576	Vishakhapatnam	0830	14	+1.3	-1.3
576	Vishakhapatnam	1130	7	30.3	30.8
576	Gannavaram	0530	11	3	93
577	Ramgundam	0830	7	25.1	25.4
577	Hakimpet Aerodrome	0830	5	945.3	943.5
577	Hyderabad (Begampet)	0230	3	445	545
577	Cuddapah	0830	2	8830	0830
578	Madras (Minambakkam)	0230	2	2330	0230 these data are for Madras (Minambakkam)
578	Madras (Minambakkam)	0230	3	,,	16
578	Vellore	1730	13	.8	4.8
578	Vellore	2330	13	.3	2.3
578	Tambaram Aerodrome	0830	20	1	0
578	Mettur Dam R.S.	0830	3	,,	Blank
578	Mettur Dam R.S.	1730	,,	,,	-
578	Cuddalore	1130	10	Not clear	30.7
578	Tiruchirapalli	0230	2	-	0230
578	Tiruchirapalli	1730	25	-	2
578	Atirampattinam	1730	9	22.5	24.0
578	Madurai	0830	9	24.0	22.5
578	Madurai	0830	14	+1.7	-1.7
579	Honavar	0830	6	+0.2	-0.2
579	Gulbarga	0830	5	960.2	960.7
580	Trivandrum	1730	10	30.7	30.9
580	Trivandrum	2030	22	2	0
581	Dalhousie	1730	28	2	0
581	Darjeeling	0830	19	0	3
582	Hirakud	1130	11	78	58
582	Bhagra Tawa	1730	8	29.6	21.6
582	Pokhara	1730	7	21.8	21.7
583	Taplejung	1730	13	1.1	4.1
583	Okhaldhunga	0830	7	16.2	16.3
583	Chainpur	1730	7	20.	20.1
583	Angbung	0830	10	19.6	15.6

Contd.5

OCTOBER 1965 - UPPER AIR DATA (Tables IV to VI)

Page	Station	Time	Level	Item	Wrong entry	Correct entry	Remarks
585	Bahraich	-	-	Time	2330	delete	Particulars page.
585	Bareilly	-	-	Date	12 h	12th	
585	Bareilly	-	-	Time	2330	delete	
585	Mangalore (Bajpe)	-	-	Time	1730*	1730	
585	New Delhi/Safdarjung	-	-	Time	2330	delete	
585	Raxaul	-	-	Time	2330	delete	
585	Udaipur	-	-	Long. E	43°42'	73°42'	
585	Vijayawada/Gannavaram	-	-	Height	33	32	
Table IV							
586	Agartala	1730	0.6	D	229	329	
*587	Ambala	1130	9.0	v	22.2	32.2	
587	Asansol	1730	6.0	D	200	290	
588	Bareilly	1730	6.0	D	300	303	
589	Bhagalpur	1730	0.3	D	47	347	
589	Bhopal/Bairagarh	0530	Surface	D	47	347	
590	Bikaner	2330	3.0	V	6.3	8.3	
591	Dibrugarh	0530	Surface	D	056	054	
592	Gaya	1730	7.2	v	1 5.5	15.6	
593	Goa/Dabolin	2330	3.6	D	055	075	
593	Gorakhpur	0530	Surface	D	059	050	
593	Gorakhpur	1730	6.0	V	21.4	11.4	
593	Imphal/Tulihal	1130	6.0	v	8	8.1	
594	Jaipur/Sanganer	0530	5.4	v	9,1	9.6	
596	Nagpur/Sonegaon	0530	6.0	V	7.6	7.5	
596	Nagpur/Sonegaon	0530	5.4	V	6.6	6.5	
596	Nagpur/Sonegaon	2330	Surface	v	0.2	0.1	
597	Port-Blair	2330	0.15	D	18	183	
598	Raxaul	-	-	Surface	urface	Surface	
598	Raxaul	1730	5.4	v	8.1	6.1	
598	Tiruchirrapalli	1730	4.5	D	034	054	
599	Vijayawada/Gannavaram	0530	9.0	D	260	261	
Table V							
601	Ahmadabad	0530	18.0	V	3.1	8.1	
601	Bahraich	-	-	Name of station	hraich	Bahraich	
601	Bhopal/Bairagarh	1730	-	-do-	Bhopal/ Bairagarh	delete	
602	Gorakhpur	1730	10.5	D	240	230	
602	Gorakhpur	1730	12.0	D	230	240	
602	Jagadalpur	1730	12.0	V	7.0	13.3	
602	Nagpur/Sonegaon	0530	21.0	D	340	034	
603	Trivandrum	1730	-	Time	1730 hr.	1730 hr.*	
603	Vishakhapatnam	0530	-	Time	0530 hr.	0530 hr.*	
*587	Anantapur	1730	1.5	V	04	046	
587	Anantapur	2330	0.9	D	01	081	
587	Asansol	0530	3.6	v	.6	3.6	Contd.6

Page	Station	Time	Level	Item	Wrong entry	Correct entry	Remarks
TABLE VI							
605	Calcutta/Dum Dum	0530	250 mb	Mean	234.0	234.6	
606	Madras/Minambakkam	0530	-	Surface Pressure	1009	1007	
608	Ahmadabad	1730	Surface	Dew Point	202.3	292.3	
608	Ahmadabad	1730	1000 mb	Dew Point	201.3	291.3	
610	Trivandrum	1730	300 mb	Height	9682	9692	
610	Trivandrum	1730	800 mb	Minimum	28	285	

NOVEMBER 1965 - SURFACE DATA

Page	Item/Station	Hour	Column	For	Read
Table I - Sub-Division					
613	19. Saurashtra and Kutch (including Diu)	-	8	-0.3	+0.3
613	27. Madras State (including Pondicherry)	-	8	-0.8	+0.8
613	31. Kerala	-	4	31.1	31.3
Table II					
614	Cooch Behar	-	9	2	22
616	Hardoi	-	2	31.1	30.1
616	Jhansi	-	19	-0.1	-1.0
617	Srinagar (Aerodrome)	-	4	21.1	22.1
617	Churu	-	17	-	7.9
617	Jaipur (Sanganer)	-	16	0.3	-0.3
617	Jhalawar	-	12	18.5	-18.5
617	Bhopal (Bairagarh)	-	12	26.7	-25.7
617	Indore	-	14	20	28
617	Rajpur (Jhabua)	-	9	2	20
618	Dwarka	-	7	+ .6	+0.6
618	Bhaunagar (Aerodrome)	-	13	6.9	6.6
619	Ozar	-	10	0	-
619	Khandala	-	10	0	-
619	Amraoti	-	2	32.5	32.3
619	Kalingapatam	-	3	+ .9	+0.9
619	Rentachintala	-	16	-3.5	-3.6
620	Tiruppattur	-	6	9.0	19.0
620	Vedarnniyam	-	8	1.1	21.1
620	Palayamkottai	-	26	1	0

Contd.7

Page	Item/Station	Hour	Column	For	Read
Table II (Contd.)					
620	Bangalore	-	12	-1.8	-21.8
620	Mysore	-	20a	1	0
621	Calicut	-	11	62.1	62.7
621	Cochin (Naval Air Station)	-	13	54.6	54.0
622	Butwal	-	5	10	10 days
Table III					
623	Dibrugarh (Mohanbari)	0230	8	13.4	13.3
623	Digboi	1730	27	12	21
623	Tangla	1730	6	+1.0	-
623	Rangia	0830	2	0330	0830
623	Tezpur	0830	6	-	+1.0
624	Gauhati (Bhorjor)	0830	27	15	13
624	Silchar (Kumbhirgram)	1130	21	56	16
624	Silchar (Kumbhirgram)	1130	28	0	1
624	Silchar	1730	11	62	72
624	Agartala	1730	5	1009.0	1009.9
624	Agartala	1730	13	1.0	1.9
624	Baghdogra	0230	7	15.1	15.5
624	Baghdogra	0530	27	15	13
624	Baghdogra	1130	28	0	1
625	Balurghat	1730	5	1009.9	1009.0
625	Asansol	0530	10	12.6	16.6
625	Asansol	1430	9	12.3	12.7
625	Shantiniketan	0830	8	10.3	19.3
625	Bankura	0830	18	15	16
625	Barrackpore (Aerodrome)	0530	17	Blank	0
625	Barrackpore (Aerodrome)	1130	24	4	3
625	Calcutta	1130	9	18.5	16.5
626	Jharsuguda	0230	4	1013.0	1014.0
626	Balasore	0830	7	21.1	23.1
626	Koraput	1730	4	1521.1	1521.3
626	Koraput	1730	19	0	6
626	Ranchi	1730	2	1830	1730
626	Ranchi Aerodrome	0530	5	951.3	941.3
627	Jamshedpur (P.B.O.)	1430	26	Not clear	14
627	Forbesganj	0830	8	-do-	17.8
627	Forbesganj	1730	8	-do-	20.3
627	Patna Aerodrome	2330	10	16.4	18.4
627	Bhagalpur	0830	17	Blank	0
627	Jamui	0830	8	18.8	18.7
629	Bareilly (P.B.O)	1130	23	0	2
629	Aligarh	0830	12	-11	+11
629	Aligarh	1730	24	Blank	0
629	Agra (Aerodrome)	0830	15	2.5	2.9
629	Orai	1730	9	12.7	12.0
629	Jhansi	0830	12	-6	+6
629	Patankot	0830	11	33	63
630	Ambala P.B.O.	1130	5	984.	984.4
630	New Delhi (Safdarjung)	1430	17	Blank	8

Contd.8

Page	Item/Station	Hour	Column	For	Read
Table III (Contd.)					
630	New Delhi (Safdarjung)	1730	19	Blank	4
631	Jammu	0830	14	+ .4	+1.4
631	Bikaner	0830	14	0.9	-0.9
632	Barmer	0530	7	29.5	19.5
632	Jaipur (Sanganer)	0530	11	54	58
632	Dholpur	1730	9	11.1	11.8
632	Banswara	1730	2	1330	1730
632	Banswara	1730	15	(b) 4.2	(e) 4.2
633	Guna	0830	8	17.8	14.6
633	Guna	1130	8	19.6	17.8
633	Nimach	0830	19	1	0
633 3	Nimach	1730	19	0	1
633	Sagar	0830	19	1	0
633	Sagar	1730	19	2	1
633	Betul	0830	7	19.3	19.2
633	Betul	0830	21	1	11
633	Betul	0830	28	0	1
633	Betul	1730	20	6	16
633	Betul	1730	21	12	2
633	Khandwa	0830	20	17	7
633	Khandwa	1730	10	11.8	11.1
634	Rewa	0830	5	982.2	982.4
634	Umaria	1730	9	10.0	12.0
634	Jabalpur	1430	7	29.9	29.4
634	Jashpurnagar	0830	5	929.9	929.0
634	Kanker	0830	27	Not clear	26
635	Ahmadabad	1430	3	77	,,
635	Okha	0830	8	25.5	21.5
636	Dahanu	0830	12	4	-4
636	Bombay (Santacruz)	0830	14	+10.2	+0.2
636	Bombay (Santacruz)	1730	5	1006.9	1008.9
636	Vengurla	0230	3	,,	9
636	Vengurla	2330	4	1023.3	1012.3
637	Marmugao	0830	8	23.3	22.3
637	Jalgaon	0830	10	10.3	10.2
637	Ahmadnagar	0830	9	10.4	10.1
637	Poona Aerodrome	0530	5	946.4	946.3
637	Poona	1130	5	941.8	951.8
637	Jeur	0830	3	531	521
637	Jeur	0830	6	+0.1	+0.7
637	Jeur	1730	10	11.6	11.9
637	Baramati	0830	3	554	551
637	Baramati	1730	24	1	0
637	Sholapur	1130	5	560.6	960.6
638	Brahmapuri	1730	9	15.3	10.8
642	Shimoga	1730	24	5	0
642	Balehonnur	0830	9	17.1	17.2
642	Fort Cochin	1730	11	14	74
642	Alleppey	0830	6	+1.5	+0.5
642	Trivandrum	0230	13	4.4	4.9
642	Trivandrum	1730	23	1	0
642	Trivandrum Aerodrome	0830	4	1012.6	1012.5
643	Mercara			These two stations and their data appearing under the Sub-division 'Arabian Sea Islands' may be deleted.	
643	Ootacamund				

Page	Item/Station	Hour	Column	For	Read
Table III (Contd.)					
643	Darjeeling	0830	2	0530	0830
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
643	Shillong	0830	2	0820	0830
643	Mahabaleswar	0830	3	1392	1382
644	Tilaiya	1730	10	14.6	14.7
644	Hirakud	0830	26	4	0

NOVEMBER 1965 - UPPER AIR DATA (Tables IV to VI)

Page	Item/Station	Time	Level	Item	Wrong entry	Correct entry	Remarks
647	Agartala	-	-	Time	050	0530	Particulars page.
647	Jagadalpur	-	-	Time	050	0530	
647	Jaipur/Sanganer	-	-	Date	6th January 1958.	6th January 1953.	
647	Jamshedpur	-	-	Time	1130	delete	
647	Jaipur/Sanganer	-	-	Time	050	0530	
647	Raxaul	-	-	Name of station	Raxaul	Raxaul	
Table IV							
649	Amini	2330	3.0	v	4.	4.5	
649	Anantapur	0530	3.6	V	46	4.7	
650	Bareilly	0530	7.2	D	29	279	
651	Bhubaneshwar	1730	2.1	D	010	018	
652	Bikaner	0530	5.4	D	279	239	
655	Gwalior	2330	0.6	v	0.5	0.8	
656	Jagadalpur	0530	Surface	D	070	063	
656	Jamshedpur	0530	3.0	D	238	288	
657	Jamshedpur	1730	7.2	V	13.7	13.6	
657	Lucknow	0530	7.2	v	10.8	16.8	
657	Madras/Minambakkam	1730	0.6	D	045	040	
657	Madras/Minambakkam	0530	6.0	D	064	065	
658	Nagpur/Sonegaon	2330	3.6	D	332	322	
658	New Delhi/Safdarjung	1130	1.5	V	6.9	6.0	
Table V							
663	Ahmadabad	0530	18.0	n	3	13	
663	Bangalore	0530	12.0	v	0.7	4.7	
663	Begampet	-	-	Name of station	Begampe	Begampet	
663	Calcutta/Dum Dum	1130	-	-	1130 hr*	1130 hr.	
663	Calcutta/Dum Dum	1730	-	-	1730 hr	1730 hr*	
663	Calcutta/Dum Dum	1730	10.5	D	228	278	

Contd. 10

Page	Item/Station	Time	Level	Item	Wrong entry	Correct entry	Remarks
Table V (Contd.)							
663	Cochin/Willingdon	0530	-	-	0530 hr*	0530 hr.	
663	Dibrugarh/Mohanbari	1130	16.2	v	24.7	28.0	
664	Gadag	1730	-	-	1730 r	1730 hr.	
664	Jagadalpur	0530	16.2	Level	10.2	16.2	
664	Minicoy	1130	12.0	v	16.0	23.0	
665	Poona	1130	16.2	V	7.5	7.0	
665	Poona	1130	6.2	v	7.4	7.0	
665	Udaipur	0530	12.0	v	19.1	19.6	
665	Vishakhapatnam	0530	18.0	V	1.0	16.0	
Table VI							
667	Ahmadabad	0530	150 mb	Mean	208.7	208.9	
667	Ahmadabad	0530	850 mb	Max.	291	294	
667	Calcutta/Dum Dum	0530	Surface	Height	-	006	
667	Bombay/Santacruz	0530	250 mb	Height	10903	10983	
668	New Delhi/Safdarjung	0530	600 mb	Height	4336	4386	
668	New Delhi/Safdarjung	0530	30 mb	Mean	225.	225.1	
670	Bombay/Santacruz	1730	900 mb	Height	1035	1025	
671	Madras/Minambakkam	1730	700 mb	Mean	283.1	283.2	
671	Minicoy	1730	200 mb	Min.	313	213	
671	Nagpur/Sonegaon	1730	800 mb	Dew Point	277.7	277.9	
672	Trivandrum	1730	200 mb	Height	12167	12467	

DECEMBER 1965 : SURFACE DATA

Page	Item/Station	Hour	Column	For	Read
Table I - Division					
675	9. Madhya Pradesh	-	8	-0.8	+0.8
Table I - Sub-Division					
675	19. Gujarat Region (including Daman etc.)	-	5	-1.4	+1.4
675	24. Vidarbha	-	2	-6.9	-6.1
675	32. Kerala	-	4	+0.5	-0.5
675	33. Arabian Sea Islands	-	8	+1.5	+1.9
Table II					
676	Maya Bandar	-	13	136.0	136.4
676	Shanti Niketan	-	20(b)	0	1
677	Balasore	-	8	8.	8.4
677	Balasore	-	12	4.1	-4.1

Contd. 11

Page	Item/Station	Hour	Column	For	Read
Table II (Contd.)					
677	Bhubaneshwar	-	20(b)	Blank	1
677	Dumka	-	5	1,1,3	1,2,3
677	Ranchi Aerodrome	-	24	1	0
677	Ballia	-	24	5	0
678	Jammu	-	5	12	2
679	Kota	-	16	+0.5	-0.5
679	Kota	-	12	Blank	-5.3
679	Kota Aerodrome	-	12	-5.3	-
679	Sagar	-	12	-17.1	+17.1
680	Dwarka	-	17	9.0	19.0
681	Sholapur	-	10	21.8	21.1
681	Aurangabad (Chikalthan)	-	2	28.	28.6
681	Vishakhapatnam	-	12	-41.5	-14.5
681	Ramgundam	-	14	9	-
681	Ramgundam	-	15	6	0
681	Ramgundam	-	17	10.5	5.5
681	Nizamabad	-	17	5.5	-
681	Nizamabad	-	24	6	0
681	Khammam	-	12	1.6	-
681	Anantpur	-	11	69.9	61.9
681	Anantpur	-	21	1	0
681	Anantpur	-	23	0	1
681	Arogyavaram	-	13	2.0	8.0
682	Nagapattinam	-	4	31.0	31.6
682	Tuticorin	-	13	46.3	46.2
682	Hassan	-	23	1	0
682	Trivandrum	-	12	+ .7	+281.7
684	Dadeldhura	-	26	0	8
Table III					
687	Asansol	1430	2	1440	1430
690	Kanpur	0830	13	1.8	0.8
690	Azamgarh	0830	15	0.4	3.0
690	Allahabad (Bamhrauli)	2330	16,17	Blank	0,0
690	Mukhim	0830	3	,,	-
691	Pathankot	0830	2	Blank	0830
693	Jodhpur	0830	6	+0.2	+0.5
693	Jodhpur	0830	14	-0.1	-1.0
694	Alwar	0830	2	0230	0830
694	Alwar	1730	2	0530	1730
694	Jaipur	0230	2	0830	0230
694	Jaipur	0530	2	1130	0530
694	Jaipur	0830	2	1430	0830
694	Jaipur	1130	2	1730	1130
694	Jaipur	1430	2	2030	1430
694	Jaipur	1730	2	2330	1730
694	Jaipur	2030	2	0830	2030
694	Jaipur	2330	2	1730	2330
694	Tonk	0830	11	0	60
694	Kota	0830	2	0530	0830
694	Kota	1730	2	0830	1730

Contd. 12

Page	Item/Station	Hour	Column	For	Read
Table III (Contd.)					
694	Kota (Aerodrome)	0530	2	1130	0530
694	Kota (Aerodrome)	0830	2	1730	0830
694	Kota (Aerodrome)	1130	2	2330	1130
694	Kota (Aerodrome)	1730	2	0830	1730
694	Kota (Aerodrome)	2330	2	1730	2330
694	Gwalior	0230	23	Blank	2
695	Ujjain	0830	9	8.7	5.7
695	Hoshangabad	0830	19	Blank	0
695	Indore	0530	9	7.5	4.5
695	Indore	0830	9	5.1	5.5
695	Indore	1130,1730,2330	9	6.1,7.0,8.8	5.7,5.6,5.2
695	Jabalpur	1130	11	4	41
696	Pendra	1430	28	10	0
696	Baroda	0530	15	1	1.9
696	Baroda	1130	16	Blank	0
696	Baroda	1130	19	Blank	1
696	Baroda	1130	20	1	16
697	Surat	1730	23	3	0
697	Kandla Aerodrome	0830	27	10	0
697	Keshod	1130	4	1614.6	1014.6
699	Aurangabad(Chikalthan)	2330	23	Blank	1
700	Rentachintala	1730	4	1015.2	1010.2
700	Nellore	0830	10	.7	26.7
702	Nagapattinam	1730	17	24	21
704	Cochin (Naval Air Station)	1130	22	1	4
704	Cochin (-do-)	1130	23	0	1
704	Cochin (-do-)	1130	25	0	2
704	Cochin (-do-)	1130	26	0	3
704	Cochin (-do-)	1730	22	1	2
704	Cochin (-do-)	1730	23	6	1
704	Cochin (-do-)	1730	26	3	2
705	Nainital	0830	15	6.9	2.4
705	Nainital	1730	15	9.1	6.9
706	Hirakud	0830	7	19.	19.9
707	Barahkshetra	0830	4	1018.9	1018.0
707	Barahkshetra	0830	5	1008.4	1000.8
Table III-A					
710-711	Lumding	-	February N	2.8/1950	3.9/1964
710-711	Gauhati	-	Apr. R	75.5	75.7
712-713	Asansol	-	Jan. X	31.4/1964	31.7/1958
712-713	Purulia	-	Jul. R	148.8	148.3
712-713	Balasore	-	Dec. R	178.8	78.7
712-713	Chandbali	-	Jul. X	1958	1959
712-713	Titlagarh	-	Nov. N	1957	1952
712-713	Puri	-	Feb. X	53.0	35.0
712-713	Jamshedpur	-	Aug. N	21.0/1965	21.7/1964
714-715	Nautanwa	-	Sep. R	195	1956
714-715	Kanpur (Aerodrome)	-	May R	1961	1963
716-717	Mainpuri	-	Dec. R	1929	1923
716-717	Srinagar (Aerodrome)	-	Jun. N	1964	1962

Page	Item/Station	Hour	Column	For	Read
Table III-A (Contd.)					
716-717	Jammu (Aerodrome)	-	Jan. R	1950	1959
716-717	Jammu (Aerodrome)	-	Jul. X	43.3/1962	43.9/1965
716-717	Jammu (Aerodrome)	-	Jul. N	20.7/1963	20.0/1965
716-717	Jammu (Aerodrome)	-	Aug. N	20.6/1963	20.0/1965
716-717	Jammu (Aerodrome)	-	Sep. X	35.3/1962	38.0/1965
716-717	Jammu (Aerodrome)	-	Oct. X	35.8/1964	36.5/1965
716-717	Jammu (Aerodrome)	-	Nov. X	32.2/1963	32.5/1965
716-717	Jammu (Aerodrome)	-	Dec. X	25.9/1959	27.7/1965
716-717	Anupgarh	-	Sep. X	1965	1964
718-719	Churu	-	Apr. N	1957	1965
718-719	Jaisalmer	-	Jun. R	131.4	135.4
718-719	Jodhpur	-	Jun. R	112.9	152.9
718-719	Erinpura (Jawai Dam)	-	Feb. N	1964	1961
718-719	Erinpura (Jawai Dam)	-	Mar. X	1952	1959
718-719	Erinpura (Jawai Dam)	-	Mar. N	1959	1962
718-719	Sikar	-	Apr. N	-7.2	7.2
718-719	Dholpur	-	Jun. R	96.2	76.2
718-719	Ajmer	-	Apr. N	1986	1886
718-719	Ajmer	-	Aug. X	1875	1965
718-719	Ajmer	-	Dec. N	0.6	-0.6
718-719	Tonk	-	Aug. N	20.3	20.5
718-719	Bhilwara	-	Jun. R	1904	1964
718-719	Bhilwara	-	Nov. X	1964	1963
718-719	Chambal (Rawat Bhatta Dam)		Apr. N	Not clear	1956
718-719	Banswara	-	Jul. N	1965	1964
718-719	Nowgong	-	Jun. N	1952	1957
718-719	Nowgong	-	Jul. N	1958	1965
718-719	Nimach	-	Dec. X	1932	1963
718-719	Rajgarh	-	Jun. N	1944	1963
718-719	Rajgarh	-	Oct. X	38.0	38.4
718-719	Ratlam	-	Jun. R	98.6	98.8
718-719	Ujjain	-	Jun. N	21.1	21.0
718-719	Narsinghpur	-	Jul. X	1961	1965
*718-719	Hoshangabad	-	Jun. X	1893	1953
718-719	Rajpur (Jhabua)	-	Feb. N	1967	1957
718-719	Rajpur (Jhabua)	-	Apr. R	13. /195	13.1/1958
718-719	Rajpur (Jhabua)	-	May X	4.8/960	44.8/1960
720-721	Satna	-	Based on data from	-	1881,1881
720-721	Sidhi	-	Oct. X	65	1965
720-721	Champa	-	Nov. R	1958	1946
720-721	Deesa	-	May R	68.8	68.6
720-721	Radhanpur	-	Aug. X	1965	1964
720-721	Radhanpur	-	Based on data from - Rainfall	1559	1959
720-721	Baroda (Aerodrome)	-	Aug. X	37.6	36.7
720-721	Surat	-	Mar. N	1998	1898
720-721	Surat	-	May X	1856	1956
720-721	Surat	-	Dec. N	6.	6.7
720-721	Okha	-	Jul. N	23.3	22.3
720-721	Okha	-	Dec. N	1964	1965
720-721	Rajkot	-	May R	17.3	117.3
*718-719	Indore	-	April R	189	1895
718-719	Indore	-	May X	Not clear	45.6/1946

Contd.14

Page	Item/Station	Hour	Column	For	Read
Table III-A (Contd.)					
722-723	Dahanu	-	Jun. R	378.00	378.0
722-723	Dahanu	-	Nov. R	256.4	256.5
722-723	Alibag	-	Jun. R	255.0	225.0
722-723	Harnai	-	Jun. X	1965	1953
722-723	Ratnagiri	-	May R	1965	1893
722-723	Khandala	-	Dec. R	20.0	26.0
722-723	Sholapur	-	Dec. N	7.5	6.7
722-723	Miraj	-	Mar. R	127.4	27.4
722-723	Kolhapur	-	May R	163.4	163.6
722-723	Aurangabad	-	Mar. X	189	1892
722-723	Parbhani	-	Sep. R	221.5/1943	217.2/1923
722-723	Gondia	-	May N	1953	1963
722-723	Amraoti	-	May X	46.1/1893	46.7/1954
722-723	Amraoti	-	May N	12.8/1905	18.3/1917
724-725	Nidadavole	-	Nov. N	51.5	15.5
724-725	Ongole	-	Oct. R	219.7/1944	184.9/1953
724-725	Nizamabad	-	Jun. R	246.6	246.4
724-725	Bhadrachalam	-	Dec. R	40.0	40.4
724-725	Hyderabad/Begampet	-	Apr. R	1935	1937
724-725	Anantapur	-	Jul. X	1963	1965
724-725	Arogyavaram	-	Nov. X	31.1/1947	31.6/1965
724-725	Tiruppattur	-	Jun. X	43.7	41.3
724-725	Mettur Dam R.S.	-	Feb. X	1964	1965
724-725	Mettur Dam R.S.	-	Sep. N	1965	1964
724-725	Cuddalore	-	Nov. R	309.7	309.9
724-725	Kallakkurichchi	-	Mar. X	31.7	41.7
726-727	Coimbatore	-	Nov. X	1892	1965
726-727	Coimbatore (Pilamedu)	-	Jun. X	1939	1959
726-727	Nagapattinam	-	Apr. R	151.1	151.6
726-727	Vedaranniyam	-	Feb. X	36.2	33.2
726-727	Madurai	-	Apr. X	1936	1935
726-727	Tondi	-	Nov. N	1956	1961
726-727	Tuticorin	-	Apr. N	1965	1961
726-727	Palayankottai	-	Apr. N	22.2/1961	22.1/1965
726-727	Kanniyakumari	-	Jun. N	1963	1965
726-727	Karwar	-	Jun. X	1952	1963
726-727	Mangalore	-	Jul. X	15.6	35.6
726-727	Bijapur	-	Jun. N	71.2	17.2
726-727	Gadag	-	Apr. R	1963	1962
726-727	Gadag	-	Aug. N	1965	1955
726-727	Gadag	-	Nov. R	1959	1956
726-727	Chitradurga	-	May R	18.6	181.6
726-727	Hassan	-	Jul. R	82.3	82.5
726-727	Calicut	-	Mar. R	1933	1936
726-727	Cochin (Naval Air Station)		Apr. X	.1	1961
726-727	Cochin (-do-)		May R	205.1	209.1
726-727	Cochin (-do-)		Jul. N	153.0/1964	20.6/1956
728-729	Alleppy	-	Aug. X	37.7	31.7
728-729	Trivandrum (Aerodrome)	-	Oct. X	31.7/1957	32.7/1965
728-729	Amini	-	Aug. N	1925	1965
728-729	Androth	-	Nov. N	25.3	25.7
728-729	Minicoy	-	Nov. X	1961	1965
728-729	Dalhousie	-	Jan. N	0.5	-5.0

Page	Station	Hour	Column	For	Read
Table III-A (Contd.)					
728-729	Dalhousie	-	Sep. X	27.2/1951	27.0/1965
728-729	Bhuntar	-	Aug. X	33.3	33.2
728-729	Simla	-	Sep. N	2.3	5.0
728-729	Badrinath	-	Oct. N	1960	1959
728-729	Mukteshwar (Kumaon)	-	Dec. N	5.0	-5.0
728-729	Nainital	-	Based on data from - Rainfall	1963	1953
728-729	Darjeeling	-	Jul. R	200.0	200.9
728-729	Darjeeling	-	Aug. R	537.5	237.5
728-729	Cherrapunji	-	Jan. N	Blank	0.0
728-729	Mahabaleshwar	-	Jul. R	Not clear	381.2
728-729	Kodaikanal	-	Jan. X	1961	1916
728-729	Katmandu	-	Jun. R	1965	1950
728-729	Lachen	-	Dec. X	1964	1965
728-729	Konar	-	Jul. X	39.1	39.9
728-729	Konar	-	Jul. N	20.2/1964	20.1/1965
728-729	Konar	-	Sep. N	21.9	20.9
728-729	Konar	-	Oct. X	34.9/1964	36.1/1965
728-729	Konar	-	Dec. X	1964	1965
728-729	Bokaro	-	Jul. N	21.1	20.2
728-729	Bokaro	-	Aug. X	35.2/1957	35.3/1965
728-729	Bokaro	-	Oct. N	1966	1964
730-731	Ramgarh	-	Aug. R	18.2	169.9
730-731	Panchet Hills	-	Nov. R	1957	1955
730-731	Hirakud	-	Jul. N	23.2	22.2
730-731	Hirakud	-	Aug. N	1960	1964
730-731	Bhimkund	-	Sep. R	15.5	157.5
730-731	Bhimkund	-	Oct. X	34.9	34.4
730-731	Khijrawan	-	Oct. X	1960	1964
730-731	Khijrawan	-	Nov. X	1960	1965
730-731	Bagra Tawa	-	Nov. N	.56	5.6
730-731	Bagra Tawa	-	Dec. N	3.2	2.2
730-731	Punasa	-	Oct. N	10.0/1965	10.1/1964
730-731	Thikri	-	Jul. X	31.9	41.9
730-731	Thikri	-	Dec. N	1962	1964
730-731	Thikri	-	Dec. R	1964	1962
730-731	Daroi	-	Oct. R	1968	1958
730-731	Daroi	-	Nov. R	1956	1963
730-731	Daroi	-	Spelling	Dari	Daroi
730-731	Jomosom	-	Dec. N	-10.3/Not clear	-10.0/1962
730-731	Timure	-	Oct. N	4.2	5.2
730-731	Pokhara	-	Oct. R	106.5	108.5
730-731	Gorkha	-	Sep. X	0.0	30.0
730-731	Gorkha	-	Sep. N	61.0/1958	16.0/1963
730-731	Gorkha	-	Sep. R	16.7	61.7
730-731	Gorkha	-	Oct. X	287/1963	28.7/1964
730-731	Gorkha	-	Oct. R	17.14	71.4
730-731	Gorkha	-	Nov. N	3.1/1961	9.1/1964
730-731	Gorkha	-	Dec. X	2.2	22.2
730-731	Gorkha	-	Dec. R	9.3	9.9
730-731	Nawakot	-	Jul. N	1957	1958
730-731	Nawakot	-	Jul. R	14.2	111.2

Contd.16

Page	Station	Hour	Column	For	Read
Table III-A (Contd.)		-			
730-731	Nawakot	-	Sep. R	1964	1965
730-731	Nawakot	-	Oct. N	32.2	12.0
730-731	Nawakot	-	Dec. X	1965	1964
730-731	Dailekh	-	Nov. X	1968	1964
730-731	Dailekh	-	Nov. N	1964	1962
730-731	Dadeldhura	-	Jul. X	27.1	27.4
730-731	Dadeldhura	-	Oct. X	5.8	25.8
730-731	Dadeldhura	-	Sep. N	1962	1963
730-731	Sallyana	-	Oct. N	1964	1963
730-731	Sallyana	-	Oct. R	1963	1961
730-731	Butwal	-	Jul. R	24.4	245.4
730-731	Chautara	-	Apr. R	68.0	68.6
730-731	Chautara	-	Sep. N	1964	1963
730-731	Chautara	-	Sep. R	1965	1964
730-731	Chautara	-	Oct. X	1959	1964
730-731	Chautara	-	Oct. N	1958	1965
730-731	Chautara	-	Oct. R	1956	1959
730-731	Chautara	-	Nov. X	74.3/1960	26.7/1958
730-731	Chautara	-	Nov. N	26.2	6.2
730-731	Chautara	-	Nov. R	6.2/1958	23.4/1956
730-731	Chautara	-	Dec. X	23.4/1956	23.6/1960
730-731	Chepua	-	Apr. R	1962	1963
730-731	Walungchung Gola	-	Aug. N	1963	1953
730-31	Walungchung Gola	-	Sep. X	1952	1962
*730-731	Walungchung Gola	-	Sep. N	1950	1960
730-731	Taplethok	-	Jul. R	1963	1953
730-731	Bhojpur	-	Spelling	Bhojpr	Bhojpur
730-731	Bhojpur	-	Jul. N	161.1	16.1
730-731	Bhojpur	-	Nov. X	1961	1958
730-731	Bhojpur	-	Nov. N	1965	1961
730-731	Bhojpur	-	Dec. X	9.19	19.9
730-731	Taplejung	-	Based on data from - Rainfall	1963	1953
730-731	Okhaldunga	-	Based on data from - Rainfall	1963	1953
730-731	Okhaldunga	-	Jul. N	1963	1953
730-731	Okhaldunga	-	Jul. R	1964	1954
730-731	Okhaldunga	-	Aug. X	1963	1953
730-731	Okhaldunga	-	Oct. X	1969	1959
730-731	Okhaldunga	-	Nov. N	4.91	4.1
730-731	Okhaldunga	-	Nov. R	18.8	19.8
730-731	Okhaldunga	-	Dec. X	1961	1953
730-731	Chainpur	-	Feb. N	1959	1953
730-731	Chainpur	-	Jul. R	61.0	71.0
730-731	Chainpur	-	Sep. X	1963	1953
730-731	Chainpur	-	Nov. X	8.3	26.8
730-731	Chainpur	-	Nov. N	46.0/1963	8.3/1953
730-731	Chainpur	-	Dec. X	1964	1953
730-731	Angbung	-	Feb. N	5.0	3.5
730-731	Angbung	-	Aug. R	1954	1964
730-731	Angbung	-	Sep. X	1951	1959
*730-731	Walungchung Gola	-	Nov. R	15.9	31.0

Contd. 17

Page	Station	Hour	Column	For	Read
Table III-A (Contd.)					
730-731	Angbung	-	Sep. R	1957	1960
730-731	Angbung	-	Nov. X	1964	1954
730-731	Angbung	-	Nov. N	1963	1964
730-731	Angbung	-	Nov. R	1953	1963
730-731	Angbung	-	Dec. X	1961	1953
730-731	Barahkshetra	-	Aug. N	31.5	21.4
730-731	Barahkshetra	-	Aug. R	1963	1964
730-731	Barahkshetra	-	Sep. X	1962	1963
730-731	Barahkshetra	-	Sep. N	1962	1960
730-731	Barahkshetra	-	Sep. R	20.6/1960	208.6/1962
730-731	Barahkshetra	-	Oct. X	1957	1960
730-731	Barahkshetra	-	Oct. N	1953	1957
730-731	Barahkshetra	-	Oct. R	1964	1953
730-731	Gangtok	-	Jun. R	1963	1960
730-731	Gangtok	-	Sep. N	1.7	11.7
730-731	Gangtok	-	Nov. X	22.8	22.5
730-731	Gangtok	-	Spelling on p.731	Bargatok	Gangtok
730-731	Gezing	-	Jul. R	1957	1965
730-731	Gezing	-	Aug. R	13.2	135.2
730-731	Gezing	-	Sep. X	13.5	30.7
730-731	Gezing	-	Sep. N	123.2/1966	13.5/1965
730-731	Gezing	-	Sep. R	132.2	123.2
730-731	Gezing	-	Oct. X	23.4	29.4
730-731	Gezing	-	Oct. N	.2	9.2
730-731	Gezing	-	Oct. R	196	1965
730-731	Gezing	-	Nov. N	4.	4.9
730-731	Gezing	-	Nov. R	29.3	27.3
730-731	Gezing	-	Dec. R	10.8	18.8

DECEMBER 1965- UPPER AIR TABLES IV to VI

Page	Station	Time	Level	Item	Wrong entry	Correct entry	Remarks
734	Agartala	0530	9.0	V	20.0	25.0	
734	Ahmadabad	1130	6.0	D	278	273	
735	Ambala	1730	9.0	v	32.2	33.2	
735	Asansol	0530	9.0	v	30.3	30.2	
736	Bahraich	0530	7.2	V	28.2	28.0	
736	Bangalore	-	-	Name of station	Bangalo	Bangalore	
736	Bangalore	0530	2.1	D	032	082	
736	Bareilly	1730	Surface	v	0.7	0.6	
737	Bhubaneswar	2330	1.5	D	001	007	
738	Bikaner	1730	1.5	V	4.	4.4	
738	Bikaner	2330	3.6	D	180	280	
738	Calcutta/Dum Dum	1130	4.5	V	23.5	13.5	
738	Calcutta/Dum Dum	1130	6.0	v	26.3	16.3	

Contd.18

Page	Station	Time	Level	Item	Wrong entry	Correct entry	Remarks
739	Dehradun	1730	Surface	D	040	240	
739	Gadag	1730	4.5	D	956	056	
740	Gadag	2330	5.4	V	0.6	6.0	
740	Gangtok	1730	3.6	v	0.1	1.0	
740	Gauhati	1730	6.0	v	28.3	23.8	
741	Imphal/Tulihal	0530	6.0	v	28.9	29.0	
745	Poona	2330	0.15 a.g.	v	1.0	1.9	
745	Port Blair	0530	6.0	V	8.3	8.4	
745	Raipur	0530	-	Time	9530	0530	
746	Tiruchirapalli	2330	0.15	v	.9	4.9	
746	Udaipur	0530	-	Time	5030	0530	
747	Vengurla	0530	2.1	n	22	25	
749	Bombay/Santacruz	0530	-	Name of station	Santacuz	Santacruz	
749	Bangalore	1730	21.0	V	12.1	12.7	
749	Bangalore	1730	21.0	v	12.7	12.1	
749	Bhopal/Bairagarh	0530	-	Name of station	Bairagar	Bairagarh	
750	Poona	1730	14.1	n	3	2	
750	Vishakhapatnam	1130	16.2	v	6.	6.2	
750	Vishakhapatnam	1130	16.2	D	164	264	
752	Ahmadabad	0530	1000 mb	Min.	85	285	
752	Ahmadabad	0530	150 mb	Height	142.6	14216	
752	Gauhati	0530	80 mb	Max	2081	208	
753	Nagpur/Sonegaon	0530	40 mb	n	1	11	
753	Srinagar	0530	Surface	Dew point	269.	269.0	
753	Srinagar	0530	800 mb	Dew point	266.	266.0	

SG/Rotaprint, Poona.

Registered No. MH-75

INDIA WEATHER REVIEW, 1965

Monthly Weather Report

OCTOBER

Published by authority of the Government of India

Chief features :

(i) Further withdrawal of the monsoon upto the south Peninsula by the middle of the month;

(ii) Spells of good rainfall over the south Peninsula and northeast India during the second fortnight;

(iii) Formation and movement of two deep depressions in the Bay of Bengal; and

(iv) Movement of four western disturbances across northwest India.

The monsoon activity was somewhat feeble at the beginning of the month. However, a few showers occurred over northeast India and the Peninsula during the first week. Silchar recorded 8 cm of rain on 6th. The seasonal trough of low pressure shifted from north India to the north and central Bay of Bengal at the beginning of the month and the monsoon further withdrew from the central parts of the country and Bihar State by 3rd.

A well marked low pressure area moving into the east central Bay of Bengal on 6th concentrated into a depression by the next morning with centre near Lat. 18.0°N and Long. 91.0°E. Moving in a northerly direction, it intensified into a deep depression by 8th morning. It crossed the Chittagong coast near Cox's Bazar by the evening of the same day and weakened. It finally moved away northeastwards across the northern parts of Burma as a low pressure area. Under its influence, a few thundershowers occurred over northeast India.

In the wake of the above disturbance the monsoon withdrew further from the remaining parts of northeast India and from north Peninsula by 13th and thereafter was confined to the south Peninsula.

There was fairly good rainfall activity over the south Peninsula. A feeble trough of low pressure moved westwards across the Peninsula during the period 8th-11th causing isolated thundershowers over the south and adjoining north Peninsula. The seasonal trough of low pressure over the south Bay of Bengal was quite active during the third week when there was increased rainfall activity in Kerala, The Madras State and also along the east coast. Some of the heavy rainfalls recorded were : Kanyakumari 7 cm on15 th, Vedaranniyam 7 cm on 16th, Palghat 7 cm on 17th, Gopalpur 10 cm and Kalingapatam and Atirampattinem 8 cm on 19th and Puri 11 cm and Balasore and Chandbali 7 cm each on 20th.

A low pressure area formed over the southwest Bay of Bengal on 20th and intensified into a depression by the next morning with centre near Lat. 13.0°N and Long. 83.5°E. Moving northeastwards, it further intensified into a deep depression by the morning of 23rd with centre near Lat. 15.0°N and Long. 85.0°E and crossed the Arakan coast near Akyab by the morning of 25th. Thereafter it weakened and broke up over the Arakan hills. Under its influence, there was good rainfall in the Bay Islands. Maya Bandar recorded 12 cm of rain on 24th.

A well marked low pressure area formed over the southeast Arabian Sea on 21st. It shifted slowly eastwards to the south Peninsula where it lay as an upper air trough on 24th and 25th. Later it became unimportant. In association with it there was fairly good rainfall activity over the south Peninsula with heavy rains over the extreme southern parts. Minicoy recorded 14 cm of rain on 23rd, Palayamkottai 11 cm and Trivandrum 8 cm on 24th and Punalur 11 cm on 27th. There was also a spell of heavy rains in the Bay Islands towards the end of the month. Kondul recorded 9 cm of rain and Nancowry 7 cm on 29th and Kondul 11 cm on 30th.

Four western disturbances moved across northwest India during the month. The first disturbance moved into the northern divisions of West Pakistan on 2nd and moved away eastwards across the extreme north of the country by 4th. It caused isolated showers in Jammu and Kashmir on 2nd and 3rd. Another western disturbance lay over north Rajasthan and neighbourhood on 6th. It moved away eastwards across the hills of west Uttar Pradesh by 8th causing good precipitation in the western Himalayas. Simla recorded 6 cm of rain on 7th. After the passage

1—1 D. D. G. Obs. P./69

of this disturbance a trough of low pressure extending from north Rajasthan to east Uttar Pradesh developed on 10th and persisted there till 13th. Thereafter an upper air cyclonic circulation lay over Uttar Pradesh and neighbourhood till 18th. In association with these developments, thundershowers occurred over these areas and adjoining parts of Madhya Pradesh. Mainpuri and Kanpur recorded 5 cm of rain each on 13th.

The third western disturbance was over south Afghanistan and adjoining West Pakistan on 13th. It moved away eastwards across the Western Himalayas by 15th. Under its influence, fairly well distributed rainfall occurred in the western Himalayas and the plains of the Punjab on 14th. The last western disturbance appeared over the Punjab on 16th and moved away eastwards across the western Himalayas by 18th. An induced low formed over West Rajasthan on 17th and moving slowly eastwards it weakned and lay as an upper air trough over Uttar Pradesh on 20th. Later it moved away eastwards across Assam by 24th. Under its influence, there was good precipitation in northwest India, central parts of the country, Uttar Pradesh and later in northeast India. Some of the noteworthy amounts of rainfall recorded were : Fatehpur 7 cm on 19th, Balasore 20 cm, Sagar Island 9 cm Contai 8 cm, and Jamshedpur and Chaibasa 7 cm each on 21st and Sagar Island 10 cm, Agartala 9 cm and Pasighat 7 cm on 22nd.

The total rainfall for the month was slight excess in West Uttar Pradesh and normal in the Bay Islands, Orissa and east Uttar Pradesh. It was in slight defect in south Assam, Gangetic West Bengal, Bihar Plateau and the Arabian Sea Islands, in moderate defect in north Assam, Jammu and Kashmir, east Rajasthan, Madras State and Kerala and in large defect over the rest of the country outside Gujarat Region where there was no rain.

The mean maximum temperature was above normal in the Bay Islands, Rajasthan, Madhya Pradesh, Gujarat and Maharashtra States, Andhra Pradesh, Interior Mysore, Kerala and the Arabian Sea Islands and normal over the rest of the country. The mean minimum temperature was below normal in south Assam and Bihar Plains and above normal in Punjab and Rajasthan. It was normal over the rest of the country.

The mean relative humidity in the morning was below normal in West Madhya Pradesh, Madhya Maharashtra, Marathawada, Vidarbha, Telangana and north Interior Mysore and above normal in Saurashtra and Kutch and Rayalaseema. It was normal over the rest of the country.

The mean cloud amount in the morning was above normal in west Uttar Pradesh and Punjab and normal in the Bay Islands, Assam, Sub-Himalyan West Bengal, Orissa, Bihar Plains, east Uttar Pradesh, Jammu and Kashmir, Madras State, Kerala and the Arabian Sea Islands. It was below normal over the rest of the country.

Table I contains the divisional and sub-divisional means of rainfall, temperature, humidity and cloud amount for the 15 chief political divisions and the 32 sub-divisions. The stations whose observations are used for preparing these means are given in the subsequent tables.

The highest maximum temperature given for any station in the accompanying tables is that recorded within the 24 hours ending at 0830 hrs. I.S.T. of the date noted in the succeeding column; similarly the heaviest rainfall in 24 hours for any station denotes the amount recorded during the 24 hours ending at 0830 hrs. I.S.T. of the date given in the succeeding column.

POONA 5;
the 12th April, 1966

R. ANATHAKRISHNAN
for *Director General of Observatories.*

NOTE : Description in respect of Himachal Prade is not included for want of normals.

Division	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C.	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud 0830 hrs. IST.	Cloud 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
Division								
1. Assam (including NEFA, Nagaland, Manipur & Tripura)	95·2 —44·4	68 ..	30·3 +0·8	20·2 —0·8	82 —1	79	4·2 —0·3	4·1
2. West Bengal	79·9 —49·4	62	31·4 +0·1	22·3 —0·5	76 —1	74	2·4 —0·7	3·2
3. Orissa	145·8 —6·2	96	31·5 +0·6	21·8 —0·8	77 +1	70	3·1 —0·3	3·9
4. Bihar	36·4 —30·4	54	31·4 +0·4	20·5 —0·6	75 +3	69	1·7 —0·6	2·2
5. Uttar Pradesh	40·6 —0·4	99	32·8 +0·4	20·5 +0·6	70 +3	55	1·2 +0·2	1·4
6 Punjab (Including Delhi). & Himachal Pradesh*)	7.6 —29·8	20	33·5 +0·8	18·4 +1·3	62 0	44	1·0 +0·2	1·3
7. Jammu and Kashmir.	10.6 —5·3	67	23·3 +0·3	7·8 —0·1	66 +4	41	1·7 0	2·3
8. Rajasthan	4·1 —4·8	46	35·9 +1·4	20·4 +1·5	53 0	28	0·4 —0·6	0·9
Sub-Division								
. Bay Islands	313·1 —4·6	99	29·9 +1·1	23·1 —0·1	83 +2	87	6·0 +0·8	5·5
. North Assam (including NEFA)	74·3 —54·4	58	30·3 +0·9	20·7 —0·6	82 —1	80	3·7 —0·6	3·8
. South Assam (including Nagaland, Manipur and Tripura).	131·7 —26·8	83	30·4 +0·5	19·1 —1·5	82 +1	79	5·1 +0·4	4·6
. Sub-Himalayan, West Bengal	19·7 —130·1	13	31·0 +0·3	21·1 —0·3	76 —3	74	2·5 —0·1	2·5
. Gangetic, West Bengal.	101·8 —20·1	84	31·5 +0·1	22·7 —0·6	77 —1	74	2·4 —0·9	3·4
. Orissa	145·8 — 6·2	96	31·5 +0·6	21·8 —0·8	77 +1	70	3·1 —0·3	3·9
Bihar Plateau	62·5 —11·8	84	30·9 +0·4	20·3 0	74 +2	65	1·7 —0·8	2·5
. Bihar Plains	22·2 —40·5	35	31·8 +0·4	20·7 —1·1	76 +3	72	1·7 —0·4	1·9
Uttar Pradesh, East	50·9 —2·3	96	32·8 +0·3	20·3 +0·6	74 +3	58	1·4 +0·1	1·5
Uttar Pradesh, West	25·1 +2·5	111	32·9 +0·7	20·9 +0·5	64 +1	50	1·0 +0·2	1·3
Punjab (including Delhi). Himachal Pradesh*	7·6 —29·8	20	33·5 +0·8	18·4 +1·3	62 0	44	1·0 +0·2	1·3
Himachal Pradesh	56·1 ..	..	29·9 ..	10·2 ..	87 ..	53 ..	0·7 ..	2·6 ..
. Jammu and Kashmir	10·6 —5·3	67	23·3 +0·3	7·8 —0·2	66 +4	41	1·7 0	3·7 2·3
. Rajasthan, West	0·4 —3·9	9	37·2 +1·7	20·8 +1·5	54 +1	25	0·3 —0·5	0·4
. Rajasthan, East	7·7 —5·7	57	34·9 +1·2	20·0 +1·5	52 —1	31	0·4 —0·6	1·2
6. Madhya Pradesh West	7·1 —30.4	19	34·1 +2·3	18·5 +0·5	55 —7	35	0·5 —1·3	1·5

Division	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C.	Mean minimum temperature °C.	Relative humidity % 0830 hrs. IST.	Relative humidity % 1730 hrs. IST.	Cloud 0830 hrs. IST.	Cloud 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
Division								
9. Madhya Pradesh	9·1 —41·6	18	33·4 +2·2	18·7 +0·2	61 —7	42	0·8 —1·4	1·6
10. Gujarat State (including Diu, Daman Dadra and Nagar Haveli)	0·1 —27·0	0	35·8 +1·6	22·0 +0·3	73 +2	45	0·8 —1·0	0·5
11. Maharashtra State (including Goa)	4·4 —75·6	5	34·3 +2·7	20·8 —0·1	61 —11	42	1·3 —1·9	2·2
12. Andhra Pradesh	34·6 —100·5	26	33·9 +2·0	22·7 —0·3	70 —6	55	2·4 —1·6	3.2
13. Madras State (including Pondicherry)	146·7 —56·5	72	32·5 +0·5	23·8 0	79 +1	68	5·0 +0·6	5·4
14. Mysore	10·5 —115·8	8	32·5 +2·5	21·1 +0·7	72 —6	44	2·8 —1·5	3·8
15. Kerala	179·5 —126·3	59	31·0 +1·2	24·3 +0·5	83 —1	79	5·1 —0·3	6·3
17. Madhya Pradesh, East	11·6 —55·9	17	32·5 +2·0	19·0 —0·2	69 —5	51	1·2 —1·5	1·8
18. Gujarat Region (including Daman, Dadra and Nagar Haveli)	0 —32·6	0	37·3 +2·2	21·7 +0·7	65 —5	32	0·4 —1·4	0·3
19. Saurashtra and Kutch (including Diu)	0·1 —23·9	0	34·8 +1·2	22·3 +0·1	77 +6	52	1·0 —0·8	0·6
20. Konkan (including Goa)	0·8 —9·4	1	32·3 +1·2	23·8 +0·2	77 —3	74	1·8 —1.9	1·4
21. Madhya Maharashtra	8·2 —81·6	9	35·4 +3·6	19·2 —0·2	57 —14	31	1·5 —1·6	2·8
22. Marathwada	11·7 —39·2	23	35·2 +3·1	19·9 +0·5	45 —17	25	0·9 —2·2	2·7
23. Vidarbha	1·3 —56·3	2	34·7 +2·9	20·1 —0·4	57 —11	36	0·9 —2·0	2·1
24. Coastal Andhra Pradesh	70·9 —121·5	37	33·3 +1·4	23·8 —0·4	75 —3	65	3·2 —1·1	4·0
25. Telangana	0·4 —73·8	1	34·3 +2·5	20·8 —0·2	68 —7	41	1·7 —1·9	2·1
26. Rayalaseema	6·8 —95·9	7	34·6 +2·2	22·5 —0·3	63 —10	58	1·8 —2·4	3·0
27. Madras State (including Pondicherry)	146.7 —56·5	72	32·5 +0·5	23·8 0	79 +1	68	5·0 +0·6	5·4
28. Coastal Mysore	10·5 —149·0	7	31·0 +0·8	23·9 +0·5	82 —3	76	3·1 —1·9	4·3
29. Interior Mysore, North.	12·0 —70·5	15	34·1 +2·9	21·1 +0·6	60 —11	33	2·3 —0·9	3·3
30. Interior Mysore, South	9·2 —140·4	6	31·7 +2·8	20·3 +0·9	77 —4	39	3·2 —1·9	4·0
31. Kerala	179·5 —126·3	57	31·0 +1·2	24·3 +0·5	83 —1	79	5·1 —0·3	6·3
32. Arabian Sea Islands	126·3 —39·1	76	31·3 +1.5	24·9 +0.1	82 +4	77	4·8 +0·3	4·9

OTE.—The entries in the second line for each division and sub-division indicate departures from normal.

*Data of Himachal Pradesh not included.

TABLE II—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER—OCTOBER 1965 (ASVINA 9, KARTIKA 9, 1887 SAKA)

Sub-Division and station	Air temperature in °C								Rainfall in millimeters					No. of rainy days (3·5 mm. or more)		Wind speed km. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 Hours	Departure from normal	Precipitation (0·1 and 0·2mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-strom	Ground frost	Gale	Squall	[illegible]
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	2
Bay Islands																														
Maya Bandar	29·5	..	31·5	9	23·9	..	22.7	16	293·6	516.0	..	124·4	24	20	..	11·1	9·3	..	0	25	0	0	3	0	0	0	0	0	
Long Island	29·9	..	32·1	9	21·8	..	20·3	16	116·8	273·6	..	45·6	20	23	..	6·3	4·5	..	0	25	0	0	0	0	0	0	0	0	
Port Blair	29·9	+1·1	31·5	15	23·1	-0·1	21·7	19	100·4	313·1	−4 6	38·7	25	22	+5.3	13·0	10·4	−1·8	1	27	0	0	3	1	0	0	0	2	
Car Nicobar	29·8	..	30·7	16	23·4	..	21·9	10	104·5	202.7	..	36.0	10	15	..	5·2	2·6	..	0	18	0	0	0	0	0	0	0	0	
Nancowry	30·5	..	32·6	11	24·5	..	22·9	30	122·9	263·4	..	67·0	29	14	..	5·3	3·2	..	0	23	0	0	1	0	0	0	0	0	
Kondul	29·0	..	30·5	4	24·1	..	22·8	29	233·6	379·5	..	102·0	30	17	..	..	..	..	0	18	0	0	1	0	0	0	0	0	
North Assam (including NEFA)																														
Pasighat	29·9	..	32·4	8	18·5	..	16·7	9	34·2	103·6	..	74.6	22	3	..	5·9	9·5	..	0	5	0	0	0	0	0	0	0	0	
Dibrugarh (Mohanbari).	30·1	+1·6	32·6	5	19·7	0·6	16·5	25	7·7	50·2	−101·9	22·1	24	5	−3·6	4·1	2·5	−0·3	0	7	0	0	5	1	0	0	0	0	
Digboi	30·7	..	32·5	20,31	20·6	..	18·3	17	14·3	95·1	..	57.2	1	4	..	..	..	..	1	8	0	0	0	0	0	0	0	0	
North Lakhimpur.	30·4	+1·1	32·6	5	19·1	−1·5	16·2	25	11·9	124·3	−104·4	45·0	1	5	−5·9	4·3	2·7	..	1	8	0	0	2	0	0	0	0	0	
Sibsagar	30·2	+1·1	32·2	5	21·4	0	18·5	25	12·8	122·6	−8·7	29·4	10	6	−1·9	3·8	3·0	+0·7	0	9	0	0	5	0	0	0	0	0	
Gohpur	30·4	..	32·7	1	19·9	..	16·1	25	4·6	40·3	..	13·1	22	5	..	3·7	2·8	..	0	5	0	0	0	0	0	0	0	0	
Majbat	31·7	..	34·0	4 days	22·7	..	..	..	5·8	49·2	..	17·6	1	5	..	4·3	2·5	..	0	7	0	0	2	0	0	0	0	0	
Jorhat Aerodrome	30·2	..	32·3	4	21·0	..	17·7	25	9·9	56·9	..	17.0	22	6	..	..	..	..	0	6	0	0	4	11	0	0	0	0	
Tangla	32·4	..	33.9	6	22·9	..	17·4	24,25	0	0	..	0	..	0	..	2·9	1·7	..	0	0	0	0	0	0	0	0	0	0	
Tezpur	30·9	+0·7	33·2	1	20·9	−0·9	18·4	25	4·0	29·4	−74·7	12·1	23	5	−1·3	4·1	3·3	+0·9	0	5	0	0	0	0	0	0	0	0	
Golaghat	30·3	..	32·6	4	20·5	..	18·4	23,27	(i) 32·4	91·0	..	40·6	22	4	..	..	..	..	0	5	0	0	0	0	0	0	0	0	
Rangia	31·5	..	34·3	2	20·7	..	17·6	25	6·6	17·1	..	5·2	21	4	..	6·0	4·0	..	0	4	0	0	0	1	0	0	0	0	
Chaparmukh	31·4	..	34.0	4	21·8	..	19·0	23	0	0	..	0	..	0	..	4·5	(b) 3·1	..	0	0	0	0	0	2	0	0	0	0	
Goalpara	32·0	..	35·3	8	18·7	..	16·4	6days	19·6	57·8	..	32·4	10	4	..	4·9	3·0	..	0	4	0	0	0	0	0	0	0	0	
Gauhati(Bhorjor)	30·5	+0·4	32·5	1,2	21·3	+0·3	18·4	27	17·1	26·3	−44·3	12·7	22	3	−1·2	5·8	3·2	..	2	3	0	0	1	2	0	0	0	0	
Dhubri (Rupsi)	30·8	..	32·9	1,2,3	20·7	..	18·7	25	23·2	28.6	..	17·2	31	3	..	6·1	4·7	..	0	4	0	0	3	7	0	0	0	0	
Dhubri	29·9	+0.8	33.0	2	21·8	−0·9	19·4	31	19.8	24·6	−99.9	10.6	31	3	−2.0	10.0	7.0	+1.9	0	3	0	0	0	0	0	0	0	0	
Lumding	30.3	+0.9	33.0	4	20.8	−0.3	18·3	25	24.5	142·7	+52.8	44.2	23	7	+1.1	3.8	2.3	..	0	9	0	0	0	0	0	0	0	0	
South Assam (including Nagaland Manipur and Tripura)																														
Tura	29.5	..	31.9	16	20.3	..	18·1	27	41.0	95.8	..	39.6	23	6	..	3.9	3.8	..	1	8	0	0	0	0	0	0	0	0	
Haflong	25.0	..	26.9	19,31	17.6	..	15.6	25,30, 31	7.6	123.3	−33.7	29.6	21	9	+2.0	4·2	1·9	..	0	11	0	0	0	1	0	0	0	0	
Silchar (Kumbhirgram)	31.1	..	34.2	18,19	..	..	..	..	21.3	242.2	..	50·0	8	10	..	4.7	5.6	..	0	11	0	0	5	3	0	0	0	0	
Silchar	32.1	+0.8	35.2	18	20.7	−1.6	18·4	24	7.8	142.8	−41.3	81.8	6	8	+0.1	1.5	0.8	−0.8	0	14	0	0	5	0	0	0	0	0	
Imphal(Tulihal)	27.7	+0.1	30.4	4	15.4	−1.9	11.4	29	21.7	111.1	−5.4	23.0	22	11	+3.3	(c) 5.0	(c) 3.1	−0.8	0	15	0	0	3	12	0	0	0	0	
Kailashahar	31.7	..	34.1	12	21.9	..	19.0	30	12.8	63.3	..	21.7	31	4	..	4.3	2.6	..	0	9	0	0	3	7	0	0	0	1	
Agartala	31 3	+0.5	33.4	16	21.2	−1.0	18.1	30	82·7	149.5	−26.9	89.0	22	4	−4·0	5.3	3.3	−1.1	2	5	0	0	2	5	0	0	0	0	
Sub-Himalayan West Bengal																														
Baghdogra	31.1	+0.6	33.5	6,13	19.0	−1·5	16.8	12	13.6	9.5	−152.0	9.5	31	1	−5.7	7·2	6.0	+2.5	0	1	0	0	2	0	0	0	0	0	
Jalpaiguri	30·7	+0.3	32.9	2,3,4	21.3	0	18.8	24	22.9	17.5	−123.7	15.6	22	1	−4.5	5·0	3·7	+1·8	0	4	0	0	1	1	0	0	0	0	
Cooch Behar	30.6	..	33.2	2	20.2	..	18.2	26	8.2	24.4	−161.3	18.8	10	2	−4.2	4.6	2.3	..	2	4	0	0	2	2	0	0	0	0	
Balurghat	31.6	..	33.9	4	21.7	..	19.8	27,31	50.7	89.7	..	49.4	21	3	..	2.7	2.1	..	1	3	0	0	0	0	0	0	0	0	
Malda	31.2	0	33.3	2	23.0	+0.6	21.2	31	7.2	27.2	−83.3	21.6	21	2	−2.3	2·3	1.2	−3.3	1	3	0	0	0	0	0	0	0	0	
Gangetic West Bengal.																														
Berhampore	31.8	+0.5	34.5	3	22.3	−1.0	19.4	15	18.0	68.5	−24.0	27.0	20	6	+1.5	2.1	1.1	−1.2	1	7	0	0	0	1	0	0	0	0	
Suri	31.3	..	33.9	3	23.5	..	20.3	13	..	46.3	..	26.0	21	2	..	..	2.3	..	0	6	0	0	0	0	0	0	0	0	
Asansol	32.2	+0.5	34.6	5,8	21.4	−0.2	18.5	27	6.3	16.2	−94.0	7.7	21	2	−3.5	5.6	3.2	−1.6	0	4	0	0	2	0	0	0	0	0	
Shanti Niketan.	31.3	..	33.9	2	22.3	..	20.2	30	1.1	28.6	..	12.7	20	3	..	5.3	3.7	..	1	3	0	0	3	1	0	0	0	0	
Krishnanagar	32.7	+0.8	35.8	8,4	22.0	−0.8	19.6	31	12.4	51.7	−56.0	26.0	21	4	−1.0	6.6	4.9	+2.0	0	5	0	0	1	1	0	0	0	0	
Purulia	31.2	+0.3	34.1	9	20.9	−1·2	18.9	28	25.4	39.2	−34.7	26.8	21	3	−1·4	4.0	2.5	−1.3	1	6	0	0	2	0	0	0	0	0	
Bankura	32.6	..	35.0	6,9,10	22·2	..	20.1	26	20.8	48.2	−31.1	32.6	21	3	−1.5	1.2	1.0	..	0	4	0	0	0	0	0	0	0	0	
Burdwan	31.7	0	34.5	2,3	23·8	+0·4	22·1	21	1.5	69.4	−14.4	32.0	20	4	−0.4	..	..	..	1	5	0	0	0	0	0	0	0	0	
Barrackpore Aerodrome.	31.4	..	34.8	6	22.8	..	19.7	9	23.6	66.3	..	20.4	9	5	..	..	..	..	0	8	0	0	4	2	0	0	0	0	
Calcutta (Dum Dum).	31·3	0	33.5	4	23.3	−0.5	21.0	10	74.6	96.8	−42.1	53.6	18	8	+1.1	5.7	3.0	−2.1	0	9	0	0	4	5	0	0	0	1	
Calcutta	31.7	−0.1	34.2	5	23.4	+0.2	21.3	22	70.0	114.8	+1.0	64.4	3	8	+1.8	5.3	2.8	−0.3	0	10	0	0	6	0	0	0	0	2	
Midnapore	31.1	−0.6	33.9	4	21.5	−1.5	19.4	26	20.5	124.1	+27.6	58.4	21	4	−1.6	3.0	2.5	+0.2	0	8	0	0	2	0	0	0	0	0	
Contai	30.8	−0.2	33.4	5,9	23.1	−1.5	20.6	21	111.8	221.8	−17.0	81.0	21	9	+0.3	4.3	2.5	−2.0	0	9	0	0	0	0	0	0	0	0	

(c) Mean of 28 days. (b) Mean of 29 days. (i) Total for 22 days.

TABLE 1—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER—OCTOBER, 1955 (ASVINA 9, KARTIKA 9, 1887 SAKA)

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2 mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Gangetic West Bengal—(Contd.)																													
Saugor Island	30·1	−0.3	32.4	6	24.9	+0.3	21.9	21,22	137.2	268.6	+63.6	101·2	22	7	−0.5	11.7	9.2	−0.1	0	8	0	0	7	0	0	0	0	0	0
Sandheads	31.8	..	34.9	5	25.5	..	21.2	16,22	68.6	135.2	+17.6	58.0	22	7	+1.3	..	..	..	0	8	0	0	0	0	0	0	0	0	0
Orissa																													
Baripada	32.0	..	35.3	6	21.3	..	18.8	30	16.8	98.5	..	66.7	21	5	..	2.5	1.3	..	1	6	0	0	7	0	0	0	0	0	0
Jharsuguda	32.8	+1.7	35.1	6	21.0	−0.8	18.6	25	17.6	18.6	−61.5	16.0	8	1	−4.4	5.1	4.2	−1.9	0	3	0	0	1	0	0	0	0	1	0
Keonjhargarh	29.5	..	33.0	9	..	..	..	..	44.2	57.4	..	31.2	10	5	..	4.3	2.8	..	2	5	0	0	0	0	0	0	0	0	0
Balasore	31.1	−0.2	34.3	5	21.5	−1.4	18.6	30	44.2	314.3	+151.0	203.1	21	6	−0.4	5.4	3.2	+0.3	0	8	0	0	11	1	0	0	0	0	0
Sambalpur	32.8	+1.2	34.5	5,10,11	21.2	−0.7	18.9	28 29,31	0	0	−54.4	0	..	0	−3.5	(m) 5.4	(m) 4.4	+0.7	0	0	0	0	0	0	0	0	0	0	0
Angul	31.9	+0.5	34.9	9	20.3	−1.7	18.5	26	53.2	59.6	−40.5	25.2	20	6	+0·3	4.8	4.0	−1.0	0	6	0	0	2	2	0	0	0	0	0
Chandbali	31.1	0	34.4	5,10	23.0	−0.7	20.8	30	115.6	196.4	+2.6	68.6	20	8	−0.3	6.8	4.5	−1.5	0	8	0	0	0	0	0	0	0	0	0
Bolangir	33.0	..	37.8	29	21.6	..	18.0	31	1.2	1.2	..	1.2	21	0	..	4.0	3.8	..	0	1	0	0	1	0	0	0	0	0	0
Phulbani	30.2	..	33.0	9,10	19.0	..	15.4	31	9.3	11.5	..	4.8	19	2	..	4.6	2.3	..	0	4	0	0	0	0	0	0	0	0	0
Cuttack	33.0	+0.9	36.6	9	22.7	−0.9	20.0	30	61.7	100.7	−34.9	28.7	20	7	+0.7	4.8	3.0	+0.9	0	7	0	0	3	0	0	0	0	0	0
Titlagarh	34.0	..	36.1	27	22.1	..	19.3	30,31	6·1	7.3	..	4.0	11	1	..	3.5	2.6	..	0	3	0	0	0	0	0	0	0	0	0
Bhubaneswar	31.6	+0.7	35.4	5	22.3	−0.8	19.9	30	60.1	108.6	−157.2	44.5	20	6	−3.7	8.3	6.3	−2.2	0	6	0	0	6	2	0	0	0	0	0
Puri	31.0	−0.4	35.1	5	23.8	−1.2	20.8	19	159·8	285.2	+102.1	110.4	20	7	−0.3	13.2	9.5	−0.8	0	9	0	0	3	0	0	0	0	0	0
Gopalpur	31.4	+0.2	34.6	7	23.1	−0.6	19.9	19	137.1	330.8	+112.4	123.0	19	6	−0.9	10.5	8.2	−1.0	0	7	0	0	3	0	0	0	0	0	0
Koraput	27·8	+1.0	30.4	10	19.5	+1.0	9.6	25	19.8	44·2	−81.2	17.8	21	4	−4.0	..	..	..	0	5	0	0	0	0	0	0	0	0	0
Bihar Plateau																													
Dumka	32.3	+1.1	34.2	5	21.7	+0.2	19.8	23	18.8	42.2	−54.6	20.0	21	3	−1.6	5.2	2.9	+1.0	0	6	0	0	0	0	0	0	0	0	0
Daltonganj	32.5	+0.8	35.6	7,8	20.2	+1.0	18.4	30	17.1	29.4	−19.6	17.3	20	3	−0.2	3·7	2.9	−0.3	0	3	0	0	1	0	0	0	0	0	0
Hazaribagh	28.2	0	31.6	8	17.8	−1.4	15.6	25	30.0	43·6	−35.1	11.5	22	5	+0.4	6.5	4.8	−2.1	0	6	0	0	3	0	0	0	0	0	0
Dhanbad	30.9	..	34.0	4,7	20·9	..	19.0	31	1.0	20.0	..	9.4	8	3	..	3·3	3.1	..	0	4	0	0	1	0	0	0	0	0	0
Ranchi	29.2	+0.8	31.9	3,5	21.0	+2.0	18.8	19	23.2	39.5	−40.0	15 5	19	3	−1.8	3.3	(a) 3.5	−1 2	0	3	0	0	0	0	0	0	0	0	0
Ranchi Aerodrome	28.2	..	31.4	9	18.8	..	17.1	25	27.7	32.3	..	24.6	10	2	..	8·1	5.6	..	1	4	0	0	2	0	0	0	0	1	0
Jamshedpur	31.7	−0.4	34.6	7	21.1	−0.6	18.8	26,28	82.6	105.0	+37.4	65.8	21	4	−0.2	4.9	3.3	−0.1	1	5	0	0	2	0	0	0	0	0	0
Jamshedpur (P. B.O.)	31.2	..	34.4	6	21.2	..	18.6	26	86.7	107.0	..	67.7	21	3	..	5.2	3.4	..	1	5	0	0	5	0	0	0	0	0	0
Chaibasa	31.2	0	35.0	6	20.1	−1.1	18.5	26	73.0	115.4	+41.0	67.6	21	4	−0.4	2.9	1.9	0	0	6	0	0	5	0	0	0	0	0	0
Bihar Plains																													
Motihari	31.6	+0.4	38·4	8	18.5	−2.2	16.4	9	7.4	40.6	−18.1	24.0	31	3	+0.5	3.7	2.1	−0.6	0	4	0	0	0	0	0	0	0	0	0
Forbesganj	30.5	..	33.3	7	20.4	..	17.9	24	15.4	11.8	..	10.6	21	1	..	3.0	1.3	..	1	2	0	0	2	3	0	0	0	0	0
Darbhanga	31.3	+0.1	35.0	6	21.9	−0.1	19.0	31	11.2	17.6	−40.8	6.4	8	3	+0.5	2.7	2.5	+0.4	0	4	0	2	0	0	1	0	0	0	0
Muzaffarpur	..	..	..	..	..	..	..	..	..	37.6	−23.6	24.0	6	3	+0.5	..	..	..	0	3	0	0	0	0	0	0	0	0	0
Chapra	32.3	..	35.4	5	22.6	..	20.3	20	21.2	21.2	−32.4	13.2	19	3	+0.5	3.3	2.1	..	0	3	0	0	1	0	0	0	0	0	0
Purnea	30.9	−0.2	33.4	4	18.7	−2.9	16.1	23	2.2	14.4	−67.4	11.4	30	1	−2.4	0.3	0.1	−2.0	0	4	0	0	1	0	0	0	0	0	0
Patna	32.3	+0.9	34.4	7	21.5	−1.2	18.8	20	18.8	22.6	−35.8	15.0	8	3	+0.1	4.7	4.4	+1.2	0	4	0	0	2	0	0	0	0	0	0
Patna Aerodrome	31.4	..	33.2	5	21.7	..	19.0	20	18.1	21.5	..	16.8	8	2	..	5.4	2.7	..	0	4	0	0	4	0	0	0	0	1	0
Arrah	..	..	..	..	..	..	..	..	..	2.3	−59.2	1.4	8	0	−3.0	..	..	..	0	2	..	..	..	..	.	..	..	.	..
Bhagalpur	32·3	+0.5	34.5	2,3	22.5	−0.6	20.8	23	7.1	8.1	−70.7	4.8	22	1	−2.5	3.9	2.4	−2.2	0	3	0	0	0	0	0	0	0	1	0
Sabaur	32.4	+1.2	35.0	4,5,8	20.9	−0.8	18.7	24,31 23	15·5	16.9	−62.9	8·6	23	2	−0.9	3.7	2.0	−2.0	0	4	0	0	1	0	0	0	0	0	0
Jamui	32.2	..	33.9	4,15,28	20.9	..	18.8	24,28	0	0.2	..	0.2	19	0	..	3.1	2.2	..	1	0	0	0	1	0	0	0	0	0	0
Dehri	32.1	..	35.2	5	21.1	..	18.4	30	0	30.3	−19.2	14.0	17	3	+0.4	4.7	3.9	..	0	5	0	0	2	1	0	0	0	0	0
Gaya	31.5	+0.1	34.9	5	21.1	0	18 9	31	6.1	32.9	−15.9	11·7	17	5	+2.1	6.2	4.6	−0.2	0	6	0	0	4	0	0	0	0	1	0
Uttar Pradesh East																													
Kheri	31.9	+0.1	36.0	4	20.2	+0.3	17.5	7	0	91.6	−0.5	37.6	19	3	+0.7	3.1	1.7	−0.2	0	3	0	0	5	0	3	0	0	0	0
Baharaich	32.4	+0.1	36.6	4	21.1	+0.9	19.1	9,15,19	12.4	26.8	−13.3	12.4	8	4	+2.3	6.2	4.1	+1.8	0	5	0	0	0	0	0	0	0	0	0
Nautanwa	32·0	..	34.0	3,4	19.4	..	16.8	8	4.2	4.2	..	4.2	7	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0	0
Hardoi	32.7	+0.4	35.8	6	18.8	−0.9	17.4	13,24	4.0	11.5	−100.5	11.5	19	1	−1.6	5.0	4.4	+0.7	0	1	0	0	0	0	0	0	0	0	0
Gonda	32.2	−0.5	37.0	5,6	20.0	+0.3	18.0	19	20.4	40.4	−5.1	16.4	8	4	+2.3	3.9	3.4	+0.2	0	5	0	0	2	0	0	0	0	0	0
Lucknow	31.9	−1.1	36.5	4	19.5	+0.3	16.2	14	9.2	84.6	+52.1	35.6	14	4	+2.3	1.9	1.4	−0.4	0	5	0	0	6	0	0	0	0	0	0
Lucknow Amausi	32.1	−0.9	36.8	5	18.7	+1.0	16.3	29	13.1	86.0	+53.5	37.7	19	5	+3.3	5.1	6 2	..	2	5	0	1	10	0	0	0	0	0	0
Faizabad	32.8	..	36.7	5	19.7	..	17.4	19,23	22.0	46.8	..	27.2	20	3	..	3.2	2.0	..	0	3	0	0	4	0	1	0	0	0	0
Gorakhpur	34.0	+2.3	36.0	5	22.5	+1.7	19.9	15	23.5	27.0	−48.4	12.3	8	4	+1.7	2.0	2.7	+1.1	0	4	0	0	0	0	0	0	0	0	0
Kanpur	32.8	−0.1	38.1	11	20.3	+1.4	16.9	13	1.2	85.2	+52.2	48.0	13	4	+2.5	10.2	7.0	+1.4	0	4	0	0	1	0	1	0	0	0	0
Kanpur Aerodrome	32.6	..	37.5	10	20.3	..	16.8	10	8.4	12.2	..	65.0	10	4	..	..	..	..	0	4	0	1	5	0	1	0	0	2	0

(a) Mean of 30 days.

(m) Mean of 14 days.

TABLE II—SUMMARY OF OBSERVATIONS OF TEMPERATRUE, RAINFALL AND WEATHER—OCTOBER, 1965 (ASVINA 9, KARTIKA 9, 1887 SAKA)

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month.	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 or 0.2m.m.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm.	Gro. nd frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Uttar Pradesh East—(Contd.)																													
Sultanpur	30.8	..	36.5	5	20.0	..	18.3	19	33.2	94.2	..	33.2	17	4	..	3·9	3.1	..	0	4	0	0	4	0	0	0	0	0	0
Azamgarh	32.9	..	36.1	4	19.1	..	16.7	15	50.0	51.0	..	40.0	19	2	..	4.1	2.2	..	0	2	0	0	0	0	0	0	0	0	0
Fetehpur	33.1	−0.5	38.0	7,11	20.4	+1.2	17.7	13	0.6	85.0	+62.4	72.4	19	2	+0.6	6·3	3·5	+0.9	0	3	0	0	2	0	0	0	0	0	0
Ballia	30.6	..	35.0	4	23.4	..	19.0	29	20.8	65.8	..	20.6	19	5	..	2·4	2·6	..	0	5	0	0	0	0	0	0	0	0	0
Banda	33.9	..	38.7	7	20.2	..	17.4	14	0	29.3	..	28.0	19	1	..	2·9	1.3	..	0	2	0	0	0	0	0	0	0	0	0
Allahabad (Bamhrauli).	34.0	+1.6	38.5	5	20.8	+1.3	18.8	14	26.6	35.7	−23.7	25.2	14	4	+1.5	4·5	3·5	−0.2	0	5	0	0	6	0	0	0	0	0	0
Varanasi (Babatpur).	32.8	+0.8	36.8	5	20.5	−0.4	17.9	15	34.4	34.4	−3·2	27.0	20	2	−0.2	8.7	6 5	+0.2	0	2	0	0	4	0	0	0	0	0	0
Varanasi	33.8	+1.3	37.1	5,8	20.4	+0.4	16.8	31	0	2.8	−52.6	2.8	19	1	−1.2	4·5	6.5	+3.3	0	1	0	0	0	0	0	0	0	0	0
Uttar Pradesh, West																													
Mukhim	21·4	..	24·0	5	11·4	..	7·4	7	5.2	17.6	..	11.4	7	2	..	..	..	..	0	5	0	0	5	1	0	0	0	0	0
Tehri	30·1	..	34·0	3	15·5	..	12·7	15	3,7	19·9	..	13.6	7	2	..	4·1	2·0	..	0	5	0	0	3	0	0	0	0	0	0
Dehra Dun	28.4	−0.1	31.8	3	15.2	−0.5	13.2	7,14	0	23.8	−8·2	15.4	7	2	+0.4	3.4	3.4	+0.3	0	3	0	0	2	0	0	0	0	0	0
Mansiari	18.1	..	21·0	4	8.4	..	5·5	20	..	182·0	..	134.6	30	9	..	..	..	..	0	13	0	0	0	0	0	0	0	0	0
Roorkee	31.4	+0.2	35.4	4	16 2	−0.1	14.2	20	1.8	8.1	−13·2	6.3	7	1	+0.1	5.3	2·3	+1.4	0	2	0	0	1	0	1	0	0	0	0
Najibabad	32.3	..	35.5	4	15.9	..	13.7	20	11.6	32.2	..	20.6	7	2	..	6.6	5·2	..	0	3	0	1	1	0	0	0	0	0	0
Meerut	33.7	+1.2	37.5	1,6,7	16.6	−0.4	13.7	29	0	10.0	−10·6	10.0	19	1	+0.1	..	4·0	..	0	1	0	0	0	0	0	0	0	0	0
Bareilly	33.8	+1·7	37.5	4	20.1	+0.3	17.4	10	7.4	17.0	−15·3	11.2	19	2	+1.1	7.3	4·9	+3.3	0	2	0	0	1	0	0	0	0	0	0
Aligarh	..	..	..	..	19.5	+0.7	16.7	19	0	12.2	+4·3	12.2	18	1	+0.7	8.5	6·2	+1.2	0	1	0	0	1	0	0	0	0	0	0
Manipur	34.0	0	38.5	6	18.8	+0·5	16·0	13	0	73.9	+49.8	52.4	13	3	+2.0	1.3	0.5	−1.3	0	3	0	0	4	1	0	0	0	0	0
Agra	34.1	+0.3	38.0	4	19.5	+1.1	14.0	15	0	50·0	+32.0	50.0	18	1	+0.2	2.3	1.6	−2 3	0	1	0	0	0	0	0	0	0	0	0
Agra Aerodrome.	34.4	..	38.2	6	18.5	..	16·0	29	0	50.4	..	49.1	18	1	..	..	..	..	0	2	0	0	3	0	0	0	0	0	0
Orai	34.3	..	38.0	6,7	19.9	..	15.2	14	2.0	7.0	..	4.0	19	2	..	..	..	..	0	2	0	0	0	0	0	0	0	0	0
Jhansi	35.0	+1.1	38.6	7	20.3	+1.0	16.4	19	0	6.2	−18.9	6.2	18	1	−0.1	5.0	5·0	+1.1	0	1	0	0	0	0	0	0	0	0	0
Punjab (Including Delhi)																													
Pathankot	32.3	+1.5	36.0	3,4	19.0	+2.1	15.6	8	7.0	11.7	−103.6	11.4	14	1	−1.8	..	..	..	0	2	0	0	3	0	0	0	0	0	0
Bhuntar	27.5	..	31.4	3,4	10.5	..	8.5	29	8.7	30.6	..	16.8	7	3	..	10.4	5.9	..	0	3	0	0	6	0	0	0	0	0	0
Amritsar (Rajasansi)	33.4	+1.4	36.6	1	17.5	+0.9	15.1	8	0	9.3	−32.5	9.3	14	1	−0.4	7.8	5.7	−0.4	0	1	0	0	3	0	0	0	0	0	0
Adampur Aerodrome	33.9	..	38.2	1	16.4	..	13.6	8	20.6	48.8	..	28.2	17	2	..	..	..	..	0	2	0	0	2	0	0	0	0	0	0
Ludhiana	34.9	+1.4	38.8	1	16.0	−1.3	13.8	28	0.1	1.1	−9·8	1.0	7	0	+0.7	4.7	2·9	+1.3	1	1	0	0	5	0	1	0	0	0	0
Ferozepur	33.5	..	37.2	3	17.6	..	15.1	30,31	3.0	19.0	..	11.4	14	2	..	2.2	2.0	..	0	2	0	0	3	0	0	0	0	0	0
Halwara Aerodrome.	33.2	..	36.4	2	15.7	..	12.5	28	0	3.8	..	3.8	14	1	..	..	17.5	..	0	1	0	0	4	0	0	0	0	0	0
Chandigarh	32.1	+1.4	36.5	4	18.6	+2.0	14.3	7	4.2	17.6	−64.3	11.4	7	2	−1.6	..	..	..	0	2	0	0	0	0	0	0	0	0	0
Ambala	33.3	+0.1	37.6	4	18.7	+2.0	15.8	7	0.3	0.3	−21.8	·0.3	14	0	−0.9	7·8	6.5	+3·4	0	1	0	0	3	0	0	0	0	0	0
Ambala Aerodrome.	32.9	..	37.2	4	16.9	..	13.9	9, 22	2.6	5.6	..	2.6	14	1	..	..	..	..	0	3	0	0	7	0	2	0	0	0	0
Patiala	33.6	..	37.4	1	18.2	..	15.7	31	0	11.4	+9.6	11.4	7	1	+0.7	7.0	6.1	..	0	1	0	0	4	0	0	0	0	0	0
Bhatinda	34.7	..	37.9	1, 2	17.2	..	14.4	31	0	9.0	..	7.0	18	1	..	2.6	3.9	..	0	1	0	0	0	0	0	0	0	0	0
Karnal (R)																													
Hissar	34.9	−0.1	38.9	3	19.6	+2.3	16.5	31	6.8	9.2	−6.3	7.6	18	1	+0.4	6.2	6·3	+1 2	0	2	0	0	2	0	0	0	0	0	0
New Delhi (Safdarjung)	33.3	0	36.8	6	19.3	+0.8	15.8	19	0.2	0.2	−10.0	0.2	19	0	−0.6	10.2	5.7	−0.1	1	0	0	0	4	0	0	0	0	0	0
Palam Aerodrome.	33.3	..	36.7	4	18.8	..	15.9	28	0	0.7	..	0.6	18	0	..	..	..	..	1	1	0	0	4	0	0	0	0	0	0
Himachal Pradesh																													
Mandi	29·0	+1·1	33·6	3	10·2	−3.0	7.7	14	33.2	77.3	−11.3	31.0	7	4	−1·0	2·8	2.6	+0.6	0	4	0	0	1	0	0	0	0	0	0
Bilaspur	30·7	..	35·0	3	..	..	..	..	15.5	35.0	..	19.5	7	3	..	..	..	..	0	3	0	0	2	0	2	0	0	0	0
Jammu and Kashmir																													
Misgar (R)																													
Gilgit (R)																													
Skardu (R)																													
Dras (R)																													
Sonamarg (R)																													
Leh	14·8	+0·2	17·6	14,15	−2·3	−1·5	−4·0	27	0	0.8	−1·7	0.8	18	0	−0·3	6·9	6·0	+2.9	0	1	2	0	0	0	0	0	0	0	0
Srinagar	22·0	−1·2	26·3	12	6·6	+1·8	−4·3	31	3·6	12·1	−17·6	8.2	3	2	−0·8	5·0	3.7	+0.5	1	2	0	0	2	0	0	0	0	0	0
Srinagar (Aerodrome).	21·9	..	25·2	10	7·7	..	5·6	31	2·1	7·3	..	5.2	3	1	..	..	..	..	0	2	0	0	4	0	0	0	0	0	0

(R) Register not received.

*Data not reliable.

TABLE II—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER—OCTOBER, 1965 (ASVINA 9, KATIRKA 9, 1887 SAKA)

Sub-Division and station	Air temperature in °C								Rainfall in milimetres					No. of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2 mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28	29
Jammu and Kashmir—(Contd.)																													
Gulmarg	Closed during winter months																												
Qazigund	22·1	..	24·6	12	6·7	..	4·8	26	2·8	21·5	..	16·3	3	1	..	1·5	1·7	..	0	4	0	1	3	0	0	0	0	0	0
Banihal	23·8	..	27·8	27	8·0	..	6·2	9, 10	15·0	38·4	..	21·2	3	3	..	..	..	..	0	4	0	0	3	0	0	0	0	0	0
Jammu	33·1	+1·9	37·9	6	19·1	−0.5	..	..	0	18·8	+3.3	18·8	14	1	−0·1	..	5·5	..	0	1	0	0	0	0	0	0	0	0	0
Jammu Aerodrome.	32·6	..	36·5	17	19·2	..	..	..	4·3	5·1	..	5·1	14	1	..	..	..	..	0	1	0	0	2	0	1	0	0	0	0
Rajasthan West																													
Ganganagar	36·3	+1·8	39·0	7	18·5	+0·2	14·7	31	0	0	−3·7	0	..	0	−0·6	4·9	3·5	+0·2	0	0	0	0	2	0	0	0	0	0	0
Anupgarh (R)																													
Mahajan	37·4	..	41·2	6	21.2	.	17.0	31	0	0	..	0	..	0	..	10·9	7·3	..	0	0	0	0	0	0	0	0	0	0	0
Churu	35·3	..	39·9	6	19·8	..	16·5	19	1·2	33·2	..	32·0	17	1	..	12·6	8·0	..		2	0	0	4	0	0	0	0	0	0
Bikaner	37·4	+1.4	40·4	6	21·2	−2·1	17·1	20	0	2·2	−3·1	2·2	17	0	−0·4	12·3	9·2	+3·1	0	1	0	0	1	0	0	0	0	0	0
Nagaur	37·1	..	40·4	6	20·2	..	15·9	28	0	3·0	..	3·0	17	1	..	10·3	7·9	..	0	1	0	0	1	0	0	0	0	0	0
Phalodi	37·2	..	41·2	6	19·6	..	15·7	19	0	0	−2·0	0	..	0	−0·1	15·5	12.5	..	0	0	0	0	0	0	0	0	0	0	0
Jaisalmer	37·8	..	41·0	5	20·9	..	18·8	5 days	0	0	..	0	..	0	..	1·4	10·4	..	0	0	0	0	0	0	0	0	0	0	0
Jodhpur	37·4	+2·1	40·4	5	21·0	+2·4	16·3	29	0	0	8·1	0	..	0	−0·5	..	..	..	0	0	0	0	1	0	0	0	0	0	0
Barmer	37·8	+1·6	40·8	5	22·4	+1·1	14·7	29	0	0	−2·5	0	..	0	−0·5	7·3	6·9	−0·7	0	0	0	0	1	0	0	0	0	0	0
Erinpura (Jawai Dam.)	36·2	..	38·2	12	21·9	..	16·4	19	0	0	..	0	..	0	..	4·9	5·1	..	0	0	0	0	0	0	0	0	0	0	0
Rajasthan East																													
Pilani	35.2	..	39.5	6	17.8	..	14.0	31	0	1.2	..	1.2	17	0	..	13.2	9.1	..	0	1	0	0	0	0	0	0	0	0	0
Sikar	34·7	..	37·8	6	17·7	..	13.9	27, 28	0	16·0	..	16.0	16	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0	0
Alwar	34·3	..	38·0	4 6	20·4	..	17·5	29	0	10·0	..	10.0	18	1	..	2·8	1·5	..	0	1	0	0	3	0	0	0	0	0	0
Jaipur(Sanganer)	34·2	−0.1	37·9	6	20·0	+2·1	17·5	19	16.4	21·1	+8.9	11·4	19	2	+1.3	..	..	..	0	4	0	0	5	0	0	0	0	0	0
Dholpur	34·6	..	38·6	6	18.6	..	16·2	31	2·2	40·5	..	31·0	18	2	..	6·5	3.7	..	0	2	0	0	4	0	0	0	0	2	0
Ajmer	34·7	+1.6	37·9	7	20·9	+2.8	15·6	30	0	6·2	−3·5	4 0	18	1	+1·3	5·6	7.7	+4.3	0	2	0	0	0	0	0	0	0	0	0
Tonk	36·1	..	39·7	7	22·5	..	15·7	29	1.6	3·5	..	1·9	14	0	..	8·9	6·8	..	0	2	0	0	0	0	0	0	0	0	0
Bhilwara	32·3	..	39·5	6	18·2	..	15·6	18	0	9·6	..	9·6	17	1	..	7·6	6·3	..	0	1	0	0	1	0	0	0	0	0	0
Kota	35·8	+1.0	38·6	7	23·5	+2.2	18·6	20	0	8·2	−8·3	4.6	14	2	+1.0	7·8	6 0	+3.6	0	2	0	1	1	0	1	0	0	0	0
Kota Aerodrome	35·7	..	40 0	6, 7	22·2	..	19.2	14	0	8·6	..	4.4	17	1	..	11·5	11·3	..	0	1	0	0	2	0	0	0	0	0	0
Chambal (Rawat Bhatta Dam)	35·6	..	39·1	6	20·4	..	16·4	31	1.3	1·3	.	1·3	20	0	..	7·3	4·8	..	0	1	0	0	3	0	0	0	0	0	0
Udaipur	34·1	+0.9	36·7	13,14	17·5	−0 1	14·0	30	1.4	1·6	−12.9	1·0	14	0	−1·1	4·3	1·9	..	0	2	0	0	4	0	0	0	0	0	0
Jhalawar	35·7	+2·4	39 3	6	18·3	+0·5	14·6	31	0	1.2	−12·8	1.2	14	0	−1·5	6·5	4·2	+1·6	0	1	0	0	0	0	0	0	0	0	0
Banswara	36·1	..	38·4	13	20·4	..	17·2	30	0	0	..	0	..	0	..	6·7	5·9	..	0	0	0	0	0	0	0	0	0	0	0
Madhya Pradesh West																													
Gwalior	34·2	+0·7	38·0	7	19·1	+1·2	16·1	21	0	0 4	−8·0	0·3	18	0	−0·6	10·1	5·4	..	1	1	0	0	4	0	0	0	0	0	0
Sheopur	35·6	+2·7	39·2	7	19·3	+0·9	16·5	30	5·2	5·2	−34·1	5·2	20	1	−0.4	8·5	6·9	+2.0	0	1	0	0	2	0	0	0	0	0	0
Shivpuri	33·7	..	38·7	29	15·8	..	11.5	30	44.0	60·0	..	57·2	18	2	..	8·9	5·0	..	0	2	0	0	1	0	0	0	0	0	0
Nawgong	34·2	+1·6	38·4	7	18·1	−0·1	14·9	29	2·0	8·2	−20.5	4·4	18	2	+0·5	6·5	3·5	+1·6	0	3	0	0	2	0	0	0	0	0	0
Guna	34·4	+2·4	37·7	7	17·5	+0·7	13·0	30	3·4	14·2	−12·5	9·6	18	2	−0 4	10·4	6·4	..	0	3	0	0	3	0	0	0	0	0	0
Nimach	34·1	+1.3	36·8	5	20·0	+1·9	17·0	31	2.2	2·2	+13·5	2·2	19	0	−0·0	8·9	7·6	+1·3	0	1	0	0	3	0	0	0	0	0	0
Rajgarh	35·2	..	38·4	7	18·6	..	15·1	30,31	0	0	..	0	..	0	..	9·0	6·1	..	0	0	0	0	0	0	0	0	0	0	0
Sagar	33·1	+1·9	36·0	7	19·3	−0·5	16·7	14	6·2	9·4	−18 3	5·0	20	1	−0·9	7·7	6·2	..	0	3	0	0	2	0	0	0	0	0	0
Ratlam	35·0	+2·7	37·2	5	19·1	0	16·1	29	0	0	−48·1	0	..	0	−2·0	8·3	6·4	+0·5	0	0	0	0	1	0	0	0	0	0	0
Bhopal (Bairagarh).	33·7	+2·6	36·0	7	18·6	−0·8	14·9	22	0	0	−42·2	0	..	0	−2·4	10·8	7·9	+2 6	0	0	0	0	3	0	0	0	0	0	0
Ujjain	35·0	..	38·0	6	16·8	..	13·1	29,30	0	0	..	0	..	0	..	8·5	4·8	..	0	0	0	0	1	0	0	0	0	0	0
Narsinghpur	34 7	..	37·4	6	15 8	..	11·6	31	0	0	..	0	..	0	..	5·4	2·8	..	0	0	0	0	0	0	0	0	0	0	0
Hoshangabad	34.8	+2·7	37·3	5, 6	19·5	+0·2	15·0	31	0	0	−32·5	0	..	0	−2·0	5·0	4·0	+1·9	0	0	0	0	1	0	0	0	0	0	0
Indore	34·0	+2·5	·8	7	18 1	+1·3	15·5	18,22, 30	9.1	9.1	−21·6	4.6	19	2	0	11·4	9·0	..	0	2	0	0	4	0	0	0	0	0	0
Rajpur (Jhabua)	34·7	..	36 6	12, 13	19·5	..	15·6	29	0	0	..	0	..	0	..	6·7	3·7	..	0	0	0	0	0	0	0	0	0	0	0
Chhindwara	32·7	+3·3	34·8	6	16·5	−1·1	12·8	30	2·8	5·6	−63·5	2·8	12, 19	2	−2·3	7·8	3·7	−0·6	0	2	0	0	4	0	0	0	0	0	0
Seoni	32·8	+2·6	35·6	7, 8	18·0	+0·2	15·5	30	35·0	36·6	−21·1	24·0	10	3	−0·1	7·0	4·2	+0·3	0	4	0	0	5	0	0	0	0	0	0
Betul	32·0	+2 7	34·9	7	15·9	−1·3	12·4	30	6 2	6·2	−56.5	6·2	11	1	−3·0	6·2	3·4	−0·7	0	1	0	0	4	0	0	0	0	0	0
Khandwa	36·6	−3·0	39 2	7	20·1	−1·2	15·9	23	0	2.0	−3·3	2.0	16	0	−2·0	7·7	5·3	+1·1	0	1	0	0	2	0	0	0	0	0	0
Madhya Pradesh East																													
Satna	33·3	+2.0	36·7	7	19·1	+0·3	16·3	31	0	30·2	−18·8	30·2	19	1	−1·2	5·6	4·2	+0·8	0	1	0	0	1	0	0	0	0	0	

(R) Register not received.

*Departure indicated relates to 1940 normal adopted provisionally.

TABLE II—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER—OCTOBER, 1965 (ASVINA 9, KARTIKA 9, 1887 SAKA)

Sub-Division and station	Air temperature in °C								Rainfall millimetres					No. of rainy days (2.5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Madhya Pradesh East—(*Contd*)																														
Rewa	33·6	..	37·5	7	19·7	..	16·9	23	9·0	10·2	..	6·0	20	2	..	6·0	3·3	..	0	2	0	0	0	0	0	0	0	0	0
Sidhi	34·1	..	37·4	5	18·7	..	16·2	31	0	4·2	..	4·2	14	1	..	6·3	3·4	..	0	1	0	0	0	0	0	0	0	0	0
Umaria	33·2	+2·8	36·1	7	17·4	+0·1	14·4	31	9·6	9·6	—53·1	9·6	19	1	—1·7	6·1	3·4	+0·5	0	1	0	0	3	2	0	0	0	0	0
Jabalpur	34·5	+3·5	37·2	7	18·4	+0·9	15·0	30	0	4·6	—43·1	4·6	18	1	—1·3	5·8	3·5	+1·2	0	1	0	0	1	0	0	0	0	0	0
Ambikapur	30·1	+1·1	33·2	8	17·5	—0·5	15·3	31	4·3	15·8	—31·4	4·6	17	4	—0·3	..	..	..	0	5	0	0	4	2	0	0	0	0	0
Jashpur Nagar	28·6	..	32·0	8,9	20·2	..	18·0	20	31·3	31·3	..	24·0	18	3	..	6·0	3·7	..	0	3	0	0	0	0	0	0	0	0	0
Pendra	29·9	+1·5	33·3	8	18·7	+0·9	16·1	25	17·4	17·8	—58·1	11·2	15	2	—2·1	7·1	5·2	..	0	2	0	0	4	0	0	0	0	0	0
Mandla	32·4	+1·9	34·7	7,8	16·2	—1·4	12·2	30	1·2	45·8	—19·7	44·6	19	1	—2·7	4·7	2·5	+0·4	0	2	0	0	3	1	0	0	0	0	0
Champa	32·7	+1·4	35·1	8	20·6	—1·2	17·7	31	0	0	—59·5	0	..	0	—4·6	4·9	3·5	—1·5	0	0	0	0	0	0	0	0	0	0	0
Raigarh	33·3	+1·4	35·4	5,7,8	21·4	—0·9	19·2	31	0	0	—56·9	0	..	0	—4·3	2·7	2·1	—2·3	0	0	0	0	0	0	0	0	0	0	0
Raipur	33·8	+2·4	36·3	8,9	21·1	+0·2	17·8	31	3·4	3·4	—51·7	3·4	13	1	—2·3	6·3	4·8	—0·7	0	1	0	0	4	2	0	0	0	1	0
Kanker	32·2	+1·9	34·4	9	19·4	—0·2	15·9	31	0	0	—112·8	0	..	0	—5·3	5·3	3·6	—0·1	0	0	0	0	0	1	0	0	0	0	0
Jagdalpur	32·1	+2·4	34·5	9	19·2	—0·2	16·8	26	0·2	0·5	—110·2	0·5	8	0	—5·7	5·9	3·5	..	0	1	0	0	1	0	0	0	0	0	0
Gujarat Region (including Daman Dadra and Nagar Haveli)																														
Deesa	37·1	..	39·6	6,16	18·4	..	14·4	29	0	0	..	0	..	0	..	8·4	5·7	..	0	0	0	0	0	0	0	0	0	0	0
Radhanpur	36·7	..	39·3	6,13	21·0	..	18·1	27	0	0	..	0	..	0	..	3·0	4·0	..	0	0	0	0	0	0	0	0	0	0	0
Idar	36·4	..	39·3	14	21·3	..	17·7	25,31	0	0	..	0	..	0	..	6·9	4·8	..	0	0	0	0	0	0	0	0	0	0	0
Ahmadabad	37·1	+0·9	39·6	14	21·4	+0·6	19·4	21,31	0	0	—8·9	0	..	0	—0·7	6·0	3·8	—1·0	0	0	0	0	0	0	0	0	0	0	0
Dohad	35·8	+2·3	38·3	14	20·3	+0·5	17·3	26	0	0	—31·1	0	.	0	—1·6	9·1	8·6	0	0	0	0	0	0	0	0	0	0	0	0
Vallabh Vidya Nagar	36·7	..	38·9	13,14	20·1	..	16·3	29	0	0	.	0	.	0	.	7·0	4·6		0	0	0	0	0	4	0	0	0	0	0
Baroda Aerodrome	37·3	..	40·0	15	21·0	..	17·6	28,29	0	0	.	0	..	0	..	5·8	3·8	..	0	0	0	0	0	0	0	0	0	0	0
Baroda	38·0	+2·8	40·4	15	21·6	+1·8	18·9	4 days	0	0	—29·2	0	..	0	1·5	2·7	1·5	—1·1	0	0	0	0	0	0	0	0	0	0	0
Broach	38·4	+2·5	40·4	14,16, 19	22·4	+0·3	19·3	28	0	0	—55·7	0	..	0	—2·5	4·5	3·2	—2·0	0	0	0	0	1	0	0	0	0	0	0
Surat	37·1	+2·6	39·0	5days	22·8	+0·5	20·7	23	0	0	—38·3	0	..	0	—2·0	7·7	6·5	+2·3	0	0	0	0	1	0	0	0	0	0	0
Saurashtra and Kutch (including Diu)																														
Naliya	34·1	..	39·0	18	19·5	..	15·2	27	0	0	..	0	..	0		(b) 15·2	(c) 9·2		0	0	0	0	0	2	0	0	0	0	0
Bhuj (Rudramata)	37·2	+1·6	39·1	13,14, 15	21·4	0	19·6	28	0	0	—8·4	0	..	0	—0·5	12·9	10·6	+0·9	0	0	0	0	0	1	0	0	0	0	0
Kandla Aerodrome	36·8	..	39·5	14,16	21·7	.	17·0	27	0	0	..	0	.	0	.	17·0	14·9	..	0	0	0	0	1	5	0	0	0	0	0
New Kandla	34·2	..	37·8	13	23·8	..	22·0	27	0	0	.	0	..	0	..	15·8	14·6	..	0	0	0	0	0	0	0	0	0	0	0
Mandvi	31·5	—0·4	36·5	21	22·8	0	20·0	27	0	0	—13·4	0	..	0	—1·5	20·6	17·4	+0·5	0	0	0	0	0	0	0	0	0	0	0
Surendranagar	37·4	+2·6	40·1	14	23·2	+0·8	21·7	28	0	0	—24·3	0	..	0	—1·9	(a) 9·2	(b) 8·3	+0·2	0	0	0	0	0	0	0	0	0	0	0
Okha	30·0	..	32·5	6	24·0	..	22·3	11	0	0		0	..	0	..	13·9	12·3	..	0	0	0	0	0	0	0	0	0	0	0
Jamnagar Aerodrome	34·6	0	38·0	16	21·1	+0·1	18·1	31	0	0	—7·9	0	..	0	—0·5	..	..	..	0	0	0	0	0	5	0	0	0	0	0
Dwarka	30·9	+0·2	35·7	21	24·2	0	21·2	11	0	0	—6·3	0	.	0	—0·3	13·0	10·5	—0·6	0	0	0	0	0	0	0	0	0	0	0
Rajkot	36·9	+2·4	39·2	6	21·0	+0·6	17·9	30	0	0	—67·2	0	..	0	—2·6	16·0	13·0	+0·9	0	0	0	0	0	9	0	0	0	0	0
Bhaunagar Aerodrome	36·4	+1·9	38·8	15	23·0	+0·8	21·0	23,28	0	0	—22·9	0	.	0	—0·9	16·7	14·0	+3·6	0	0	0	0	1	1	1	0	0	0	0
Porbander Aerodrome	33·5	+1·0	40·0	15	21·3	—1·9	17·6	31	0	0·8	—49·1	0·8	15	0	—1·9	16·0	9·9	..	0	1	0	0	1	5	0	0	0	0	0
Keshod	36·4	..	39·5	15	20·0	.	16·0	26	0	0	..	0	..	0	..	16·2	11·6	..	0	0	0	0	2	4	0	0	0	0	0
Mahuva	36·1	..	38·0	16	22·1	..	18·0	8	0	0	..	0	..	0	..	6·4	8·5	..	0	0	0	0	0	0	0	0	0	0	0
Veraval	33·4	..	39·6	15	21·7	..	19·2	26	0	0	—15·7	0	..	0	—0·8	18·3	14·3	.	0	0	0	0	1	4	0	0	0	0	0
Konkan (including Goa)																														
Dahanu	32·6	+0·9	36·6	15	23·1	+0·1	21·3	24	0	0	—61·0	0	.	0	—2·8	16·0	11·4	+0·8	0	0	0	0	0	0	0	0	0	0	0
Bombay (Santa-Cruz)	34·5	+2·7	37·4	21	22·7	+0·6	20·1	24	0	0	—55·8	0	..	0	—4·0	11·0	6·7	..	0	0	0	0	0	0	0	0	0	0	0
Bombay (Colaba)	32·5	+0·9	35·6	17,18	24·6	+0·4	23·0	24	0	0	—64·5	0	..	0	—3·1	10·5	8·5	—1·3	0	0	0	0	0	0	0	0	0	0	0
Alibag	32·6	+1·2	35·8	4	23·3	—0·3	21·6	1 days	0	0	—127·8	0	..	0	—5·1	.	7·8	—0·6	0	0	0	0	0	0	0	0	0	0	0
Bhira	37·8	..	39·5	22,23 25	20·7	.	18·1	29	30·2	46·6	..	46·6	2	1	..	3·4	1·8	.	0	1	0	0	0	0	0	0	0	0	0
Harnai	30·2	+0·1	32·8	23	25·2	+0·7	23·8	30	0	1·2	—91·0	1·2	11	0	—4·1	14·7	11·5	+1·2	0	1	0	0	1	0	0	0	0	0	0
Ratnagiri	32·5	..	36·6	14	22·3	..	20·5	25	0	0	—110·0	0		0	—5·4	10·2	6·5		0	0	0	0	0	0	0	0	0	0	0
Devgarh	31·8	+1·2	35·9	18	24·5	+0·3	22·8	14	0	0	—127·4	0	..	0	—6·5	13·1	9·5	—1·0	0	0	0	0	0	1	0	0	0	0	0
Vengurla	32·2	+1·2	35·5	18	23·1	—0·9	21·3	14	0	5·1	—133·5	5·1	12	1	—7·3	10·1	5·7		0	1	0	0	2	2	0	0	0	0	0
Panjim	32·4	..	35·3	14	24·3	..	23·3	3,15	0	1·1	..	1·0	3	0	..	10·1	7·1	.	1	1	0	0	1	1	0	0	0	0	0
Marmugao	31·0	..	33·2	17	24·9	..	23·8	3	0	0·9	.	0·5	11	0	..	12·2	8·8	..	0	2	0	0	0	0	0	0	0	0	0
Daholim (Naval Air Station)	31·6	..	34·5	14	24·9	..	23·7	15	0	0·7	.	0·7	11	0	..	8·7	5·7	..	0	1	0	0	1	0	0	0	1	1	0
Madhya Maharashtra																														
Nandurbar	37·3	..	39·0	5,12	22·5	..	19·9	31	0	4·8	.	4·8	1	1	..	(g) 6·6	(g) 13·2	..	0	1	0	0	0	0	0	0	0	0	0
Jalgaon	37·2	+3·1	38·9	6	19·5	+0·2	15·4	31	0	0·8	36·7	0·8	17	0	—1·8	9·0	7·6	+1·0	0	1	0	0	0	0	0	0	0	0	0
Malegaon	36·3	+3·1	40·0	7	18·5	—0·3	16·1	31	0	0	—43·4	0	..	0	—2·7	7·2	6·2	—0·1	0	0	0	0	0	0	0	0	0	0	0

(b) Mean or Total for 29 days. (a) Mean of 30 days. (g) Mean of 24 days. (c) Mean of 28 days.

TABLE II—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER—OCTOBER, 1965 (ASVINA 9—KARTIKA 9, 1887 SAKA)

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20-b	21	22	23	24	25	26	27	28	29
Madhya Maharashtra—(Contd.)																													
Ozar	34.3	..	..	..	17·3	..	..	..	(h) 2·3	(i) 12·1	..	..	..	..	..	(m) 11·8	(m) 9·8		..	..	0	0	0	1	0	0	0	0	0
Ahmadnagar	35·6	+4·2	37·4	8	18.4	−0.3	15·8	31	0·6	4·0	−51·1	2·6	12	1	−2·4	9·1	6·0	−1	0	2	0	0	1	0	0	0	0	0	0
Khandala	..	..	..	..	..	..	..	..	..	8·0	−172·1	8·0	12	1	−5·3	..	..		0	1	..	..	..	..	..	..	..	..	..
Poona Aerodrome	35·4	..	36·8	14	19·3	..	16·7	29	3·6	3·6	..	2·8	17	1	..	..	..	..	0	2	0	0	3	0	0	0	0	0	0
Poona	34·4	+3·6	35·3	10,17	17·1	−1·5	13·0	29	6·7	10·3	−79.6	8·7	2	1	−4·1	6·8	3·8	..	1	1	0	0	2	0	0	0	0	0	0
Pur	35·3	+3·5	37·0	8	19.1	−0·5	14·9	31	0	0	−83·0	0	..	0	−4·6	9·4	6·3	−0·7	0	0	0	0	0	0	0	0	0	0	0
Baramati	34·9	+3·5	36·5	9	19·9	+0·2	16·0	29	0	2·0	−92·6	2·0	1	0	−5·1	8·6	7·4	−0.8	0	1	0	0	1	0	0	0	0	0	0
Sholapur	36·0	+3·4	38·5	7	21·2	+0·8	18·0	31	0	3·2	−74·0	2·0	2	0	−4·3	10·3	8·8	−0·7	0	2	0	0	0	0	0	0	0	0	0
Miraj	34·3	+3·8	35·8	4 days	19·5	−0·7	16·1	25,26, 30	1·8	21·2	−83·5	18·8	12	1	−5·4	..	..	..	0	4	0	0	3	1	0	0	0	0	0
Kolhapur	34·3	+3·8	36·2	10	19·9	0	17·6	30,31	6·5	32·6	−100·0	24·0	12	2	−5·9	11·8	8·5	−0·4	0	3	0	0	3	0	0	0	0	0	0
Marathwada																													
Aurangabad	35·4	+3·3	37·6	7	20·6	+1·2	17·4	12	5·2	5.2	−40·3	5·2	12	1	−1·8	7·3	6·2	−1·7	0	1	0	0	0	0	0	0	0	0	0
Aurangabad (Chikalthan)	34·9	..	36·8	6	17·5	..	13·4	31	0	0	..	0	..	0	..	11·1	7·3	..	0	0	0	0	0	0	0	0	0	0	0
Parbhani	35·0	+2·8	37·6	7	19·3	−0·1	15·8	31	0	18·2	−38·1	18·2	17	1	−2.4	7.9	4·9	−1·8	0	1	0	0	1	0	0	0	0	0	0
Nander	35·7	..	38·0	9	18·3	..	15·2	28	0	10·0	..	10·0	17	1	..	(o) 5·7	(n) 3·4	..	0	1	0	0	1	0	0	0	0	0	0
Bir	34·8	..	36·9	8,9	18·6	..	14·5	30,31	0	5·0	..	5·0	2	1	..	5·8	3·2	..	0	1	0	0	0	0	0	0	0	0	0
Vidarbha																													
Bondia	33·6	+2·4	36·3	9	20·9	−0·1	17.6	31	0	0.8	−67·7	0.8	7	0	−3·9	4·0	2·4	−0·8	0	1	0	0	0	0	0	0	0	0	0
Nagpur (Sonegaon)	34·8	+2·7	37·9	7	18·4	−1·3	14·7	30	0	1·0	−54·1	1·0	17	0	−3·1	7·3	6·4	..	0	1	0	0	1	0	0	0	0	1	0
Amraoti	35·7	+3·0	38·0	7,8	21·0	+0·6	17·9	30	0	0	−48·5	0	..	0	−2·6	9·0	7·1	+2·0	0	0	0	0	0	0	0	0	0	0	0
Akola Aerodrome	36·5	..	39·0	8	17·8	..	13·8	30	0	2·0	..	2·0	17	0	..	8·4	6·9	..	0	1	0	0	2	0	0	0	0	0	0
Akola	36·8	+3·1	39·5	7,8	17·5	−1·9	13·5	31	0	8·2	−38·0	8.2	17	1	−1·5	5·6	4·4	+0·1	0	1	0	0	0	0	0	0	0	0	0
Bramhapuri	34·3	..	36·6	9	20·5	..	16·4	30,31	0	0	..	0	..	0	..	5·5	3·3	..	0	0	0	0	0	0	0	0	0	0	0
Buldana	33·7	+3·9	35·7	6	21·1	+0·8	18·4	31	0	0·4	−42·4	0·4	20	0	−2·7	8·4	6·5	+0·1	0	1	0	0	1	0	0	0	0	0	0
Yeotmal	34·1	+3·2	37·4	5	20·3	+0·2	18·1	24	0	0	−53·6	0	..	0	−3·5	9·0	6·9	+0·4	0	0	0	0	0	0	0	0	0	0	0
Chanda	34·1	+2·0	36·5	8	20·0	−0·1	16·6	31	0	0	−51·8	0	..	0	−2·9	6·6	3·9	+1·2	0	0	0	0	1	0	0	0	0	0	0
Pusad	35.6	..	37.6	7	18.3	..	14.1	30	0	0	..	0	..	0	..	6.0	4.0	..	0	0	0	0	0	0	0	0	0	0	0
Sironcha	34·7	+2·6	37·0	9	21·6	−1·3	18·3	19	0	0	−94·3	0	..	0	−5·9	4·4	3·3	−0·7	0	0	0	0	0	0	0	0	0	0	0
Coastal Andhra Pradesh																													
Kalingapatnam	31·9	+0·7	35·6	7,8	23·7	−0·6	21·8	31	37.1	127·1	−72·8	66·0	18	6	−1·3	9·8	7·1	−0·5	0	10	0	1	4	0	0	0	0	0	0
Vishakhapatnam	33·0	+0·7	37·2	8	24·1	−0.3	21·1	31	9·2	117·5	−81·4	55·8	18	4	−4·3	13·0	7·1	+0·3	0	10	0	0	6	0	0	0	0	0	0
Kakinada	32·9	+1·8	35·4	7,11	23·9	−0·5	22·3	17	0	53·8	−162·6	22·4	9	5	−3·6	12·3	10·2	+2·3	0	6	0	0	0	0	0	0	0	0	0
Nidadavole	32·7	..	34·9	6	23·5	..	22·0	31	12·3	24·8	..	16·5	21	2	..	2·9	5·3	..	0	4	0	0	0	0	0	0	0	0	0
Rentchinalala	36·2	+3·1	39·0	6,7	22·6	−0·6	20·6	10	0	25·0	−101·7	25·0	12	1	−6·6	3·0	4·2	−2·6	0	1	0	0	0	0	0	0	0	0	0
Gannavaram	33·4	+1·9	35·4	6	23·8	−0·4	22·0	27	11.6	11·6	−132·4	11·2	17	1	−6·8	13·1	8·8	−0·2	0	2	0	0	2	1	0	0	0	0	0
Nagarjunkonda (†)																													
Masulipatam	32·5	+1·1	35·6	8	24·2	−0·2	22.1	18	45·4	46·4	−172·0	35·6	18	2	−6·5	4·5	3·0	−2·8	0	3	0	0	4	0	0	0	0	0	0
Ongole	34·3	..	39·5	7	25·0	..	23·3	16	0	19·7	..	16·1	16	2	..	7·0	3·0	..	0	2	0	0	0	0	0	0	0	0	0
Nellore	33·4	+0·8	37·8	7	24·4	0	22·4	27	11·1	115·2	−127·6	40·0	17	8	−0·9	8·7	6·0	+1·3	0	8	0	0	0	0	0	0	0	0	0
Telangana																													
Ramagundam	34·0	+1·4	37·6	9	..	..	..	..	0	0	−81 5	0	..	0	−4·5	6·8	3·5	−0·9	0	0	0	0	0	0	0	0	0	0	0
Nizamabad	34·5	+2·7	36·8	9	20·1	+0·1	17·7	29	0	0	−50·8	0	..	0	−3·0	5·7	4·0	+0·3	0	0	0	0	0	0	0	0	0	0	0
Hanamkonda	34·2	+2·3	36·1	10	21·4	−0·2	18·8	25	0	2·0	−64·3	2·0	11	0	−4·1	7·5	5·5	+0·7	0	1	0	0	1	8	0	0	0	0	0
Hakimpet Aerodrome	32·7	..	35·1	8	21·0	..	19·4	17,30, 31	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Bhadrachalam	35·5	+3·5	38·0	8	23·0	0	20·0	28	0	0	−110·1	0	..	0	−7·4	4·1	3·6	−0·8	0	0	0	0	0	0	0	0	0	0	0
Hyderabad (Begampet)	33·2	+2·6	35·4	10	18·7	−0·6	16.0	26	0	0	−62·2	0	..	0	−4·3	10·2	5·8	−2·4	0	0	0	0	0	0	0	0	0	0	0
Khammam	35·1	..	38·5	8	22·8	..	19·8	28	0	18·2	..	15·4	11	2	..	4·2	2·8	..	0	2	0	0	0	0	0	0	0	0	0
Mahbubnagar	33·6	..	35·8	8	20·4	..	17·4	26,29	0	0	..	0	..	0	..	10·6	7·2	..	0	0	0	0	0	0	0	0	0	0	0
Rayala Seema																													
Kurnool	34·8	+2·2	37·6	9	21·3	−0·8	17·7	27	0	0	−81·3	0	..	0	−4·9	6·5	4·5	−0·5	0	0	0	0	0	0	0	0	0	0	0
Anantapur	34·3	+2·7	36·5	9	22·5	0	19·8	27	0	0	−103·3	0	..	0	−5·5	9·9	8·7	+1·1	0	0	0	0	0	0	0	0	0	0	0
Cuddapah	35·0	+1·7	37·8	10	23·6	0	21·5	28	20·4	20·4	−103·0	12·6	16	2	−4·8	6·9	5·0	−1·0	0	3	0	0	0	0	0	0	0	0	0
Arogyavaram	31·1	..	33·9	11	18·3	..	15·6	27	0	14·0	..	10·0	16	1	..	7·6	5·2	..	0	3	0	0	0	0	0	0	0	0	0

(g) Mean of 24 days

(n) Mean of 17 days.

(m) Mean of 23 days

(o) Mean of 16 days

(e) Mean of 26 days.

† Date not available.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		W ind speed. km per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28
Madras State (*including pondicherry*)																												
Madras	32·0	..	35·5	1,7	24·1	..	21·4	24, 27	54·4	80·8	..	19·6	24	7	..	8·0	4·8	..	0	12	0	0	1	0	0	0	0	0
Madras (Minambakkam)	32·8	+0·5	37·1	1	24·2	+0·3	21·5	24, 27	69.7	119·1	−186·7	54.0	24	6	−4·7	10·6	7·0	−3·8	1	9	0	0	5	0	0	0	0	0
Vellore	33·2	+1·6	36·3	8	22·1	−0·6	18·4	27	39.2	53·8	−118.9	32·1	16	4	−5·2	8·5	6·3	+3·1	1	6	0	0	5	0	0	0	0	0
Tambaram Aerodrome	32·9	..	36·3	2,8	23·7	..	20·6	27	53.4	90·0	..	14·5	13	7	..	..	..	..	0	11	0	0	5	0	0	0	0	0
Tiruppattur	32·9	..	36·4	22	21·8	..	16·0	27	50·4	50.4	..	50·4	19	1	..	5·1	3·1	..	0	1	0	0	0	0	0	0	0	0
Mettur Dam R.S.	34·1	..	36·9	8	23·1	..	20·4	25	0	101.0	..	37·2	24	7	..	..	..	..	0	7	0	0	0	0	0	0	0	0
Cuddalore	32·3	+0·9	37·5	1	23·8	−0·2	21·0	28	23·8	116·0	−176·9	52·4	19	4	−6·8	9·1	6·6	+1·6	0	6	0	0	1	0	0	0	0	0
Kallakkurichchi	33·8	..	37·3	8	23·2	..	20·3	28	19·2	62·8	−133·5	19·2	16	5	−4·0	7·0	5·0	..	0	5	0	0	3	0	0	0	0	0
Salem	33·4	+1·3	35·7	8	23·3	+1·1	20·0	28	26·0	83.4	−80.2	28.1	16	4	−5·7	6 2	6·0	+2·1	1	8	0	0	8	0	0	0	0	0
Coimbatore (Pilamedu)	32·3	..	35·5	10	22·1	..	19·5	28	0	58·8	..	34·9	18	3	..	12·6	12·0	..	0	5	0	0	4	4	0	0	0	0
Coimbatore	32·6	+1.7	35·4	10	22·1	+0·6	20·0	18,28	..	90·2	−62·1	53.2	18	6	−3·7	..	6·0	+1·7	0	9	0	0	0	0	0	0	0	0
Nagappattinam	31·6	+0·1	37·6	9	25·3	+0·6	23·5	28	61·8	113·8	−154.9	23·0	25	8	−2·2	10·0	8·6	+1·7	1	11	0	0	5	0	0	0	0	0
Tiruchchirapalli	32·4	0	35·4	8	23·5	+0·2	21·6	26	33·7	212.0	+28·9	45·1	19	12	+2·5	9·1	8·3	−0 9	1	12	0	0	13	0	0	0	0	0
Vedaranniyam	32·9	..	35·6	3,29	23·8	..	21·3	9	61·5	156·5	..	71·1	16	8	..	5.1	2·7	..	0	9	0	0	0	0	0	0	0	0
Atirampattinam	31·6	..	33·2	21	17·9	..	15·0	21	25·8	172·0	..	78·0	19	10	..	7·9	6·1	..	0	10	0	0	0	0	0	0	0	0
Madurai	32·7	+0·4	35·2	4	23·9	+0·2	22·0	28	..	206.4	−17·9	57.2	19	9	−1·2	..	4·0	−0·3	0	13	0	0	0	0	0	0	0	0
Madurai Aerodrome	32·1	..	34·5	8	23·3	..	21 3	28	47·1	187·8	..	72·0	19	10	..	8·7	6·8	..	0	12	0	0	8	0	0	0	0	0
Pondi	31.0	..	34·6	6	24·6	..	22·4	19	57·8	172·8	..	41·2	15	7	..	13·0	12·0	..	0	12	0	0	9	0	0	0	0	0
Pamban	31·0	−0·1	32·5	10	25·1	−0·3	22·3	2	67.4	206·0	−10.7	40·0	18	9	−0·4	11·4	10·9	−0·7	0	10	0	0	1	0	0	0	0	0
Tutlooorin	30·7	−1·2	32·1	23	24·1	−1.0	21·3	15	19·8	195·4	+72·0	52·3	24	9	+1·5	15·3	11·4	−0·9	0	9	0	0	0	0	0	0	0	0
Palayankottai	34·3	+0·4	38·2	8	24·5	−0·6	22·8	19	102·4	293·4	+126·6	101 0	24	8	−0·4	9.5	7·1	−1·4	1	11	0	0	4	0	0	0	0	0
Kanniyakumari	30·7	..	32·6	2,11	24·5	..	22.6	15	17·5	162·6	..	69·1	15	7	..	17·4	13·0	..	0	9	0	0	0	0	0	0	0	0
Coastal Mysore																												
Karwar	29·7	0	33.6	19	23·7	+0·1	22·1	15	0	0	147·3	0	..	0	−7·3	7·0	4·4	..	0	0	0	0	0	0	0	0	0	0
Honavar	32·2	+1·1	35·3	18	24·0	+0·9	23·0	16	·0	0	−124·2	0	..	0	−6·6	..	..	..	0	0	0	0	0	0	0	0	0	0
Mangalore (Bajpe)	32·0	..	34·2	14	23·8	..	22·7	1,21,26	2·6	41·6	..	14·8	12	4	..	8·6	5·5	..	0	5	0	0	8	0	0	0	0	0
Mangalore	31·2	+1·3	32·9	14	..	..	..	..	0	31·6	−175·4	19·2	24	3	−7·4	9·8	7·5	+0·9	0	3	0	0	0	0	0	0	0	0
Interior Mysore, North																												
Bidar	32·4	+2·6	35.2	9	21·3	+0·4	19·8	29	0	0	−59·4	0	..	0	−3.6	12.1	8.8	−0·1	0	0	0	0	0	0	0	0	0	0
Gulbarga	34·9	+2·4	38·2	9	20 5	−0·1	19·0	25,27	0	0	−68·3	0	..	0	−4·0	13·1	9·1	+0·1	0	0	0	0	0	0	0	0	0	0
Bijapur	34·9	+3·4	37·3	10	21·7	+1·3	18·6	27	0	0	−73 4	0	..	0	−4·1	3·5	4·6	−0·7	0	0	0	0	0	0	0	0	0	0
Raichur	35·5	+3·3	37·6	10	23.0	+0·7	20 4	25	0	0	−77·5	0	..	0	−4·3	11·5	9·8	+0·6	0	0	0	0	0	0	0	0	0	0
Belgaum	32·9	+2·6	35·0	28	19·0	−0·7	17·1	29	6·0	71.8	−47·3	41·8	2	3	−4·5	7·6	4·3	−3·5	0	4	0	0	2	0	0	0	0	0
Belgaum (Samra)	32·2	..	33·4	9	19·3	..	16·5	29	4·1	6·6	..	4·4	11	1	..	9·4	6·3	..	0	2	0	0	2	1	0	0	0	0
Gadag	33·8	+3·4	35.6	8,9,10	21·1	+0·5	19·1	4	0	0	−96·8	0	..	0	−7·3	8·2	6·3	−1·9	0	0	0	0	0	3	0	0	0	0
Interior Mysore, South																												
Bellary	35·0	+2·9	38·0	9	22·5	+0·7	21·0	30	0	0	−105 7	0	..	0	−5·9	7·5	4·4	−0·6	0	0	0	0	0	0	0	0	0	0
Chitradurga	32·5	+2·9	35 0	10	21·3	+1·2	19·4	29	0	0	−120·9	0	..	0	−6·4	7·4	5·3	−0·7	0	0	0	0	0	0	0	0	0	0
Shimoga	32·5	+3.3	33·9	11	20·6	+0·5	19·0	18	0	28.8	−139·8	27.2	2	1	−8·2	4 0	1·7	−2·3	0	3	0	0	2	8	0	0	0	0
Agumbe	28·9	..	30·4	14	19·1	..	16·6	9	..	0	..	0	..	0	..	..	3·3	..	0	0	0	0	0	0	0	0	0	0
Balehonnur	29·9	+3·8	31·7	10	18·7	+0·7	16·0	28	..	0	−198·9	..	..	0	−11.4	..	..	..	0	0	0	0	0	4	0	0	0	0
Hassan	31.0	+3·1	33 3	10	18·6	+0·4	15·5	27	0	15·2	−139·0	12·6	24	1	−8·1	6·6	5·1	−0·2	1	2	0	0	2	0	0	0	0	0
Bangalore	30·2	+2·6	31·7	9	19·7	+1·4	16·5	27	1·8	3·2	−145·9	1·8	16	0	−8·5	8·7	7·0	+0·4	0	3	0	0	0	0	0	0	0	0
Bangalore Aerodrome	30·4	..	32·5	9, 10	18·9	..	17·2	28	4.1	5.1	..	4.1	17	1	..	..	..	..	0	2	0	0	0	0	0	0	0	0
Mysore	30·6	+1·6	32·0	9,10,14	20·7	+1·3	19·1	31	0	17.0	−132.3	17·0	24	1	−7·6	8·8	6·4	−1·0	0	1	0	0	0	0	0	0	0	0
Kerala																												
Calicut	31·6	+1·4	33·5	15	24·9	+1·1	23·2	18	51·4	154·1	−106·8	50·7	24	2	−9·2	10.8	8·8	+1·7	0	6	0	0	2	0	0	0	0	0
Palghat	32·7	..	36·2	11,13	23·6	..	21·2	19	0	187·6	..	70·0	17	6	..	8·1	6·5	..	0	9	0	0	4	0	0	0	0	0
Fort Cochin	30·7	+1.6	32·4	13	24·2	+0·1	23·0	6	17·3	119.0	−220.6	52·6	19	7	−7·2	6·5	7·8	+1·8	0	10	0	0	7	0	0	0	0	0
Cochin (Naval Air Station)	31·2	..	33·1	14	24·4	..	22·6	19	13·9	66.7	..	31·9	19	5	..	11·4	9·4	..	0	9	0	0	16	0	0	0	0	0

TABLE II—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER—OCTOBER, 1965 (ASVINA 9—KARTIKA 9, 1887 SAKA)

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed, km per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2 mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Kerala—(Contd.)																														
Alleppey	31·1	+1·2	32·3	10	24·5	+0·5	23·4	23	24·8	87·3	−262·6	21·6	5	11	−4·5	13·8	9·7	0	0	13	0	0	5	0	0	0	0	0	0
Punalur (R)																														
Trivandrum	30·7	+0·7	33·4	15	23·7	+0·3	22·4	23	146·7	357·5	+85·0	82·2	24	13	+0·8	8·3	6·7	+0·7	0	17	0	0	18	2	0	0	0	0	0
Trivandrum Aerodrome	30·4	..	32·7	11	24·0	..	22·7	31	..	278·8	..	102·0	24	9	..	..	5·0	..	0	17	0	0	12	0		0	0	0	0
Arabian Sea Islands																														
Amini	31·8	+1·6	33·1	10	25·3	+0·3	22·5	16	2·9	48·2	−97·6	17·1	16	4	−4·6	7·7	7·3	−2·7	1	9	0	0	5	0	0	0	0	0	0
Agatti (R) Androth*	31·6	..	32·6	11,12	25·5	—	23·7	2	23·1	41·1	—	10·6	16	6	..	3·7	2·8	—	1	9	0	0	0	0		0	0	0	0
Minicoy	30·9	+1·3	32·6	19	24·4	0	22·4	30	20·2	204·3	+19·4	142·6	23	9	−1·6	8·0	5·9	−4·7	0	13	0	0	2	0		0	0	0	0
Hill Stations excluding Kashmir																														
Dalhousie	23.2	+1.6	27.0	1,3,6	10.3	−1·4	6·0	7	22.0	79.0	+8.1	31.0	7	4	+1·6	1.3	2.4	−0.7	0	4	0	3	4	0	0	0	0	0	0
Dharmsala	25.1	+0.9	29.9	1	16.0	0	12.8	20	20.8	48.4	−69.1	36.8	20	3	−0.5	4·6	4·6	+0.4	0	4	0	0	4	0	0	0	0	0	0
Simla	18.2	+0·3	22.4	2,3,5	..	..	..	..	12.4	68.6	+38.6	55.1	7	2	+0.1	1.1	1.1	−0.8	0	7	0	0	2	0	0	0	0	0	0
Dharmpur	..	..	..	..	..	..	..	..	..	22.6	−3.8	12.4	7	3	+1.7	..	..	..	0	3	..	..	..	..	..	..	..	..	..
Lokpal	39.6	..	47·6	1	28.6	..	23.0	31	..	58.4	..	15.2	8	6	..	..	..	..	0	7	0	0	0	0	0	0	0	0	0
Badrinath (R)																														
Joshimath	21.4	..	24.0	1,2	9.7	..	7.4	20	10·8	12·2	..	4·8	13	1	..	5·2	6·0	..	0	9	0	0	0	0	0	0	0	0	0
Mussoorie	19.0	+1.2	24.9	6	..	..	..	..	1.0	18.0	−11.0	17.0	7	1	−1·3	8·7	6·2	−0.7	0	2	0	0	3	0	0	0	0	0	0
Mukteswar (Kumaun)	19.4	+1.1	23.1	1	8.7	−1·1	3.7	7	14.0	20.4	−27.3	13.6	19	3	+0·7	11·0	11·0	+3.4	0	3	0	0	8	3	0	0	0	0	0
Nainital	18·6	+0.1	22.0	2,4,5	9.7	−0.1	7.7	7,21	30.0	36·5	−268·7	23·5	19	3	−2·5	8·7	6.5	−0.8	0	5	0	0	0	0	0	0	0	0	0
Kalimpong	23.7	+1.5	25.9	21	18.0	+2·3	15.4	31	2.4	7.0	−120.3	2.6	19	1	−3.8	(b) 10·3	8.8	−1.5	0	4	0	0	0	0	0	0	0	0	0
Darjeeling	19.0	+1.2	22.3	4	10.8	−0.3	8.2	30	13.0	34.8	−102.6	9.8	31	5	+0.2	2.0	1.6	−0·3	0	6	0	0	0	5	0	0	0	0	0
Kohima	21.4	..	24.1	4	17.3	..	14.2	22	52.8	126.8	..	18.4	22	12	..	..	4·0	..	0	14	0	0	0	0	0	0	0	0	0
Shillong	23.2	+1.5	25.4	6	11.5	−1.2	7.6	30	50.0	119.8	−50.9	36.2	21	9	−1.0	1.1	8.0	−1.1	0	11	0	0	0	0	0	0	0	0	0
Cherrapunji (R)																														
Abu	27.5	+1.3	31.0	12	16.9	−1.1	12.2	31	0	0	−19.3	0	..	0	−0.9	6.6	4·7	−0.8	0	0	0	0	0	0	0	0	0	0	0
Aijal	24.7	..	27.1	2	17.0	..	15.1	23.28	103·7	225.1	..	60·6	22	10	..	8.2	7.8	..	0	13	0	0	0	0	0	0	0	0	0
Pachmarhi	28.2	+1.9	30.5	7	13.5	−1.4	10.4	30	7.2	7.2	−51.2	4.8	20	1	−2.0	5.2	2.9	−0.8	0	2	0	0	3	0	0	0	0	0	0
Mahabaleshwar	27.7	+4.3	29.4	20	16.6	+0·3	14.5	17	0	20·6	−140.7	12·0	12	3	−4.9	10.8	11.7	−0.5	1	3	0	0	2	6	0	0	0	0	0
Mercara	26.5	+2.4	28.8	9	16.8	−0.1	15·5	30	21.6	64.6	−146.0	32.0	24	4	−8.9	9.5	7.5	+2.0	0	7	0	0	2	0	0	0	0	0	0
Ootacamand	19·1	+1·0	22·3	11	10·2	−0.1	7.2	28,29	29.0	72.2	−130.5	26.4	1	5	−8.8	2.3	1·6	−2.9	0	7	0	0	0	0	0	0	0	0	0
Coonoor (R)																														
Kodaikanal	17.7	+1.0	19.7	4	10.4	−0.3	8.6	28	53.1	118.7	−141.4	44.6	24	8	−7.3	12.0	12.5	+1.6	2	12	0	0	6	2	0	0	0	0	0
Nepal																														
Katmandu	25·8	..	28.1	1	12.4	..	9.6	8,15	34.6	62.2	..	25.0	20	3	..	1.1	0.4	..	2	5	0	0	8	19	0	1	0	0	0
Sikkim																														
Lachen	(f) 15.2	..	..		(e) 5.7	..	..	..	..	71.7	..	14.1	11	9	..	..	..	..	0	12	0	0	0	0	0	0	0	0	0
HYDROMETEOROLOGICAL OBSERVATORIES: Damodar Catchment :																														
Tilaiya	30.5	..	33.8	8	20.0	..	17.1	31	18.1	27.0	..	14.3	21	3	..	3.6	2.1	..	0	5	0	0	0	0	0	0	0	0	0
Hazaribagh	28.5	..	31.4	8	17.5	..	15.0	25	47.6	65.2	..	17.8	22	5	..	3.6	1.9	..	0	6	0	0	2	0	1	0	0	0	0
Konar	35·2	..	36.1	5,8	20.4	..	18.9	30	15.2	64.8	..	44.3	21	3	..	7.06	5.6	..	0	3	0	0	0	0	0	0	0	0	0
Bokaro	32.1	..	34.9	9	16.7	..	13.9	26	14.3	20.3	..	7.2	10	3	..	3.5	2.6	..	1	5	0	0	0	0	0	0	0	0	0
Maithon	32.2	..	34.7	6	20.0	..	18.0	30	0.3	28·0	..	27.7	20	1	..	..	..	..	2	1	0	0	1	0	0	0	0	0	0
Ramgarh	31.8	..	35.4	9	17·0		15·5	28	9.1	19·2	..	9·8	19	2	..	2.2	1 5	..	1	3	0	0	0	0	0	0	0	0	0
Panchet Hills	31·1	..	33.7	6	22.0	..	19.9	27	78·9	118.5	..	53.5	18	4	..	2.6	1.3	..	0	4	0	1	3	10	0	0	0	0	0
Durgapur	30.8	..	34.0	3	21.9	..	20.0	10	22.4	61.2	..	21.0	10	4	..	6.2	4.5	..	0	4	0	0	0	0	0	0	0	0	0
Mahanadi Catchment :																														
Ginabahar	31.4	..	34.1	6	16.7	..	14.1	25	..	5.8	..	2·6	20	1	..	..	..	..	0	4	0	2	5	0	0	0	0	0	0
Hirakud	32.9	..	35.5	8	22·4	..	20·1	31	3.0	3.3	..	2.2	18	0	..	3.1	1.7		0	3	0	0	3	0	0	0	0	0	0
Bhimkund	30.7	..	34·4	9	20.3	..	17.1	12	23.0	35.3	..	15.2	17	4	..	2.9	1.3		0	8	0	0	7	2	0	0	0	0	0
Sonepur	32.5	..	35.6	9	23.1		19.6	26	..	0	..	0	..	0	..	..	4.0		0	0	..	..	..	..	..	..	..	..	..
Khijrawan	32.7	..	36.1	9	19.1	..	15.6	28	..	0	..	0	..	0	..	7.6	4.7	..	0	0	0	0	0	0	0	0	0	0	0

(R) Register not received. (b) Mean of 29 days. (d) Mean of 26 days. (f) Mean of 25 days.

TABLE II—SUMMERY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER—OCTOBER, 1965 (ASVINA 9—KARTIKA 9, 1887 SAKA)

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rain days (2.5 mm. or more)		Wind speed, km. per hour			Whether phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Fire spell
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
HYDROMETEOROLOGICAL OBSERVATORIES—(*Contd.*)																													
Narmada Catchment:																													
Bagra Tawa	34.7	..	37.6	6	18.8	..	15.9	30	0	0	..	0	..	0	..	3.1	2.1	..	0	0	0	0	0	0	0	0	0	0	0
Punasa*																													
Thikri	37.9	..	40.8	7	20.7	..	17.3	17	..	0.5	..	0.5	17	0	..	..	..	..	0	1	0	0	0	0	0	0	0	0	0
Sabarmati Catchment																													
Daroi	37.0	..	39.4	14	20.1		15·8	29	0	0		0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Gandak Catchment																													
Jomosom	18·8	..	21·7	2	5·2	..	2.1	21	4.0	13.0	..	5.0	18	3	..	..	..	..	0	3	..	..	..	..	..	..	..	..	..
Khudi Bazar	25·7	..	28·1	5	15.3	..	12.7	21	22.0	50.6	..	10.2	6	6	..	..	..	..	0	7	..	..	..	..	..	..	..	..	..
Timure	23.2	..	25·3	1,2	..	..	..	..	20.2	37.5	..	22.1	20	3	..	..	..	..	0	5	..	..	..	..	..	..	..	..	..
Pokhara	25·8	..	28.2	1,5	16·2	..	12·7	11	52.5	130·5	..	30·2	6	9	..	..	..	..	0	12	0	0	5	0	0	0	0	0	0
Gorkha	24.6	..	27·1	5	17·0	..	14·5	20	61·9	78·2 (p)	..	26·6	20	3	..	4.2	3.9	..	1	5	0	0	3	8	0	0	0	0	0
Nuwakot*																													
Ghaghara Catchment: (Trans Himalayan Region)																													
Dailakh	22·3	..	24·6	9	13·2	..	10.1	19	44·0	104·0	..	50·0	21	3	..	..	..	..	0	3	..	..	..	..	..	..	..	..	..
Ghaghara Catchment																													
Dadeldhura	20·7	..	24·2	4	11·1	..	8·0	20	7·6	33·3	..	23·3	19	3	..	5.5	4.8	..	0	7	0	0	1	6	0	0	0	0	0
Sallyana (R)																													
Butwal	30·9	..	33.9	6	21.5	..	19.4	8	20·5	38·0	..	18.0	23	4	..	..	..	..	0	4	..	..	..	..	..	..	..	..	..
Baghmati Catchment:																													
Katmandu†																													
Kosi Catchment:																													
Chautara	24·3	..	26·6	2	13·7	..	11·1	11	23·4	52·8	..	12·6	30, 31	7	..	..	..	.	0	10	..	..	..	..	..	..	..	..	..
Walungchung Gola	12.3	..	15·2	1,4	3·6	..	1·3	31	19·6	69·7	..	20·1	20	9	..	..	..	..	1	14	..	..	..	..	..	..	..	..	
Taplethok	25·7	..	28·7	1	13.2	..	10.8	24	0	69·0	..	10·2	22	10	..	..	..	..	0	12	..	..	..	..	..	..	..	..	
Bhojpur	22·3	..	25·0	1	13·9 (a)	..	11.7	23	14·5	53·3	..	28·7	20	4	..	..	..	..	0	5	..	..	..	..	..	..	..	..	
Taplejung	21·2	..	24·0	1	11·3	..	9·0	23	33·7	53·6	..	23·8	23	4	..	5·3	·4	..	2	9	0	0	3	3	0	0	0	0	0
Okhaldhunga	21·2	..	24·0	15	12·3	..	9·7	22	30·5	83·6	..	34·6	20	6	..	2·5	1.9	..	1	11	2	0	2	6	0	0	0	0	0
Chainpur	24.3	..	26.8	2	15.9	..	13·1	22	10·4	32.4	..	12·8	20	4	..	..	..	..	0	7	..	..	..	..	..	..	..	..	..
Angbung	25.3	..	28.2	4	..	..	..	..	8·3	65·0	..	21·0	31	5	..	..	..		0	6	..	..	..	..	..	..	..	..	..
Barahakshetra	30·3	..	32·1	13	19.9	..	16·8	23	11·5	19·0	..	6·6	22	3	..	5·9	4.3	..	1	8	0	0	6	0	0	0	0	0	0
Tista Catchment																													
Gangtok	22·9	..	25·3	1	11.6	..	9·2	24	5·8	39·7	..	10·3	9	6	..	2·5	2·5	..	3	11	0	0	1	5	0	0	0	0	0
Gezing	24·4	..	26.7	1,5	12.4	..	9·9	24	22·1	143·7	..	57·8	22	10	..	..	..	..	0	10	..	..	..	..	..	..	..	..	..

† Data included under 'Nepal'. (a) Mean of 30 days. (R) Register not received. *Observation were not taken.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of standard nearest isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. ph.): 62 or more	Wind speed (Km. ph.): 20 to 61	Wind speed (Km. ph.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bay Islands																											
Maya Bandar.	0830	28	1011·5	1008·4	..	27·2	25·5	24·7	31.1	87	..	5·4	..	9·3	0	0	30	0	7	5	3	2	7	6	0	1	0
	1730	,,	1008·6	1005·5	..	26·4	24·9	24·3	30·4	88	..	5·1	..	8·7	0	2	24	0	2	8	4	0	7	5	0	5	0
Long Island	0830	25	1011·6	1008·3	..	27·4	25.7	24·9	31·5	87	..	6·1	..	1·9	0	0	13	0	0	2	3	2	6	0	0	18	0
	1730	,,	1008·7	1005·9	..	26·3	24·9	24·3	30·4	88	..	5·0	..	1.3	0	0	9	0	0	1	5	0	2	1	0	22	0
Port Blair	0530	79	1010·0	1001.0	..	24·7	24·0	23·7	29·3	94	..	5·5	..	8·7	0	3	24	1	0	2	2	6	1	11	4	4	0
	0830	,,	1011.9	1003.0	+0·9	27.7	25·4	24·3	30·4	83	+2	6·0	+0·8	13·4	0	7	23	1	0	2	8	4	2	7	6	1	0
	1130	,,	1010·2	1001·3	..	28·2	25·5	24·3	30·4	79	..	6·3	..	15·9	0	6	25	4	0	1	10	3	2	5	6	0	0
	1730	,,	1009·1	1000·2	..	26·2	24·6	23·9	29·7	87	..	5·5	..	8·9	0	2	27	2	0	2	8	2	2	9	4	2	0
	2330	,,	1010·5	1001·5	..	25·3	24·4	23·9	29·7	93	..	4·5	..	7·4	0	2	22	0	0	2	7	2	0	11	2	7	0
Car Nicobar	0830	10	1011·8	1010·6	..	28.1	25·5	24·4	30·5	81	..	4·6	.	2·3	0	0	20	0	5	0	3	0	4	3	4	11	0
	1730	,,	1009·0	1007·8	..	27.0	25·1	24·3	30·4	85	..	4·3	..	0·9	0	0	9	0	0	0	2	0	4	1	2	22	1
Nancowry	0830	26	1011·9	1009·0	..	27.6	25·5	24·5	30·7	81	..	(b) 4·7	.	3.2	0	0	16	0	0	0	1	3	8	3	1	13	0
	1730	,,	1009·1	1006·2	..	26·5	24·6	23·7	29·3	85	..	(a) 4·1	..	1·7	0	0	11	0	0	0	0	0	7	3	1	20	0
Kondul	0830	8	..	..	..	27·5	25·3	24·3	30·4	84	..	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	26·2	24·9	24·3	30·4	89	..	5·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Assam (Including NEFA)																											
Pasighat	0830	157	1013.0	995·2	..	24·0	20·5	18·5	21·3	72	..	4·9	..	14·8	0	11	19	1	1	0	1	0	0	0	27	1	0
	1730	,,	1009·2	991·3	..	23·8	22.4	21·7	25·9	88	..	3·9	..	1·7	0	0	10	0	1	0	0	0	0	2	7	21	0
Dibrugarh (Mohanbari)	0230	111	1010·3	997.5	..	21·2	20.5	20·1	23·5	94	..	4·4	..	2·1	0	0	13	0	11	0	0	0	2	0	0	18	0
	0530	,,	1011.4	998.5	..	20·1	19·5	19·1	22·1	94	.	4 2	..	1·4	0	0	9	0	6	0	1	0	0	1	1	22	0
	0830	,,	1012·9	1000·2	—0·2	24·5	21·6	20·1	23·5	77	—7	4·2	0	5·4	0	0	29	3	17	6	1	0	1	0	1	2	0
	1130	,,	1010·7	998·1	..	27·7	22·8	20·1	23·5	65	..	4·0	..	5·5	0	1	29	3	12	6	1	0	4	0	4	1	0
	1430	,,	1008·0	995·5	..	28·9	23·5	20·8	24·6	60	..	4·1	..	4·4	0	0	27	1	10	7	5	0	3	1	0	4	0
	1730	,,	1008·7	996·1	..	25·7	23·1	21·8	26·1	80	..	3.8	..	0·6	0	0	3	0	2	1	0	0	0	0	0	28	0
	2030	,,	1010·8	998.1	..	22.8	21·7	21.1	25.0	90	..	3.5	..	1.8	0	0	11	1		0	0	0	2	1	2	20	0
	2330	,,	1011.1	998.2	..	21.7	20.3	20.8	23.8	92	..	4.0	..	2.0	0	0	11	0	7	1	1	0	1	1	0	20	0
Digboi	0830	152	1012·0	994·7	..	25·8	23.3	22.1	26·6	80	..	4.2	..	4·5	0	0	31	7	8	3	1	2	0	8	2	0	0
	1730	,,	1009·1	991·8	..	26·5	23·5	22·0	26.4	78	..	2·8	..	1.9	0	0	18	4	7	3	0	1	0	3	0	13	0
North Lakhimpur	0830	102	1013.2	1001·6	+0·5	25·5	22·3	20·6	24·3	75	—1·4	3.8	—1·4	2.6	0	0	21	8	6	4	1	1	0	1	0	10	0
	1130	,,	1011·2	999·7	..	28·5	23.5	21.0	24·9	64	..	3·5	..	4·0	0	0	26	2	7	4	5	8	0	0	0	5	0
	1430	,,	1008.7	497.3	..	29.5	23.5	20·7	24·4	61	..	3·6	..	1·5	0	1	16	2	2	5		5	3	0	0	14	0
	1730	,,	1009·3	997·7	..	25·5	23·6	22·7	27·6	85	..	3·6	..	1·6	0	0	6	2	1	1	0	0	0	0	2	25	0
	2030	,,	1011·4	999·7	..	22·9	22·0	21·5	25·6	92	..	3·1	..	0·8	0	0	5	1	0	0	0	0	0	1	3	26	0
Sibsagar	0830	97	1013·5	1002·4	+0.7	24 8	23·0	22·1	26·6	86	—0.9	5·0	—0.9	3·7	0	0	26	11	8	4	0	0	3	0	0	5	0
	730	,,	1008.7	997·9	..	27·3	24·2	22·7	27·6	78	..	4.5	..	2· 0	0	0	13	6	4	0	1	1	0	1	0	18	0
Gohpur	0830	83	1013.0	1003·5	..	24·5	22·8	21·9	26·3	86	..	3·9	..	2·9	0	0	28	0	16	0	6	0	0	0	1	3	5
	1730	,,	1008.6	999.3	..	26.0	22.8	22·8	27·7	83	..	4·2	..	1·5	0	0	15	1	9	0	1	0	0	0	3	16	1
Majbat	0330	..	..	..	..	26.4	22·5	20·5	24·1	71	..	4·4	..	3·0	0	0	26	0	18	0	2	0	2	0	4	5	0
	1730	..	..	..	..	26·5	23·7	22·4	27·1	79	..	4·5	..	0·9	0	0	10	0	6	0	2	0	2	0	0	21	0
Jorhat (Aerodrume)	0530	90	1010.8	1000.5	..	21·5	21·4	21·3	25·3	99	.	5 7	..	0·2	0	0	3	0	3	0	0	0	0	0	0	28	0
	0830	,,	1012·5	1002.3	..	25.4	23·3	22·3	26·9	83	..	5·4	..	0·7	0	0	14	1	8	2	0	0	2	0	1	17	0
	1130	,,	1010·4	1000·4	..	28·6	24·2	22·1	26.6	63	..	5·0	..	1·0	0	0	24	2	14	3	0	0	3	1	1	7	0
	1730	,,	1008·3	998·1	..	25·5	23·5	22·5	27·3	83	..	4·2	..	0.1	0	0	2	0	1	0	1	0	0	0	0	29	0
	2330	,,	1010.7	1000.4	..	22.4	22·0	21·9	26·3	96	..	3·8	..	0·1	0	0	2	0	2	0	0	0	0	0	0	29	0
Tangla	0830	78	1011.8	1002.8	..	26.1	24·6	23·9	29.7	88	..	3·0	..	1·4	0	0	22	0	2	0	20	0	0	0	0	9	0
	1730	,,	1007·5	998·7	..	27·9	27 0	26·7	35·0	92	—0.4	2·8	..	0·3	0	0	5	0	0	0	4	0	1	0	0	26	0
Tezpur	0830	79	1013·4	1004·5	+0.3	24·0	22·0	21·0	24·9	34	..	3·3	—0·4	2·6	0	0	24	2	18	2	0	0	2	0	0	7	0
	1730	,,	1008·8	999·9	..	26·8	23.0	21.9	26.3	75	..	3·5	..	1·0	..	..	14	3	11	0	0	0	0	0	0	17	..
Golaghat	0830	95	1011·5	1000.7	..	25·1	23·0	21·9	26·7	83	..	3·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1007.9	997·3	..	28·9	24·3	22·1	26·6	67	..	(i) 3·8	..	..	0	0	..	..	..	..	..	..	..	..	..	.	0
Rangia	0830	60	1012.7	1006·0	..	26.6	23·5	22·0	26·4	76	..	3·8	..	6·8	0	0	31	0	7	20	3	1	0	0	0	0	0
	1730	,,	1009.6	1002·0	..	27·6	24·7	2 33	28·6	78	..	(b) 2.9	..	(b) 1·9	0	0	11	2	1	5	2	0	1	0	0	18	0
Chaparmukh	0830	66	1013·8	1006·3	..	26·0	23·7	22·6	27·4	31	..	(b) 3·9	..	(b) 5·9	0	0	28	0	4	9	10	0	0	0	1	1	0
	1730	,,	1009·0	1001.6	..	27 2	24·5	23·3	28·6	79	..	(c) 3.3	..	(c) 4·0	0	0	22	2	4	5	4	1	2	0	4	6	0
Goalpara	0830	38	1013·0	1008·7	..	24·9	22·7	21·3	25·8	82	..	2·5	..	1·7	0	0	26	3	19	1	1	0	2	4	0	6	0
	1730	,	1010.1	1005.7	..	29·0	24·4	22·2	26·7	68	..	2.4	..	1·3	0	0	20	9	8	1	3	0	1	4	3	11	..
Gauhati (Bhorjor)	0230	54	1010·0	1003·7	..	22·2	21·7	21 5	25·6	95	..	2·7	..	2·0	0	1	11	1	3	0	1	3	2	1	0	23	0
	0530	,,	1010·8	1004·5	..	21·7	21·2	21·0	24·9	95	..	4·4	..	1·2	0	0	8	0	8	0	0	0	0	0	1	23	0

(a) Mean of 30 days. (i) Mean of 22 days. (b) Mean of 29 days. (c) Mean of 28 day

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g. p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed per hour in Km.	Wind speed (Km. p.h.): 62 or more	20 to 61	1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
North Assam (including NEFA—(*Contd.*)																											
Gauhati (Bhorjor) (*Contd.*)	0830	54	1012·5	1006·4	+0·2	25·9	23·5	22·3	26·9	81	+3	4·0	—0.2	3·7	0	0	22	5	12	2	1	1	1	0	0	9	0
	1130	,,	1010·5	1004·4	..	28·9	24·7	22·8	27·7	70	..	4·3	..	5.8	0	0	31	13	14	1	1	0	0	1	0	0	1
	1430	,,	1007·9	1001·8	..	29.7	24·6	22·2	26·7	65	..	4·5	..	5·6	0	0	29	14	8	1	0	0	1	2	3	2	0
	1730	,,	1008·5	1002.4	..	26·5	24·0	22·8	27.9	81	..	4·5	..	2·5	0	0	16	2	1	1	4	1	1	4	2	15	0
	2030	,,	1010·7	1004·5	..	24·0	23·0	22·5	27.3	91	..	3·5	..	2·3	0	1	11	0	1	0	0	6	4	1	0	19	0
	2330	,,	1010·9	1004·6	..	23.0	22·3	21·9	26.3	94	..	3·1	..	1·2	0	0	7	0	4	0	0	2	1	0	0	24	0
Dhubri (Rupsi)	0530	45	1010·5	1005·2	..	21·4	20·8	20·5	24·1	94	..	3·2	..	4·7	0	0	24	1	20	3	0	0	0	0	0	7	0
	0830	,,	1012·3	1007 1	..	26·1	23·5	22·2	26·7	80	..	2·7	..	4·8	0	0	28	0	11	14	1	0	2	0	0	3	0
	1130	,,	1010·7	1005·7	..	29·0	24·7	22·7	27·6	69	..	3·8	..	5·2	0	0	29	2	7	13	1	1	4	0	1	2	0
	1730	,,	1008·2	1003·1	..	27.6	25·2	24·1	30·0	82	..	3·3	..	1·2	0	0	10	0	5	1	0	0	1	2	1	21	0
Dhubri . . .	0830	35	1012·9	1008·9	+0·6	25·9	23·8	22·9	27·9	82	0	2·2	—0·8	8·1	0	0	28	1	18	8	1	0	0	0	0	3	0
	1730	,,	1009.2	1005·2	..	26·9	24.2	22.9	27·9	79	..	2·8	..	0·3	0	0	5	0	4	0	0	0	0	0	1	26	0
Lumding . .	0830	149	1012·7	995·6	..	23·1	22·1	21·4	25·5	91	+4	4·5	..	1·0	0	0	13	0	1	9	1	1	0	0	1	18	0
	1730	,,	1008.9	992·6	..	27·3	24·5	23·2	28·4	79	..	4·1	..	0·8	0	0	9	1	0	3	1	0	0	3	1	22	0
South Assam (including Nagaland Manipur and Tripura)																											
Tura . . .	0830	370	1012·8	971·0	..	23·2	20·6	19·1	22·1	79	..	3·4	..	2·3	0	0	22	1	2	10	6	0	1	1	1	9	0
	1730	,,	1008·9	967·7	..	26·5	23·2	21·5	25·6	76	..	4·5	..	2·6	0	0	23	2	6	4	4	2	0	2	3	8	0
Haflong . . .	0830	682	1011·8	936·1	..	22·1	20·4	19·5	22·7	85	..	5·8	..	2·3	0	0	26	1	1	0	0	0	12	0	12	5	0
	1730	,,	1007 4	932·4	..	23·6	21·3	20·1	23·5	80	..	4·0	..	1·5	0	0	18	0	1	0	0	0	8	0	9	13	0
Silchar (Kumbhirgram)	0530	97	1009 4	998·3	..	22.1	21·4	21·1	25·0	93	..	4·6	..	6·3	0	0	27	0	2	25	0	0	0	0	0	4	0
	0830	,,	1010·8	999·9	..	25·7	23·0	21·7	25·9	79	..	3·8	..	6 8	0	0	29	1	0	24	3	0	1	0	0	2	0
	1130	,,	1008·7	997·9	..	29·1	24·2	21·9	26·3	66	..	4·0	..	5·7	0	0	28	0	1	8	2	4	7	3	3	3	0
	1730	,,	1006·8	995·9	..	27·3	24·6	23·2	28·4	79	..	3·8	..	2·5	0	0	15	0	2	4	1	0	2	6	0	16	0
Silchar . . .	0830	29	1012·5	1009·2	+0·1	26·2	24·1	23·1	28·3	83	+1	4·7	+0·7	0.3	0	0	4	1	1	0	1	1	0	0	0	27	0
	1730	,,	1008·3	1005·0	..	28·1	25·4	24·3	20·4	79	..	3·9	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
Imphal (Tulihal) .	0530	781	1012·8	925·6	..	18·5	18·1	17·9	20·5	96	..	6·6	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	0830	,,	1013·4	927·1	+0.2	21·7	19·8	18·8	21·7	84	+4	6·1	+0·8	0.6	0	0	3	0	1	1	0	1	0	0	0	28	0
	1130	,,	1010·3	925·2	.	25·2	20 9	18·7	21·6	68	..	5·5	..	4·1	0	0	16	0	1	1	3	5	4	1	1	15	0
	1430	,,	1007·3	922·7	..	26·3	21·2	18·6	21·4	63	..	5·2	..	6·3	0	0	21	1	0	0	3	9	3	1	4	10	0
	1730	,,	1009·1	923·5	..	22·8	20·5	19·4	22·6	81	..	5·6	..	5·0	0	0	20	1	1	0	3	6	5	0	4	11	0
	2030	,,	1012·0	925·5	..	20·8	19·7	19·1	22·1	90	..	4·7	..	1·6	0	0	6	1	1	0	0	3	0	0	1	25	0
	2330	,,	1012·3	925·5	..	19·6	19·0	18·7	21·6	94	..	5·3	..	0·4	0	0	2	1	1	0	0	0	0	0	0	29	0
Kailashahar . .	0530	29	1010·9	1007·6	..	22·6	22·1	21·8	26·1	96	..	4·6	..	1·9	0	0	14	1	0	2	1	4	5	1	0	17	0
	0830	,,	1012·5	1009·2	..	26.7	24·4	23.4	28·8	83	..	4·1	..	3·3	0	0	28	4	1	4	3	5	5	2	4	3	0
	1130	,,	1010·8	1007·5	..	29·7	25·2	23·1	28·3	68	..	5·3	..	5·5	0	0	31	3	5	6	4	2	3	2	4	0	2
	1730	,,	1008·9	1005·6	..	27·5	25·1	24·0	29·8	81	..	4·3	..	2·1	0	0	18	2	3	3	1	1	2	3	3	13	0
Agartala . .	0230	16	1008·6	1006·8	..	24·6	23·6	23·1	28·3	92	..	3·2	..	0·6	0	0	3	0	1	0	0	2	0	0	0	28	0
	0530	,,	1009·0	1007·2	..	23·7	23·0	22·7	27·6	94	..	5·0	..	0·3	0	0	1	1	0	0	0	0	0	0	0	30	0
	0830	,,	1011·1	1009·3	+0·1	27·6	24·8	23·5	28·9	80	—1	4·4	—0·2	4·0	0	0	16	5	5	1	3	1	1	0	0	15	0
	1130	,,	1009·6	1007·8	..	29·8	25·1	22·9	27·9	67	..	5·2	..	6·7	0	0	23	8	3	2	0	1	1	3	5	8	0
	1430	,,	1007·3	1005.5	..	30·5	25·0	22·5	27·3	66	..	5·1	..	9·2	0	0	30	10	4	1	1	1	2	2	9	1	0
	1730	,,	1007 5	1005·7	..	28·1	24·9	23·5	28·9	78	..	4·4	..	3·2	0	0	17	11	0	0	0	2	0	0	4	14	0
	2030	,,	1009·4	1007.6	..	25·3	24·3	23·8	29·7	92	..	3·4	..	1·2	0	0	4	2	1	0	1	0	0	0	0	27	0
	2330	,,	1009·6	1007·8	..	24·7	23·8	23·3	28·6	92	..	3·2	..	1·4	0	0	5	1	2	1	1	0	0	0	0	26	0
Sub-Himalayan, West Bengal																											
Baghdogra . .	0230	131	1010·4	995·3	..	22·0	20·8	19·9	23·2	88	..	2·1	..	1·5	0	0	7	5	0	1	0	0	0	0	1	24	0
	0530	,,	1011·0	995·8	..	19·6	18·8	18·3	21·0	92	..	2·3	..	1·4	0	0	6	4	1	1	0	0	0	0	0	25	0
	0830	,,	1012·8	997·9	+1·3	26·0	22·2	20·2	23·7	70	—7	3·3	—0·4	3·8	0	0	14	1	4	7	1	0	0	0	1	17	0
	1130	,,	1011·5	996·8	..	29·2	23·6	20·8	24·6	62	..	4·1	..	7·5	0	0	23	0	0	6	5	2	7	2	0	8	1
	1430	,,	1008·9	994·2	..	29·9	23·8	20·8	24·6	59	..	4·1	..	7·5	0	0	23	2	0	4	3	1	11	1	1	8	0
	1730	,,	1008·9	994·1	..	26·4	23·7	22·4	27·1	81	..	3·1	..	2·4	0	0	13	1	0	4	0	2	6	0	0	18	0
	2030	,,	1011·2	996·2	..	24·1	22·1	21·1	25·0	84	..	2·2	..	2.5	0	0	11	5	2	0	0	0	0	2	2	20	0
	2330	,,	1011·4	996·3	..	22·6	21·0	20·1	23·5	87	..	2·3	..	3·7	0	0	18	12	2	1	0	0	1	0	2	13	0
Jalpaiguri . .	0830	83	1012·5	1003·0	+0·4	23·8	21·7	20·5	24·1	82	—1	2·3	0	4·1	0	0	27	14	3	4	0	0	1	1	4	4	0
	1730	,,	1008·4	999·1	..	27·8	23·8	21·9	26·3	71	..	1·7	..	2·1	0	0	18	3	1	3	0	1	7	2	1	13	0
Cooch Behar	0830	43	1012·7	1007·9	..	25·7	22·9	21·5	25·6	78	..	2·6	..	6·4	0	0	28	0	14	12	2	0	0	0	0	3	0
	1130	,,	1011·3	1006·5	..	23.7	24·1	21·9	26·3	67	..	3·3	..	5·9	0	0	27	2	5	13	2	1	2	1	0	4	1
	1730	,,	1008 9	1004·1	..	26·5	24·0	22·9	27·9	81	..	2·6	..	0·5	0	0	3	0	0	0	1	0	0	2	0	28	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Kms p.h.): 62 or more	Wind speed (Kms p.h.): 20 to 61	Wind speed (Kms p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Sub-Himalayan West Bengal—(Contd.)																											
Balurghat	0830	26	1010·9	1008.0	..	27·2	24·0	22·5	27.3	76	..	2·8	..	1·5	0	0	20	11	4	2	0	0	0	0	3	11	0
	1730	,,	1007·7	1004·9	..	27·5	24·7	23·4	28·8	79	..	2·1	..	0·6	0	0	6	2	0	2	0	1	0	0	1	25	0
Malda	0830	31	1012·4	1008·8	+0·7	27·3	23·9	22·3	26·9	75	0	1·9	+0.1	1.3	0	0	16	6	4	3	1	0	2	0	0	15	0
	1730	,,	1008·5	1005·0	..	28·1	23·9	21·9	26·3	70	..	2·6	..	0·6	0	0	6	2	3	1	0	0	0	0	0	25	0
Gangetic West Bengal Berhampore	0830	19	1011·7	1009·5	0	27·1	24·4	23·1	28·3	80	+2	2·0	—0·9	1·1	0	0	12	1	0	6	0	4	1	0	0	19	0
	1730	,,	1008·3	1006·2	..	27·6	24·3	22·7	27·6	75	..	2·8	..	0·6	0	0	3	0	0	1	0	2	0	0	0	28	0
Suri	0830	..	..	.	..	27·2	23·7	22·0	26·4	73	..	2·0	..	2·3	0	0	31	14	0	10	0	5	1	1	0	0	0
Asansol	0230	126	1009·9	996·5	..	22·5	21.4	20 9	24·7	90	..	1 7	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	0530	,,	1010·6	996·1	..	21·8	20·9	20·5	24·1	91	..	2.3	..	0.8	0	0	5	0	0	2	1	0	0	0	2	26	0
	0830	,,	1012·1	997·9	+0.6	27·6	23·6	21·6	25·8	71	—5	1·9	—1·0	2·6	0	0	24	0	6	1	5	1	1	2	8	7	0
	1130	,,	1010·7	996 6	..	30·6	23·8	20·4	24·0	55	..	3·6	..	4·4	0	0	26	5	8	3	3	2	0	1	4	5	0
	1430	,,	1008·3	994·2	..	30·9	23·7	20·0	23·4	53	..	3 6	..	5·1	0	0	28	4	8	4	2	2	0	3	5	3	0
	1730	,,	1008·7	994·5	..	27·8	23·3	21·1	25·0	68	..	3.5	.	1 6	0	0	13	0	2	5	1	2	0	1	2	18	0
	2030	,,	1010·7	996·4	..	24·7	22·4	21·3	25·3	82	..	1 3	..	1·5	0	0	8	0	0	1	3	2	1	0	1	23	0
	2330	,,	1010·8	996·4	..	23·3	21·7	20·9	24·7	86	..	1 8	..	1·2	0	0	9	0	1	1	1	1	1	2	2	22	0
Shanti Niketan	0830	59	1012·2	1005·5	..	26·8	24·0	22·7	27·6	79	..	2·2	..	2·5	0	0	25	7	4	2	0	1	2	3	6	6	0
	1130	,,	1011·3	1004·7	..	29·9	24·8	22·5	27·3	65	..	3·2	..	3 5	0	0	28	9	7	3	3	3	2	1	0	3	0
	1730	,,	1009·2	1002 5	..	27·5	24·6	23·3	28 6	79	..	2·8	..	2·1	0	0	17	1	7	2	2	2	2	1	0	14	0
Krishnanagar	0830	15	1012·0	1010·4	+0·5	28·4	24·6	22·8	27·7	73	0	1·6	—1·3	0 1	0	0	1	0	1	0	0	0	0	0	0	30	0
	1730	,,	1009·3	1007·6	..	28·2	24·6	22·9	27·9	73	..	3·0	..	0 1	0	0	2	0	2	0	0	0	0	0	0	29	0
Purulia	0830	255	1012·6	983·9	+1·3	25.2	22·3	20·8	24·6	77	+3	2·3	—0·9	3.0	0	0	28	9	4	4	3	2	0	2	4	3	0
	1730	,,	1008.9	980·5	..	28·0	22.7	19.9	23·2	62	..	3·3	..	1.1	0	0	13	0	5	3	2	0	0	1	2	18	0
Bunkura	0830	100	1011·7	1000·4	..	26·7	23·5	21·9	26·3	75	..	1.9	..	0·6	0	0	10	0	4	3	0	0	0	1	2	21	0
	1730	,,	1008.2	997·0	..	28·6	24·0	21·8	26.1	67	..	2.0	..	0.5	0	0	5	0	1	3	0	0	0	0	0	26	1
Burdwan	0830	32	1012·0	1008·4	+0·5	26·5	24·4	22·9	27·9	77	0	1·4	—1·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1008·4	1004·8	..	28·9	25·2	23·5	28·9	73	..	2 3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Barrackpore (Aerodrome)	0530	7	1010·2	1009·4	..	23·5	22.8	22·5	27·3	94	..	3·0	..	1·6	0	1	4	2	0	0	0	0	0	1	2	26	0
	0830	,,	1011·9	1011·1	+0·5	27·5	24·3	22·8	27·7	76	—4	2·8	—1.4	4·0	0	0	23	3	6	5	0	0	1	2	6	8	0
	1130	,,	1010·6	1009.9	..	30·1	24·9	22·5	27·3	64	..	4·5	..	6 2	0	0	25	4	9	6	0	0	2	3	1	6	0
	1730	,,	1008·7	1007·9	..	27·5	24·5	23·1	28·3	77	..	4·1	..	2 8	0	0	18	0	3	2	0	1	4	4	4	13	0
	2330	,,	1010·5	1009·7	..	24·5	23·5	23·0	28·1	92	..	2·3	..	0.5	0	0	3	0	0	1	0	1	1	0	0	28	0
Calcutta (Dum Dum)	0230	6	1009·0	1008·3	..	24.5	23·9	23·6	29·1	95	..	2 2	..	0·3	0	0	3	1	2	0	0	0	0	0	0	28	0
	0530	,,	1009·6	1008·9	..	23·9	23·4	23·1	29·3	95	..	3 6	..	0 5	0	0	6	4	0	1	0	0	1	0	0	25	0
	0830	,,	1011·4	1010·7	+0·2	27·8	24·5	22·9	27.9	76	—1	3·0	—0 9	3 3	0	0	25	3	8	5	2	0	1	1	5	6	0
	1130	,,	1010·3	1009·5	..	29·9	25·1	22·9	27·9	67	..	5·2	..	4 6	0	0	29	6	7	9	3	1	0	0	3	2	0
	1430	,,	1007·8	1007·1	..	30·4	25·2	22·8	27·7	66	..	5·2	..	4 8	0	0	29	3	10	8	1	1	0	2	4	2	0
	1730	,,	1008·2	1007·5	..	27·9	24·9	23·5	28·9	78	..	4·5	..	1.2	0	0	9	0	2	3	1	2	0	0	1	22	0
	2030	,,	1010·1	1009·4	..	25·9	24·5	23·9	29·7	89	..	2 6	..	0·8	0	0	9	0	4	1	0	0	1	1	2	22	0
	2330	,,	1010·0	1009·3	..	25·1	24·2	23·7	29·3	93	..	2·7	..	1·3	0	0	10	0	2	2	3	0	1	1	1	21	0
Calcutta	0830	6	1011·6	1010.9	+0.2	28·7	24·5	22·5	27·3	70	—12	2·5	—0 5	3·6	0	0	22	3	7	5	0	1	1	1	4	9	0
	1130	,,	1010·3	1009·6	..	30·2	24·7	22·1	26 6	63	..	4 8	..	5·0	0	0	29	2	2	7	4	5	1	0	8	2	0
	1730	,,	1008·3	1007·7	..	27·8	24·2	22·5	27·3	74	..	3 6	..	4·2	0	1	23	2	5	1	1	5	1	2	7	7	0
Midnapore	0830	45	1011·5	1006·3	+0·1	26·7	24·1	22·9	27·9	81	+6	2·0	—0 6	0·9	0	0	13	6	4	1	0	0	1	1	0	18	0
	1730	,,	1008·2	1003·1	..	28·7	24·9	23·2	28·4	73	..	2·7	..	0·8	0	0	9	2	5	0	0	1	1	0	0	22	0
Contai	0830	11	1011·4	1010·	+1.2	27.6	25·1	23·9	29·7	81	+1	2·5	—1·1	3 3	0	0	26	20	1	0	0	4	0	0	1	5	0
	1730	,,	1008·3	1007·1	..	27·6	24·7	23·8	28·6	79	..	2 7	..	1·8	0	0	12	3	0	1	0	8	0	0	0	19	0
Sagar Island	0830	3	1010 9	1010·3	—0.2	27·8	25·1	23·9	29·7	80	+2	4·1	0	10·8	0	1	29	12	7	1	0	1	2	3	4	1	0
	1730	,,	1007·9	1007·6	..	27·8	24·9	23·5	28·9	78	..	4·3	..	8 8	0	1	30	7	6	2	2	5	5	1	3	0	0
Sandheads	0530	10	1009·3	1008·2	..	27·5	24·9	23·7	29·3	80	..	3.7	..	8 6	0	4	21	5	9	2	1	0	4	3	1	6	0
	0830	,,	1010·9	1009·8	+0.6	29.4	25·6	23·9	29·7	72	0	3·4	-0·1	9.3	0	5	20	4	10	3	2	0	1	3	2	6	0
	1130	,,	1010·1	1009.0	..	31·9	26·4	24·1	30·0	66	.	3.3	.	9 4	0	4	22	8	9	4	2	1	1	0	1	5	0
	1730	,,	1008 6	1007·5	..	27·7	25·0	23·4	28·7	73	..	4·2	..	7 9	0	2	23	9	6	1	3	0	5	1	2	4	0
	2330	,,	1009·8	1008·7	..	28·7	24·9	23·5	28·9	78	..	2 8	.	6 9	0	3	15	3	4	3	4	1	2	1	0	13	0
Orissa Baripada	0830	54	1012·7	1006 5	..	26·1	23·4	22 1	26·6	79	.	2·2	..	3 1	0	0	27	11	11	0	0	0	0	0	3	4	2
	1730	,,	1009·4	1003·3		27·2	24·1	22·7	27.6	77	.	3·4	..	1·2	0	0	12	1	1	1	5	2	4	0	0	19	1
Jharsuguda	0230	230	1009 4	983·2	..	22·7	21·3	20·5	24·1	88	..	1 5	..	1 9	0	0	8	4	3	0	1	0	0	0	0	23	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p. h.): 62 or more	Wind speed (Km. p. h.): 20 to 61	Wind speed (Km. p. h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Orissa—*Contd.*																											
Jharsuguda (*Contd.*)	0530	230	1010.1	983.9	+1.1	21·7	20·6	20·0	23·4	90	..	2·3	..	2·1	0	1	12	6	4	0	1	1	0	0	0	19	0
	0830	,,	1011.8	985.9	..	25·9	22·3	20·4	24·0	72	−5	2·4	−1.5	4·4	0	0	19	9	5	4	0	0	1	0	0	12	0
	1130	,,	1010.4	984.8	..	30.0	23·3	19·8	23·1	55	..	2·8	..	5·9	0	0	23	3	2	3	3	1	2	6	3	8	0
	1430	,,	1007.5	982·1	..	31·3	22·9	18·3	21·0	47	..	3·2	..	7·0	0	0	25	2	5	2	1	0	1	10	4	6	0
	1730	,,	1007.9	982.3	..	28·8	22·7	19·4	22·5	58	..	2·7	..	3·9	0	1	12	2	2	3	1	1	1	3	0	18	0
	2030	,,	1010.0	984.1	..	25·5	22·1	20·3	23·8	73	..	1·7	..	2·7	0	0	14	2	0	3	3	0	2	4	0	17	0
	2330	,,	1010.3	984·2	..	23·8	21·8	20·7	24·4	83	..	1·7	..	2·4	0	0	12	3	2	2	5	0	0	0	0	19	0
Keonjhargarh	0830	463	1010·9	959.4	..	23·9	21·7	21·1	25.0	81	..	5·9	..	1·0	0	0	16	3	2	2	0	0	0	7	2	15	0
	1730	,,	1008.6	957.6	..	26·4	21·7	19·4	22.5	66	..	3.6	..	0·8	0	0	12	0	0	3	0	2	1	6	0	19	0
Balasore	0830	20	1011·5	1009·3	+0·3	26·9	24·5	23·4	28·8	81	+3	3·6	+0.5	3·3	0	0	29	19	3	0	0	1	3	1	2	2	0
	1730	,,	1008·4	1006·1	..	27·6	25·5	24·5	30·7	84	..	4·8	..	1.2	0	0	12	1	2	0	3	3	2	0	1	19	0
Sambalapur	0830	148	1012·2	995·5	+0·6	27·4	23·7	21·9	26·3	71	−5	1·1	−1.6	0·3	0	0	6	0	1	0	1	2	2	0	0	25	0
	1730	,,	1008·3	991·7	..	29·1	23·9	21·3	25·3	64	..	1·2	..	0·3	0	0	2	0	0	0	1	1	0	0	0	29	0
Angul	0830	139	1011·9	996·1	+0.6	25·9	23.4	22·1	26·8	61	+4	3·8	+0.3	2·5	0	0	27	3	1	4	0	3	0	10	6	4	0
	1730	,,	1008·1	992·6	..	29·4	24·0	21.4	25·5	64	..	4·6	..	2·1	0	0	22	4	1	9	2	1	0	3	2	9	0
Chandbali	0830	6	1011·7	1011·1	+0·6	26·9	25·0	24·1	30·0	85	+4	3·4	0	3·3	0	0	30	5	2	0	1	1	0	5	16	1	0
	1730	,,	1008·7	1008·0	..	27·3	24·6	23·3	28·6	80	..	4·9	..	2·5	0	0	24	4	7	4	5	2	0	0	2	7	0
Bolangir	0830	190	1011·8	990·3	..	26·7	22·9	21·0	24·9	71	..	1·9	..	3·3	0	0	31	8	7	1	2	7	5	0	1	0	0
	1730	,,	1007·8	986·6	..	30·0	23·7	20·5	24·1	57	..	2·5	..	2·6	0	0	23	7	8	2	1	2	0	3	0	8	0
Phulbani	0830	464	1010·1	958·3		23·1	21·2	20.1	23·5	85	..	1·2	..	0·0	0	0	0	0	0	0	0	0	0	0	0	31	0
	1730	,,	1005·9	954.9	..	27·5	22·0	19·0	22·0	61	..	1·8	..	0·3	0	0	2	0	0	1	0	0	1	0	0	29	0
Cuttack	0830	27	1011·3	1008.3	[illegible]	26·9	24·5	23·4	28·8	82	+4	2·7	−0·5	2·2	0	0	16	1	4	2	0	0	2	0	7	15	0
	1730	,,	1008·0	1005·0	.	29·5	25·1	23·1	28·3	69	..	3·6	..	3·8	0	0	19	0	3	3	5	1	4	2	1	12	0
Titlagrah	0830	211	1011.9	988·2	.	27.5	23·6	21·7	25·9	71	..	2·5	..	2·0	0	0	31	0	10	0	6	1	9	0	5	0	0
	1730	,,	1007 5	984·1	..	30·5	24·1	20·9	24·7	58	..	2·8	..	2·0	0	0	31	1	19	0	3	0	3	0	5	0	0
Bhubaneswar	0230	46	1009·4	1004·2	..	24·3	23·4	22·9	27·9	93	..	2·0	..	2·7	0	0	16	8	2	2	2	0	1	1	0	15	0
	0530	,,	1009·9	1004·7	..	23·4	22·9	22·7	27·6	95	..	3·0	..	4.8	0	0	27	8	2	2	1	1	3	4	6	4	0
	0830	,,	1011.8	1006·7	+1·3	27·5	24·6	23·3	28·6	79	−1	3·1	−1·6	7·0	0	1	28	6	5	6	0	1	1	3	7	2	0
	1130	,	1010·6	1005·5	.	30·1	24·8	22·4	27·1	65	..	4·0	..	7·6	0	1	30	4	4	10	2	2	2	6	1	0	0
	1430	,,	1008.1	1003·0	..	30·1	24·3	21·5	25·6	61	..	4·8	..	8.3	0	2	28	5	5	7	3	2	3	1	4	1	0
	1730	,	1008·6	1003·5	..	27·7	24·3	22·7	27·6	75	..	4·2	..	6·5	0	0	29	1	7	7	6	6	0	1	1	2	0
	2030	,,	1010·7	1005·5	..	26·0	24·2	23·4	28·8	86	..	2·9	..	5·1	0	0	25	2	7	3	2	8	1	1	1	6	0
	2330	,,	1010·4	1005·3	..	24·9	23·9	23·4	28·8	91	..	2·1	..	3·9	0	0	20	1	5	2	2	4	4	0	2	11	0
Puri	0830	6	1011·8	1011·1	+0.8	28·9	25·0	23·5	28·9	75	−2	3·7	+0.7	6·2	0	1	30	13	7	0	3	0	7	1	0	0	0
	1730	,,	1008.5	1007.8	..	28.4	24.9	23.3	28.6	74	..	4·3	..	8.2	0	1	29	3	5	4	4	7	6	1	0	1	0
Gopalpur	0530	17	1009.9	1007·9	..	24.0	23.0	22.5	27.3	91	..	4.5	..	7.9	0	0	31	14	1	0	0	0	0	0	16	0	0
	0830	,,	1011·7	1009.7	+0·6	26 6	24·1	22·9	27·9	81	+3	3·5	+0·7	10·1	0	0	30	15	1	0	0	0	0	0	14	1	0
	1130	,,	1010·8	1008.8	..	29·8	25.1	22.9	27·9	68	..	4·0	..	12·5	0	3	27	4	4	4	3	8	3	0	4	1	0
	1730	,,	1008 6	1006.7	..	28·6	24 6	22·7	27·6	72	..	4·5	..	11·3	0	2	27	2	3	6	9	3	4	1	1	2	0
	2330	,,	1010·4	1008.5	..	25·9	24·1	23.3	28·6	86	..	3·8	..	5·7	0	0	24	6	2	0	1	0	8	3	4	7	0
Koraput	0830	913	1521·5	912·0	+1.3	21.1	18·8	17.5	20·0	81	0	3·4	−0·3	11.5	0	0	31	2	2	6	5	9	6	0	1	0	0
	1730	,,	1501·7	909·2	..	25·4	19 3	15·8	17·9	57	..	4·3	..	14.1	0	0	31	10	7	1	0	3	0	2	8	0	0
Bihar Plateau																											
Dumka	0830	149	1012·1	995·2	+0.3	26·4	23·0	21·3	25·3	74	+2	1·8	−0·3	2·5	0	0	17	0	5	4	2	1	1	3	1	14	0
	1730	,,	1008·0	991·3	..	28·1	23 3	20·9	24·7	65	..	1·6	..	1·3	0	0	8	1	1	1	3	1	0	1	0	23	0
Daltonganj	0830	221	1011·0	986 1	−0·7	25·8	22·2	20·3	23·8	72	−4	1·3	−0.5	2·1	0	0	22	1	5	8	3	2	2	1	0	9	0
	1730	,,	1007·7	983.1	..	28·8	23·0	20.0	23·4	60	..	2·5	..	1·9	0	0	18	0	6	0	2	2	5	0	3	13	0
Hazaribagh	0830	611	1011·7	944·1	+0.1	24·5	20.8	18.9	21·8	72	+7	1·7	−0.8	4·1	0	0	22	0	0	2	3	9	6	0	2	9	0
	1730	,,	1008·7	941·3	..	24·4	20·4	18·3	21.0	69	..	2·3	..	3·9	0	0	20	5	1	1	1	1	1	1	9	11	0
Dhanbad	0830	257	1011·5	982·5	..	28·0	22·2	20·3	23·8	73	..	1·4	..	0·6	0	0	6	0	0	2	1	1	1	1	0	25	0
	1730	,,	1008·2	979·5	..	25·8	22·5	19·5	22·7	61	..	1·8	..	0·3	0	0	4	0	0	1	1	0	0	1	1	27	0
Ranchi	0830	655	1010·1	937·9	−0.8	24·1	19·7	17·3	19·7	67	+1	1·9	−0·9	0·9	0	0	14	1	2	0	0	3	0	0	8	17	0
	1730	,,	1007·1	935·3	..	25·1	20·5	18 1	20·8	65	..	2·6	..	0·5	0	0	7	1	0	4	0	1	0	0	1	24	0
Ranchi Aerodrome	0530	652	1010·7	937.7	..	19·5	18·3	17·6	20·1	89	..	2·3	..	0·3	0	0	2	0	1	0	0	0	1	0	0	29	0
	0830	,,	1011·4	939·3	..	24·1	20·4	18·5	21·3	71	..	2.0	..	2·8	0	0	10	1	1	3	0	2	3	0	0	21	0
	1130	,,	1010.0	938 7	..	26·7	20·4	16·9	19·3	56	..	3.7	..	6·1	0	2	22	5	7	2	3	2	1	1	3	7	0
	1430	,,	1007·3	936·4	..	27·3	20·0	15·9	18·1	51	..	4.0		9·2	0	3	24	4	8	5	1	1	0	3	5	4	0

* Data available for less than 15 days hence no means published.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed m. per hour	Wind speed (Km. p. h.): 62 or more	Wind speed (Km. p. h.): 20 to 61	Wind speed (Km. p. h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bihar Plateau—Contd.																											
Ranchi Aerodrome—(Contd.)	1730	652	1007·8	936·5	..	25·7	20 3	17·3	19·9	62	..	3.1	..	4·8	0	1	17	3	5	4	2	0	0	1	3	13	0
	2030	,,	1010·4	938·2	..	22·6	19·8	18·3	21·0	77	..	2·1	..	2·0	0	1	4	0	0	2	2	0	0	0	1	26	0
Jamshedpur	0830	129	1011·3	996·6	−0·4	25·4	23·0	21·8	26.1	81	+6	1·6	−1·5	2 9	0	0	25	0	0	2	2	0	2	9	10	6	0
	1730	,,	1007·6	993·2	..	28 6	23·7	21.3	25·3	65	..	2.7	..	2·8	0	0	21	2	3	5	4	0	2	4	1	10	0
Jamshedpur (P.B.O.)	0530	142	1010·4	994·2	..	21·8	21·1	20·8	24·6	94	..	2·5	..	0 8	0	0	6	0	2	0	0	1	1	1	1	25	0
	0830	,,	1012·1	996·0	..	25·6	22·9	21·6	25·8	79	..	2·2	..	3·2	0	0	21	0	4	0	0	0	2	8	7	10	0
	1130	,,	1010·6	994·7	..	29·3	23·8	21·1	25·0	62	..	3·1	..	4·1	0	0	25	3	1	1	2	3	5	6	4	6	0
	1430	,,	1007 9	992·1	..	30·2	23·4	19·9	23·2	55	..	3·8	..	4·5	0	0	26	2	2	5	0	0	5	2	10	5	0
	1730	,,	1008·2	992·3	..	28·1	23·3	20·9	24·7	66	..	2·9	..	2.1	0	0	15	1	2	4	2	1	0	1	4	16	0
	2030	,,	1010 4	994.3	..	25·0	23·0	22·0	26·4	83	..	2 0	..	1.6	0	0	11	0	3	2	1	1	0	2	2	20	0
	2330	,,	1010·6	994·5	..	23·3	22·1	21·5	25·6	90	..	2·1	..	1·1	0	0	8	0	0	1	0	0	1	2	4	23	0
Chaibasa	0830	226	1011·7	986·1	+0·3	25·3	22·5	21·1	25·0	78	+2	2·1	−0.7	1·2	0	0	14	1	3	0	2	0	5	0	3	17	0
	1730	,,	1007·9	982·6	..	27·7	23·1	20·7	24·4	67	..	3·3	..	0.3	0	0	4	0	1	0	2	0	1	0	0	27	0
Bihar Plains																											
Motihari	0830	66	1012 1	1004·7	+0·8	26·5	25·8	22·5	27·3	80	+3	(a) 1·5	0	(a) 4·5	0	0	29	4	6	10	4	1	1	0	3	1	0
	1730	,,	1009·1	1001.6	..	26·8	24·7	23·7	29·3	81	..	(a) 1·5	..	(a) 1·2	0	0	13	1	0	7	2	1	1	1	0	17	0
Forbesganj	0830	61	1011·5	1004·6	..	25·2	22·5	21·1	25·0	78	..	2 9	..	2·1	0	0	18	0	0	18	0	0	0	0	0	13	0
	1730	,,	1008·5	1001·7	..	27·5	23·9	22·2	26·7	74	..	2·0	..	0·3	0	0	4	0	0	2	0	0	0	2	0	27	0
Darbanga	0830	49	1012·9	1007·4	+1.4	28·0	24.1	22·3	26·9	69	−2	1·2	−0.7	2·3	0	0	22	0	7	7	3	1	2	1	1	9	0
	1730	,,	1009 4	1004·0	..	28·5	24·5	22 6	27·4	70	..	1·2	..	0·8	0	0	10	0	2	3	1	1	0	1	2	21	0
Chapra	0830	58	1012·0	1005·5	..	26·8	23·7	22·2	26·7	76	..	1 6	..	1·5	0	0	22	1	11	0	3	0	6	0	1	9	0
	1730	,,	1008·6	1002·1	..	28·3	24·9	23·3	28·6	75	..	1·3	..	0·8	0	0	13	0	7	3	0	0	1	0	2	18	0
Purnea	0830	38	1011·7	1007·4	−0.1	26·6	23·8	22·5	27·3	78	−2	1·8	−0.4	0·2	0	0	2	0	0	2	0	0	0	0	0	29	0
	1730	,,	1008·8	1004·5	..	27·4	24·5	23·1	28·3	79	..	1·5	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
Patna	0830	53	1011·9	1005·9	+0.3	26·7	23·5	21·9	26·3	76	+7	1·5	−0·4	5·2	0	0	30	0	13	2	3	6	5	1	0	1	0
	1730	,,	1008·5	1002·6	..	28·4	23·6	21.2	25·2	66	..	1·8	..	2·6	0	0	24	1	10	1	5	3	2	2	0	7	0
Patna Aerodrome	0530	60	1009.6	1002·8	..	22·5	21·9	21·3	25·3	95	..	1·7	..	1·6	0	0	10	0	1	5	4	0	0	0	0	21	0
	0830	,,	1011.6	1004·8	..	27·0	23·5	21·7	25·9	73	..	1·6	..	5·8	0	0	27	0	3	10	4	5	5	0	0	4	0
	1130	,,	1010·7	1004·0	..	29·6	24·1	21·4	25·5	62	..	2·4	..	6·4	0	0	29	0	2	7	6	9	4	1	0	2	0
	1430	,,	1008·2	1001·5	..	30·7	24·1	20·8	24·6	57	..	2·7	..	5·9	0	0	27	0	2	7	6	4	5	2	1	4	0
	1730	,,	1008·2	1001·4	..	27·8	23·8	21·9	26.3	70	..	2.2	..	1.0	0	0	6	0	0	1	1	2	1	1	0	25	0
	2030	,,	1009 9	1003·1	..	25·0	23·5	22.8	27·7	88	..	1.2	..	0·8	0	0	4	0	1	2	0	1	0	0	0	27	0
	2330	,,	1010·1	1003.3	..	23·9	22·8	22.3	26.9	91	..	1·3	..	1·7	0	0	7	0	0	2	3	0	1	1	0	24	0
Bhagalpure	0530	49	1010·6	1005.0	..	23·0	22 0	21.5	25.6	91	..	1·0	..	1·4	0	0	12	0	0	2	2	4	2	1	0	20	0
	0830	,,	1012·5	1006·9	+1.2	27·3	23·9	22.3	26 9	75	0	2.3	−0·7	2·8	0	0	25	0	3	3	10	4	3	1	1	6	0
	1130	,,	1011·8	1006.1	..	29·7	24·1	21.4	25·5	62	..	4·2	..	3·9	0	0	27	1	3	5	8	3	1	2	4	4	0
	1730	,,	1009·0	1003.5	..	28·0	23·9	21.9	26.3	70	..	3·2	..	2.2	0	0	20	3	3	3	3	1	2	3	2	11	0
	2330	,,	1011.0	1005.4	..	24.2	22·5	21.7	25.9	86	..	1·7	..	2.3	0	0	20	0	1	2	12	3	1	0	1	11	0
Sabaur	0830	37	1012·2	1008.0	+0·5	26·8	24·2	23.9	28·1	80	+4	2·2	+0·4	2·7	0	0	25	2	2	8	5	2	3	3	0	6	0
	1730	,,	1008 7	1004.5	..	28 9	25·6	24·1	30·0	76	..	2·4	..	1·0	0	0	5	0	0	3	0	1	0	0	1	26	0
Jamui	0830	82	1008·7	999·2	..	25·6	23.3	22·1	26.6	82	..	1.0	..	1.7	0	0	26	1	2	12	8	0	0	2	1	5	0
	1730	,,	1006 0	996.7	..	27·9	24·0	22·1	26 6	72	..	1·0	..	1.9	0	0	26	2	5	7	0	1	0	2	9	5	0
Dehri	0830	107	1011·6	999.4	..	26·4	23·4	21·9	26·2	77	..	1·3	..	2.8	0	0	30	2	1	6	9	11	0	0	1	1	0
	1730	,,	1008·1	996·0	..	29·3	23·9	21·3	25·3	62	..	2·1	..	2·6	0	0	29	4	7	5	1	0	0	9	3	2	0
Gaya	0230	116	1010 0	996·7	..	22·3	21·5	21·1	25·0	93	..	1.3	..	4·8	0	1	24	0	4	6	11	3	0	1	0	6	0
	0530	,,	1010·2	996.8	..	21·4	20·8	20 5	24·1	94	..	1·6	..	4·4	0	0	29	1	4	4	16	3	1	0	0	2	0
	0830	,,	1012·0	998.8	+0·6	25·5	22·5	20·9	24·7	77	+9	1·5	+0·4	5·7	0	0	30	1	0	6	11	7	3	2	0	1	0
	1130	,,	1011·3	998·2	..	29·5	23·7	20·8	24·6	60	..	1·6	.	5·3	0	0	30	3	3	4	4	5	4	2	3	1	0
	1430	,,	1008.6	995·6	..	30·5	23·3	19·5	22·7	53	..	2·4	.	6·0	0	0	29	10	3	3	3	0	1	4	5	2	0
	1730	,,	1008·5	995·5	..	28·3	23·3	20·8	24·6	65	.	1·8	..	4·3	0	1	27	11	7	3	0	0	1	3	3	3	0
	2030	,,	1010·4	997·2	..	25·2	22·8	21·6	25·8	81	..	1·1	..	3·7	0	1	23	0	8	8	5	2	1	0	0	7	0
	2330	,,	1010·7	997·4	..	23·2	22·1	21·5	25·6	90	..	1·3	..	4·8	0	1	28	1	2	8	13	3	2	0	0	2	0

(a) Mean of 30 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in meters	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Uttar Pradesh East																										
Kheri	0830	147	1010·8	994·0	−0·1	22·2	21·0	20·3	23·8	89	+11	1·5	+0·2	1·7	0	0	18	0	0	16	0	0	0	2	0	13
	1730	,,	1007·4	990·9	..	28·8	23·6	21·0	24·9	63	..	1·1	..	0·7	0	0	10	0	0	7	0	0	0	3	0	21
Baharaich	0830	124	1011·9	997·8	+0·8	25·2	22·0	20·3	23·8	74	+1	1·7	+0·7	5·1	0	0	19	0	0	15	0	0	0	2	2	12
	1730	,,	1008·3	994·2	..	28·9	23·1	20·1	23·5	59	..	2·9	..	2·0	0	0	8	0	1	2	0	0	0	4	1	23
Nautanwa	0830		1010·7	999·4	..	25·4	22·7	21·3	25·3	78	..	1·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1007·7	996·5	..	27·8	24·8	23·5	28·9	77	..	1·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hardoi	0830	142	1011·9	995·7	+1·4	25·7	21·6	19·4	22·5	72	−4	1·3	−0·1	2·2	0	0	26	3	2	3	6	1	3	5	3	5
	1730	,,	1007·7	991·8	..	29·0	22·6	19·4	22·5	54	..	1·4	..	1·5	0	0	19	1	0	3	6	2	1	3	3	12
Gonda	0830	110	1012·2	999·8	..	26·1	22·5	20·7	29·4	72	−4	1·3	−0·1	1·8	0	0	18	1	3	11	0	0	0	0	3	13
	1730	,,	1008·9	995·9	..	27·9	23·1	20·7	24·4	65	..	1·2	..	0·4	0	0	5	0	0	3	0	0	1	1	0	26
Lucknow	0830	111	1010·8	998·2	−0·4	24·8	21·5	19·6	22·8	74	+5	1·4	+0·4	0·2	0	0	3	0	0	3	0	0	0	0	0	28
	1730	,,	1008·1	995·6	..	29·4	22·5	18·5	21·3	54	..	1·3	..	0·1	0	0	1	0	0	1	0	0	0	0	0	30
Lucknow (Amausi)	0230	128	1009·1	994·4	..	20·8	19·6	18·9	21·9	89	..	1·6	..	2·9	0	0	19	0	4	6	3	0	1	4	1	12
	0530	,,	1009·5	994·8	..	20·2	19·0	18·3	21·0	89	..	1·8	..	3·9	0	0	23	0	6	3	4	0	3	5	2	8
	0830	,,	1011·3	996·8	0	24·8	21·1	19·1	22·0	71	+14	1·7	+0·7	7·3	0	5	23	0	5	5	3	3	2	6	4	3
	1130	,,	1010·7	996·4	..	29·6	21·9	17·5	20·0	50	..	1·8	..	9·3	0	3	27	3	2	5	3	3	3	5	6	1
	1430	,,	1008·0	993·9	..	31·0	21.9	16·4	18·6	44	..	2·9	..	8·1	0	1	30	5	1	4	4	4	1	6	6	0
	1730	,,	1007·9	993·5	..	28·0	22·5	19·6	22·8	62	..	1·5	..	3·2	0	0	18	3	3	5	2	1	0	1	3	13
	2030	,,	1009·7	995·1	..	23·5	21·1	19·8	23·1	80	..	1·2	..	3·0	0	0	15	0	4	4	1	1	0	3	2	16
	2330	,,	1010·1	995·4	..	21·9	20·3	19·4	22·5	86	..	1·7	..	4·1	0	1	16	1	2	6	2	0	1	2	3	14
Faizabad	0830	102	1011·6	1000·0	..	25·5	22·4	20·8	24·6	76	..	2·2	..	3·2	0	0	23	1	0	3	10	2	1	3	3	8
	1730	,,	1008·1	996·7	..	27·5	23·6	21·7	25·9	71	..	2·1	..	1·4	0	0	5	0	1	1	1	0	0	1	1	26
Gorakhpur	0830	77	1010·7	1002·0	−0·6	26·9	23·0	21·0	24·9	71	−4	1·2	0	2·0	0	0	26	5	0	15	0	2	0	4	0	5
	1730	,,	1007·3	998·7	..	29·1	23·3	20·3	23·8	60	..	1·7	..	1·5	0	0	21	3	0	5	2	1	2	7	1	10
Gorakhpur (P. B. O.)	0230	78	1009·7	1000·7	..	23·8	22·3	21·7	25·9	88	..	1·1	..	3·2	0	0	23	4	6	1	5	1	1	1	4	8
	0530	,,	1009·9	1000·9	..	33·2	21·9	21·6	25·8	89	..	1·5	..	1·5	0	0	14	3	7	2	0	0	1	0	1	17
	1130	,,	1011·4	1002.5	..	28·4	23·5	21·6	25·8	67	..	2·2	..	5·5	0	0	30	0	2	4	10	7	2	1	4	1
	1430	,,	1008·6	999·8	..	29·0	23·3	20·2	24·4	62	..	2·8	..	5·9	0	0	27	1	2	3	8	7	2	3	1	4
	2030	,,	1010·1	1001·2	..	25·5	23·3	22·3	26·9	83	..	0·8	..	0·2	0	0	13	2	6	2	1	0	1	0	1	18
	2330	,,	1010·3	1001·4	..	24·5	22·8	22·1	26·6	86	..	0.5	..	2·6	0	0	17	2	6	4	0	1	2	0	2	14
Kanpur	0830	126	1010·7	996·2	−0.8	23·8	20·6	18·8	21·7	74	+6	1·8	+1·1	5·5	0	0	28	6	3	8	0	3	1	7	0	3
	1730	,,	1007·6	993·5	..	31·1	22·4	17·5	20·0	48	..	1·5	..	5·1	0	0	31	14	1	7	0	0	1	7	1	0
Kanpur (Aerodrome)	0530	126	1009·1	994·8	..	21·6	19·9	18·8	21·7	87	..	1·9	..	5·5	0	0	21	3	5	2	0	1	7	3	0	10
	0830	,,	1011.1	996·8	..	25·1	21·1	18·7	21·6	69	..	1·5	..	9·9	0	0	30	3	4	6	2	2	2	10	1	1
	1130	,,	1010·5	996·8	..	30·5	22·1	17·2	19·6	48	..	1·9	..	14·1	0	1	30	3	3	8	3	1	2	9	2	0
	1730	,,	1008·2	994·2	..	29·8	22·1	17·6	20·1	51	..	1·3	..	7·8	0	0	30	7	6	5	1	1	0	4	6	1
	2330	,,	1009·9	995·6	..	23·1	20·5	18·9	21·8	79	..	1·6	..	6·8	0	1	18	1	3	5	5	1	0	2	2	12
Sultanpur	2330	97	1011·7	1000·7	..	25·5	22·3	20·5	24·1	74	..	1·6	..	1·5	0	0	16	1	2	3	3	0	3	1	3	15
	1730	,,	1007·7	996·8	..	29·5	24·1	21·4	25·5	64	..	1·4	..	0·7	0	0	18	0	0	2	3	1	0	2	0	23
Azamgarh	0830	78	1011·8	1002·9	..	26·2	23·4	22·2	26·7	79	..	0·5	..	4·3	0	0	24	7	2	12	0	0	0	3	0	7
	1730	,,	1008·1	999·4	..	28·4	25·0	23·6	29·0	76	..	1·0	..	1·6	0	0	10	4	1	2	1	1	0	1	0	21
Fatehpur	0830	114	1011·5	998·5	..	25·0	21·2	19·1	22·1	71	+3	1·2	−0·1	3·8	0	0	26	1	4	5	3	2	2	5	4	5
	1730	,,	1007·8	995·0	..	29·6	23·1	19·7	22·9	57	..	0·8	..	2·2	0	0	18	3	4	6	1	0	0	1	3	13
Ballia	0830	64	1012·4	1005·0	..	25·7	23.2	22·2	26·7	80	..	1·4	..	0·6	0	0	12	0	3	7	2	0	0	0	0	19
	1730	,,	1009·1	1001·9	..	28·1	23·7	21·7	25·9	68	..	1·7	..	0·2	0	0	3	0	0	3	0	0	0	0	0	28
Banda	0830	121	1011·2	998·1	..	26·2	21·5	18·7	21·6	65	..	1·3	..	0·7	0	0	11	0	2	0	4	0	3	0	2	20
	1730	,,	1008·1	994·5	..	31·0	23·5	19·9	23·2	52	..	0·7	..	0·3	0	0	5	0	3	2	1	0	1	0	0	26
Allahabad (Bamhrauli)	0230	98	1009·2	997·9	..	22·5	20·3	19·0	22·0	81	..	1·0	..	1·1	0	0	9	2	2	1	1	0	1	2	0	20
	0530	,,	1009·6	998·3	..	21·4	19·7	18·7	21·6	85	..	1·7	..	1·7	0	0	12	3	3	2	0	0	0	1	3	19
	0830	,,	1011·5	1000·4	+0·1	25·7	21·4	18·9	21·8	68	+1	1·9	+0·2	2·6	0	0	24	3	4	3	2	3	3	5	1	7
	1130	,,	1010·7	999·8	..	31·2	22·8	18·0	20·6	48	..	2·3	..	2·4	0	0	28	2	6	2	3	1	2	4	8	3
	1430	,,	1008·1	997·2	..	32.8	22·8	16·8	19·1	41	..	2.3	..	5·8	0	1	30	6	2	4	0	0	2	4	13	0
	1730	,,	1007·9	996·9	..	30.3	23.0	19·0	22.0	52	..	1.5	−0·4	1·7	0	0	15	4	5	1	0	0	0	1	4	16
	2030	,,	1009·7	998·6	.	25·7	21·5	19·3	22·4	69	..	0.9	..	1·2	0	0	8	2	1	4	0	1	0	0	0	23
	2330	,,	1010·0	998·8	..	23·8	20·8	19·2	22·2	76	..	0·8	..	0·7	0	0	5	0	2	3	0	0	0	0	0	26
Varanasi (Babatpur)	0530	85	1010·8	1000·8	..	21·5	20·4	19·9	23·2	90	..	1·1	..	2·4	0	0	10	0	4	4	0	0	1	1	0	21
	0830	,,	1012·6	1002·9	+1.0	25·9	22·7	21·0	24·9	74	+3	1·2	−0·9	6·1	0	0	28	3	2	7	2	6	3	4	1	3
	1130	,,	1011·8	1002·1	..	30·6	23·3	19·4	22·5	52	..	1·9	..	8·1	0	0	30	3	3	6	2	2	2	5	5	1

Sub-Division and station	Hour of observation I.S.T.	Station elevation in meters	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	3	24	25	26	27	28
Uttar Pradesh East—(Contd.)																											
Varanasi (Babatpur)—(Contd.)	1730	85	1009·1	999.4	..	28.9	23.0	19.9	23.2	59	..	1 6	..	5.6	0	0	20	4	2	9	0	0	0	0	3	11	2
	2330	,,	1011.1	1001.2	..	24.1	21.7	20.3	23.8	80	..	0.6	..	2.2	0	0	9	0	4	4	0	1	0	0	0	22	0
Varanasi . .	0830	76	1011.4	1002.9	+0·1	26.1	23.1	21.7	25.9	77	+8	1.0	−0·7	1.9	0	0	29	0	7	3	1	0	2	13	3	2	0
	1730	,,	1007.6	999.1	..	30.6	24.4	21.7	25.9	62	..	1.4	..	1.8	0	0	26	0	3	8	1	0	2	8	4	5	0
Uttar Pradesh West																											
Mukhim . . .	0830	,,	..	..	..	15.4	11.8	9.0	11.5	66	..	2.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	16.1	12.1	9.0	11.5	64	..	3.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tehri . . .	0830	,,	..	..	..	18.6	16.0	14.3	16.3	76	..	2.0	..	0.8	0	0	12	4	3	3	1	1	0	0	0	19	0
	1130	,,	..	..	..	20.0	18.1	13.6	15.6	50	..	2.0	.	2.2	0	0	28	3	7	8	4	1	2	2	1	3	0
	1730	,,	..	..	..	26.2	18.5	13.5	15.5	47	..	2.3	..	3.5	0	0	26	0	1	1	9	9	5	0	1	5	0
Dehradun . .	0530	682	1011.0	934.3	..	18.3	15.4	13.5	15.5	75	..	2.0	..	0.8	0	0	9	6	3	0	0	0	0	0	0	22	0
	0830	,,	1011.6	935.7	+0·1	21.7	17.7	15.3	17.4	67	−1	1.7	+0.7	0.1	0	0	4	0	1	0	0	1	1	1	0	27	0
	1130	,,	1010.8	936.0	..	26.0	19.5	15.8	17.9	54	..	0.3	..	1.9	0	0	22	0	0	0	4	6	10	1	1	9	0
	1730	,,	1008.2	933.8	..	24.7	19.8	17·6	19.5	61	..	2.5	..	0.7	0	0	11	3	0	1	0	4	1	1	1	20	0
	2330	,,	1010.8	934.6	..	20.4	17.2	15.1	17.3	72	..	1.5	..	1.9	0	0	22	9	11	0	0	1	0	0	1	9	0
Mussoorie . . .	0830	..	..	..	..	14.1	12.3	11.0	13.1	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	12.6	11.9	11·4	13·5	92	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Roorkee . . .	0830	274	1012.7	981.5	+1·1	23.0	19.2	16.7	19.0	68	−4	1.3	+0.7	0.1	0	0	2	0	0	0	0	0	0	0	2	29	0
	1730	,,	1008.8	978.3	..	28.8	22.0	18.0	20.6	53	..	1.4	..	0.1	0	0	1	0	0	0	0	0	0	0	1	30	0
Najibabad . .	0830	270	1012.5	982.1	..	24.0	20.3	17.9	20.5	70	..	1.5	..	3.1	0	0	25	2	4	13	5	0	0	0	1	6	0
	1730	,,	1008.8	978.7	..	27.7	22.5	19.6	22.8	61	..	1.6	..	1.9	0	0	15	2	3	4	2	0	0	0	4	16	0
Meerut . . .	0830	222	1011.4	986.3	+0.4	25.4	20.2	17.0	19.0	61	−6	0.2	−0·3	2.8	0	0	19	0	2	5	3	0	0	5	4	12	0
Bareilly . . .	0830	173	1011.4	991.5	0	24.7	20.8	18.6	21.4	69	−4	1.1	+0.2	5.7	0	0	31	2	1	10	7	2	2	5	2	0	0
	1730	,,	1007.5	988.2	..	29.0	22.0	18.1	20.8	53	..	1.0	..	2.2	0	0	21	4	4	8	0	1	0	3	1	10	0
Bareilly P. B. O. .	0230	172	1009.3	989.6	..	23.9	21.0	19.7	22.9	77	..	1.0	..	2.4	0	0	14	0	1	10	0	1	1	0	1	17	0
	0530	,,	1009.8	990.1	..	23.0	20.4	19.3	22.4	80	..	1.6	..	2.8	0	0	22	0	5	11	1	0	0	5	0	9	0
	1130	,,	1011.0	991.5	..	28.6	22.8	20.3	23.8	62	..	1 5	..	4.5	0	0	30	2	2	14	3	1	0	5	3	1	0
	1430	,,	1008.2	988.9	..	30.9	23.2	19.7	22.9	52	..	2.1	..	6.3	0	1	29	1	1	10	4	1	0	6	7	1	0
	2030	,,	1009.5	990.0	..	26.5	22.2	20.3	23.8	69	..	0.8	..	3.0	0	0	20	1	3	11	2	0	0	3	0	11	0
	2330	,,	1009.8	990.2	..	25.0	21.6	20.1	23.5	75	..	0.8	..	2.4	0	0	19	0	1	11	4	0	0	3	0	12	0
Aligarh . . .	0830	187	1011.6	989.9	..	24.6	19.9	16.9	19.3	63	+12	1.0	+0.5	4.3	0	0	31	1	2	9	0	1	5	12	1	0	0
	1730	,,	1007.9	987.0	..	31.2	22.0	16.4	18.6	42	..	2.0	..	2.6	0	0	25	7	1	9	0	1	0	6	1	6	0
Mainpuri . . .	0830	157	1011.1	993.6	+0.4	25.2	21.3	19.0	22.0	68	+6	1.0	0	1.0	0	0	10	0	1	5	1	0	1	2	0	21	0
	1730	,,	1007.9	990.3	..	29.8	23.3	19.8	23.1	57	..	1.2	..	0.9	0	0	6	0	1	1	0	0	1	2	0	25	1
Agra	0830	169	1011.5	992.2	0	25.5	20.2	17.0	19.4	60	+8	0.6	−0.2	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	1730	,,	1008.2	989.4	..	31.0	22.4	17.4	20.1	46	..	0.3	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
Agra (Aerodrome) .	0530	169	1009.8	990.2	..	19.1	17.9	17.1	19.5	88	..	0.7	..	2.4	0	1	7	0	1	3	0	0	0	3	1	23	0
	0830	,,	1011.5	992.3	..	24.2	20.8	18.8	21.7	73	..	0.6	..	5.5	0	1	18	2	1	5	0	0	0	2	9	12	0
	1130	,,	1011.0	992.2	..	31.4	23.1	18.5	21.3	48	..	0.9	..	10.7	0	5	20	1	1	4	4	0	1	4	9	6	1
	1730	,,	1007.9	989.1	..	29.8	22.9	19.1	22.1	54	..	1.2	..	5.1	0	1	18	1	3	4	0	0	1	6	4	12	0
	2330	,,	1010·1	980·7	..	22.1	19.4	17.5	20.0	75	..	0.8	..	2.8	0	0	11	0	1	4	2	0	0	1	2	20	1
Etawah . . .	0830	141	1011·8	995.9	..	28.9	21.8	17.5	20.0	52	..	0.5	..	3.0	0	0	31	4	5	2	0	4	1	5	10	0	0
	1730	,,	1006·5	990·7	..	30.9	22.2	17.1	19.5	45	..	0.5	..	2.5	0	0	30	4	8	0	1	0	1	0	16	1	0
Jhansi . . .	0830	251	1012·1	983·7	+0.2	25.4	19.1	14·9	16.9	54	−1	0.8	−0.2	1.3	0	0	17	3	0	1	0	4	2	7	0	14	0
	1730	,,	1007·2	979·7	..	33.1	21.6	14.1	16.5	36	..	0.9	..	1.2	0	0	16	7	0	4	0	3	0	2	0	15	0
Punjab (Including Delhi)																											
Pathankot . . .	0530	312	1010·1	974.4	..	19.6	16.5	14.3	16.3	71	..	1.5	..	2.0	0	0	9	1	4	1	2	1	0	0	0	22	0
	0830	,,	1011·4	976.1	+0.6	23.9	17.8	14.0	16.0	55	−5	1.7	+0.5	3.1	0	0	21	5	7	6	2	1	0	0	0	10	0
	1130	,,	1010·9	976·3	..	29.7	20.2	13.8	15.8	39	..	1.7	..	8.8	0	0	30	0	0	2	7	11	7	2	1	1	0
	1730	,,	1008·0	973·5	..	29.7	20.1	13.6	15.6	39	..	2·3	..	6.9	0	0	28	1	0	0	1	2	4	8	12	3	0
	2330	,,	1010.7	975·3	..	22.0	17.8	14.8	16.8	63	..	1.5	..	2.5	0	0	10	1	4	5	0	0	0	0	0	21	0
Amritsar . . .	0830	1096	1525·2	894·5	..	14.3	12.3	10.6	12.7	79	..	1.4	..	2·8	0	0	21	17	0	2	0	2	0	0	0	10	0
	1130	,,	1517·2	892·5	..	22.5	15.4	10.1	12.3	47	..	1.7	..	6.8	0	1	30	4	0	2	7	16	2	0	0	0	0
	1730	,,	1495·0	890.2	..	22.2	15.8	11.1	13.2	51	..	3.0	..	11.0	0	5	21	1	0	1	8	13	1	0	2	3	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Punjab (Including Delhi)—(*Contd.*)																											
Amritsar (Rajasansi)	0530	234	1010·1	983·0	..	18·0	16·8	16·0	18·1	88	..	0·7	..	2.5	0	0	13	3	2	7	0	0	0	0	1	18	0
	0830	,,	1011.5	984·4	+0.1	22·4	19·2	17·1	19·4	72	−2	0·9	+0·2	2·4	0	0	12	3	0	7	0	1	0	0	1	19	0
	1130	,,	1011.1	985·0	..	30.2	21·1	15·5	17·6	42	..	1·1	..	5·7	0	0	24	0	1	4	4	6	3	5	1	7	0
	1430	,,	1008.6	982·8	..	32·4	21·1	13·8	15·7	34	..	1·4	..	7·3	0	1	24	1	0	4	4	2	2	4	8	6	0
	1730	,,	1008.0	982·0	..	30.0	21·3	15·8	17.9	44	..	1·3	..	3·9	0	0	20	0	0	2	0	1	0	8	9	11	0
	2030	,,	1010·1	983·4	..	23.2	19·3	16.9	19·2	69	..	0·8	..	3·2	0	1	10	1	2	1	1	3	0	0	3	20	0
Adampur (Aerodrame)	0830	249	1011.3	983·1	..	22·5	18·9	16·7	19·0	71	..	1·3	..	0·4	0	0	13	1	0	1	8	1	0	0	2	18	0
	1730	,,	1008·5	980·8	..	28·7	21·2	16·6	18·9	49	..	1·5	..	7·9	0	1	24	2	1	2	1	3	2	5	9	6	0
Ludhiana	0830	247	1013.9	985·7	+2.5	24·0	19·4	16·5	18·7	63	+2	1·3	+0·7	1·4	0	0	21	3	3	4	5	2	2	0	2	10	0
	1730	,,	1008.2	980·8	..	30·5	21·8	16·7	19·0	45	..	1·2	..	2·1	0	0	22	2	4	2	2	2	2	1	7	9	0
Ferozepur	0830	200	1011·8	988·9	..	23·6	19·4	16·7	19·0	66	..	0·3	..	1·1	0	0	15	1	2	1	2	5	2	1	1	16	3
	1730	,,	1007.5	985.7	..	31.5	22.1	16·2	18·4	41	..	0·5	..	1·0	0	0	15	3	3	0	0	1	1	1	6	16	0
Halwara (Aerodrame)	0830	[illegible]	1011.4	983.9	..	23.2	19.3	16.8	19·1	68	..	1.2	..	3.9	0	0	15	0	1	2	8	1	1	1	1	16	0
	1730	,,	1008.2	981.4	..	29.5	20.9	15.4	17.5	43	..	1.5	..	5.4	0	0	23	5	1	0	5	2	0	0	10	8	0
Chandigarh	0830	347	1010.8	971·5	0	25.1	18.9	14·5	16·5	52	−10	0·7	−0·3	1·7	0	0	12	0	0	0	0	0	0	0	12	19	0
	1730	,,	1007.3	968.7	..	28.8	20.5	15.0	17.0	44	..	1.2	..	1·2	0	0	16	0	0	0	14	0	0	0	2	15	0
Ambala	0830	272	1011.5	980.5	+0.2	23.9	19.4	16·3	18.5	63	+3	0·6	−0·1	0·3	0	0	3	0	1	1	1	0	0	0	0	28	0
	1730	,,	1007.4	977·0	..	29·4	23.4	20·2	23·6	57	..	1·0	..	2·4	0	0	23	0	1	0	13	0	6	0	3	8	0
Ambala (P. B. O.)	0230	278	1009·4	977.7	..	22·1	19·6	18 3	20·8	80	..	1·0	..	4·1	0	1	14	1	2	3	3	0	0	0	6	16	0
	0530	,,	1009·7	977·9	..	20·9	18·9	17·9	20·2	84	..	1·3	..	3·5	0	0	16	0	0	3	7	0	1	0	5	15	0
	1130	,,	1010·9	979·9	..	28·7	22·7	20.1	23·2	60	..	1·4	..	6·7	0	1	21	0	0	2	14	0	1	0	5	9	0
	1430	,,	1008.3	977·5	..	30.7	22.4	18·8	21·4	49	..	2·0	..	7·5	0	1	25	1	2	1	5	3	4	3	9	5	0
	2030	,,	1009.2	978·0	..	26.3	21·5	19·3	21·8	66	..	1.2	..	3·4	0	0	16	0	1	1	3	1	0	2	8	15	0
	2330	,,	1010·0	978·5	..	23·8	20·3	18.6	21·2	70	..	1.0	..	6·3	0	2	17	2	2	2	2	0	0	3	8	12	0
Ambala (Aerodrome)	0530	274	1009·5	978·2	..	17·8	16·5	15·4	17.5	87	..	1·0	..	2·9	0	0	9	0	0	5	1	0	0	1	2	22	0
	0830	,,	1011·0	980.0	..	23·2	19·1	16·4	18·6	67	..	1·0	..	7·9	0	1	23	1	1	12	4	1	0	0	3	7	2
	1130	,,	1010·7	980·2	..	29·4	21·3	16·2	18·4	47	..	1·3	..	13 2	0	4	26	0	2	10	10	0	0	0	5	1	3
	1730	,,	1008·0	977·4	..	28·3	20.7	15·3	17·4	48	..	1.6	..	8·4	0	4	18	0	0	2	4	0	1	4	9	9	2
	2330	,,	1010·5	979·0	..	19·8	17·7	16·3	18·5	80	..	0.6	..	3·8	0	1	2	1	0	0	0	0	0	1	1	28	0
Patiala	0830	251	1011·7	983·5	..	24·5	19·4	16·9	19·2	66	..	0·8	..	2·9	0	0	9	0	0	0	9	0	0	0	0	22	0
	1730	,,	1008·6	980·7	..	29·0	22·0	18·3	21·0	53	..	1.2	..	2·0	0	0	9	0	0	0	4	0	0	0	5	22	0
Bhatinda	0830	211	1011·1	987·4	..	27·5	21·5	18.0	20·6	57	..	0·6	..	1·9	0	0	20	0	0	0	12	1	5	0	2	11	0
	1730	,,	1007·4	983·8	..	31·1	23·3	19·0	21·9	49	..	0·6	..	1·5	0	0	17	0	4	0	2	1	0	0	10	14	0
Karnal (R)	0830	249																									
(R)	1730	,,																									
Hissar	0530	221	1009·8	984·4	..	20·5	18·0	16·3	18·5	78	..	1.0	..	4·7	0	0	27	0	1	8	4	2	8	3	1	4	0
	0830	,,	1011·6	986·3	0	23·1	19·4	17·0	19·4	69	+15	0·9	+0.3	3·7	0	0	26	1	0	6	4	5	7	3	0	5	0
	1130	,,	1010·6	986·2	..	31·1	22·8	18 2	20.7	47	..	1·0	..	6·6	0	0	30	0	2	4	8	3	6	5	2	1	0
	1730	,,	1007·7	983·3	.	32.1	22.8	17.6	20·1	43	..	1·1	..	3·4	0	0	24	3	3	5	2	0	1	3	7	7	0
	2330	,,	1009·9	985·2	..	23.6	19.4	16·8	19·1	67	..	0·7	..	3·5	0	0	25	1	1	10	6	1	2	1	3	6	0
New Delhi (Safdarjung)	0230	216	1009·4	984·7	..	22.1	18.6	16·3	18·5	70	..	0·8	..	4·3	0	0	21	0	2	3	5	0	3	6	2	10	0
	0530	,,	1009·7	984·9	..	21.1	17.8	15·2	17·3	72	..	0·7	..	5·7	0	0	24	0	2	4	5	1	3	7	2	7	0
	0830	,,	1011·4	986·8	+0.1	24.1	18.8	15·1	17·1	58	0	0·9	0	9·0	0	1	28	0	0	5	6	3	2	8	5	2	0
	1130	,,	1010·7	986·7	..	30 4	20.9	14·7	16·7	40	..	1 3	..	12·6	0	0	31	3	0	6	6	1	2	6	7	0	0
	1430	,,	1007·7	983·7	..	32·5	21·2	13·8	15·8	34	..	1.5	..	1·3	0	4	27	5	3	4	3	1	2	3	10	0	0
	1730	,,	1007·6	983·7	..	31·1	21·2	15·0	17·0	39	..	1·3	..	7·9	0	1	28	7	4	5	2	0	0	2	9	2	0
	2030	,,	1009·4	984·9	..	25.9	20·4	17·1	19·6	59	..	1·0	..	3·2	0	0	18	3	3	5	1	1	0	1	4	13	0
	2330	,,	1010·0	985.4	..	23.6	19·2	16·3	18·5	65	..	0·7	..	4·5	0	0	23	1	0	3	5	1	3	5	5	8	0
Palam Aerodrome	0230	233	1011·3	984·5	..	22·4	19·5	18·1	20·8	78	..	0·8	..	4·5	0	0	22	0	1	9	4	2	6	0	0	9	0
	0530	,,	1011·1	984·5	..	20·0	18·3	17·0	19·4	82	..	0·7	..	5·5	0	0	23	0	1	7	2	3	10	0	0	8	0
	0830	,,	1011·8	985·2	..	23.6	19·9	17·7	20 2	71	..	0·7	..	6·9	0	0	22	0	2	4	2	0	11	2	1	9	0
	1130	,,	1011·4	985·4	..	30·3	23·1	19·3	22·4	52	..	1·0	..	10.4	0	1	29	0	3	6	3	3	1	9	5	1	0
	1430	,,	1008 7	982·5	..	32·6	24·0	19·5	22·7	46	..	1·5	..	10.0	0	3	27	0	6	5	2	2	0	6	9	1	0
	1730	,,	1008·1	982·3	..	30.7	23·1	19·4	22·5	52	..	1.3	..	5·4	0	0	23	2	4	4	1	0	0	3	9	8	0
	2030	,,	1010·6	984·3	..	26·0	21.6	18·7	21·6	66	..	1·1	..	3·5	0	0	17	0	5	7	1	1	1	0	2	14	0
	2330		1011·3	984·8	..	23·6	20·0	17·8	20·4	71	..	0.6	..	5·5	0	0	23	1	2	11	2	3	4	0	0	8	0
Himachal Pradesh Mandi	0830	761	1013·9	928·0	+0.5	16.5	14.8	13·7	15·6	85	−4	1.0	−0.9	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	1730	,,	1007·3	924·4	..	24.5	18.9	15·4	17·5	60	..	3.3	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0

( ) Register not received.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour.	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Himachal Pradesh —(*Contd.*)																											
Bilaspur	0830	587	1013·3	946·7	..	18·0	16.6	15·8	17·9	88	..	0·5	..	0·7	0	0	9	1	3	5	0	0	0	0	0	22	0
	1730	,,	1008·2	944·2	..	27·8	19·5	14·5	16·5	45	..	1·9	.	0 7	0	0	9	0	0	5	1	2	0	1	0	22	0
Jammu and Kashmir																											
Misgar (R)	0830																										
(R)	1730																										
Gilgit (R)	0830																										
(R)	1730																										
Skardu (R)	0830																										
(R)	1730																										
Leh	0530	3514	3157·5	669·6	..	−1·8	−4·8	−10·5	2·5	54	..	1·7	..	5·4	0	0	27	16	9	0	0	0	1	0	1	4	0
	0830	,,	..	..	..	7·4	3·0	−2·2	5·1	52	+6	1 6	−0·6	2·6	0	0	18	0	0	0	0	9	9	0	0	13	0
	1730	,,	..	..	..	12·1	4·0	−8 0	3.1	28	..	3 5	..	(c) 6·7	0	0	28	0	5	0	1	0	19	0	3	0	0
Srinagar	0830	1587	1538·7	845·0	+0·4	7·5	8·4	7·2	10·2	84	−2	2·0	+0·1	(a) 0·9	0	0	7	0	1	2	1	0	1	0	2	23	0
	1130	,,	1530·8	844·4	..	18.6	13·4	7·6	10·6	50	..	1·7	..	(a) 2·5	0	0	22	5	5	1	4	0	0	1	6	8	0
	1430	,,	1504·1	842·1	..	21·4	13·5	7·5	10 5	41	..	2·4	..	(a) 3·1	0	0	25	3	3	0	1	1	2	2	13	5	0
	1730	,,	1488·6	841.1	..	18·3	12·8	8·6	11·2	52	..	2·6	..	(a) 2·6	0	0	19	2	3	0	1	0	2	0	11	11	0
	2030*	,,	..																								
Srinagar (Aerodrome)	0530	1666	1518·7	835·4	..	8·9	6·6	4·4	8·4	74	..	1·6	..	1·8	0	1	6	1	0	0	0	2	1	0	3	24	0
	0830	,,	1529·4	836·7	..	11.8	8.5	5.3	8.9	66	..	2.2	..	2·5	0	0	16	1	2	0	3	1	0	2	7	15	0
	1130	,,	1524.3	836.4	..	17.9	11.4	5.6	9.1	46	..	2.3	..	3·8	0	0	20	4	1	3	1	0	0	1	10	11	0
	1730	,,	1492·5	833.4	..	19.3	11.8	5·4	8.9	41	..	3.0	..	5·4	0	1	22	1	3	1	1	2	0	4	11	8	0
	2330	,,	1515.0	835.3	..	12.2	8·5	5.0	8·7	62	..	1.7	..	1.6	0	0	10	0	0	0	0	0	2	3	5	21	0
Gulmarg	0830	2655																									
	1730	,,						Closed during Winter months																			
Qazigund . .	0830	1690	..	..	..	12·2	8·9	5·9	9·3	66	..	2·0	..	0·6	0	0	6	0	0	2	2	0	0	2	0	25	0
	1730	,,	..	..	..	18·7	12·5	7·5	10·4	49	..	3·3	..	1·9	0	0	13	0	0	2	1	2	3	4	1	18	0
Banihal . .	0830	..	..	..	..	12·5	9·4	6·7	9·4	70	..	1·5	..	5·8	0	2	6	0	0	0	0	0	0	0	8	23	0
	1730	..	..	..	..	19·3	13·6	9·3	11·7	55	..	2·6	..	10·1	0	1	25	0	0	0	2	5	1	0	18	5	0
Jammu	0830	366				22·1	17·5	14·6	16·6	62	+9	1·4	+0·5	5·5	0	0	31	7	12	3	0	0	0	0	0	0	9
	1730	,,				29·8	20·8	15·2	17·3	42	..	0·8	..	6·5	0	0	29	0	0	0	0	1	0	0	0	2	28
Jammu (Aerodrome)	0530	292	1009·9	976·3	..	21·1	16·6	13·2	15·2	61	..	1.1	..	3·7	0	0	14	1	10	3	0	0	0	0	0	17	0
	0830	,,	1011·0	977·8	..	23·8	17·8	13·2	15·2	54	..	1·4	..	4·4	0	0	19	0	10	8	1	0	0	0	0	12	0
	1130	,,	1010·4	978·0	..	29·6	19·6	12·5	14·5	38	..	1·9	..	6·9	0	2	19	1	1	1	5	6	5	2	0	10	0
	1730	,,	1007·9	975·4	..	29·9	20·0	13·6	15·6	39	..	2·3	..	3·4	0	0	14	0	2	0	0	4	0	6	1	18	0
	2330	,,	1010·4	977·1	..	23·6	17·6	13·3	15·3	54	..	1·2	..	4·0	0	1	8	0	6	1	2	0	0	0	0	22	0
Rajasthan West																											
Ganganagar . .	0530	177	1009·5	989·1	..	21·0	17·0	14·1	16·1	65	..	0·3	..	0·6	0	0	4	0	1	3	0	0	0	0	0	27	0
	0830	,,	1010 8	990·6	+0·1	23·2	18·0	14·2	16·2	58	−2	0·6	−0·1	2·4	0	0	22	0	0	9	8	0	5	0	0	9	0
	1130	,,	1010·3	990·7	..	32·3	21·0	13·5	15·5	33	..	0·7	..	2·6	0	0	19	0	1	3	6	2	3	3	1	12	0
	1730	,,	1007·2	987·6	..	33·3	21·6	14·2	16·2	32	..	0·5	..	0·6	0	0	7	1	0	4	0	0	0	1	1	24	0
	2330	,,	1009.7	989·6	..	23·9	18·4	14.6	16·6	57	..	0·2	..	1.4	0	1	4	0	1	0	4	0	0	0	0	26	0
Anupgarh (R)	0830	..																									
(R)	1730	..																									
Mahajan . .	0830	187	1010·4	989·2	..	25·7	23·1	21·6	25·8	80	..	0·5	..	(e) 4·3	0	0	26	1	0	4	6	4	11	0	0	0	0
	1730	,,	1006·7	986·0	..	34·3	25·5	21·3	25·3	47	..	0·1	..	(l) 5.2	0	0	19	3	3	0	1	2	7	0	3	0	0
Churu	0830	291	1011·6	978·6	..	23·9	17·2	11·9	13 9	49	..	0·8	..	7·9	0	1	25	1	0	5	2	4	6	8	0	5	0
	1730	,,	1007.4	975·6	..	32·9	19·4	8·3	10·9	25	..	1·1	..	9·6	0	1	29	8	1	5	0	0	2	9	5	1	0
Bikaner . . .	0830	224	1010.8	985·7	−0·1	24·8	18·0	12·2	14·2	47	0	0	−0·6	6·5	0	0	29	0	1	6	3	4	11	3	1	2	0
	1730	,,	1006·6	982·2	..	35·7	19 8	7·1	10·1	19	..	0·1	..	6·9	0	0	31	3	2	3	0	1	11	3	8	0	0
Bikaner P. B. O. .	0530	224	1009·3	983·7	..	22·4	17·1	13·1	15·1	57	..	0·3	..	4·4	0	0	18	0	3	1	1	0	12	1	0	13	0
	1130	,,	1009·9	985·6	..	33·7	21·6	13·6	15·6	31	..	0·4	..	6·6	0	0	28	1	1	2	4	3	14	1	1	3	1
	2330	,,	1009·3	984·1	..	26·4	18·0	11·4	13·4	42	..	0·3	..	3·5	0	0	17	2	1	2	1	3	8	0	0	14	0
Nagaur	0830	298	1010·9	977·9	..	29·3	21·4	16·4	18·6	47	..	0·2	..	7·8	0	0	31	1	0	4	2	6	10	6	2	0	0
	1730	,,	1006·3	974·2	..	35·1	24·8	19·7	22·9	38	..	0·9	..	6·2	0	0	31	3	2	2	0	4	8	7	5	0	0
Pholodi	0830	234	1011·2	984·8	..	24·8	19·1	15.1	17·1	56	..	0·4	..	7·3	0	1	28	2	2	0	3	6	14	2	0	2	..
	1730	,,	1007·8	982·3	..	35·9	22·2	13·4	15·4	27	..	0·5	..	7·9	0	0	31	3	3	0	1	3	10	8	3	0	0
Jaisalmer . . .	0830	242	1010·3	983·0	..	25·8	17·9	12·2	14·2	44	..	0·4	..	8·5	0	0	27	1	2	1	1	13	9	0	0	4	0
	1730	,,	006·2	980·0	..	36·2	28·4	25.1	31·9	55	..	0·1	..	8·3	0	0	31	2	2	0	0	10	11	6	0	0	0

(l) Mean of 19 days.
(e) Mean of 26 days.
(b) Mean of 30 days.
(c) Mean of 28 days.
(R) Register not received.
* Not recorded.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level.	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour.	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Rajasthan West—(Contd)																											
Jodhpur	0230	224	1009.1	984·1	..	30·0	20·3	13·8	15·8	38	..	0·1	..	3·5	0	0	28	0	5	0	0	1	9	11	2	3	0
	0530	"	1009·5	984·5	..	27·5	19·3	13·6	15·6	43	..	0·1	..	6·2	0	0	24	0	6	0	0	1	10	5	2	7	0
	0830	"	1011·8	986·3	+1·4	24·1	18·3	13.9	15·9	53	+2	0·2	—0·8	8·0	0	1	25	0	6	3	1	1	12	2	0	5	1
	1130	"	1011·1	986·3	..	31·4	21·3	14.7	16.7	37	..	0 2	..	13·1	0	2	29	0	3	2	0	2	15	5	4	0	0
	1430	"	1008·0	983·7	..	33·8	20·9	11·7	13.7	28	..	0·5	..	14·4	0	4	26	1	4	2	0	0	12	8	3	1	0
	1730	"	1007·2	983·0	..	35·2	21·1	11·2	13·3	24	..	0·6	..	12·2	0	3	28	0	5	0	0	1	14	10	1	0	0
	2030	"	1009·0	984·1	..	31·6	20·3	12·6	14·6	32	..	0·4	..	(a) 8·8	0	1	28	0	5	1	0	1	16	6	0	1	0
	2330	"	1009·7	984·8	..	30·4	20·0	12·7	14·8	33	..	0·1	..	7·8	0	1	29	0	6	0	0	1	9	13	1	1	0
Barmer	0530	194	1008·8	986·7	..	24·7	19·0	14·9	16·9	56	..	0·2	..	5·3	0	1	19	1	0	1	0	2	2	8	6	11	0
	0830	"	1010·8	988·7	—0.5	25·1	19·7	16·1	18·3	59	+3	0·4	—0·3	3·5	0	0	25	5	0	2	0	4	7	3	4	6	0
	1130	"	1010·3	988·8	..	33·4	22·3	15·2	17·3	35	..	0·2	..	5·2	0	0	31	0	2	1	1	7	14	4	2	0	0
	1730	"	1006·3	985·1	..	35·7	21·7	12·2	14 2	25	..	0 5	..	5·5	0	0	31	2	2	0	1	6	14	3	3	0	0
	2330	"	1009·0	987·3	..	29·8	20·2	13·7	15·7	39	..	0·1	..	6·5	0	0	31	0	1	0	1	2	5	16	6	0	0
Erinpura (Jawai Dam)	0830	295	1012·1	978·7	..	25·0	20·5	18·0	20·6	65	..	0	..	5·2	0	0	22	0	0	0	5	12	4	1	0	9	0
	1730	"	1008·1	975·5	..	30·8	23·0	18·9	21·8	50	..	0·8	..	2·5	0	0	20	3	4	0	0	2	4	6	1	11	0
Rajasthan East—																											
Pilani	0830	301	1012·0	977·9	..	23·6	17·8	13·6	15·6	55	..	0·9	..	10·8	0	3	28	1	0	4	4	3	10	8	1	0	0
	1730	"	1007·9	974·9	..	32·1	19·8	10·4	12·6	29	..	1·1	..	9·4	0	1	30	5	5	3	0	1	2	7	8	0	0
Sikar	0830	433	1011·1	962·6	..	24·5	18·6	15·1	17·1	54	..	0·5	..	1·4	0	0	21	0	0	3	1	0	2	11	4	10	0
	1730	"	1007·5	960·6	..	32·9	20·9	12·8	14·8	31	..	0·6	..	1·4	0	0	20	1	0	0	1	0	0	11	7	11	0
Alwar	0830	271	1010·7	980·3	..	24·9	20·9	18·3	21·0	68	..	1·2	..	0·8	0	0	8	1	1	0	1	0	1	3	0	23	1
	1730	"	1007·8	977·8	..	31·4	23·2	18·6	21·4	50	..	1·1	..	0·5	0	0	7	2	2	0	0	1	1	0	1	24	0
Jaipur (Sanganer)	0230	390	1009·6	965·5	..	22·0	16·3	11·7	13·7	54	..	0·7	..	2·8	0	0	18	7	0	3	1	0	0	0	7	13	0
	0530	"	1010·0	965·7	..	20·8	15·9	11.9	13·9	58	..	1·0	..	2·3	0	0	14	8	0	1	0	0	0	0	5	17	0
	0830	"	1011·3	967·5	—0.8	25·0	18·0	12·5	14·5	48	+1	1·0	0	3·7	0	0	20	2	0	4	2	0	0	3	9	11	0
	1130	"	1010·2	967·3	..	31·4	20·0	11·8	13·8	32	..	0·9	..	9·9	0	3	25	0	0	2	6	2	0	8	10	3	0
	1430	"	1007·1	964·7	..	33·6	19·7	8·8	11·3	24	..	1·6	..	11·2	0	4	25	2	1	4	3	1	1	4	13	2	0
	1730	"	1007·0	964·4	..	31·8	19 2	9·3	11·7	28	..	1·8	..	5·8	0	2	22	4	0	4	2	1	1	2	10	7	0
	2030	"	1009·3	965·8	..	26·0	18·3	12·7	14·7	45	..	0·9	..	2·1	0	1	10	1	1	6	0	0	0	1	2	20	0
	2330	"	1010·0	966·1	..	23·8	17·5	12·6	14·6	51	..	0·5	..	1·4	0	0	10	1	1	3	1	0	0	1	3	21	0
Dholpur	0830	176	1011·0	991·0	..	25.1	20·8	18·2	20·9	66	..	0·6	..	0·5	0	0	5	0	1	1	0	1	0	2	0	26	0
	1730	"	1007·2	987·6	..	30·3	23·0	19·0	22·0	52	..	1·1	..	0·8	0	0	4	2	0	1	0	0	0	1	0	27	0
Ajmer	0830	486	1011·6	957·6	—0·3	25·5	18·3	13·5	15·5	49	+2	0·4	—0·5	8·3	0	6	16	0	1	1	5	2	7	6	0	9	0
	1730	"	1007·3	954·6	..	31·9	19·2	10·6	12·8	28	..	0·9	..	5·1	0	0	26	1	2	3	0	0	6	10	4	5	0
Tonk	0830	272	1010·7	980·3	..	25·0	21·0	18·7	21·6	67	..	0·8	..	5·5	0	0	31	2	2	2	2	0	5	13	5	0	0
	1730	"	1006·2	976·3	..	33·2	25·6	22·5	27·3	53	..	1·5	..	5·3	0	0	31	0	2	1	1	2	1	13	11	0	0
Bhilawara	0830	425	1011·9	964·6	..	25·4	18·5	13·6	15·6	49	..	0·5	..	6·0	0	0	27	0	1	0	1	1	16	0	8	4	0
	1730	"	1007·7	961·6	..	32·9	19·8	10·1	12·3	26	..	1·0	..	6·0	0	0	25	1	5	0	2	0	6	3	8	6	0
Kota	0830	257	1011·3	982·4	—0·4	27·5	20·8	16·6	18·9	53	+4	0·4	—0.9	4·6	0	1	19	0	3	0	3	0	2	5	7	11	0
	1730	"	1007·6	979.3	..	32·3	21·9	15·5	17·6	38	..	1·5	..	2·9	0	0	15	0	5	1	1	0	3	0	5	16	0
Kota Aerodrome	0530	274	1009·7	978·8	..	24·1	17·3	12·5	14·5	52	..	0·9	..	7·9	0	1	29	3	4	1	0	1	6	13	2	1	0
	0830	"	1011·5	980·8	..	27·5	18·4	12·3	14·3	42	..	0·3	..	6·5	0	0	27	0	1	4	1	2	6	10	3	4	1
	1130	"	1011·0	980·9	..	32·3	20·0	11·3	13.4	27	..	0·4	..	7·7	0	1	29	4	3	7	0	1	0	5	10	1	0
	1730	"	1007·5	977·8	..	33·5	19·8	9·0	11 5	24	..	1·5	..	6·6	0	0	31	9	6	5	0	2	1	3	5	0	0
	2330	"	1010·2	979·4	..	26·8	18·1	11·1	13·2	40	..	0·9	..	7·5	0	0	29	3	2	4	1	1	10	8	0	2	0
Chambal (Rawat Bhatta Dam)	0830	351	1010·6	971·0	..	25·2	11·0	14 6	16·6	53	..	0·3	..	0·8	0	0	8	1	2	0	0	1	3	0	1	23	0
	1730	"	1005·9	967·3	..	32·9	20·0	10·6	12·8	27	..	1·3	..	5·1	0	0	29	2	9	1	0	1	8	2	6	2	0
Udaipur	0230	582	1011·5	946·1	..	19.9	16·4	14·2	16·2	69	..	0·3	..	0·3	0	0	1	0	0	0	0	0	1	0	0	30	0
	0530	"	1011·8	946·0	..	18·8	15·9	13·8	15·8	74	..	0·3	..	0·4	0	0	2	0	0	0	0	1	0	0	1	29	0
	0830	"	1012·3	947·7	+0·1	24·4	18·5	15·0	17·0	36	—1	0·1	—0·7	0·2	0	0	3	2	0	0	0	0	0	0	1	28	0
	1130	"	1010·6	947·6	..	31·5	20·0	12·8	14·8	33	..	0·2	..	4·0	0	0	21	2	3	1	2	5	4	3	1	10	0
	1730	"	1007·9	944·7	..	30·7	19·9	13·2	15·2	35	..	1·3	..	2·6	0	0	16	0	3	0	1	1	3	5	3	15	0
	2330	"	1012·0	946·8	..	21·4	17·0	14·2	16·2	64	..	0·5	..	0·3	0	0	2	2	0	0	0	0	0	0	0	29	0
Jhalawar	0830	321	1011·4	975.3	—0·4	25·0	18.8	14·6	16·6	52	—9	0·3	—1·1	1·0	0	0	12	0	2	1	3	2	1	2	1	19	0
	1730	"	1007·0	972·0	..	33.4	20·4	11·1	13·2	26	..	0·7	..	2·0	0	0	24	7	3	1	0	0	2	5	6	7	0
Banswara	0830	220	1012·0	987·2	..	26·7	20·4	16·3	18·5	54	..	0·5	..	5·6	0	0	29	1	1	6	9	4	3	3	2	2	0
	1730	"	1008·0	983·9	..	33·6	22·3	15·4	17·5	34	..	0·3	..	4·8	0	1	26		2	1	2	0	7	7	5	4	0

(a) Mean for 30 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh West—(Contd.)																											
Gwalior	0830	207	1009.5	985·8	..	21·1	17·1	14·2	16·2	66	..	0·9	..	1·3	0	0	9	0	0	0	2	2	2	2	1	22	0
	0530	"	1010·0	986·1	..	20·0	16·5	13·7	15.9	69	..	0·5	..	1·3	0	0	10	0	1	0	0	3	1	3	2	21	0
	0830	"	1011·3	988·0	−0 3	26·2	19·2	14·4	16·4	51	−8	(a) 0·6	−0·2	4·5	0	0	20	1	2	1	2	4	2	7	1	11	0
	1130	"	1010·5	987·6	..	31·6	20·5	13·1	15·1	34	..	1·3	..	8·5	0	2	28	1	3	4	2	1	1	3	15	1	0
	1430	"	1008·0	985·2	..	33·5	20·8	11·9	14·2	29	..	1.4	..	10.3	0	0	30	5	3	3	1	0	0	4	14	1	0
	1730	"	1007.8	984 9	..	31·3	20·8	13·9	15·8	36	..	1.4	..	5·4	0	0	30	5	7	2	1	0	1	3	11	1	0
	2030	"	1009.9	986·4	..	24·8	18·8	14·7	16·8	55	..	0·9	..	2·0	0	0	12	2	2	1	0	3	2	2	0	19	0
	2330	"	1010·2	986·6	..	22·2	17·7	14·5	16.6	63	..	1·0	..	2·1	0	0	10	0	0	3	0	2	2	2	1	21	0
Sheopur	0830	235	1012·1	985·4	+0.9	24·5	18·5	14·3	16·4	54	−1.3	0·5	−1·5	5·3	0	0	27	2	1	2	0	20	1	1	0	4	0
	1730	"	1007·4	981·6	..	33·2	21·1	13·2	15·1	31	..	1·3	..	6·6	0	0	26	9	1	3	0	1	2	8	2	5	0
Shivpuri	0830	464	1011·4	959·7	..	25·2	18·5	14 0	16·4	52	..	0·5	..	6·0	0	0	26	1	2	1	3	1	5	11	2	5	0
	1730	"	1007·8	956·9	..	29·6	19·4	12·8	15·1	38	..	1·4	..	4 8	0	0	24	1	7	3	0	0	1	8	4	7	0
Nowgong	0830	229	1011·6	985·3	−0.5	24·2	19.4	16·3	18·6	63	−6	0·9	−0.8	3·2	0	0	25	1	1	4	0	7	11	1	0	6	0
	1730	"	1007·8	982.5	..	31·8	21 7	15 3	17 7	39	.	1·3	..	2·3	0	0	23	4	6	2	0	0	1	2	8	8	0
Guna	0530	478	1011·5	957.0	..	18·2	15·5	13·9	15·9	71	..	0·7	..	3·4	0	0	23	0	2	3	11	3	2	1	1	8	0
	0830	"	1012 0	958·7	+0.2	25·1	19·0	15·2	17·5	55	−7	0·7	−0·5	5·2	0	0	29	0	0	7	4	7	2	6	3	2	0
	1130	"	1010·5	958·4	..	31.8	21·0	14·7	16·9	37	..	0.7	..	7.9	0	0	30	2	5	4	0	0	5	4	10	1	0
	1730	"	1007 9	955 6	..	30·3	20·4	14·5	16·7	40	.	0.9	..	6.3	0	0	31	12	6	1	0	0	2	6	4	0	0
	2330	"	1011·5	957 4	..	21.1	16·9	14·1	16.2	66	..	0·8	..	4·1	0	0	21	1	4	4	11	1	0	0	0	10	0
Nimach	0830	496	1012·5	957·2	+0·3	25·0	18·1	13·5	15·8	50	−5	0·2	−1·0	5·7	0	1	23	1	4	3	2	0	5	5	4	7	0
	1730	"	1008·5	954·7	..	32·4	19.3	10·4	12·9	27	..	1·0	..	8·9	0	1	29	1	8	0	1	0	7	4	2	1	7
Rajgarh	0830	382	1011·9	968·9	..	23.9	18·6	14·9	17·1	58	..	0 3	..	3·3	0	0	23	6	2	8	4	2	0	1	0	8	0
	1730	"	1007·2	965·6	..	33.1	21 1	13 2	15·2	31	..	1·1	..	6·6	0	0	31	20	0	1	0	0	0	5	5	0	0
Sagar	0830	551	1011 7	950 6	+0 3	24·9	18·2	14·0	15.9	51	−4	0 5	−1.3	2·5	0	0	23	0	1	2	0	0	3	11	6	8	0
	1730	"	1007·2	947·3	..	29·3	18·9	12·0	14 0	37	..	1·3	..	2·3	0	0	27	1	8	5	0	0	1	6	6	4	0
Ratlam	0830	486	1012·4	958.0	+1·1	24 7	18·4	14·5	16·5	56	−7	0.5	−2.1	5·6	0	0	26	2	6	5	2	0	3	6	2	5	0
	1730	"	1007·7	954·9	..	32 0	20·1	12.7	14·9	31	..	1·7	..	8·0	0	1	27	4	7	3	0	0	2	5	7	3	0
Bhopal (Bairagarh)	0830	523	1010 3	951 5	..	21.5	16·5	13·1	15·1	59	..	1·1	..	8·3	0	1	21	0	3	3	2	1	3	5	5	9	0
	0530	"	1011·1	952 0	..	19·9	15·7	12·7	14·7	64	.	1·1	..	3·0	0	0	14	1	3	1	1	4	0	2	2	17	0
	0830	"	1012·0	953·9	+0.2	25·3	18·3	13 9	15·9	50	−12	0·6	−1·2	7·9	0	0	26	1	1	6	3	2	0	3	10	5	0
	1130	"	1010 2	953·3	..	31·3	20·5	14 1	16·2	36	..	0 5	..	9·8	0	1	26	3	3	0	3	5	2	4	7	4	0
	1430	"	1007·1	950·1	..	33·0	20·2	11·8	13 8	28	..	1·9	..	11·3	0	0	30	7	4	1	1	1	3	4	9	1	0
	1730	"	1007.3	950 5	..	31·1	19·6	12·3	14·4	32	..	1·8	..	9·5	0	0	30	16	3	2	1	1	1	1	5	1	0
	2030	"	1010·1	952·2	..	25·9	18·1	12·9	14·9	45	..	1·5	..	4·5	0	1	14	5	5	1	2	0	1	0	1	16	0
	2330	"	1010·9	952·4	..	23·1	17·4	13·2	15·5	54	..	0·8	..	4·5	0	0	18	3	5	2	1	2	1	3	1	13	0
Ujjain	0830	489	1012·2	957·6	..	24·5	18.6	15·0	17 0	56	..	0·5	..	5·4	0	0	18	1	1	5	2	1	0	3	5	13	0
	1730	"	1007.3	954.2	..	32·1	22·0	16·4	19·0	40	..	1·7	..	7·7	0	3	24	7	5	0	1	1	0	4	9	4	0
Narsinghpur	0830	356	1012.2	972.0	.	24·1	18 7	15·0	17·1	57	.	0 8	..	1.8	0	0	28	0	6	0	5	3	10	4	0	3	0
	1730	"	1007·1	968·1	..	31·8	21·0	13 9	16·1	35	..	..	..	1·7	0	0	26	6	2	0	3	1	1	4	9	5	0
Hoshangabad	0830	302	1012 7	978·4	0	23·9	20 2	18·1	20·8	71	+3	0 5	−1·3	2·6	0	0	31	4	11	2	0	0	14	0	0	0	0
	1730	"	1007 5	974 3	..	32 1	24·2	20 0	23·8	50	..	1·3	..	2·4	0	0	31	5	10	1	0	2	12	0	1	0	0
Indore	0530	567	1011 3	947.2	..	19 3	14·7	11·3	13·4	61	..	0·7	..	7·0	0	1	23	0	5	3	0	0	9	0	7	7	0
	0830	"	1012·0	949·1	+0.5	25·0	17·7	12·7	14 9	48	−7	0 3	−1·3	8·6	0	1	26	2	2	4	1	3	3	3	9	4	0
	1130	"	1010 0	948 6	.	31·4	19·2	11·0	13·3	29	..	0·3	..	9·9	0	3	24	2	10	5	0	1	3	1	4	4	1
	1730	"	1007 0	945·7	..	31 1	18·5	9·7	12·0	28	..	1·7	..	10·5	0	3	26	3	12	3	0	2	4	1	4	2	0
	2330	"	1011 0	947·8	..	22·9	15 9	10·8	12·9	48	..	0 5	..	8·6	0	1	27	2	6	5	0	0	9	2	4	3	0
Rajpur (Jhabua)	0830	293	1012 6	979·7	..	24 6	19·7	16·7	19·0	60	..	0·4	..	3·9	0	0	19	0	0	7	0	0	1	11	0	12	0
	1730	"	1008·1	976·1	..	33·7	21·2	12 9	15·0	29	..	1·9	..	6·9	0	0	30	1	0	1	0	0	2	26	0	1	0
Chhindwara	0830	685	1011·9	936·0	+0·9	22·9	17·6	14·3	16·3	59	−11	0·6	−2·3	3·0	0	0	20	1	3	2	2	0	0	6	6	11	0
	1730	"	1007·1	933·1	..	29·3	18·6	11·4	13 6	34	..	2·0	..	8·1	0	0	30	11	1	6	0	1	0	5	6	1	0
Seoni	0830	619	1011·8	943·4	+0 4	24·2	18·6	15·1	17·4	58	−3	0·5	−1·4	3·0	0	0	21	2	5	2	1	2	6	1	2	10	0
	1730	"	1007·6	940·4	..	28·8	19·4	13·3	15·7	41	..	2·9	..	7·4	0	0	31	6	5	5	5	2	3	2	3	0	0
Betul	0830	653	1012·3	939 9	+1.0	23·2	17·9	14·5	16·6	59	−10	0.5	−2·5	1·6	0	0	19	0	2	4	11	1	0	0	1	12	0
	1730	"	1007·8	936·9	..	28·6	19·5	13 9	15·9	42	..	1·0	..	3·3	0	0	31	6	13	1	0	1	0	3	7	0	0
Khandwa	0830	318	1012·1	976·4	+0·4	26.2	18·9	13·7	15·9	47	−15	0·5	−1·3	2·7	0	0	26	1	3	1	4	5	6	3	5	3	0
	1730	"	1006 9	972·6	..	34·4	20·0	9·0	11·6	21	..	1·0	..	3·2	0	0	31	3	12	0	3	0	2	1	10	0	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres.	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperatu in °C: Dry bulb	Mean temperatu in °C: Wet bulb	Mean temperatu in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh East (*Contd*)—																											
Satna	0530	317	1010·1	973·8	..	20·0	18·0	16·6	19 0	82	..	0·7	..	1·9	0	0	12	1	0	3	0	0	0	7	1	19	0
	0830	,,	1011·6	975·9	+0·2	24·6	20·3	17·6	20.2	65	−2	1 0	−0.8	1·5	0	0	19	0	0	3	1	0	2	12	1	12	0
	1130	,,	1010·3	975·2	..	30 3	21·6	16 2	18·8	44	..	1.6	..	4·4	0	0	28	2	0	3	2	0	2	15	4	3	0
	1730	,,	1007·6	972·5	..	29·8	21.4	16 4	18 6	45	..	0·7	..	2·2	0	0	19	3	1	5	0	0	0	3	7	12	0
	2330	,,	1010·5	974·5	..	22·7	19 2	16 9	19 5	71	..	0·2	..	2·9	0	0	21	1	1	6	1	1	4	6	1	10	0
Rewa	0830	299	1011·4	977·7	..	25·6	20 7	17·8	20·5	63	..	1·2	..	3 0	0	0	30	3	2	2	2	2	7	7	5	1	0
	1730	,,	1007·6	974 5	..	30·5	21·5	16 0	18·3	44	..	1·1	..	3·7	0	0	30	11	4	1	1	0	2	3	8	1	0
Sidhi	0830	272*	1010·7	980 1	..	25·0	20·6	18 0	20·6	66	..	..	..	1·5	0	0	21	1	3	5	1	9	1	0	1	10	0
	1730	,,	1006·9	976·9	..	31·0	21·5	15·7	17·9	42	..	..	..	3·6	0	0	31	14	0	6	0	1	0	9	1	0	0
Umaria	0830	459	1011·8	960·6	..	25·0	19 8	16·9	19·3	61	−6	1·1	−1·3	2·2	0	0	20	3	2	3	1	1	5	2	1	11	2
	1730	,,	1007·6	957·3	..	29 5	21·0	16·3	18·5	46	..	1·2	..	2·4	0	0	26	4	3	3	0	1	6	6	3	5	0
Jabalpur	0530	393	1011.1	966·3	..	19·0	17·4	16·4	18·5	85	..	0·6	..	1·4	0	0	12	0	1	0	7	4	0	0	0	19	0
	0830	,,	1012·3	968·2	+0.7	24.4	19·7	16·7	19·1	63	−8	0·7	−1·0	2.9	0	0	29	1	1	1	3	19	2	1	1	2	0
	1130	,,	1010 3	967·2	..	31·1	21·6	15·8	17·4	41	..	1·0	..	4.1	0	0	27	1	4	2	0	3	6	6	5	4	0
	1430	,,	1007.0	964·4	..	33·5	21 5	13·7	15·9	32	..	2·2	..	4·8	0	0	31	9	4	1	0	3	1	3	10	0	0
	1730	,,	1007·6	964·5	..	30·5	21·3	15·5	17·8	41	..	2.0	..	2·8	0	0	25	10	6	3	2	1	1	0	2	6	0
	2330	,,	1010·9	966·6	..	22·1	18·8	16·5	19·0	71	..	0·4	..	1·5	0	0	10	0	4	0	1	2	0	3	0	21	0
Ambikapur	0830	611	1012 0	944·2	+0.9	23·2	20 1	18·4	21·1	75	−2	1·4	−1·0	2.2	0	0	19	1	3	3	3	4	3	1	1	12	0
	1730	,,	1007 9	941·1	..	26·8	20·6	17·2	19.7	56	..	1.8	..	2·1	0	0	25	10	4	1	1	2	0	2	5	6	0
Jashpur Nagar	0830	779*	1010 0	924·6	..	23·0	19·5	17·6	20·1	73	..	1.5	..	0·6	0	0	10	0	7	0	1	0	2	0	0	21	0
	1730	,,	1007 4	923·0	..	25·7	19·7	16·2	18.5	57	..	1 5	..	1·8	0	0	28	0	8	0	4	0	10	0	6	3	0
Pendra	0530	625	1011·2	941·1	..	19·3	17·1	15·6	17·9	80	..	1.5	..	1·8	0	0	15	2	0	2	0	7	2	2	0	16	0
	0830	,,	1011·9	942 9	+0·2	24·5	20·0	17·6	20·1	66	−1	1·4	−1·0	3·7	0	0	23	6	0	0	1	8	4	2	1	8	1
	1130	,,	1010·1	942 1	..	28·3	20·7	16·5	18·9	50	..	2·1	..	7·8	0	2	27	12	0	0	0	6	3	2	4	2	2
	1430	,,	1007 4	939·7	..	28·9	20·7	16·0	18·3	47	..	2.4	..	9·0	0	2	26	13	2	0	1	5	2	0	4	3	1
	1730	,,	1008.4	939.9	..	26.0	20.7	17·9	20·5	62	..	1·8	..	1·7	0	0	16	4	1	0	1	8	1	0	1	15	0
	2330	,,	1011·5	941·7	..	20·9	18·0	16·3	18·5	76	..	0·7	..	2·5	0	0	19	2	0	0	0	5	5	3	4	12	0
Mandla	0830	443	1012·7	962·7	+1.0	21·8	19 0	17·3	19·7	74	−8	0·3	−3·3	0·1	0	0	1	1	0	0	0	0	0	0	0	30	0
	1730	,,	1007·4	958 9	..	29·2	21·1	16·2	18·4	46	..	1·0	..	0·1	0	0	1	1	0	0	0	0	0	0	0	30	0
Champa	0830	245	1012·1	984·3	+0.8	24·7	22·1	20·7	24·4	79	0	1·3	−2·0	1·7	0	0	22	5	5	7	1	1	1	1	1	9	0
	1730	,,	1008·2	981·0	..	29·4	23·4	20·3	23·8	58	..	1·8	..	2·5	0	1	19	2	5	3	0	1	0	5	4	11	0
Raigarh	0830	220	1012·2	987·3	+1·5	26 5	22·3	20·0	23·5	68	−6	1·3	-2·4	3.5	0	0	31	0	22	2	1	0	5	0	1	0	0
	1730	,,	1007·9	983.4	..	29·6	23·1	19·5	22.9	55	..	2·0	..	1·3	0	0	14	4	8	0	1	0	1	0	0	17	0
Raipur	0530	298	1010·5	976·6	..	21·7	19 9	18·7	21·6	83	..	1·7	..	0·8	0	0	7	1	1	1	1	2	1	0	0	24	0
	0830	,,	1012·1	978 6	+0·7	25·9	21·4	18·9	21·7	66	−5	1·6	−0 7	3·5	0	0	20	2	5	2	3	2	3	1	2	11	0
	1130	,,	1010·5	977·6	..	31·2	22·3	17·1	19·6	44	..	1·7	..	5·8	0	0	29	5	4	4	5	3	2	3	3	2	0
	1430	,,	1007·5	974 9	..	32·7	21 6	14·4	16·7	35	..	2·4	..	5·1	0	0	25	6	6	1	3	0	4	1	2	6	2
	1730	,,	1007·8	974 9	..	30·3	21.6	16·4	18 6	44	..	2·4	..	4·3	0	0	26	6	7	1	1	2	4	2	2	5	1
	2330	,,	1010·4	976 8	..	24·6	20·4	18·0	20 5	67	..	1·0	..	3·7	0	0	22	0	4	8	2	1	4	2	1	9	0
Kanker	0830	402	1011·9	967 1	+0·8	25·5	21·4	19 2	22·1	69	−10	1·8	−1 5	0·3	0	0	3	0	2	1	0	0	0	0	0	28	0
	1730	,,	1007·5	963 5	..	29·7	22 4	18·2	21·0	52	..	1·7	..	0.8	0	0	8	2	5	0	0	0	0	1	0	23	0
Jagdalpur	0530	553	1010·4	948·4	..	19·8	18·4	17 6	20·1	87	..	2·4	..	1·9	0	0	11	0	9	1	1	0	0	0	0	20	0
	0830	,,	1011·5	950·3	+0.8	24·7	20·5	18·3	21·0	68	−11	1·8	−1·4	2 8	0	0	16	1	12	0	1	1	0	1	0	15	0
	1130	,,	1009·3	949·3	..	29·7	21·2	16·5	18·9	46	..	2·4	..	6·6	0	0	30	4	17	1	1	0	0	2	5	1	0
	1730	,,	1007 3	947·0	..	28·1	20·9	16·9	19·5	51	..	3·8	..	4·1	0	0	22	5	14	0	0	0	1	0	2	9	0
	2330	,,	010·6	919·0	..	22·3	19·6	17·8	20·4	78	..	1·1	..	2·8	0	0	14	0	7	2	1	2	0	0	2	17	0
Gujarat Region (including Daman Dadra Nagar Haveli)																											
Deesa	0830	136	1012.7	997·2	+0.8	24·9	20·3	16·9	20 0	65	..	1·2	..	4·5	0	0	30	1	7	7	9	1	1	0	4	1	0
	1730	,,	1008 0	993 0	..	35·3	20·5	9·5	12·0	22	..	0·1	..	7·3	0	0	31	1	2	0	2	3	11	4	8	0	0
Radhanpur	0830	30	1011·7	1008 4	..	25 7	22 7	21 1	25·2	76	..	0	..	2·7	0	0	26	1	1	3	0	5	11	2	3	5	0
	1730	,,	1008.3	1005·0	..	35·4	23·3	16·5	18·8	33	..	0	..	2·8	0	0	25	1	4	0	1	0	10	5	4	6	0
Idar	0830	219	1012.0	987.3	..	26.6	19.8	15.3	17.6	52	..	0.5	..	2.0	0	0	15	3	2	3	0	0	3	2	2	16	0
	1730	,,	1007.7	983.7	..	34.0	21.1	12.5	14.5	28	..	0 5	..	2.7	0	0	27	2	0	3	0	0	2	17	3	4	0
Ahmadabad	0230	55	1010·0	1003 6	.	24·4	20·0	17·2	19·7	65	..	0	..	5·8	0	0	21	2	3	1	0	0	4	7	4	10	0
	0530	,,	1010·2	1003·8	..	22·8	19·7	17·8	20·5	74	..	0	..	5·4	0	0	20	0	2	2	1	1	1	5	8	11	0
	0830	,,	1012.0	1005·7	0	25·7	21·4	19·0	22.0	68	+4	0·4	−0·9	7·8	0	0	26	2	3	6	0	1	1	3	10	5	0
	1130	,,	1011·9	1005.7	..	32.8	23·6	18·6	21·6	44	..	0	..	10·9	0	1	29	3	2	3	4	1	3	3	11	1	0
	1430	,,	1008 9	1002.8	..	36·0	23.5	16.4	18 8	32	..	0.4	..	9.7	0	0	30	2	2	3	0	3	4	7	12	1	0

(i) Mean of 22 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean Temperature in °C: Dry bulb	Mean Temperature in °C: Wet-bulb	Mean Temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from norma	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour.	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Gujarat Region (including Daman, Dadra and Nagar Haveli)																											
Ahmedabad—(*Contd.*)	1730	55	1008·2	1002·1	..	35·4	22·8	15·4	17·5	31	..	0·4	..	9·5	0	0	29	2	5	0	0	1	5	7	9	2	0
	2030	,,	1009·8	1003·6	..	28·4	21·5	17·5	20·0	52	..	0	..	2·1	0	0	6	1	0	1	0	1	2	0	1	25	0
	2330	,,	1010·5	1004·2	..	26·0	20·7	17·4	20·1	60	..	0·1	..	4·6	0	0	18	2	1	0	1	1	7	3	3	13	0
Dohad	0830	333	1012·0	974·7	+0·3	26·0	19·3	14 6	16·9	51	—19	0·5	—1·4	6·1	0	0	28	0	4	7	1	5	6	4	1	3	0
	1730	,,	1007·6	971·4	..	34·2	20 4	10 2	12 7	24	..	0 3	..	8·3	0	0	31	6	6	0	0	1	9	6	3	0	0
Vallabh Vidyanager	0830	44	1011·8	1006·7	..	24·0	20·8	18·8	22 0	74	..	0·1	..	4·5	0	0	28	4	6	2	2	3	2	4	5	3	0
	1730	,,	1008·0	1003·2	..	35·0	23·2	16 6	18 8	34	..	0·4	..	4·9	0	0	27	7	2	2	1	0	5	4	6	4	0
Baroda Aerodrome	0830	38	1012 1	1007·8	..	26·5	21·6	18·8	21 8	65	..	0 1	..	8·5	0	2	24	4	3	3	5	3	3	2	3	5	0
	1130	,,	1011 7	1007·5	..	33·0	23·9	18·8	22·2	45	..	0·1	..	9·7	0	4	22	6	8	1	0	0	4	2	5	5	0
	1730	,,	1008·0	1003·8	..	35·2	23 3	16·4	18·9	33	..	0 4	..	10 6	0	2	28	2	3	0	0	0	1	13	11	1	0
Baroda	0530	34	1010 3	1006·8	..	22·4	19·6	17·7	20·5	75	..	0	..	0·1	0	0	2	0	2	0	0	0	0	0	0	29	0
	0830	,,	1012·3	1008·3	+0·8	25·4	21·2	18 8	21·7	68	—6	0 2	—1·3	0·5	0	0	8	0	0	0	2	0	2	2	2	23	0
	1130	,,	1011·9	1008·0	..	34·1	24·7	18·4	21·8	41	..	0	..	1·5	0	0	18	0	6	5	0	0	5	1	1	13	0
	1730	,,	1008·3	1004·5	..	36·0	23·8	17·0	19·5	33	..	0	.	1.0	0	0	9	0	1	0	0	0	2	4	2	22	0
	2330	,,	1010 5	1006 5	..	25·8	21·0	18·3	20·9	64	..	0	..	0 6	0	0	6	1	0	0	0	0	3	2	0	25	0
Broach	0830	17	1011·5	1009·5	+1·0	24·7	20·4	17·8	20 5	67	—7	0·5	—1·4	4·0	0	0	31	1	12	0	0	3	10	0	5	0	0
	1730	,,	1007·5	1005·6	..	36·4	23 8	16·5	19·1	31	..	0 5	..	5·5	0	0	31	1	8	0	0	0	13	1	8	0	0
Surat	0530	12	1010·0	1008·7	..	23·9	21·3	19·7	23 2	79	..	0.3	..	7 2	0	0	31	0	7	0	21	0	3	0	0	0	0
	0830	,,	1012·2	1010·8	+0·7	26·0	22·0	19·7	23 2	70	+2	0.4	—1.8	5·4	0	0	26	0	11	14	0	1	0	0	0	5	0
	1130	,,	1012.1	1010·8	..	32·7	24·1	19·6	22·9	47	..	0·6	..	8·8	0	0	31	0	13	0	2	0	10	0	6	0	0
	1730	,,	1008·3	1007·0	..	34 1	24·3	19·1	22·4	42	..	0·5	..	8 6	0	0	31	0	1	0	0	0	16	0	14	0	0
	2330	,,	1010·7	1009 4	..	26·6	23·2	21·4	25·6	74	..	0	..	7.0	0	0	31	0	2	0	2	0	21	0	6	0	0
Saurashtra and Kutch (including Diu)																											
Naliya	0830	21	1011·8	1009·3	..	24·6	23·2	22·4	27·3	88	.	2·1	..	3·8	0	0	19	1	2	3	3	4	3	1	2	12	0
	1730	,,	1008·9	1006·5	..	31·3	25·0	21·8	26·6	60	..	1 0	..	12·0	0	1	30	1	2	0	0	3	17	7	1	0	0
Bhuj (Rudramata)	0230	80	1010·1	1000·9	..	23·6	21·7	20.5	24·4	85	..	0·4	..	4·5	0	0	14	1	0	0	0	0	8	4	1	17	0
	0530	,,	1010·2	1001·0	..	22·2	20·9	20·1	23·5	88	..	0·1	..	2·7	0	0	9	0	0	0	0	0	6	3	0	22	0
	0830	,,	1011·9	1002·8	+0.4	25·4	22·9	21·6	25·8	81	+24	0·5	—0.6	6·1	0	2	11	0	1	0	0	0	6	4	2	18	0
	1130	,,	1011·7	1002·8	..	32·9	24·3	19 8	23·2	47	..	0·1	..	11·0	0	5	17	3	3	0	1	0	7	4	4	9	0
	1430	,,	1008·8	999·9	..	36·6	25·1	19·2	22·9	39	..	0·3	..	15·0	0	8	21	1	6	0	0	2	8	9	3	2	0
	1730	,,	1008.3	999 7	..	34·8	24·9	19·7	23·4	44	..	0·5	..	16·6	0	9	20	2	4	0	0	1	10	8	4	2	0
	2030	,,	1010·2	1001·1	..	28·9	23·7	20·8	25·0	64	..	0·1	..	10·0	0	1	23	0	1	0	0	1	8	11	3	7	1
	2330	,,	1010·9	1001·7	..	25·6	22·7	21·1	25·2	78	..	0 1	..	6.1	0	0	18	1	0	0	0	1	8	7	1	13	0
Kandla (Aerodrome)	0830	35	1012·2	1008.3	..	26·5	22·4	20·0	23·8	70	..	0 5	..	9.8	0	5	18	3	3	0	0	0	9	2	6	8	0
	1130	,,	1012·1	1008·2	..	33·1	22·9	16·8	19·5	39	..	0·2	..	11·5	0	3	22	4	1	2	1	1	10	4	2	6	1
	1730	,,	1008 5	1004·7	..	34·9	21·9	13.0	15·7	29	..	0·4	..	20·5	0	21	8	4	0	0	0	7	15	2	1	2	0
New Kandla	0830	14	1012·4	1010·8	..	26·4	22·8	20·8	24·9	73	..	1·0	..	10·3	0	4	26	7	1	0	0	0	6	11	5	1	0
	1730	,,	1009·0	1007 4	..	33·3	23·4	17·6	20·8	42	..	0·5	..	20.6	0	12	19	2	3	0	0	3	13	10	0	0	0
Mandvi	0830	9	1012·4	1011·2	+1·3	25·9	23·5	22·3	26·9	82	+5	2·0	+0·2	10·0	0	4	23	3	4	0	0	3	2	5	10	4	0
	1730	,,	1009·5	1008 4	..	29·3	25·7	24·0	30·0	74	..	1·3	..	26·3	0	24	7	0	0	0	0	0	8	23	0	0	0
Surendranagar	0830	74	1012·0	1003·5	+0·7	26·8	22·5	20·0	23·8	68	+1	0·2	—1·5	7·9	0	0	26	2	3	1	1	0	1	10	8	4	0
	1730	,,	1007·9	999·7	..	36·1	22·5	13 9	16·1	27	..	0·5	..	5·4	0	0	25	3	3	0	0	0	1	14	4	6	0
Okha	0530	7	1010.7	1009·9	..	25·2	24·5	24·2	30 2	94	..	0·7	..	9·9	0	2	26	3	1	0	0	2	8	9	5	3	0
	0830	,,	1012·5	1011·7	..	26·2	24·9	24·3	30·4	89	..	1·0	..	9·6	0	2	25	4	1	0	0	5	7	7	3	4	0
	1130	,,	1012·9	1012·1	..	28·3	25·6	24·4	30·7	80	..	1·3	..	14·4	0	6	25	4	1	1	0	0	4	10	11	0	0
	1730	,,	1009·9	1009·1	..	28·0	25·9	25.0	31·7	84	.	0·8	..	16·5	0	11	20	1	0	0	0	0	2	14	14	0	0
	2330	,,	1011·8	1011 0	..	25·9	24·9	24·4	30·7	92	..	1·1	..	10·8	0	6	23	1	0	0	0	0	6	16	6	2	0
Jamnagar (Aerodrome)	*0530	20			..																						
	0830	,,	1012·9	1010·5	+1·4	25·8	23·6	22·5	27·3	83	+4	(c) 1·1	—0·4	(c) 7.2	0	0	19	1	2	0	0	0	8	8	0	9	0
	1130	,,	1013·5	1011·2	..	31·7	25·2	22·2	26·6	58	..	(d) 0·5	..	(d) 15·4	0	4	23	5	4	0	0	0	3	10	5	0	0
	1730	,,	1009·8	1007·6	..	31·6	24·5	20·5	25·0	55	..	(b) 0·5	..	(b) 20·3	0	16	13	4	4	0	0	0	0	14	7	0	0
	*2330	,,			..																						
Dwarka	0830	11	1012·2	1010·9	+0·3	26·6	24·8	24·0	29·8	86	+7	0·9	—1·0	8·5	0	2	27	5	0	1	1	2	3	15	2	2	0
	1730	,,	1009·6	1008·3	..	28·7	25·9	29·8	31.3	80	.	0·7	..	13·2	0	2	29	1	0	0	0	0	3	21	6	0	0
Rajkot	0530	138	1010·5	994·8	..	22·0	20·1	18·9	22·0	84	..	1·0	..	6·3	0	4	13	1	2	0	0	0	6	6	2	14	0
	0830	,,	1012·2	996·6	+1·0	24·8	22·0	20·4	23·5	78	+5	1·1	—0·6	11·5	0	8	15	0	3	1	0	0	6	6	7	8	0

*Data not recorded due to blackout restrictions.

(a) Mean of 30 days. (b) Mean of 29 days.

(c) Mean of 28 days. (d) Mean of 27 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Saurashtra and Kutch (including Diu)—(Contd.)																											
Rajkot—(Contd.)	1130	138	1011·8	996·5	..	32·4	22·7	16·9	19·6	41	..	0	..	14·3	0	7	22	3	7	2	0	0	4	4	9	2	0
	1730	,,	1008·1	993·0	..	35·1	21·7	12·6	15·1	27	..	0	..	21·2	0	17	13	3	6	0	0	1	5	3	12	1	0
Bhaunagar (Aerodrome)	0830	11	1012.2	1011·0	+0·6	26·8	21·6	18.5	21·6	62	+7	0·3	—1·9	10·4	0	3	26	6	5	0	0	1	1	5	8	2	3
	1130	,,	1012.1	1010·9	..	32·6	23·5	18·5	21·6	44	..	0	..	13·4	0	4	24	4	13	7	2	1	1	0	0	3	0
	1730	,,	1008·4	1007·2	..	34·5	22·4	14·6	17·1	32	..	0·6	..	18·2	0	14	17	0	6	10	7	8	0	0	0	0	0
Porbandar (Aerodrome)	0830	7	1012·3	1011·5	+1·4	26·2	22·6	20·4	24·4	74	—6	1·2	—0·6	7·2	0	2	26	9	4	2	3	1	2	1	10	3	0
	1130	,,	1012·3	1011·5	..	32·0	23·3	18·0	21·6	47	..	0·4	..	13·2	0	5	26	4	4	0		2	5	9	6	0	0
	1730	,,	1009·3	1008·5	..	30·7	23·8	19.8	23·8	55	..	0·5	..	20·6	0	17	14	2	0	0	1	0	1	21	6	0	0
Keshod	0830	51	1011·9	1006·1	..	25·0	21·6	19 5	23·1	74	..	0 8	..	9·0	0	1	28	9	12	2	0	1	2	0	2	2	0
	1130	,,	1011·7	1006·0	..	32·3	22·6	16 6	19·5	42	..	0·2	..	14·5	0	5	26	7	6	3		0	2	7	6	0	0
	1730	,,	1008·5	1002·8	..	33·5	22·1	14·4	17·4	35	..	0·5	..	22.3	0	20	11	1	3	1	1	1	6	15	3	0	0
Mahuva	0830	9	1010·8	1009·8	..	25·4	22·3	20·5	29·4	75	..	0·1	..	0·9	0	0	11	3	1	1	0	1	2	1	2	20	0
	1730	,,	1008·2	1007·2	..	31·8	25·5	22·5	27·6	59	..	0·6	..	3·2	0	0	25	0	2	1	6	9		0	0	6	0
Veraval	0230	8	1010.3	1009·4	..	23·8	21·9	20·8	24·7	84	..	0·4	..	10·8	0	2	29	21	1	1	0	0	2	1	5	0	0
	0530	,,	1010·2	1009·3	..	22·8	21·1	20 1	23 5	85	..	0 7	.	11·2	0	0	30	22	2	0	0	0	0	1	5	1	0
	0830	,,	1012·0	1011·1	+0·4	25.5	22·5	20·8	24·7	77	+11	1·3	—0·5	11·7	0	3	27	19	5	0	0	0	0	3	3	1	0
	1130	,,	1012·1	1011·2	..	32·0	24·5	20·2	24·6	55	..	0·5	..	17 2	0	9	22	5	5	1	0	2	1	10	7	0	0
	1430	,,	1009·6	1008·7	..	31·1	26·3	24·1	30·2	68	..	0·5	..	20·4	0	19	12	0	2	0	0	2	4	15	8	0	0
	1730	,,	1009·3	1008·4	..	29·1	26·1	24·8	31 3	78	..	0·9	..	18·1	0	14	17	0	0	0	0	2	5	15	9	0	0
	2030	,,	1010·8	1009·9	..	27·1	24·8	23·7	29 3	82	..	0·6	..	10.5	0	0	30	6	2	0	0	0	2	6	13	1	1
	2330		1011·3	1010·4	..	25·1	23·1	21·9	26 6	84	..	0·7	..	10·3	0	0	30	12	3	3	0	0	1	4	7	1	0
Konkan (including Goa)																											
Dahanu	0830	5	1011·0	1010·5	+0·4	26 5	23·2	21·4	25·6	75	—4	0	—3·0	8·8	0	0	31	1	2	12	15	0	0	0	1	0	0
	1730		1008·9	1008·4	.	31·0	27·1	25·5	32·6	73	..	0	.	17·1	0	8	23	14	0	0	0	0	1	7	9	0	0
Bombay (Santacruz)	2030	14	1009·4	1007·7	..	24·5	22.4	21·1	25·3	83	.	1·5	..	2·1	0	0	7	3	2	0	0	0	0	0	2	24	0
	0530	,,	1009·7	1008·0	..	23·8	22·0	21·0	25 0	85	.	1·5	..	1·9	0	0	7	2	3	0	1	0	0	0	1	24	0
	0830	,,	1011·6	1010·0	+0·3	27·7	23·4	21·1	25·3	69	—13	1·6	—1·5	2.6	0	0	13	1	1	7	4	0	0	0	0	18	0
	1130	,,	1011·2	1009·6	..	33.3	23·9	18·7	21·8	44	..	1·1	..	8·8	0	1	27	4	5	3	2	1	1	3	9	3	0
	1430	,,	1008·5	1006·9	..	33·4	25·0	20 8	24·7	49	..	0·9	..	15·1	0	2	28	3	1	0	0	0	0	4	22	1	0
	1730	,,	1008·2	1006·6	..	30·8	25·1	22 4	27·3	62	..	1·0	..	14·7	0	6	25	7	0	0	0	0	0	0	24	0	0
	2030	,,	1010·1	1008·4	..	27·8	24·3	22·6	27·6	74	..	0·5	..	6·6	0	0	23	13	1	1	0	0	0	0	8	8	0
	2330	,,	1010·5	1008·8	..	25·4	23·0	21·8	26·1	81	..	0·9	..	2·1	0	0	8	1	3	2	0	0	0	0	2	23	0
Bombay	0830	11	1011·5	1010·3	+0·2	27·0	24·3	23 0	28·3	79	—2	1·7	—1·4	6.0	0	0	31	3	6	17	2	0	0	0	2	0	1
	1130	,,	1011·4	1010·2	..	31·2	25 1	22·2	26·9	60	..	1·0	..	5·7	0	0	27	3	1	3	8	1	0	3	4	4	4
	1730	,,	1008·3	1007·1	..	29·4	25·8	24·2	30·2	73	..	1·1	..	11·7	0	1	30	4	0	0	0	0	0	4	23	0	0
Alibag	0830	7	1011·6	1010·8	+0·5	26·9	23·5	21.7	26.1	74	—2	0·9	—3·0	3·6	0	0	23	4	10	4	2	0	0	1	2	8	0
Bhira	0830	96	1011·1	1000·2	..	24·5	21.6	19 9	23 5	77	..	1·4	..	1·2	0	0	12	2	3	1	0	1	1	2	2	19	0
	1730	,,	1007·0	996·4	..	32·3	25·4	22 0	26 9	55	..	1·4	..	1·0	0	0	12	0	1	1	1	2	7	0	0	19	0
Harnai	0830	20	1011·2	1008·9	+0·9	27·8	24·0	22·1	26·7	72	—3	3·8	—0 5	4·7	0	0	20	6	2	7	2	2	0	0	1	11	0
	1730	,,	1008·1	1005·8	..	28·7	26·7	25 9	33·4	85	..	2·2	..	24·0	0	21	10	22	0	0	0	0	0	1	8	0	0
Ratnagiri	0830	35	1010·8	1006 8	—0·2	26·3	23·8	22·5	27·6	81	..	2·5	..	2·8	0	0	19	0	1	13	5	0	0	0	0	12	0
	1730	,,	1008·0	1004 1	..	29·8	25 8	24·0	30·0	72	..	1·7	..	7·6	0	0	31	2	0	0	0	0	0	14	15	0	0
Devgarh	0830	36	1011·0	1000·7	+0·4	26·3	24·3	23·3	28·8	84	0	2·9	—1·7	7·9	0	1	28	5	2	19	2	0	0	0	1	2	0
	1730	,,	1007·8	1003 8	..	29·9	26 6	25·2	32 1	76	..	1·7	..	17·0	0	4	27	0	0	0	0	0	0	7	24	0	0
Vengurla	2030	9	1009·6	1008·6	..	24·5	23·7	23·3	28 6	93	.	2·2	..	0 2	0	0	1	0	1	0	0	0	0	0	0	30	0
	0530	,,	1009·3	1008·3	..	23 8	23·2	22·9	27 9	91	..	2·5	..	0 8	0	0	6	6	0	0	0	0	0	0	0	25	0
	0830	,,	1011·4	1010·4	+0 7	26·1	24·3	23 4	28 9	85	0	2·0	—2 5	1·7	0	0	12	6	0	1	0	2	0	0	1	9	0
	1130	,,	1011·0	1010·0	.	31·2	25 8	23·3	28 8	64	.	1.5	..	5·7	0	1	29	0	0	0	1	4	13	6	1	1	0
	1730	,,	1008·1	1007·1	..	29 8	26·0	24 3	30 5	78		2·5	..	6·3	0	0	31	0	0	0	0	0	7	20	4	0	0
	2330	,,	1010·7	1009·7	.	25 5	24·4	23 9	29 7	91	.	2.9	.	2·0	0	0	12	8	0	0	0	0	0	1	3	19	0
Panjim	0530	60	1008·9	1002 1	..	24·8	24 0	23 6	29 1	93	.	2·5	..	3·7	0	0	18	0	4	11	3	0	0	0	0	13	0
	0830	,,	1011·1	1004·3	..	26·3	24·2	23·3	28·6	84	.	3·6	..	3·1	0	0	14	0	7	4	2	0	1	0	0	17	0
	1130	,,	1010·9	1004 2	..	31·2	25 6	22·9	28·3	63	..	3·0	..	7·7	0	0	27	0	3	1	3	0	5	11	4	4	0
	1430	,,	1005 3	1001·6	..	31·5	26 1	23·7	29·3	64	..	2·9	..	13·5	0	2	29	0	0	0	0	0	11	17	3	0	0
	1730	,,	1007 8	1001 1	..	29·8	25·8	24·1	30·0	72	..	3·6	..	12·1	0	2	29	0	0	0	0	0	5	15	11	0	0
	2030	,,	1009 8	1003·0	..	27·4	25·1	24·1	30·0	82	.	2·9	..	4·8	0	0	22	5	3	1	0	0	0	1	2	9	0
	2330	,,	1010·5	1003·7	..	26·5	24·8	24·0	30·0	86	.	2 5	..	2·5	0	0	16	2	9	3	2	0	0	0	0	15	0

Sub-Division and station	Hour of observation I.ST.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed in Km. per hour	Wind Speed (Km. p.h.): 62 or more	20 to 61	1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Konkan (including Goa) (*Contd.*)																											
Marmugoa	0530	62	1008.7	1001·8	..	25·7	24·5	23·9	29.7	90	..	3·1	..	7·7	0	0	23	2	8	9	1	1	0	0	2	8	0
	0830	,,	1010·5	1003·7	..	27·8	24·9	23·7	28·9	79	..	3·0	..	6·8	0	0	28	3	10	5	3	2	4	0	1	3	0
	1130	,,	1010·4	1003·5	..	29·8	25·4	23·5	28·8	70	..	2·5	..	10·5	0	0	31	0	0	0	0	2	13	9	6	0	1
	1730	,,	1007·3	1000·4	.	29·2	25.9	24·4	30·7	75	..	3·0	..	13·2	0	2	29	1	1	0	0	0	11	11	7	0	0
Dabolim (Naval Air Station)	0530	52	1009·8	1003·4	.	25·1	24·1	23·6	29.1	91	..	3.7	..	4·7	0	0	13	5	4	3	1	0	0	0	0	18	0
	0830	,,	1011·3	1005·5	..	27·5	24·7	23·4	28·8	79	..	4·0	..	6·5	0	1	20	5	8	4	3	0	0	0	0	10	0
	1130	,,	1010·9	1005·2	..	30·3	25·4	23·2	28·3	67	..	3·5	..	14·9	0	1	28	0	0	0	0	18	4	1	6	2	0
	1730	,,	1008.0	1002·3	..	29.7	25·5	23.6	28·9	71	..	3·9	..	18·7	0	11	20	1	0	0	0	0	11	13	6	0	0
	2330	,,	1010·5	1004·7	..	27·1	25·0	24·0	30·0	83	..	3·8	..	6·0	0	1	16	6	3	0	0	0	0	1	7	14	0
Madhya Maharashtra																											
Nandurbar	0830	206	1011·6	988·4	..	27·2	20·8	16·8	19·4	55	..	0·4	..	(e) 7·8	0	0	24	3	0	11	0	0	0	15	0	2	0
	**1730	,,	1007·4	984·9	..	34·6	22.4	14·4	17·1	31	..	0·9	..	(f) 7·2	0	0	23	6	0	5	0	0	0	20	0	0	0
Jalgaon	0830	201	1012·5	989·6	+0·9	24·6	18·9	14 9	17·1	56	—14	0·6	—1·7	7·0	0	2	21	0	1	7	3	1	2	8	1	8	0
	1730	,,	1007·3	985.4	..	35·1	20·9	10·9	13 2	24	..	2·0	..	8·2	0	3	18	1	1	3	0	7	3	4	2	10	0
Malegaon	0830	437	1012·0	963·1	0	24·8	18·4	13·8	16·0	51	—12	0·9	+1·7	4·2	0	0	31	2	6	0	2	1	6	8	6	0	0
	1730	,,	1006·9	959·7	..	34.2	20·6	10·9	13·2	25	..	2·3	..	9·9	0	1	29	8	6	2	0	1	1	3	9	1	0
Ozar	0830	608	1011.9	944.6	..	24.4	18.5	14·9	16.9	57	..	(k) 0.1	..	(k) 5.9	0	0	19	1	4	2	1	2	0	5	4	3	0
	*1130	,,	1010.1	944.5	..	31·4	19.8	12.4	14·6	32	..	(k) 0.1	..	(k) 12.6	0	2	19	1	2	6	4	1	0	2	1	0	4
	1730	,,	1007·0	941 5	..	31·4	20.2	13·0	15·5	35	..	(k) 0·8	..	(k) 15·1	0	9	11	0	6	5	0	0	0	3	6	0	0
Ahmednagar	0830	657	1012.0	939·7	+0.5	25·2	18·6	14·4	16·6	52	—12	2·0	—0·5	4·1	0	0	21	1	5	0	3	0	0	2	10	10	0
	1730	,,	1006·1	935·9	..	32·5	20·6	13·6	15·5	32	..	3·5	..	8.7	0	1	29	1	23	0	1	0	1	0	4	1	0
Poona Aerodrome	0230	593	1010·0	941·1	..	22·1	18.3	15·7	18·3	69	..	1·5	..	6·2	0	1	18	0	2	0	0	1	1	14	1	12	0
	0530	,,	1010·7	941·2	..	20·4	17·7	15·9	18·3	76	..	1·1	..	3.2	0	0	13	1	2	0	0	0	1	9	0	18	0
	0830	,,	1012.1	946·2	..	23·8	18·9	15·9	18·3	62	..	1·4	..	4·3	0	0	16	1	2	1	0	0	2	10	0	15	0
	1130	,,	1009·9	945·8	..	31·4	19·8	12·5	14·6	33	..	1·3	..	14·9	0	8	20	2	2	15	3	0	0	3	3	3	0
	1730	,,	1006·2	942·4	..	31·9	19·5	11.2	13·6	30	..	3·2	..	17·5	0	11	19	4	9	4	1	0	0	9	2	1	1
	2330	,,	1011.0	945·1	..	23.4	18·7	15·8	18·1	63	..	1·6	..	9.1	0	0	28	0	0	1	1	0	2	23	1	3	0
Poona	0530	559	1011·4	948·1	..	18·3	16·5	15·3	17·4	83	..	0·9	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	0830	,,	1012·2	950·1	+0·5	24·5	19·4	16·4	18·8	61	—13	1·1	—2·1	0·5	0	0	3	0	0	2	0	0	0	0	1	28	0
	1130	,,	1009·9	949.4	..	31·5	20·1	13·0	15·2	33	..	1·4	..	5.5	0	0	24	0	4	13	2	1	0	4	0	7	0
	1430	,,	1006·3	946·4	..	33·5	20·1	11·6	13·7	27	..	3·1	..	5·7	0	1	23	1	3	8	3	0	0	7	2	7	0
	1730	,,	1006·5	946·1	..	31·5	20·0	12·5	15·0	33	..	3·4	..	5·8	0	1	19	0	2	7	0	0	1	7	3	11	0
	2030	,,	1010·0	948·4	..	26.5	19·8	15·8	18·2	54	..	1·6	..	3.9	0	1	16	0	0	1	0	0	0	13	3	14	0
	2330	,,	1011·1	948·8	..	22·7	18·4	15·7	18·1	66	..	1·7	..	0·5	0	0	3	0	0	1	0	0	0	2	0	28	0
Jeur	0830	521	1011·6	953.8	+1.2	25·5	19·0	15·1	17·1	53	—18	2·1	—1·4	5·3	0	1	21	7	6	3	1	0	0	1	4	9	0
	1730	,,	1015·6	949·7	..	33·4	20·6	12·9	14·9	29	..	3·5	..	8·3	0	2	28	2	12	11	1	0	0	2	2	1	0
Baramati	0830	551	1012·0	950·9	+1·1	24·4	19·0	15·7	18·1	59	—13	1·3	—2·2	5·9	0	0	28	7	8	3	1	0	1	1	7	3	0
	1730	,,	1006.0	946·8	..	33·0	20·7	13·3	15·4	31	..	2·2	..	9 1	0	1	30	5	7	7	3	4	2	1	2	0	0
Sholapur	0530	479	1010·4	956·9	..	23.6	17·7	13·6	16·0	56	..	1·9	..	5·6	0	0	30	3	15	1	8	0	0	0	3	1	0
	0830	,,	1012·0	959.0	+0·9	27·0	19·8	15·6	17·8	50	—14	1·8	—1·3	6·4	0	1	30	1	14	0	8	0	1	1	6	0	0
	1130	,,	1009·7	957·8	..	32·6	20·8	13·8	15·9	33	..	1·8	..	8·1	0	1	29	5	9	2	8	1	2	1	2	1	0
	1730	,,	1006·1	954·5	..	33·5	20·0	11·2	13·5	26	..	2·4	..	11·4	0	4	27	12	12	3	2	0	0	0	2	0	0
	2330	,,	1010·0	957·0	..	26·6	17.7	11·4	13·7	39	..	1·6	..	9·2	0	0	31	5	7	8	7	0	0	1	3	0	0
Miraj	0830	554	1011·9	950·6	+0·7	24·5	19·4	16.5	18·8	61	—11	2·7	—1·3	..	..	..	..†	1	0	1	0	0	0	2	0	27	0
	1730	,,	1006·2	946·7	..	32·4	20·1	12·5	14·5	29	..	4·0	..	..	..	..	..†	1	0	10	1	0	0	4	1	14	0
Kolhapur	0530	570	1010·2	946·5	..	20·8	19·0	17·9	20·6	82	..	1·6	..	2·6	0	0	20	0	0	12	0	0	3	5	0	11	0
	0830	,,	1011·4	948.3	+0.4	24·8	20·2	17·7	20·2	66	—17	1·1	—2·2	4·0	0	0	24	0	4	14	0	0	0	5	1	7	0
	1130	,,	1009·5	947·9	..	31·2	21·9	16·8	19·5	43	..	0·9	..	6·6	0	0	28	0	5	18	3	0	0	1	1	3	0
	1730	,,	1006·1	944·6	..	30·9	21·9	17·1	19·7	46	..	2·1	..	8·1	0	0	30	1	4	14	1	0	0	9	1	1	0
	2330	,,	1009.9	946·8		23.9	20.8	19.2	22.2	76	..	2.1	..	4·2	0	0	25	1	2	7	0	0	1	12	2	6	0
Marathwada																											
Aurangabad	0830	581	1012.0	948.2	+0·6	27.3	18.6	12.9	15 1	42	—16	0 5	—2·5	2.6	0	0	14	5	3	3	1	0	2	0	0	17	0
	1730	,,	1006.6	944.3	..	32.9	18.8	8.7	11.5	23	..	2 7	..	4.3	0	0	25	10	8	2	0	0	0	2	3	6	0
Aurangabad (Chikalthan)	0230	579	1010.4	945.6	..	20.9	14.6	9.5	12·0	49	..	1.4	..	1.2	0	0	3	3	0	0	0	0	0	0	0	28	0
	0530	,,	1011·3	945·9	..	18·7	13·7	9·5	12·0	56	..	1·1	..	1.9	0	0	1	0	0	0	0	0	0	1	0	30	0
	0830	,,	1011·5	947·9	..	27·2	18·3	12·3	14·5	41	..	0·5	..	5·3	0	0	15	4	3	1	2	0	0	2	3	16	0
	1130	,,	1009·8	947·2	..	32·1	19.3	10·4	13·0	27	..	1·7	..	11·1	0	1	27	5	7	5	4	3	0	2	2	3	0
	1430	,,	1006·3	944·3	..	33·5	19·2	8·9	11·8	22	..	3·4	..	13·7	0	0	31	5	8	8	0	2	1	3	4	0	0
	1730	,,	1006·3	944·0	..	32·5	18·5	8·5	11·1	23	..	3·5	..	11.3	0	1	26	11	10	2	0	0	1	0	3	4	0

**Wind speed frequency for 23 days. *Observations for 21 days. (k) Means of 20 days. ( ) Mean of 26 days.

†Estimated (f) Mean of 25 days.

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Marathwada—(*Contd.*)																											
Aurangabad (Chikalthan)—(*Contd.*)	2030	579	1009·7	946.1	..	21·1	16·5	9·0	15·5	34	..	1·8	..	1·9	0	0	6	4	1	0	1	0	0	0	0	25	0
	2330	"	1011·1	946·5	..	22·2	14·7	8·6	11·2	42	..	1·3	..	1·6	0	0	4	1	0	0	0	0	0	1	2	27	0
Parbhani	0830	423	1012·4	965·2	+1·6	25·9	16·3	13·2	15·5	48	−19	1·2	−1·9	2·7	0	0	22	5	8	0	1	1	0	5	2	9	0
	1730	"	1007·1	961·2	..	32·9	19·9	10·3	12·7	26	..	2·6	..	7·5	0	0	26	5	14	5	1	0	0	0	1	5	0
Nander††	0830	358	1012·0	971·9	..	26·4	20·0	15·8	18·2	53	..	1·0	..	(n) 1·2	0	0	4	0	1	1	0	0	1	7	0	21	0
	1730	"	1007·7	968·5	..	32·2	21·1	13·8	16·0	33	..	1·3	..	(o) 3·8	0	0	10	2	3	5	2	0	3	3	0	13	0
Bir	0830	519	1012.7	955·1	..	25·3	19·5	16·1	18·4	56	..	0·8	..	2·8	0	0	18	0	0	0	9	0	3	0	6	13	0
	1730	"	1006·8	950·8	..	32·3	20·3	13·1	14·9	31	..	2·2	..	4·7	0	0	25	2	14	1	3	0	0	0	5	6	0
Vidarbha																											
Gondia	0830	313	1012·1	976·9	+0·9	25·2	21·2	18·8	22·0	68	−8	0.5	−2·4	1·5	0	0	19	5	4	3	2	2	1	1	0	12	1
	1730	"	1007·9	973·5	..	31·1	22·0	16·8	19·0	45	..	1·2	..	1·8	0	0	18	8	5	3	0	1	1	0	0	13	0
Nagpur (Sonegaon).	0230	310	1009·9	974·6	..	20·9	17·9	15·8	18·1	73	..	0·4	..	2·1	0	0	17	7	2	0	0	0	0	0	8	14	0
	0530		1010·7	975·1	..	19·3	17·1	15·6	17·7	79	..	1·0	..	1·5	0	0	12	5	1	0	0	0	0	1	5	19	0
	0830	"	1012·0	977·1	+0·3	25·8	20·1	16·5	18·4	57	−11	1·1	−1·3	2 6	0	0	16	7	5	1	0	0	0	0	3	15	0
	1130	"	1010·4	976·2	..	32·2	22·0	15·8	17·9	38	..	1·1	..	3·5	0	0	18	1	3	1	3	1	2	3	4	13	0
	1430	"	1007·1	973·2	..	33·7	21·8	14·3	16·4	31	..	2·5	..	3·6	0	0	20	5	6	2	3	1	0	0	3	11	2
	1730	"	1007·3	973·2	..	31·4	22·0	16·3	18·8	41	..	2·6	..	2·0	0	1	14	2	3	2	0	1	2	2	3	16	3
	2030	"	1010.2	975·3	..	25·2	19·5	15·8	18·1	56	..	1·4	..	2·0	0	0	17	2	6	3	2	1	1	1	1	24	0
	2330	"	1010·7	975·6	..	22·4	18·6	16·2	18·3	68	..	0·5	..	1.5	0	0	12	4	2	0	0	0	1	1	4	19	0
Amraoti	0830	370	1012·0	970·7	+0·6	27·0	18·8	12·7	15·1	43	−15	0·7	−1·7	4·0	0	0	30	2	13	4	2	0	5	2	2	1	0
	1730	"	1007·3	967·0	..	32·6	19·4	9·1	11·8	24	..	1·8	..	5.0	0	0	30	11	4	2	3	2	2	0	5	1	0
Akola Aerodrome	0530	309	1009·9	974·6	..	20·5	15·5	11·6	13·6	57	..	1·0	..	10·2	0	0	30	2	4	5	4	3	6	2	4	1	0
	0830	"	1011·5	976·7	..	25·5	18·6	13·8	15·9	49	..	1·3	..	8·7	0	0	31	2	4	5	1	3	5	0	3	0	0
	1130	"	1010.0	976·1	..	32·4	20·9	13·2	15·4	32	..	1·3	..	9·9	0	0	29	3	3	3	2	5	1	5	7	2	0
	1730	"	1006·2	972·5	..	34·1	20.0	9·3	11·8	22	..	3·0	..	10·1	0	0	31	8	7	0	1	0	2	5	8	0	0
	2330	"	1009·5	474·8	..	25·1	17·0	10·5	12·7	41	..	1·0	..	10·0	0	0	30	0	6	8	2	5	3	3	3	1	0
Akola	0830	282	1012·1	980·3	+0·4	25·4	19·3	15·2	17·4	53	−8	0·6	−1·8	0.2	0	0	3	0	0	1	0	0	0	2	0	28	0
	1730	"	1006.5	975·9	..	34·9	21·2	11·8	14·0	25	..	3·1	..	1·0	0	0	16	0	6	1	0	0	0	5	4	15	0
Bramhapuri	0830	229	1012.2	986·4	..	25·2	21·8	20·0	23·3	73	..	0·7	..	3·0	0	0	28	3	6	6	3	6	1	3	0	3	0
	1730	"	1007.6	982·4	..	31·9	22·5	16·8	19·5	42	..	1·3	..	5·9	0	0	31	2	14	6	4	4	0	1	0	0	0
Buldana	0830	650	1011·5	940·1	+1·4	25·9	18·2	13·0	15·3	46	−21	0·2	−3·2	9·3	0	0	29	5	1	3	4	6	3	0	7	2	0
	1730	"	1006·5	936·7	..	31·8	18·5	9·0	11·5	25	..	2·0	..	4·5	0	0	29	11	10	1	0	0	3	1	3	2	0
Yaotmal	0830	451	1011·2	961·1	+0·8	26·1	19·1	14·1	16·4	43	−18	1·1	−2·3	6·5	0	0	30	8	1	6	0	3	1	10	1	1	0
	1730	"	1006·8	957·5	..	31·6	20·0	11·7	13·9	30	..	3·4	..	5·4	0	0	30	19	2	9	0	0	0	0	0	1	0
Chanda	0830	193	1011·8	989·8	0	24·8	21·7	19·9	23.5	74	+1	1·2	−1·1	3·0	0	0	25	2	5	6	2	2	2	2	4	6	0
	1730	"	1007·6	986·2	..	30·9	24·1	20·6	24·4	55	..	1·7	..	3·2	0	0	29	0	6	16	6	0	0	1	0	2	0
Pusad	0830	334	..	..	..	24·8	20·4	17·8	20·4	66	..	0·3	..	6·0	0	0	24	2	2	0	0	0	3	4	13	7	0
	1730	"	1006·1	969·7	..	33·5	22·4	15·8	18·1	35	..	0·7	..	9·3	0	0	30	3	7	2	0	0	1	0	17	1	0
Sironcha	0830	123	1012·3	998.3	+1·6	26·3	22·5	20·4	24·1	70	−11	1·4	−2·5	2·1	0	0	29	0	6	0	17	0	2	0	4	2	0
	1730	"	1097·9	994·3	..	32·2	22·9	17·6	20·2	42	..	2·0	..	5·0	0	0	31	1	23	0	3	1	0	0	3	0	0
Coastal Andhra Pradesh																											
Kalingapatam	0830	6	1011·5	1010·8	+0·6	27·2	24·6	23·4	29·8	80	−1	2·4	−1·0	8·3	0	1	29	9	4	0	0	1	2	2	6	1	6
	1730	"	1008·7	1008·0	..	28.2	24·9	23·3	28·8	75	..	3·7	..	10·8	0	3	26	3	4	2	6	6	5	0	0	2	3
Vishakhapatnam	0230	3	1009·2	1008.8	..	25·3	23·8	23·1	28.3	87	..	2·1	..	0·9	0	0	5	2	1	1	0	0	0	0	1	26	0
	0530	"	1009·6	1009·2	..	24·8	23·4	22·7	27·6	88	..	3·2	..	1.1	0	0	6	1	0	1	1	0	0	0	3	25	0
	0830	"	1011·5	1011·1	+0·6	28·1	24·2	22·4	26·9	71	−6	3·0	+1·3	6·5	0	0	23	4	7	3	1	0	1	1	6	8	0
	1130	"	1010·5	1010·1	..	30·3	24·5	21·5	25·6	59	..	3·8	..	6·7	0	1	20	0	5	6	4	1	2	2	1	10	0
	1430	"	1007·8	1007·4	..	31·2	25·1	22·1	26·9	59	..	3·6	..	12·6	0	4	24	0	3	9	8	2	5	1	0	3	0
	1730	"	1008·4	1008·0	..	28·7	24·4	22·4	26·9	69	..	4·0	..	7·8	0	0	24	0	0	9	6	3	4	1	1	7	0
	2030	"	1010·6	1010·2	..	27·0	24·5	23·3	28·6	80	..	2·5	..	3·5	0	1	10	1	3	4	1	0	1	1	0	20	0
	2330	"	1010·5	1010·1	..	26·0	24 1	23·2	28·6	85	..	2·2	..	1·7	0	0	6	1	2	1	0	0	0	0	2	25	0
Kakniada	0830	8	1011·4	1010·5	+0 6	28·2	26·0	25·1	31·9	83	+6	3·5	−0·6	9·0	0	1	29	0	24	0	4	0	2	0	0	1	0
	1730	"	1008.1	1007·2	..	30·0	25·7	23·8	29·7	71	..	4·1	..	12·5	0	2	29	0	7	0	20	0	2	0	2	0	0
Nidadavole	0830	12	1011·3	1009·8	..	27·0	24·7	23·7	29·3	82	..	2·0	..	3·9	0	0	27	5	15	1	0	0	0	2	4	4	0
	1730	"	1007·7	1006·3	..	29·9	25·5	23·5	28·9	70	..	4·1	..	5·9	0	0	31	0	1	1	19	1	9	0	0	0	0
Rentachintala	0830	106	1011·4	999·4	..	27·2	22·4	19·8	23·2	64	−10	1·5	−3·6	0·7	0	0	11	0	0	1	1	5	2	2	0	20	0
	1730	"	1007·1	995·5	..	33·2	22·6	16·6	18·8	38	..	2·5	..	1·3	0	0	20	8	0	5	0	3	0	4	0	11	0
Gannavara	0230	24	1008·9	1006·1	..	24 9	23·9	23·3	28·8	91	..	1·7	..	3·3	0	0	16	7	0	4	0	1	1	1	2	15	0
	0530	"	1009·3	1006·6	..	24·3	23·5	23·1	28·3	3	..	2·0	..	3·7	0	0	22	7	4	4	2	1	0	2	2	9	0

††Wind speed frequency for 25 and 23 days. (n) Mean of 16 days. (o) Mean of 17 days.

Sub-Division and station	Hour of observation L.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (km. p. h.): 62 or more	Wind speed (km. p. h.): 20 to 61	Wind speed (km. p. h.): 1 to 19	No. of observation: Wind directions: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Coastal Andhra Pradesh (*contd.*)																											
Gannavaram (*contd.*)	0830	24	1011·3	1008·6	+1·3	28·3	24·6	22·9	27·9	73	—7	2·3	-2·1	7·0	0	0	27	5	3	8	1	2	4	1	3	4	0
	1130	,,	1010·3	1007·5	..	31·8	25·1	22·0	26·3	57	..	3·1	..	3·6	0	0	29	3	0	10	7	5	3	1	0	2	0
	1430	,,	1007·3	1004·7	..	32·5	24·8	21·0	25·0	52	.	3·5	..	11·7	0	0	31	2	0	10	13	5	0	0	1	0	0
	1730	,,	1007·9	1005·2	..	29·8	25·3	23·2	28·6	68	..	3·5	..	6·6	0	0	29	1	0	9	14	4	1	0	0	2	0
	2030	,,	1010·1	1007·4	..	26·7	24·7	23·8	29·7	85	..	2·3	..	4·5	0	0	20	1	0	13	2	2	0	0	0	11	0
	2330	,,	1010·2	1007·5	..	25·7	24·3	23·9	29·3	88	..	2·3	..	3·7	0	0	19	3	1	12	1	1	0	0	1	12	0
Nagarjunkonda (R)	0830	126																									
(R)	1730	,,																									
Masulipatam	0830	3	1011·3	1011·0	+0·5	27·8	25·1	23·9	29·7	79	—1	4·6	+0·8	3·2	0	0	29	5	4	5	1	3	5	3	3	2	0
	1730	,,	1008·1	1007·7	..	29·4	25·3	23·5	28·9	71	..	5·2	..	3·7	0	0	29	0	1	14	5	2	5	0	0	2	2
Ongole	0830	12	1011·1	1009·8	..	30·5	25·2	22·7	27·6	63	..	3·1	..	3.8	0	0	31	4	10	4	5	1	1	5	1	0	0
	1730	,,	1007·6	1006·3	..	30·7	25·2	22·5	27·4	63	..	3·3	..	4·1	0	0	31	0	6	18	7	0	0	0	0	0	0
Nellore	0530	20	1009·1	1006·8	..	24·9	23·8	23·3	28·6	91	..	1·3	..	1·5	0	0	15	2	5	2	6	0	0	0	0	16	0
	0830	,,	1010·8	1008·6	+0·3	27·7	24·7	23·1	28·7	74	—5	5·2	+0·2	3·7	0	0	27	1	4	1	8	1	1	2	9	4	0
	1130	,,	1010·3	1008·1	..	31·3	25·4	22·5	27·2	62	..	4·6	..	5·0	0	0	31	2	5	7	8	1	0	1	7	0	0
	1730	,,	1007·7	1005·5	..	30·0	25·6	23·6	29·3	69	..	5·3	..	7·6	0	0	30	2	13	0	14	0	0	1	0	1	0
	2330	,,	1010·1	1007·9	..	26·5	25·0	24·3	30·3	90	..	4·0	..	2·5	0	0	26	3	8	2	11	0	1	0	1	5	0
Telangana																											
Ramgundam	0830	156	1011·6	993·8	+1·0	25·1	21·7	19·7	22·9	71	—4	1·0	—2·8	1·4	0	0	12	7	1	1	0	2	0	1	0	19	0
	1730	,,	1007·3	990·0	..	33·2	23·1	17·5	20·0	39	..	1·6	..	2·5	0	0	28	5	15	3	0	0	1	1	3	3	0
Nizamabad	0830	381	1012·0	969·4	+0·7	25·6	20·6	17·5	20·2	62	—8	1·3	—1·3	0·5	0	0	4	2	0	0	0	0	2	0	0	27	0
	1730	,,	1007·3	965·8	..	31·9	21·9	15·8	18·1	38	..	1·1	..	3·0	0	0	20	12	2	6	0	0	0	0	0	11	0
Hanamkonda	0830	269	1011·0	980·9	—0·2	26·4	22·1	20·1	24·2	70	-3	0·9	—2·4	1·6	0	0	24	5	1	1	0	13	1	3	0	7	0
	1730	,,	1007·4	978·3	..	32·0	22·1	15·9	18·7	39	..	1·0	..	2·0	0	0	31	28	1	1	0	1	0	0	0	0	0
Hakimpet Aerodrome	0530	613	1010·0	941·8	..	21·8	18·8	17·0	19·5	75	..	2·6	..	4·1	0	0	17	1	3	3	5	3	2	0	0	14	0
	0830	,,	1010·7	945·3	..	26·6	21·3	18·5	21·3	62	..	3·4	..	6·6	0	0	24	2	3	2	8	4	4	0	1	7	0
	1130	,,	1009·3	943·1	..	30·7	21·5	16·3	18·9	43	..	3·3	..	12·7	0	0	29	2	8	8	5	1	1	1	1	2	2
	1730	,,	1007·1	940·9	..	29·8	20·6	15·5	17·5	42	..	3·7	..	11·2	0	0	30	8	15	5	2	0	0	0	0	1	0
	2330	,,	1010·2	942·6	..	24·4	19·3	16·4	18·5	61	..	1·7	..	6·5	0	1	20	2	4	8	6	0	0	0	1	10	0
Bhadrachalam	0830	111	1010·9	998·4	+0·5	27.0	23·6	21·9	26·3	74	—9	2·4	—2·6	1·9	0	0	29	0	26	0	2	0	0	0	1	2	0
	1730	,,	1007·2	994·5	..	32·3	24·8	20·9	24·7	52	.	3·3	..	2·5	0	0	30	0	30	0	0	0	0	0	0	1	0
Hyderabad (Begampet)	0230	445	1009·8	948·9	..	21·0	18·5	17·1	19·5	79	..	1·6	..	1·6	0	0	10	1	0	6	2	0	0	0	1	21	0
	0530	,,	1010·6	949·3	..	19·5	17·9	17·0	19·4	86	..	1·9	..	1·6	0	0	10	1	3	2	3	0	0	0	1	21	0
	0830	,,	1011·5	951.3	+0·9	25·7	20·4	17·5	20·0	61	—10	3.1	—0·3	3·3	0	0	18	1	4	1	7	3	0	1	1	13	0
	1130	,,	1009·7	950·6	..	31·0	20·8	14·8	17·0	38	..	2·9	..	9·5	0	1	30	0	12	5	5	1	1	0	5	0	2
	1730	,,	1007·0	948·0	..	30·3	19·9	13·5	15·6	36	..	3·6	..	8·6	0	0	31	8	17	5	1	0	0	0	0	0	0
	2330	,,	1011·1	950·3	..	22·5	18·9	16·9	19·1	71	..	1·5	..	3·6	0	0	20	3	5	10	2	0	0	0	0	11	0
Khammam	0830	112	1011·5	998·8	..	27·4	23·8	22·1	26·6	74	..	2·5	..	1·2	0	0	13	3	0	3	4	0	0	2	1	18	0
	1730	,,	1006·1	994·1	..	33·2	22·9	17·6	19·5	43	..	4·5	..	1·8	0	0	24	6	4	9	2	2	0	1	0	7	0
Mahbubnagar	0830	505	1010·8	955·1	..	27·2	20·8	17·1	19·9	55	..	2·6	..	6·6	0	0	24	0	5	13	0	1	1	2	2	7	0
	1730	,,	1006·6	951·8	..	30·9	20·2	13·8	15·9	35	..	3·8	..	6·1	0	0	27	3	21	3	0	0	0	0	0	4	0
Rayalaseema																											
Kurnool	0830	281	1011·0	979·5	+0·2	26·5	21·2	18·2	21·1	61	—11	1·5	—2·2	3·6	0	0	30	0	4	0	4	0	11	1	10	1	0
	1730	,,	1006·5	975·8	..	33·2	21·1	12·9	15·1	30	..	2·6	..	4·4	0	0	28	0	7	0	0	2	0	0	17	3	2
Anantapur	0530	350	1009·4	970·0	..	23·1	20·3	18·6	21·6	76	..	2·2	..	3·9	0	0	13	0	2	8	0	0	2	1	0	18	0
	0830	,,	1011·1	972·1	+1·0	27·0	22·3	19·7	23·1	65	—10	2·3	—2·2	3·5	0	0	13	0	3	6	0	0	1	2	1	18	0
	1130	,,	1009·5	971·2	..	31.6	23·3	18·7	21·8	48	..	3·0	..	5·8	0	0	21	1	6	10	0	0	0	1	3	10	0
	1430	,,	1006·1	968·1	..	33·4	23·5	17·9	20·9	41	..	3·6	..	8·5	0	0	25	3	10	12	0	0	0	0	0	6	0
	1730	,,	1006·1	967·9	..	32·4	23·4	18·4	21·4	44	..	3·5	..	10·3	0	0	29	2	17	9	0	0	0	1	0	2	0
	2030	,,	1008·7	970·1	..	29·1	22·5	18·8	21·8	54	..	1·7	..	6·3	0	1	18	0	9	10	0	0	0	0	0	12	0
	2330	,,	1009·6	970·6	..	26·8	21·6	18·6	21·6	61	..	1·5	..	8·7	0	1	21	0	5	13	4	0	0	0	0	9	0
Cuddapah	0830	130	1011·5	996·8	+0·5	28·4	23·3	20·7	24·4	64	—9	1·5	—2·7	0·5	0	0	3	0	0	3	0	0	0	0	0	28	0
	1730	,,	1007·2	992·7	..	32·0	24·1	20·0	23·5	50	..	2·8	..	3·4	0	0	22	0	1	20	0	0	0	0	1	9	0
Arogyavaram	0830	701	1011·	934·2	..	24·4	21·1	19·4	22·5	74	..	2·5	..	5·6	0	0	30	1	1	0	1	0	1	0	26	1	0
	1730	,,	1006·2	930·8	..	28·8	20·9	16·0	18·2	48	..	3·8	..	8·2	0	0	31	8	7	6	0	0	0	0	10	0	0

R) Register not received

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed, in Km. per hour	Wind speed (K.m.p.h.): 62 or more	20 to 61	1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Madras State—(including Pondicherry)—(*Contd.*)																										
Madras . . .	0830	6	1011·2	1010·5	..	28·0	25·6	24·6	30·9	83	..	4·3	..	5·0	0	0	25	7	1	0	4	2	1	8	2	6
	1730	,,	1008·0	1007·3	..	28·5	25·7	24·3	30·4	78	..	4·6	..	5·2	0	1	23	3	3	8	10	0	0	0	0	7
	2330	,,	1008·7	1006·9	..	25·5	24·3	23·7	29·5	90	..	3·0	..	4·6	0	0	23	1	0	0	1	3	1	11	6	8
Madras (Minambakkam)	0530	16	1009·1	1007·3	..	24·8	23·9	23·4	28·9	92	..	4·4	..	3·6	0	0	18	1	0	0	0	1	3	8	5	13
	0830	,,	1011·1	1009·3	+0·4	27·8	25·0	23·7	29·3	79	−1	4·3	−0·3	7·0	0	0	28	5	1	0	0	3	6	9	4	3
	1130	,,	1010·1	1008·3	..	31·1	25·1	22·2	26·9	61	.	4·4	..	8·3	0	0	28	6	2	5	0	4	3	5	3	3
	1430	,,	1007·5	1005·8	..	31·3	25·1	22·1	26·6	60	..	4·6	..	10·3	0	0	29	5	6	11	5	1	0	0	1	2
	1730	,,	1008·0	1006·3	..	29·0	24·9	23·0	28·1	71	..	4·5	..	10·6	0	0	31	4	6	14	5	1	0	0	1	0
	2030	,,	1010·1	1008·4	..	27·2	24·8	23·7	29·3	82	..	3·2	..	4·9	0	0	24	3	5	6	4	2	1	0	3	7
	2330	,,	1010·3	1008·5	..	26·1	24·5	23·8	29·5	87	..	2·9	..	3·6	0	0	18	6	1	0	2	3	1	2	3	13
Vellore . . .	0530	214	1009·7	985·3	..	22·9	21·5	20·8	24·4	88	.	2·6	..	0·1	0	0	1	0	0	1	0	0	0	0	0	30
	0830	,,	1011·5	987·3	+1·0	25·[illegible]	22·6	21·1	25·0	75	−5	3·3	−0·5	2·0	0	0	10	0	1	0	0	0	1	6	2	21
	1130	,,	1010·3	986·5	..	30·6	23·5	19·8	23·2	53	..	4·2	..	4·2	0	0	25	2	4	4	0	2	5	5	3	6
	1730	,,	1007·1	983·3	..	29·9	22·6	18·6	21·6	53	..	·8	..	8·4	0	0	28	1	5	11	8	3	0	0	0	3
	2330	,,	1010·9	986·7	..	25·7	22·5	20·8	24·7	76	..	·3	..	1·2	0	0	8	0	1	3	2	2	0	0	0	23
Tambaram Aerodrome	0830	29	1010·7	1007·5	..	27·9	26·0	25·2	32·0	85	..	4·5	..	8·3	0	0	28	4	1	0	1	1	4	9	9	3
	1730	,,	1007·8	1004·5	..	28·9	25·2	23·4	29·1	70	..	4·7	.	15·0	0	4	24	3	8	13	4	0	0	0	0	3
Tiruppattur . .	0830	390	1010·9	967·0	..	23·5	22·2	21·1	25·6	84	..	7·0	..	1·3	0	0	18	18	0	0	0	0	0	0	0	13
	1730	,,	1006·8	963·7	.	29·7	22·3	18·3	20·9	51	..	7·0	..	4·7	0	0	29	23	1	5	0	0	0	0	0	2
Mettur Dam R.S. .	0830	,,	..	..	..	26·7	25·5	25·0	31·7	90	.	3·3	..	—*	..	..	..	0	12	0	13	0	5	0	1	0
	1730	,,	..	..	..	28·7	27·5	22·0	26·4	90	..	3·8	..	*	..	..	..	0	13	0	5	0	13	0	0	0
Cuddalore . .	0530	12	1009·0	1007·7	..	24·7	24·1	23·8	29·5	95	..	4·2	..	0·1	0	0	1	0	0	0	0	0	0	1	0	30
	0830	,,	1011·1	1009·7	+0·4	27·5	25·2	24·2	30·0	82	+1	4·8	+0·2	4·3	0	0	26	0	5	0	6	0	8	1	6	5
	1130	,,	1010·2	1008·9	..	30·7	26·4	24·5	30·7	71	..	4·6	..	6·1	0	0	28	1	10	1	7	1	5	1	2	3
	1730	,,	1007·7	1006·4	..	28·9	26·5	25·[illegible]	32·6	82	..	4·5	..	6·4	0	0	28	0	10	3	15	0	0	0	0	3
	2330	,,	1010·4	1009·1	..	26·7	25·5	[illegible]	31·7	90	..	3·6	..	1·3	0	0	9	0	3	1	2	1	1	0	1	22
Kallakkurichchi	0830	127	1010·9	996·5	..	27·3	23·8	22·2	26·7	74	..	4·4	..	5·0	0	0	27	8	5	0	2	1	2	1	8	4
	1730	,,	1006·9	992·9	..	30·8	23·8	19·8	23·1	55	..	4·2	..	6·3	0	1	28	1	20	2	3	0	0	0	3	2
Salem . . .	0530	278	1009·7	978·0	..	23·5	21·5	20·4	23·9	86	..	3·7	..	0·4	0	0	3	0	1	0	0	1	0	1	0	28
	0830	,,	1011·2	980·2	+0·4	26·3	22·6	20·7	24·4	73	−5	5·1	+0·5	0·4	0	0	3	0	0	2	0	0	0	1	0	28
	1130	,,	1009·7	979·0	..	30·2	23·3	19·7	23·0	53	..	4·6	..	4·2	0	0	27	1	1	5	0	1	3	7	1	4
	1730	,,	1006·2	975·7	..	30·7	23·0	18·7	21·6	51	..	5·3	..	5·5	0	0	26	0	1	11	1	1	4	2	0	5
	2330	,,	1010·3	979·0	..	25·8	22·6	20·0	23·4	73	..	4·2	..	5·6	0	0	24	1	4	12	1	0	4	1	0	7
Coimbatore (Pilamedu)	0530	399	1009·8	965·0	..	22·7	22·0	21·7	25·9	94	..	4·1	..	5·1	0	0	15	1	3	2	0	3	4	2	0	16
	0830	,,	1011·6	967·0	..	25·0	22·7	21·5	25·7	81	..	4·5	..	6·7	0	0	18	1	6	1	0	5	2	2	1	13
	1130	,,	1009·9	966·1	..	29·4	23·3	20·1	23·7	58	..	5·0	..	10·8	0	2	23	1	9	4	1	7	2	0	1	6
	1730	,,	1007·0	963·2	..	29·3	22·6	18·6	21·9	56	..	5·1	..	17·0	0	11	19	0	10	4	1	9	5	0	0	1
	2330	,,	1010·6	966·0	..	24·1	22·7	21·9	26·3	88	..	3·4	..	11·9	0	1	28	0	3	2	2	11	9	0	1	2
Coimbatore . .	0830	409	1011·1	965·6	+0·2	25·4	22·7	21·2	25·2	78	−3	6·0	+1·7	6·0	0	0	31	0	6	4	1	7	10	2	1	0
Nagapattinam .	0830	9	1011·3	1010·2	+0·6	27·4	24·7	23·4	28·8	80	+1	5·4	+0·4	8·7	0	1	27	0	5	0	1	0	7	9	6	3
	1730	,,	1007·7	1006·6	..	29·5	25·2	23·3	28·6	70	..	5·7	..	12·2	0	4	26	1	12	2	7	1	4	2	1	1
Tiruchchirappalli .	0530	88	1008·7	998·7	..	24·7	23·5	23·0	28·1	90	..	4·5	..	4·7	0	1	12	2	1	0	0	2	2	4	2	18
	0530	,,	1008·9	998·9	..	24·2	23·3	22·8	27·7	92	..	5·1	..	6·8	0	0	18	2	3	0	0	2	0	8	3	13
	0830	,,	1010·9	1001·0	0	26·4	24·0	22·9	27·9	81	+2	5·4	+0·9	12·8	0	7	18	3	3	0	1	2	2	11	[illegible]	6
	1130	,,	1010·1	1000·2	..	29·6	24·5	22·0	26·4	64	..	5·5	..	12·8	0	6	21	2	5	2	0	0	4	10	4	4
	1430	,,	1007·0	997·2	..	31·5	24·5	21·0	24·9	55	..	5·7	..	8·6	0	4	17	2	5	3	0	1	2	6	2	10
	1730	,,	1007·0	997·1	..	30·1	24·4	21·5	25·9	62	..	6·0	..	6·8	0	1	18	1	1	8	2	3	2		0	12
	2030	,,	1009·7	999·8	..	27·2	24·2	22·8	27·7	77	..	4·2	..	10·3	0	4	19	0	3	7	8	3	1	0	1	8
	2330	,,	1010·2	1000·3	..	25·6	23·9	23·1	28·3	86	..	4·5	..	7·7	0	1	22	0	5	4	3	7	3	1	0	8
Vedaranniyam .	0830	4	1010·4	1009·9	..	27·7	25·1	24·0	29·8	81	..	2·4	..	2·0	0	0	29	1	3	0	2	1	21	0	1	2
	1730	,,	1007·0	1006·5	..	29·2	25·7	24·1	30·0	73	..	2·5	..	2·4	0	0	31	2	8	0	2	3	10	0	6	0
Atirampattinam .	0830	6	1010·2	1009·5	..	27·2	25·1	24·2	30·0	84	..	4·5	..	5·3	0	0	29	4	3	0	0	5	3	3	11	2
	1730	,,	1007·4	1006·7	..	29·1	26·1	22·5	29·8	78	..	4·5	..	10·1	0	3	25	1	2	1	3	17	3	0	1	3
Madurai . .	0830	133	1010·7	995·6	−0·3	26·5	23·8	21·0	27·3	79	+5	3·4	+1·7	4·0	0	0	24	7	1	0	0	1	1	2	12	7
Madurai Aerodrome	0530	131	1009·3	994·4	..	24·1	23·[illegible]	22·5	27·3	91	..	5·0	..	4·7	0	0	19	4	3	0	0	1	2	6	3	12
	0830	,,	1011·2	996·3	..	26·7	23·9	22·5	27·3	78	..	5·3	..	7·1	0	0	28	9	7	1	0	1	4	2	4	3

Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madras State—including Pondicherry)—(Contd.)																											
Madurai Aerodrome (Contd.)	1130	131	1010·0	995·3	..	30·1	24·1	21·1	25·0	60	..	5·0	.	9·0	0	1	30	6	10	3	0	2	5	1	4	0	0
	1730	,,	1007·4	992·7	..	29·2	23·7	20·9	24·7	62	..	5·9	..	13·2	0	5	26	0	11	8	5	4	1	1	1	0	.
Tondi	0830	5	1011·3	1010·7	..	27·3	24·6	23·4	28·8	80	..	5·0	..	6·0	0	0	21	4	3	1	0	3	5	3	2	10	0
	1730	,,	1008·0	1007·4	..	28·9	25·2	23·5	28·9	73	..	5·4	..	15·0	0	12	17	1	5	7	6	6	3	1	0	2	0
Pamban	0830	11	1011·0	1009·7	+0·4	27·5	25·8	25·0	31·9	87	+7	6·0	+2·4	7·0	0	1	28	2	2	3	2	7	5	4	4	2	0
	1730	,,	1007·9	1006·6	..	28·3	26·1	25·1	32·2	83	..	5·7	.	6·1	0	0	25	1	8	1	4	7	4	0	0	6	0
Tuticorin	0830	4	1011·4	1011·0	+0·9	27·6	24·8	23·5	28·9	79	+10	5·0	+1·2	4·8	0	8	23	0	3	4	8	10	3	2	1	0	0
	1730	,,	1007·9	1007.5	..	28·9	25·2	23·4	29·1	72	..	5·5	..	16·0	0	9	22	0	3	4	9	8	4	2	1	0	0
Palayankottai	0830	51	1011.2	1005.5	+0·9	27·7	24·0	22·2	26·7	73	+4	5·9	+1·5	5·2	0	1	29	19	0	1	1	2	1	4	2	1	0
	1730	,,	1007.6	1002.0	..	29·3	24·3	21·9	26·3	66	..	7·0	..	12·3	0	5	26	5	4	7	4	7	1	1	2	0	0
Kanniyakumari	0830	37	1011.0	1006.9	.	27·6	24·5	23·1	28·3	77	..	5·5	.	11·2	0	1	30	0	8	2	0	2	3	13	3	0	0
	1730	,,	1008.3	1004.2	.	28·7	25·0	23·5	29·1	77	..	5·9	.	13·1	0	5	26	0	2	2	1	1	5	19	1	0	0
Coastal Mysore																											
Karwar	0830	4	1011·4	1010·9	+0·8	27·1	24·9	24·0	29·8	83	−4	2·0	−3·3	4·0	0	0	31	0	8	9	1	0	0	7	6	0	0
	1730	,,	1008·0	1007·5	..	29·6	26·3	25·0	31·6	77	..	3·5	..	6·0	0	0	31	0	0	0	0	0	0	4	19	0	8
Honavar	0830	26	1011·3	1008·4	+0·2	26·4	24·3	23·2	28·4	83	−1	4·0	−0·9	2·3	0	0	26	0	6	16	1	0	0	3	0	5	0
	1730	,,	1008·4	1005·5	..	29·6	25·9	24·4	30·5	74	..	5·0	..	4·1	0	0	30	0	1	5	0	1	2	21	0	1	0
Mangalore (Bajpe)	0230	102	1009·2	997·6		24·7	24·0	23·6	29·1	94	.	3·4		0·9	0	0	4	0	0	2	1	0	0	0	1	27	0
	0530	,,	1009·5	997·9		24·2	23·6	23·3	28·6	95	..	4·1	.	2·3	0	0	13	0	2	7	3	0	0	0	1	18	0
	0830	,,	1011·3	999·8	..	27·1	25·0	24·0	29·8	83	..	4·2		3·5	0	0	20	0	2	15	3	0	0	0	0	11	0
	1130	,,	1010·5	999·2	.	31·0	25·8	23·5	28·9	65	..	4·3		5·7	0	0	28	1	0	0	3	2	2	5	2	3	3
	1430	,,	1007·7	996·4	..	31·2	26·0	23·6	29·3	64	..	4·0	..	14·5	0	0	31	0	0	0	0	0	2	22	7	0	0
	1730	,,	1007·8	996·5	.	28·9	25·6	24·1	30·0	76	..	5·3	.	11·9	0	0	30	0	0	0	0	0	1	20	9	1	0
	2030	,,	1010·2	998·7	..	26·7	25·1	24·4	30·5	87	..	4·3		5·6	0	0	21	0	0	4	1	0	1	3	11	10	1
	2330	,,	1010·7	999·1	..	25·6	24·5	24·0	29·8	91	..	4·5	.	2·4	0	0	10	2	0	4	3	0	0	1	0	21	0
angalore	0830	22	1011·3	1008·8	+0·1	27·4	24·8	23·6	29·1	80	−4	3·3	−1·5	4·3	0	0	31	0	2	20	3	0	2	1	2	0	1
	1730	,,	1008·2	1005·7	..	29·5	26·5	25·3	32·2	78	..	4·5	..	6·8	0	0	31	0	1	0	0	0	7	2	7	0	14
terior Mysore, North																											
Bidar	0830	664	1011·3	938·5	..	25·8	19·1	14·9	17·1	53	−17	1·9	−1·1	9·5	0	0	31	0	6	8	4	3	3	4	3	0	0
	1730	,,	1006·9	935·2	..	29·2	18·2	10·6	12·9	32	.	1·8		13·9	0	5	26	1	21	9	0	0	0	0	0	0	0
Gulbarga	0830	458	1011·6	960·2	+0·5	26·2	19·3	15·1	17·4	50	−16	2·6	0	3·2	0	0	14	1	3	8	1	0	0	1	0	17	0
	1730	,,	1006·0	956·6	..	32·9	19·4	10·5	13·7	26	.	3·1	.	4·1	0	0	30	3	21	6	0	0	0	0	0	1	0
Bijapur	0830	594	1011·9	946·1	+0·6	24·6	18·7	15·6	17·7	58	−10	2·3	−0·6	5·1	0	0	30	4	5	3	3	4	1	3	7	1	0
	1730	,,	1005·1	941·3	..	33·0	19·9	12·5	14·5	29	..	3·3	..	1·7	0	0	24	6	5	9	1	3	0	0	0	7	0
Raichur	0830	400	1010·2	966·9	+0·4	27·9	21·2	16·9	19·3	52	−18	2·8	+0·1	2·5	0	0	18	0	5	0	5	0	7	0	1	13	0
	1730	,,	1006.4	963.1	..	33·1	20·0	10.9	13·0	27	..	3·9	..	6·8	0	0	31	0	27	0	3	0	1	0	0	0	0
Belgaum	0830	753	1011·5	929·1	+0·6	23·4	20·4	18·9	21·8	77	0	2·3	−1·6	1·7	0	0	11	0	2	6	1	0	0	2	0	20	0
	1730	,,	1006·2	925·5	..	28·9	21.8	18·0	20·9	54	.	4·0	..	6·7	0	0	28	1	4	9	1	2	4	5	2	3	0
Belgaum (Samra)	0530	747	1010·5	927·5	..	20·0	18·4	17·5	19·9	86		2·3	..	1·4	0	0	10	1	1	3	2	0	1	2	0	21	0
	0830	,,	1011·4	929·6	..	23·9	19·8	17·6	20·0	69	..	3·0	..	4·5	0	0	22	2	10	5	3	0	0	1	1	9	0
	1130	,,	1009·3	929·0	..	29·7	19·3	12·7	14·8	36	..	3·0	.	10·0	0	0	31	4	8	12	5	1	0	0	1	0	0
	1430	,,	1005·8	926·3	.	31·4	19·3	11·2	13·6	29	..	4·2	.	8·0	0	0	30	3	9	8	2	0	1	4	3	1	0
	1730	,,	1006.3	926·2	.	29·6	20·0	13·9	16·3	41	.	4·1	..	7·7	0	0	31	4	8	5	1	1	2	7	3	0	0
	2030	,,	1009·8	928·1	..	24·2	20·9	18·8	22·4	75	..	2·7	..	6.7	0	0	29	0	0	4	0	0	4	19	2	2	0
Gadag	0530	650	1010·1	938·0	.	21·7	19·8	18·8	21·7	84	..	1·1	..	3·2	0	0	13	0	1	0	0	0	3	7	1	18	1
	0830	,,	1011·5	939·9	+0·6	24·4	20·7	18·7	21.6	71	−4	2·0	−2·1	3·9	0	0	28	5	0	11	1	1	1	6	3	3	0
	1130	,,	1009·2	939·3	..	31·2	20·9	15·0	17·1	38	..	2·1	..	7·0	0	0	26	1	9	8	3	0	0	1	3	5	1
	1430	,,	1005·8	936·5	..	33·0	20·4	12·7	14·8	30	..	3·5	..	6·5	0	0	27	4	11	5	0	0	0	0	1	4	6
	1730	,,	1005·9	936·3	..	31·8	19·8	12·2	14·3	31	..	3·8	..	4·5	0	0	30	7	14	5	1	0	1	2	0	1	0
	2030	,,	1009·1	938·3	..	26·7	19·4	14·7	17·1	48	.	1·3	.	4·8	0	0	22	0	2	11	2	0	0	6	0	9	1
	2330	,,	1010·2	938·8	..	24·7	20·0	17·3	20.0	65	..	1·7	..	5·7	0	0	22	0	1	7	1	0	3	9	1	9	0
terior Mysore, South																											
Bellary	0830	449	1011·2	961·3	+0·3	26·1	20·4	17·0	19·5	59	−10	0·2	−3·9	3·1	0	0	11	0	4	3	4	0	0	0	0	20	0
	1730	,,	1005·8	957·3	..	33·0	20·2	10·9	13·2	27	..	2·5	..	10·0	0	0	31	1	11	10	9	0	0	0	0	0	0
Chitradurga	0830	733	1011·1	930·7	+0·4	23·8	20·1	18·0	20·8	72	−3	2·4	−2·2	3·6	0	0	23	0	2	6	1	0	6	8	0	8	0
	1730	,,	1005·3	927·0	..	30·8	19·0	11·7	13·4	31	..	3.4	..	6·0	0	0	30	6	11	11	0	0	0	0	2	1	0
Shimoga	0830	571	1011·4	947·9	+0·7	22·9	21·1	20·2	23·7	86	0	5·9	−0·1	2·2	0	0	31	2	4	5	10	1	3	4	2	0	0
	1730	,,	1005·5	943·7	..	30·3	21·6	16·9	19·5	45	..	4·3	..	3·0	0	0	26	3	5	4	3	0	2	5	4	5	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p. h.): 62 or more	Wind speed (Km. p. h.): 20 to 61	Wind speed (Km. p. h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Interior Mysore, South—(*Contd.*)																										
Agumbe	0830	..	..	..	..	22·5	21·3	20·8	24·4	93	..	..	..	6.5	0	0	29	0	21	8	0	0	0	0	0	2
Balchonnur	0830	..	..	..	..	21·1	20·3	19·6	22·8	85	−7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hassan	0830	960	1520·7	907·2	..	21·3	19·4	18·4	21·0	83	+3	3·5	−1·4	3·5	0	0	31	9	0	5	0	4	3	9	1	0
	1730	,,	1496·1	903·3	..	28·4	19·1	13·2	15·3	40	..	5·4	..	3·5	0	0	31	11	8	5	0	1	2	2	2	0
Bangalore	0230	921	1501·7	909·4	..	20·9	19·0	17·9	20·5	84	..	1·5	..	4·5	0	0	23	1	3	13	4	0	2	0	0	8
	0830	,,	1522·2	911·2	+0·7	22·9	19·8	18·1	20·8	75	−6	3·9	−1·4	4·9	0	0	26	2	3	7	3	1	7	3	0	5
	1130	,,	1526·2	910·5	..	27·4	19·9	15·3	17·7	48	..	4·5	..	8·2	0	1	28	4	5	13	1	0	1	2	3	2
	1430	,,	1508·0	908·3	..	29·5	19·8	13·9	16·0	39	..	4·8	..	7·9	0	1	26	8	10	7	0	0	0	1	1	4
	1730	,,	1503·3	908·2	..	27·6	19·1	13·7	15·9	45	..	5·1	..	7·3	0	1	29	12	8	6	2	0	0	0	2	1
	2030	,,	1514·1	910·1	..	24·0	18·5	15·1	17·3	59	..	2·2	..	5·7	0	0	26	7	6	10	2	0	1	0	0	5
Bangalore Aerodrome	0530	897	1496·1	911·7	..	19·8	18·6	17·9	20·5	89	..	3·1	..	4·4	0	1	16	0	2	8	1	2	0	4	0	14
	0830	,,	1520·2	913·6	..	22·9	19·8	18·0	20·6	74	..	4·3	..	6·7	0	0	24	1	3	7	1	1	3	6	2	7
	1130	,,	1522·2	912·7	..	27·6	19·3	14·1	16·1	45	..	4·5	..	10·2	0	1	29	5	3	12	1	0	1	4	1	1
	1730	,,	1497·8	910·1	..	27·9	18·6	12·4	14·4	41	..	5·3	..	11·2	0	2	27	9	4	14	2	0	0	0	0	2
	2330	,,	1512·0	912·8	..	22·3	19·1	16·9	19·3	72	..	2·5	..	7·1	0	0	24	1	3	15	2	1	1	1	0	7
Mysore	0830	767	1011·4	927·2	+0·3	23·3	20·7	19·3	22·5	79	−2	3·3	−2·1	3·7	0	0	31	4	2	0	1	10	10	0	4	0
	1730	,,	1005·7	923·6	..	29·4	20·0	14·2	16·5	43	..	3·4	..	4·2	0	0	31	3	6	5	2	3	10	2	0	0
Kerala																										
Calicut	0530	5	1009·6	1009·0	..	25·1	24·3	23·8	29·5	93	..	2·9	..	6·0	0	1	24	1	4	18	2	0	0	0	0	6
	0830	,,	1011.6	1011·0	+0·3	27·6	25·3	24·3	30·3	82	−4	3·6	−1·6	2·8	0	0	18	0	2	9	1	2	1	2	1	13
	1130	,,	1010·9	1010·3	..	29·7	26·0	24·4	30·5	73	..	4·3	..	9·0	0	1	29	0	1	0	0	6	11	7	5	1
	1730	,,	1008·7	1008·3	..	29·4	25·9	24·4	30·5	75	..	5·4	..	8·7	0	1	30	0	1	0	0	1	10	6	13	0
	2330	,,	1010·9	1010·3	..	27·0	25·5	24·8	31·2	88	..	2·7	..	5·2	0	0	20	5	0	9	0	0	1	1	5	10
Palghat	0830	97	1011·6	1000·6	..	27·0	24·8	23.7	29·3	83	..	4·4	..	6·6	0	0	27	0	2	13	0	0	0	12	0	4
	1730	,,	1007·4	996·6	..	29·9	25·1	22·9	27·9	67	..	5·3	..	8·1	0	0	31	0	0	3	0	0	0	27	1	0
Fort Cochin	0830	3	1011·4	1011·1	−0·3	27·3	25·0	24·0	29·7	82	0	6·5	+1·7	5·2	0	0	31	2	14	12	0	0	0	1	2	0
	1730	,,	1008·3	1008·0	..	28·4	25·7	24·4	30·5	79	..	6·9	..	6·8	0	0	31	1	1	1	3	1	4	14	6	0
Cochin (Naval Air Station)	0230	3	1009·5	1009·2	..	25.3	24.1	23·6	28·9	90	..	5·5	..	1·7	0	0	6	1	0	4	0	0	1	0	0	25
	0530	,,	1009·6	1009·3	..	24.7	23·9	23·6	28·9	93	..	5·6	..	2·2	0	0	11	1	2	6	0	1	0	0	1	20
	0830	,,	1011·5	1011·2	..	27·2	24·7	23·6	28·9	81	..	5·8	..	4·7	0	0	28	2	4	9	3	0	1	0	1	11
	1130	,,	1011·2	1010·9	..	29·8	25·6	23·7	29·3	70	..	5·7	..	8·6	0	0	28	1	0	1	2	2	6	11	5	3
	1730	,,	1008·2	1007·9	..	28·8	25·4	23·8	29·7	75	..	6·6	..	11·3	0	0	31	1	0	1	1	4	5	13	6	0
	2330	,,	1011·1	1010·8	..	25·6	24·3	23·7	29·4	89	..	6·3	..	2·8	0	0	13	0	2	5	4	1	1	0	0	18
Alleppey	0830	4	1011·5	1011·1	+0·4	27·5	25·4	24·4	30·5	83	−2	4·9	−1·2	5·5	0	0	31	2	9	5	11	0	2	1	1	0
	1730	,,	1008·1	1007·7	..	28·9	25·7	24·3	30·4	77	..	6·3	..	18·0	0	14	17	1	2	0	0	0	2	8	18	0
Punalur	0830	34																								
	1730	,,																								
Trivandrum	0230	64	1009·4	1002·1	..	24·4	23·8	23·4	28·9	94	..	4·7	.	1·7	0	0	9	2	5	0	1	0	0	0	1	22
	0530	,,	1009·6	1002·2	..	24·1	23·5	23·2	28·4	95	..	4·8	..	3·3	0	0	26	5	11	2	2	0	2	2	2	5
	0830	,,	1011·5	1004·2	0	26·1	24·5	23·7	29·5	87	+2	5·3	−0·2	3·3	0	0	26	9	9	1	1	0	0	1	4	5
	1130	,,	1010·7	1003·5	..	29·3	25·2	23·3	28·6	71	..	6·0	..	5·4	0	0	29	7	2	1	0	1	4	6	8	2
	1430	,,	1008·2	1000·9	..	28.9	25·1	23·3	28·8	73	..	5.9	.	8·8	0	3	28	3	0	1	2	3	3	12	7	0
	1730	,,	1008·6	1001·3	..	27·6	25·6	24·5	30·7	83	..	6·8	..	5·0	0	0	29	2	3	1	2	2	4	6	9	2
	2030	,,	1010·9	1003·6	..	25·8	24·3	23·7	29·3	88	..	6·0	..	3·5	0	0	28	7	7	1	2	0	1	3	9	3
	2330	,,	1011·2	1003·9	..	25·0	24·0	23·5	28·9	92	..	5·8	..	3·7	0	0	26	7	11	0	3	0	2	1	2	5
Trivandrum Aerodrome	0830	8	1011·8	1010·9	..	27·4	24·7	23·5	28·6	80	..	5·8	..	9·4	0	5	14	9	3	1	0	1	1	0	4	12
Arabian Sea Islands																										
Amini	0530	4	1008·7	1008·3	..	26·5	25·0	24·4	30·4	88	..	4·0	..	6·9	0	3	12	5	0	1	0	0	0	2	7	16
	0830	,,	1010·8	1010·4	..	28·1	25·6	24·5	30·7	81	+2	4·6	−0·3	5·2	0	1	15	5	2	0	1	0	0	2	6	15
	1130	,,	1010·9	1010·4	..	30·1	26·6	24·5	30·7	72	..	4·5	..	8·0	0	1	26	9	5	1	2	1	1	1	7	4
	1730	,,	1007·9	1007·5	..	29·7	26·1	24·6	30·9	74	..	4·7	..	7·7	0	5	17	3	0	2	1	0	1	4	11	9
	2330	,,	1010·0	1009·6	..	27·4	25·5	24·6	31·1	85	..	3·5	..	9·3	0	4	18	3	0	0	1	0	1	4	13	9
Agatti (R)	0830	4																								
(R)	1730	,,																								

(R) Register not receive.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest isobaric level.	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal.	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal.	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Arabian Sea Island —contd.																											
Androth	0830	5	1011·3	1010·8	..	28·3	26·8	26·3	34·0	89	..	4·9	..	3·0	0	0	16	7	2	0	0	0	0	0	2	15	5
	1730	,,	1008·7	1008·2	..	28·9	27·4	26·8	35·4	89	..	4·6	..	2·3	0	0	13	2	0	0	0	0	0	0	10	18	1
Minicoy	0530	2	1009·4	1009·2	..	25·5	24·4	23·8	29·7	90	..	4·5	..	2·2	0	1	7	2	0	0	0	1	0	4	1	23	0
	0830	,,	1011·4	1011·2	−0·2	27·8	25·7	24·7	31·2	83	+6	5·0	+0·8	3·4	0	0	19	4	1	1	2	1	0	7	3	12	0
	1130	,,	1011·4	1011·2	..	29·6	26·4	25·0	31·9	77	..	5.1	..	5·3	0	0	22	3	0	2	2	1	2	7	5	9	0
	1430	,,	1009·1	1008·9	..	30·0	26.6	25.2	32.1	76	..	5·0	..	5.0	0	0	20	4	0	0	3	1	1	5	6	11	0
	1730	,,	1008·7	1008·5	..	28·7	25·9	24·7	30·9	79	..	5·2	..	4·0	0	0	19	2	1	1	1	1	1	4	8	12	0
	2030	,,	1010·6	1010·4	..	26·8	25·0	24·2	30·2	86	..	3·6	..	2·6	0	1	11	0	0	1	1	1	0	2	7	19	0
	2330	,,	1011·0	1010·8	..	26·2	24·7	24·0	30·0	88	..	3·8	..	2·8	0	0	12	3	0	1	1	1	0	4	2	19	0
Hill Stations excluding Kashmir																											
Dalhousie	0830	1959	1457·9	801·9	+1·1	16·7	13·7	11·6	13·6	74	+10	0·4	−0.7	0·1	0	0	1	0	1	0	0	0	0	0	0	30	0
	1730	,,	14.8·8	801·0	..	16·7	15·2	14·3	16·3	87	..	1·2	..	0	0	0	0	0	0	0	0	0	0	0	0	31	2
Dharmsala	0830	1211	1564·9	885·8	+1·5	21·9	16·0	11·8	13·8	55	+6	2·0	+0·8	1·4	0	0	19	6	6	3	1	0	1	1	1	12	0
	1730	,,	1559·2	885·2	..	22·8	17·0	13·1	15·1	57	..	4·5	..	2·0	0	0	31	3	1	0	0	3	15	8	1	0	0
Simla	0830	2202	1510·9	784·1	+0·3	14·3	10·5	7·2	10·1	64	+20	1·1	0	0 5	0	0	7	1	1	0	0	5	0	0	0	24	0
	1730	,,	1504·8	783 1	..	14·3	12·9	12·1	14·1	87	..	2·9	..	0·1	0	0	1	0	0	0	1	0	0	0	0	30	0
Lokpal	0830	..	..	..	..	−0·7	−3·7	−8 7	3·0	52	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Badrinath (R)	0830																										
Joshimath	0830	.	..	..	..	13.7	9·7	6 0	9·4	61	..	1.1	..	3·0	0	0	21	0	5	6	10	0	0	0	0	10	0
	1730	..	..	..	..	17·2	12·1	7·7	10·5	56	..	5.2	..	3·9	0	0	30	0	4	3	6	0	9	4	4	1	0
Mussoorie	0830	2042	1509·0	798·6	−1·0	14·5	10·8	7·5	10·6	66	+2	2·1	+0·5	1·5	0	0	18	2	0	0	7	8	0	0	1	13	0
	1730		1494 3	797·1	..	14·5	12·6	11·8	13·2	84	..	4·0	..	2·0	0	0	20	0	1	0	8	9	2	0	0	11	0
Mukteswar (Kumaun)	0830	2311	3159·5	775·2	+0.4	13·1	9·1	5·4	9·0	62	+5	1·9	+0·5	7·2	0	1	25	1	5	3	1	0	5	7	4	5	0
	1730	,,	3141·8	773·4	..	13·4	10·7	8·4	11·0	73	..	2·5	..	11·0	0	2	26	0	2	2	1	0	5	14	4	3	0
Nainital	0830	1953	1508·7	807·1	+0·7	15·7	10·9	6·8	9·9	56	−3	1·9	0	3·9	0	0	19	1	3	7	5	0	0	1	2	12	0
	1730	,,	1483·8	804·6	..	14·7	11·2	8·3	11·1	67	..	2·3	..	7·0	0	0	31	3	0	2	2	2	1	21	0	0	0
Kalimpong	0830	1209	1500·7	879·7	−2·0	19.7	18·6	17·9	20·4	90	+11	0·8	−2.2	6·6	0	0	31	0	0	0	4	0	3	0	24	0	0
	1730	,,	1483·5	877·7	..	20·5	19·2	18.5	21·3	88	.	0·7	..	5·5	0	0	31	0	0	0	25	0	4	0	2	0	0
Darjeeling	0830	2128	1541·8	794.0	+2·9	15·6	12 7	10·7	12·9	73	0	4·4	+0.1	0·6	0	0	6	0	0	0	0	1	1	1	0	25	0
	1730	,,	1521·4	791·6	..	13·9	12·2	11·0	13·1	83	..	5·2	..	0·2	0	0	1	0	0	0	0	0	0	1	0	30	0
Kohima	0830	1406	1513·6	863·9	.	18 6	17·4	16.7	19·0	89	..	3·5	..	2·0	0	0	31	0	0	0	5	0	0	0	26	0	0
*	1630	,,	1522·9	861·5	..	19·3	18·3	17·7	20·2	91	..	6·0	..	2·0	0	0	31	0	0	0	0	0	0	1	30	0	0
Shillong	0830	1500	1537·8	853·9	+1·8	20·4	16·8	14.2	16·2	69	−3	4.5	+1·1	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	1730	,,	1514·4	851·6	..	18.8	18·0	17.5	20.0	91	..	7·5	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
Cherrapunji (R)	0830	1313																									
(R)	1730	,,																									
Abu	0830	1195	1508·7	881 6	−1.6	21·7	15·1	9·9	12.2	48	0	0	−1·1	0·5	0	0	6	1	0	0	0	2	3	0	0	25	0
	1730		1495·0	879.8	..	24.7	15.9	9·2	11.6	38	.	0·1	..	0·8	0	0	8	2	2	0	0	2	2	0	0	23	0
Aijal	0830	..	..	..	..	21·4	20.1	19.5	22.7	88	..	5·3	..	4.8	0	0	31	7	0	20	0	2	0	2	0	0	0
	1730	..	..	..	..	22·0	20.4	19.6	22·8	86	..	6.2	..	6·1	0	0	31	11	0	4	0	4	0	12	0	0	0
Pachmarhi	0830	1075	1530 8	895·9	+0·4	23·3	16·2	10·9	13·2	47	−13	0·7	−1·5	2.4	0	0	24	0	3	1	2	4	2	0	12	7	0
	1730	,,	1511·5	893·5	..	25.9	16·9	10.3	12·7	39	..	2·0	..	2·5	0	0	27	0	6	1	0	0	1	3	16	4	0
Mahabaleshwar	0830	1382	1526 0	864·5	+0·9	20·7	11.7	9·9	12·3	51	−26	0·4	−3 4	10·8	0	0	31	0	27	1	1	0	0	0	2	0	0
	1730	,,	1505·6	862·2	..	24·2	18.0	13·7	16·1	53	..	1·9	..	10·3	0	0	31	0	27	0	0	0	0	0	4	0	0
Mercara	0830	1152	1516·5	886·9	+1·0	20 4	18.2	17·0	19·3	82	−5	2·6	−2·8	7·4	0	0	31	18	5	3	0	0	0	3	2	0	0
	1730	,,	1495·8	881·3	..	23.4	20·4	18·8	21·8	73	.	5·0	.	6·0	0	0	27	3	3	1	0	1	1	3	11	4	4
Doracamund	0830	2249	1518·5	780·9	+1·2	13·9	11 9	10·6	12·6	81	+2	3·2	−1·6	3.0	0	0	22	7	14	1	0	0	0	0	0	9	0
	1730	,,	1478·5	778·5	..	15 6	13 5	12.1	14·1	80	..	5·0	..	1.2	0	0	16	14	11	1	0	0	0	0	0	15	0
Coonoor†	0830																										
Kodai anal	0830	2343	3158·6	772·1	+0·9	13·7	11·7	10·1	12·4	81	+1	6·0	+1·2	10.4	0	0	27	15	7	0	1	0	0	1	5	2	0
	1130	,,	3164·4	772·0	..	16·0	12·8	10.3	12·7	71	..	6.3	..	11·3	0	0	28	11	7	1	1	0	0	0	8	3	0
	1730	,,	3139·9	770·3	..	13·6	11·9	10·5	12·7	83	..	6·1	..	9·1	0	1	27	12	4	0	2	0	0	1	9	3	0
Nepal																											
Katmandu	0830	1324	1523·0	870.3	..	15·8	14·8	14·2	16·3	91	..	4·1	..	0·3	0	0	2	0	0	1	1	0	0	0	0	29	0
	1130	,,	1515·2	869·0	..	22·7	17·2	13·6	15·6	57	.	2·9	.	1·6	0	0	15	1	1	5	6	1	0	0	1	16	0
	1730	,,	1498.3	867·5	..	19·7	16·9	15·1	17·2	76	..	3·9	..	0·5	0	0	3	0	0	1	2	0	0	0	0	28	0

(R) Register not received. †Data not available. *Due to Disturbance in Naga Hill and Curfew.

Sub-Division and station	Hour of observations I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean Temperature in °C: Dry bulb	Mean Temperature in °C: Wet bulb	Mean Temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hill Station (excluding Kashmir—*Contd.*																											
Lachen	0830	..	..	..	..	(b) 10.8	(g) 7.3	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hydrometeorological Observatories																											
Damodar Catchment																											
Tilaiya	0830	..	..	..	..	26·2	22·2	20·1	23·5	70	..	1·4	..	2·7	0	0	21	3	0	5	5	0	3	1	4	10	0
	1730	..	..	..	..	27·1	21·8	19·0	22·0	62	..	1·7	..	2·7	0	0	19	4	0	3	3	0	0	4	5	12	0
Hazaribagh	0830	615	1010·9	942·9	..	24·3	21·2	19·7	22·9	76	..	1·6	..	2·0	0	0	15	0	0	2	3	2	3	3	2	16	0
	1730	..	1008·5	940·2	..	23·5	21·2	20·0	23·4	81	..	2·2	..	0·4	0	0	2	0	0	1	0	0	1	0	0	29	0
Konar	0830	..	..	..	..	20·3	17·9	16·4	18·6	78	..	0·5	..	4·0	0	0	31	0	0	2	3	0	1	18	7	0	0
	1730	..	..	..	..	22·4	21·2	20·5	24·1	89	..	0·3	..	4·3	0	0	31	0	0	2	3	0	0	21	5	0	0
Bokaro	0830	242	1010·5	983·3	..	25·0	22·2	20·7	24·4	77	..	1·8	..	1·8	0	0	18	0	0	1	2	2	4	5	4	13	0
	1730	,,	1007·6	980·6	..	26·0	22·9	21·3	25·3	76	..	2·1	..	2·0	0	0	17	3	5	3	2	0	0	0	4	14	0
Maithon	0830	..	..	..	..	28·0	23·8	21·7	25·9	69	..	2·2	..	4·0	0	0	31	3	4	0	4	2	8	2	8	0	0
	1730	..	..	..	..	29·3	24·2	21·8	26·1	64	..	2·3	..	3·4	0	0	31	1	10	0	6	0	6	1	7	0	0
Ramgarh	0830	..	..	..	..	24·8	22·2	20·8	24·6	78	..	3·0	..	4·4	0	0	31	4	2	5	2	1	[illegible]	10	5	0	0
	1730	..	..	..	..	26·8	23·0	21·1	25·0	71	..	2·9	..	3·6	0	0	31	9	2	6	1	2	1	7	3	0	0
Panchet Hills	0830	..	..	..	..	27·0	23·5	21·8	26·1	73	..	1·9	..	1·5	0	0	12	0	3	0	4	0	4	0	1	19	0
	1730	..	..	..	..	27·6	23·6	21·6	25·8	71	..	2·2	..	0·7	0	0	6	0	4	0	2	0	0	0	0	25	0
Durgapur	0830	..	..	..	..	27·2	23·6	21·9	26·3	73	..	1·8	..	4·2	0	0	26	2	2	7	4	6	1	1	3	5	0
	730	..	..	..	..	28·0	23·6	21·4	25·5	68	..	4·6	..	4·2	0	..	29	3	3	8	6	7	1	0	1	2	0
Mahanadi Catchment																											
Ginabahar	0830	..	..	..	..	24·2	20·8	19·1	22·0	73	..	..	..	..	.	..	..	.	..	..	.	..	..	..	..	..	.
Hirakud	0830	159	1011·6	993·7	..	27·4	23·5	21·5	25·6	71	..	1·5	..	1·0	0	0	10	0	1	4	3	1	1	0	0	21	0
	1130	,,	1010·3	992.6	..	30·5	24·3	21·3	25.3	78	..	2·0	..	2·2	0	0	22	6	1	5	0	2	2	3	3	9	0
	1730	,,	1007·8	990·1	..	29·6	23·6	20·6	24·3	59	..	1·4	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
Bhimkund	0830	..	..	..	..	25·3	22·9	21·7	25·9	79	..	2·8	..	0·6	0	0	7	2	0	0	0	0	2	0	3	24	0
	1730	..	..	..	..	26·8	23·3	21·5	25·6	74	..	3·8	..	0·4	0	0	6	0	1	0	1	0	3	0	1	25	0
Sonepur	0830	..	..	..	..	27·3	24·5	23·2	28·4	78	..	..	..	4·3	0	0	19	2	1	7	1	1	0	7	0	12	0
Khijrawan	0830	..	..	..	..	24·7	20·7	18·4	21·1	68	..	..	..	3·2	0	0	26	1	1	2	10	2	9	1	0	5	0
	1730	..	..	..	..	29·2	21·0	15·7	19·3	46	..	..	..	4·8	0	0	30	5	7	0	4	0	4	0	10	1	0
Narmada Catchment																											
Bhagra Tawa	0830	..	..	..	..	24·4	19·2	16·0	18·1	60	..	0·5	..	9·0	0	0	28	0	1	3	0	5	18	1	0	3	0
	1730	..	..	..	..	30·2	29·6	16·4	18·7	44	..	1·2	..	3·7	0	0	13	0	1	1	1	2	8	0	0	18	0
Punasa *	0830																										
	1730																										
Thikri	0830	..	..	..	..	28·0	19·7	14·0	16·2	42	..	0·2	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
Sabarmati Catchment																											
Daroi	0830	..	..	..	..	26·0	21·4	18·7	21·7	64	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	34·1	24·7	20·0	23·4	44	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
Gandak Catchment																											
Jomosom	0830	..	..	..	..	12·8	9·5	7·0	10·1	69	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	11·5	9·5	8·0	10·8	79	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Khudi Bazar	0830	..	..	..	..	20·3	16·3	13·6	15·7	67	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	21·5	18·4	16·6	19·0	75	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Timure	0830	..	..	..	..	12·1	10·1	8·4	11·1	78	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	16·7	13·5	11·3	13·4	71	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pokhara	0830	..	..	..	..	20·6	17·3	15·3	17·5	72	..	2·6	..	1·9	0	0	18	7	0	0	5	2	3	0	1	13	0
	1130	..	..	..	..	23·7	18·7	15·7	18·0	62	..	3·5	..	4·5	0	0	26	1	0	0	13	10	1	1	0	5	0
	1730	..	..	..	..	21·8	19·5	18·3	21·1	81	..	3·9	..	1·3	0	0	11	2	3	1	2	0	1	0	2	20	0
Gorkha	0830	..	..	..	..	19·6	17·7	16·6	18·9	83	..	2·7	..	..	..	..	..	**1	0	0	3	3	10	5	1	8	0
	1130	..	..	..	..	21·9	19·0	17·4	19·9	76	..	2·7	..	..	..	..	..	**1	0	3	4	4	12	5	1	1	0
	1730	..	..	..	..	20·4	17·7	16·1	18·3	77	..	2·5	..	..	..	..	..	**3	0	0	1	1	6	4	9	7	0
Nuwakot ††	0830																										
	1730																										
Ghaghara Catchment (Trans Himalayan Region)																											
Dailekh	0830	..	..	..	..	17·2	15·5	14·2	16·3	83	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	.	..	18·6	16·7	15·5	17·8	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghaghara Catchment																											
Dadeldhura	0830	..	..	..	..	15·0	12·0	9·6	12·1	72	..	2·3	..	4·1	0	0	29	1	1	16	8	2	0	0	1	2	0
	1130	..	..	..	..	18·4	13·7	10·4	12·7	61	..	2·8	..	6·1	0	0	31	6	2	3	3	1	1	2	13	0	0
	1730	..	..	..	..	15·5	12·9	11·0	13·3	76	..	2·6	..	3·2	0	0	28	6	1	0	2	4	0	5	10	3	0

†† Data available for less than half the number of days of the month hence no means published (b) Mean of 29 days, (g) Mean of 24 days. *Observation were not taken. **Estimate

Sub Division and station	Hour of observation I.S.T.	Station elevation in maters	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean Temprature in °C: Dry bulb	Mean Temprature in °C: Wet bulb	Mean Temprature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hydrometeorological Observatories—*Contd*																											
Ghaghara Catchment (Trans-Himalayan Region)—*Contd*																											
Sallyana . (R) .	0830																										
	1730																										
Butwal . (R) .	0830	..	..	..	..	25·6	21·6	19·3	22·5	68	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	26·4	23·5	22·0	26·5	77	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Baghmati Catchment																											
Kathmandu† .	0830	1324																									
	1130	,,																									
	1730	,,																									
Kosi Catchment																											
Chautara . .	0830	..	..	..	..	17·2	15·1	13·7	15·8	81	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
	1730	..	..	..	..	19·0	15·6	13·5	15·5	72	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Walungchung Gola .	0830	..	..	..	..	9·5	7·1	5·0	8·8	75	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
	1730	..	..	..	..	6·8	6·3	6·0	9·4	95	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taplethok . .	0830	..	..	..	..	18·8	14.9	12·0	14·2	66	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	18·8	15·3	12.8	14·9	69	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bhojpur . . .	0830	..	..	..	..	19·7	16·0	13.8	15·9	70	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	16·7	15·5	14·9	16·9	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taplejung . .	0830	..	..	..	..	16·3	12·8	10·2	12·6	69	..	3·1	..	0·8	0	0	8	2	2	1	0	0	0	1	2	23	0
	1130	..	..	..	..	19·5	15·2	12·5	14·5	65	..	3·8	..	3·5	0	0	22	2	0	0	0	2	1	13	4	9	0
	1730	..	..	..	..	16·5	13·4	11·3	13·5	72	..	1·1	..	6·5	0	0	22	1	0	1	4	15	0	1	0	9	0
Okhaldhunga . .	0830	..	..	..	..	16·2	13·8	12·2	14·3	77	..	2·6	..	0·5	0	0	5	0	0	1	0	1	2	0	0	26	1
	1130	..	..	..	..	18·6	15·1	13·0	15·1	71	..	3·5	..	1·7	0	0	18	0	0	0	0	2	7	7	2	13	0
	1730	..	..	..	..	15·3	14·0	13·2	15·2	87	..	4.3	..	2·5	0	0	19	0	0	1	1	0	0	14	9	12	0
Chainpur . .	0830	..	..	..	..	19·0	16·4	14·7	16·8	77	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	20·	17·9	16·7	19·1	81	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Angbung . .	0830	..	..	..	..	20·3	16.2	13·3	19·6	66	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	21·0	16·7	13·9	16·1	65	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..
Barahakshetra . .	0830	146	1013.1	996·3	..	23·6	20·3	18·3	21·2	73	..	3·0	..	3·8	0	0	28	0	1	5	9	1	6	1	3	3	2
	1130	,,	1011·0	994·6	..	27·8	22·8	20·2	23·9	64	..	3·8	..	2·9	0	0	25	0	1	1	0	0	15	7	0	6	1
	1730	,,	1009·1	992·5	..	24·4	22·3	21·2	25·3	82	..	3·3	..	1·7	0	0	18	0	0	11	5	0	1	1	0	13	0
Tista Catchment																											
Gangtok . . .	0830	1812	1523·1	821·9	..	15·2	12·7	10·9	13·1	76	..	3·6	..	0·6	0	0	6	0	6	0	0	0	0	0	0	25	0
	1130	,,	1509·9	821·1	..	19·7	15·6	13·1	15·2	67	..	4·2	..	2·8	0	0	25	1	0	0	0	10	11	3	0	6	0
	1730	..	1495·7	819·4	..	16·5	13·9	12·1	14·2	76	..	5·1	..	1·0	0	0	9	0	2	1	2	3	1	0	0	22	0
Gezing . . .	0830	..	..	..	..	16·9	15·0	13·8	15·9	83	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	17·3	15·2	13·8	15·9	80	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

†Data included under Nepal. (R) Register not received.

MONTHLY MEANS OF UPPER WINDS

During the month, observations of velocity and direction of upper winds were made at 54 stations in Indi Out of these, at 40 stations all the observations were taken by means of pilot balloons and at 13 stations som observations were made by means of pilot balloons while the other observations by the radiowind method. I the case of Bangalore, the obeservations were taken by following radiosonde balloon by means of an optic theodolite. Particulars of these station, their co-ordinates and the approximate times of the regular pilot balloo and rawin ascents at each station are given in the table overleaf. All radiowind ascents have been indicated b means of an asterisk (*) against the scheduled ho rs.

Data from ascents made at the scheduled time or within two hours on either side of the scheduled tim of regular observations have been used for averaging.

Data upto 9.0 km. a.m.s.l. are given under Table IV and data above 9.0 km. a.m.s.l. under Table V.

In Tables IV and V :

n = represents the number of observations ;
V = represents the mean wind speed in metres per second irrespective of direction ;
v = represents the resultant mean velocity in metres per second ;
D = represents the direction of the resultant mean wind in degrees East of North.

Means and resultant winds are given in this publication for the following heights :

Surface, 0.15 km. a.g., 0.3, 0.6, 0.9, 1.5, 2.1, 3.0, 3.6, 4.5, 5.4, 6.0, 7.2, 9.0, 10.5, 12.0, 14.1, 16.2, 18.0 21.0, 24.0, 27.0, 30.0, 33.0 and 36.0 km. a.m.s.l. Of these, the levels 1.5, 3.0, 5.4, 7.2, 9.0, 12.0, 14.1, 16.2, 18.0 21.0, 24.0, 27.0, and 30.0 km. a.m.s.l. are considered as the best approximations to the standared pressure level 850 700, 500, 400, 300, 200, 150, 100, 70, 50, 30, 20, and 10 mb. respectively

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS IN INDIA

S. No.	Station	Lat N.	Long. E.	Height of Anemometer head a.m.s.l. in metres	Date of opening **	Approximate times of flight (I.S.T.)			
1.	Agartala	23°53′	91°15′	17	28th November, 1951	0530		1730	2330
2.	Ahmadabad	23°04′	72°38′	61	19th May, 1928	0530*	1130	1730*	2330
3.	Allahabad/Bamhrauli	25°27′	81°44′	103	28th February, 1930	0530*	1130	1730*	2330
4.	Ambala	30°23′	76°46′	279	18 March, 1928	0550	1130	1730	2330
5.	Amini	11°07′	72°44′	14	1st May, 1965	0530		1730	2330
6.	Anantapur	14°41′	77°37′	365	12th February, 1946	0530		1730	2330
7.	Asansol	23°41′	86°59′	135	29th May, 1942	0530		1730	2330
8.	Aurangabad/Chikalthan	19°51′	75°24′	583	7th October, 1951	0530		1730	2330
9.	Bahraich	27°34′	81°36′	134	1st October, 1961	0530	1130	1730	2330
10.	Bangalore	12°58′	77°35′	936	19th May, 1915	0530@	1130	1730@	2330
11.	Bareilly	28°22′	79°24′	181	12h January, 1943	0530		1730	2330
12.	Begampet	17°27′	78°28′	543	1st September, 1929	0530		1730	2330
13.	Bhagalpur	25°14′	86°57′	61	19th May, 1950	0530		1730	
14.	Bhopal/Bairagarh	23°17′	77°21′	532	26th February, 1943	0530		1730	2330
15.	Bhubaneshwar	20°15′	85°50′	54	17th December, 1955	0530		1730	2330
16.	Bhuj/Rudramata	23°15′	69°48′	90	14th September, 1937	0530		1730	
17.	Bikaner	28°00′	73°18′	229	18th October, 1946	0530		1730	2330
18.	Bombay/Santa Cruz	19°07′	72°51′	27	14th May, 1933	0530*	1130	1730*	2330
19.	Calcutta/Dum Dum	22°39′	88°27′	13	14th May, 1921	0530*	1130	1730*	2330
20.	Cochin/Willingdon†	09°56′	76°14′	13	16th March, 1942	0530		1730	2330
21.	Dehra Dun	30°19′	78°02′	692	1st October, 1958	0530		1730	
22.	Dibrugarh/Mohanbari	27°29′	95°01′	112	1st June, 1948	0530	1130	1730	2330
23.	Gadag	15°25′	75°38′	650	3rd May, 1943	0530		1730	2330
24.	Gangtok	27°20′	88°37′	1764	31st May, 1963	0830		1730	2330
25.	Gauhati	26°05′	91°43′	55	11th March, 1955	0530*	1130	1730*	2330
26.	Gaya	24°45′	84°57′	119	19th March, 1937	0530		1730	2330
27.	Goa/Dabolim	15°23′	73°49′	23	1st July, 1965	0530		1730	2230
28.	Gopalpur	19°16′	84°53′	24	15th February, 1946	0530		1730	2330
29.	Gorakhpur	26°45′	83°25′	83	5th January, 1943	0530		1730	
30.	Gwalior	26°14′	78°15′	208	7th May, 1938	0530	1130	1730	2330
31.	Imphal/Tulihal	24°46′	93°54′	782	29th March, 1943	0530	1130	1730	2330
32.	Jabalpur	23°10′	79°57′	402	30th July, 1928	0530		1730	2330
33.	Jagdalpur	19°05′	82°02′	562	25th March, 1948	0530		1730	2330
34.	Jaipur/Sanganer	26°49′	75°48′	403	6th June, 1953	0530		1730	2330
35.	Jamshedpur	22°49′	86°11′	144	23rd July, 1942	0530		1730	
36.	Jharsuguda	21°55′	84°05′	240	1st May, 1944	0530		1730	2330
37.	Lucknow/Amausi	26°45′	80°53′	133	20th November, 1950	0530		1730	2330
38.	Madras/Minambakkam	13°00′	80°11′	29	8th April, 1926	0530*	1130	1730*	2330
39.	Mangalore/Bajpe	12°55′	74°53′	104	4th June, 1928	0530		1730*	2330
40.	Minicoy	08°18′	73°00′	15	14th April, 1941	0530	1130	1730*	2330
41.	Nagpur/Sonegaon	21°06′	79°03′	316	23rd April, 1943	0530*	1130	1730*	2330
42.	New Delhi/Safdarjung	28°35′	77°12′	227	16th November, 1929	0530*	1130	1730*	2330
43.	Poona	18°32′	73°51′	593	5th January, 1925	0530		1730	2330
44.	Port Blair	11°40′	92°43′	95	13th March, 1926	0530*	1130	1730*	2330
45.	Raipur	21°14′	81°39′	308	15th July, 1944	0530		1730	2330
46.	Raxaul	26°59′	84°51′	83	28th October, 1957	0530		1730	2330
47.	Srinagar	34°05′	74°48′	1595	1st August, 1962	0530*		1730*	
48.	Tiruchchirappalli	10°46′	78°43′	96	22nd June, 1936	0530		1730	2330
49.	Trivandrum	08°29′	76°57′	73	8th December, 1928	0530*	1130	1730*	2330
50.	Udaipur	24°35′	43°42′	587	24th June, 1947	0530		1730	2330
51.	Vengurla	15°52′	73°38′	8	20th November, 1941	0530		1730	2330
52.	Veraval	20°54′	70°22′	17	13th October, 1941	0530		1730	2330
53.	Vijaywada/Gannavaram	16°32′	80°48′	33	1st April, 1957	0530		1730	2330
54.	Vishakhapatnam	17°43′	83°14′	10	24th September, 1928	0530*	1130	1730*	2330

*Radio wind ascents.

@Radiosonde ascents followed by optical theodolite.

†Naval Meteorological Office.

**Refers to date from which data are available.

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

October, 1965 (Asvina 9—Kartika 9, 1887 Saka)

Station	AGARTALA												AHMADABAD											
Time in I.S.T.	0530				1730				2330				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	0·6	0·3	055	31	1·5	0·6	327	6	1·3	1·0	165	31	1·3	0·3	323	31	1·8	0·3	037	31	1·7	0·8	292
0·15 a.g.	28	2·7	1·1	060	30	3·6	1·9	222	6	3·7	2·5	154	31	6·1	3·0	318	31	2·9	0·6	347	31	4·2	2·2	282
0·3 a.m.s.l.	28	3·0	1·8	041	30	3·7	1·8	318	6	3·7	2·4	188	31	6·1	3·0	322	31	3·0	0·4	358	31	4·2	2·3	286
0·6 ,,	28	2·8	2·1	043	30	3·5	1·3	229	6	2·7	1·7	208	31	5·5	2·8	310	31	3·3	0·8	299	31	3·8	2·3	290
0·9 ,,	27	3·1	2·3	034	29	3·1	1·4	336	6	2·2	1·1	249	31	4·4	2·0	295	31	3·6	1·4	274	31	3·5	2·2	292
1·5 ,,	27	3·2	2·1	024	29	3·0	0·3	349	6	2·3	1·6	215	31	4·6	2·0	277	31	4·1	1·1	249	31	4·0	2·6	304
2·1 ,,	27	3·7	0·7	031	29	3·7	0·8	282	5	3·4	2·6	208	31	4·6	1·2	309	31	4·9	0·6	320	31	4·5	2·5	317
3·0 ,,	26	4·4	1·7	189	27	3·7	2·0	257	5	4·0	1·7	213	31	5·8	2·9	004	31	5·1	2·9	014	31	5·2	2·8	006
3·6 ,,	24	4·7	1·8	212	23	5·0	2·5	252					31	6·5	4·8	357	31	5·5	4·1	006	31	5·2	3·3	360
4·5 ,,	20	6·2	4·2	230	15	6·9	5·3	254					31	7·4	6·4	346	31	6·6	4·9	357	31	6·8	5·1	353
5·4 ,,	15	8·7	5·5	270	11	9·1	8·2	262					31	8·1	6·8	335	31	7.2	6·0	335	31	7·8	6·6	338
6·0 ,,	14	9·3	6·7	283	10	11·7	11·0	262					31	9·4	7·9	332	30	8·2	7.4	325	31	8·5	7·6	328
7·2 ,,	7	16·0	13·9	267	1	15·0	15·0	310					31	11·4	10·4	316	22	10·1	9·7	319	31	10·1	9·2	315
9·0 ,,	3	23·3	22·8	280									31	13·4	12·4	300	15	13·3	11·9	310	30	13·0	12·1	305

Station	AHMADABAD				ALLAHABAD/BAMHRAULI																AMBALA			
Time in I.S.T.	2330				0530*				1130				1730*				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	0·8	0·3	189	31	0·3	0·1	358	31	0·5	0·1	026	29	0·9	0·6	325	31	0·3	0·2	061	31	1·2	0·5	113
0·15 a.g.	31	5·6	1·0	283	31	3·8	0·7	183	31	2·1	0·6	340	29	3·7	2·1	341	31	5·0	2·5	095	31	6·0	2·7	113
0·3 a.m.s.l	31	5·6	1·1	286	31	3·8	0·7	183	31	2·3	0·6	347	29	3·7	2·1	342	31	5·2	2·9	099	31	2·8	1.3	103
0·6 ,,	31	4·8	1·9	299	31	3·5	0·5	294	31	2·9	0·7	318	29	4·1	2·1	348	31	4·8	0·9	073	31	6·0	1·2	085
0·9 ,,	31	4·6	2·6	301	31	4·3	1·0	318	31	3·3	1·2	291	29	4·1	2·0	326	31	4·8	0·5	007	31	5·4	1·5	332
1·5 ,,	31	4·1	2·4	306	31	5·7	3·1	318	30	5·3	2·6	298	29	5·1	2·9	297	31	6·1	2·7	278	31	6·1	4·0	312
2·1 ,,	31	4·3	1·9	307	30	7·5	5·4	310	30	7·0	3·7	309	29	6·4	4·1	300	30	7·4	4·8	295	31	7·5	5·5	310
3·0 ,,	31	4·4	2·3	005	30	8·7	6·3	312	27	7·9	4·0	305	29	7·5	4·7	299	28	9·1	6·5	303	31	8·8	6·6	319
3·6 ,,	11	6·5	5·5	014	30	8·5	5·9	310	25	9·3	5·5	303	29	8·6	6·3	305	15	9·0	8·2	311	31	9·3	7·2	319
4·5 ,,	3	7·0	7·0	019	29	8·9	6·3	302	23	10·5	8·2	294	29	9·3	6·9	297	11	10·0	7·4	311	26	9·1	6·8	315
5·4 ,,					29	10·5	7·9	300	19	13·8	12·0	295	29	11·4	9·0	293	1	8·0	8·0	310	18	12·3	11·2	308
6·0 ,,					29	11·6	9·1	288	19	15·1	13·6	291	29	12·1	9·2	284					15	14·3	12·8	309
7·2 ,,					29	14·0	11·4	282	17	17·5	17·0	289	29	13·6	11·6	287					8	16·9	15·7	313
9·0 ,,					29	21·1	17·1	270	8	23·7	18·9	269	29	21·4	17·3	272					5	24·0	22·7	311

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

October, 1965 (Asvina 9 —Kartika 9, 1887 Saka)

Station	AMBALA												AMINI											
Time in I.S.T.	1130				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	1·5	0·8	128	31	1·5	0·5	300	31	1·5	0·9	342	23	1·6	0·9	355	24	1·7	1·1	305	24	2·3	1·6	305
0·15 a.g.	31	3·8	1·8	121	30	3·8	2·0	302	31	5·9	3·4	342	21	2·9	2·2	355	23	3·0	1·0	339	24	3·5	2·3	300
0·3 a.m.s.l.	31	2·6	1·5	127	30	2·3	1·1	294	31	3·3	2·0	359	21	3.4	2.7	356	23	2.8	1.5	343	24	3.7	2·5	305
0·6 ,,	31	4·0	1·3	123	30	3·8	2·4	305	31	5·3	2·9	342	21	3·5	2·8	010	23	3·0	1·8	359	24	3·6	2·7	326
0·9 ,,	31	4·1	0·5	348	30	4·4	3·2	318	31	5·0	3·9	326	21	3·2	2·4	035	22	3·1	2·2	022	24	3·7	2·7	005
1·5 ,,	31	5·0	2·2	321	29	4·9	3·4	313	31	4·8	3·3	319	19	4·5	3·8	071	22	4·7	4·0	051	20	5·1	4·1	064
2·1 ,,	30	5·9	4·3	321	29	6·6	4·6	318	31	6·3	4·4	305	13	6·4	6·1	075	22	6·7	6·2	059	17	7·3	7·1	070
3·0 ,,	29	7·1	5 7	319	29	8·9	5·6	317	31	7·4	5·7	306	13	6·6	6·2	071	18	4·8	3·5	054	13	6·4	5·8	063
3·6 ,,	27	7.9	6 8	309	25	8·8	6·5	320	22	8·0	5 4	310	9	2·9	1·9	104	15	4·0	1·4	031	9	4·3	2·5	050
4·5 ,,	25	8·8	7·3	314	24	9·5	7·7	315	6	7·2	3·0	340	7	3.1	2.2	119	13	3·8	2·0	062	5	4·0	1·2	086
5·4 ,,	23	11·1	9·4	309	21	11·4	10·2	312	2	7·0	2 3	028	3	5.0	2.9	088	11	4·4	2·3	059	3	3·0	1·9	119
6·0 ,,	21	13·1	11·1	310	19	13·1	12·5	304	2	6.5	1 9	033	3	7·0	4.5	083	11	4·6	4·0	061	1	2·0	2·0	152
7·2 ,,	15	20·0	18.3	303	12	16·1	15·0	310	1	6·0	6·0	140					8	5·4	4·9	070				
9·0 ,,	6	33.7	22.2	297	6	26.8	25.6	298									3	6·3	1·2	143				

Station	ANANTAPUR												ASANSOL											
Time in I.S.T.	0530				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	0·9	0·5	090	31	3·3	3·0	057	31	2·4	2·2	090	31	0·2	0·1	077	31	0·6	0·2	030	31	0·4	0·1	173
0·15 a.g.	31	4·0	1·6	100	31	5·4	5·1	055	31	6·2	5·6	093	30	2·6	0·7	026	30	2·9	0·8	046	30	3·9	2·1	124
0·3 a.m.s.l.													30	2·9	0 6	044	30	2 8	0·9	046	30	3·9	2·1	125
0·6 ,,	31	4·3	1·9	109	31	5·7	5·3	054	31	6·2	5·6	090	30	3·1	0·9	071	30	2·6	0·8	033	30	3.2	1·7	128
0 9 ,,	31	4·9	3·6	078	31	5 0	4·5	050	31	6·2	5·4	031	29	2·8	0·3	046	30	2·4	0·8	003	29	2·7	0.9	144
1·5 ,,	31	5·8	5·2	055	31	4·7	4·4	043	31	5.2	4·7	055	29	3·7	2·0	344	30	3·0	1·4	328	29	3·6	1·3	300
2·1 ,,	31	6·3	5·6	034	31	5·2	4·5	037	31	5·6	5·0	040	28	4·4	1·9	335	28	4·1	2·1	294	28	4·6	2·3	289
3 0 ,,	30	7·1	3·3	069	26	5·8	4·9	030	29	5·8	4·1	019	26	5·3	2·3	312	27	5·1	2·6	300	26	5·0	3·2	316
3·6 ,,	29	6·8	4·8	033	22	5·4	3·4	042	16	5.6	3.2	019	24	6·0	3·6	296	24	5·8	3·1	297	22	4·9	3·1	304
4·5 ,,	25	5·6	3·1	063	15	5·1	3·4	056	2	5.0	2.3	260	24	7·0	4 7	284	20	7·3	5·4	295	12	6·5	4 9	279
5·4 ,,	24	6.3	2·8	072	13	6·6	5·5	049					24	8·4	6·5	277	18	9.9	8.6	298	8	8.9	6·7	286
6·0 ,,	24	7.1	3.5	068	11	7·3	6·9	049					20	10·1	8·7	271	16	10·6	8.5	2 0	5	8.4	7.2	269
7·2 ,,	22	7.1	3.1	064	10	7·3	7·1	053					12	12·6	11·1	276	10	12 6	11·7	271				
9 0 ,,	12	8.1	3.8	051									5	12 8	7·7	280	5	18 0	17 4	250				

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

October, 1965 (Asvina 9—Kartika 9, 1887 Saka)

Station	AURANGABAD/CHIKALTHAN												BAHRAICH											
Time in I.S.T.	0530				1730				2330				0530				1130				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	0·4	0·2	290	31	3·5	2·5	027	31	0·7	0·4	330	31	1·0	0·5	077	31	1·0	0·7	109	31	0·8	0·0	035
0·15 a. g. .	31	4·4	2·1	037	31	4·1	3·3	025	31	6·4	4·4	037	30	5·0	1·6	214	31	3·2	1·8	103	31	3·1	0·2	332
0·3 a.m.s.l. .													30	4·9	2·9	125	31	3·2	1·8	103	31	3·1	0·2	342
0·6 ,, .													30	3·9	1·4	137	31	3·3	1·3	115	31	3·6	0·3	253
0·9 ,, .	31	5·3	3·0	048	31	4·5	3·8	019	31	7·4	5·1	038	30	3·9	0·6	126	31	4·0	1·2	129	31	4·1	0·9	252
1·5 ,, .	31	4·5	3·3	055	31	4·7	4·0	020	31	6·4	5·2	043	30	5·0	1·1	317	30	5·0	0·5	306	30	5·5	2·0	291
2·1 ,, .	30	4·7	3·6	048	31	5·0	4·1	019	31	5·4	4·2	044	28	6·6	2·8	316	30	5·7	0·9	315	29	6·6	2·9	318
3·0 ,, .	28	5·5	3·8	035	21	4·2	3·3	028	25	5·0	3·0	022	22	8·1	3·4	323	29	8·7	3·6	316	22	9·2	7·7	312
3·6 ,, .	20	7·0	5·5	031	16	5·3	4·4	034	17	5·8	3·6	032	18	10·0	5·7	323	26	9·4	3·8	314	22	11·3	9·4	315
4·5 ,, .	2	10·5	10·3	051	10	8·2	7·8	045	2	5·0	4·9	013	14	9·5	6·9	318	24	10·4	5·9	300	21	13·5	11·5	307
5·4 ,, .					8	8·0	7·7	035					10	10·1	7·4	318	21	10·5	6·5	300	18	14·4	12·5	315
6·0 ,, .					8	8·8	7·7	040					7	10·0	8·5	322	18	11·1	6·7	297	15	14·1	12·4	308
7·2 ,, .					2	9·0	8·7	038					2	16·0	15·9	305	11	15·1	9·8	277	2	19·5	18·1	292
9.0 ,, .													1	26·0	26·0	302	2	16·5	12·3	286				

Station	BANGALORE																BAREILLY							
Time in I.S.T.	0530@				1130				1730@				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	1·9	0·3	128	31	2·4	1·4	055	31	3·0	2·3	058	31	3·0	2·5	098	31	0·9	0·7	083	31	0·8	1·7	352
0·15 a.g. .	27	4·6	2·5	120	31	4·0	2·6	044	31	5·3	4·0	043	30	6·9	5·6	103	31	3·8	1·5	107	30	3·7	1·0	345
0·3 a.m.s.l. .																	31	3·6	1·6	099	30	3·5	1·0	348
0·6 ,, .																	31	4·7	0·8	114	30	4·2	1·2	315
0·9 ,, .																	31	5·1	0·4	036	30	4·3	1·7	310
1·5 ,, .	27	4·8	4·1	063	31	4·5	3·6	049	31	5·5	4·4	046	30	6·9	6·1	079	31	6·1	2·5	321	30	5·8	4·2	305
2·1 ,, .	27	6·6	5·9	041	30	5·3	4·7	048	30	5·1	4·4	036	30	5·5	5·0	034	29	9·0	6·1	316	30	8·4	6·9	310
3·0 ,, .	27	6·1	5·3	031	24	6·5	5·4	032	30	4·5	3·7	029	28	4·8	3·2	008	29	11·3	8·6	320	30	9·8	7·9	310
3·6 ,, .	26	5·0	3·1	042	21	5·9	4·0	041	27	4·0	2·7	036	28	4·6	2·4	027	27	10·4	8·2	324	30	10·8	8·0	308
4·5 ,, .	24	4·1	3·2	075	18	4·6	3·6	077	23	3·3	1·6	048	22	4·5	2·9	061	22	11.2	8·6	326	26	10·6	7·2	312
5·4 ,, .	23	4·5	2·9	092	15	5·7	4·9	085	18	4·0	2·1	060	9	3·7	1·7	122	15	9·7	6·1	342	21	11·3	7.6	307
6·0 ,, .	22	4·9	3·0	084	15	5·5	4·7	079	18	4·9	2·4	070	5	4·0	2·5	082	10	8·0	3·9	347	16	13·9	9·2	30[illegible]
7·2 ,, .	21	6·2	3·0	068	14	7·1	5·6	071	17	5·7	1·0	034	3	6·3	4·6	070	7	10·3	6·3	324	5	16·2	12·3	313
9·0 ,, .	20	6·5	2·3	095	10	8·1	2·8	098	17	4·9	1·0	140	1	5·0	5·0	080	6	17·3	15·3	320	2	20·5	16·5	290

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

October, 1965 (Asvina 9—Kartika 9, 1887 Saka)

Station	BEGAMPET												BHAGALPUR								BHOPAL/ BAIRAGARH			
Time in I.S.T.	0530				1730				2330				0530				1730				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	0·4	0·3	068	31	2·9	2·4	030	31	2·0	1·6	059	31	0·5	0·3	140	31	0·9	0·4	033	31	1·6	0·3	47
0·15 a.g. .	31	3·4	2·5	101	31	4·6	3·9	039	31	5·2	4·4	072	29	2·4	0·9	134	31	3·0	1·3	018	31	6·6	1·6	342
0·3 a.m.s.l. .													30	2·3	1·2	140	31	2·8	1·3	47				
0·6 ,, .	31	2·7	1·9	103	31	4·2	3.5	037	31	1·1	3·4	065	30	2·4	0·7	164	31	2·4	1·1	019	31	5·8	1·5	321
0·9 ,, .	31	4·2	3·2	090	31	5·0	3·7	049	31	5·3	4·6	072	29	2·9	0·3	258	31	2·6	0·6	016	31	6·2	2·0	348
1·5 ,, .	31	5·4	4·9	059	31	5·2	4·9	040	31	4·9	4·4	056	29	3·9	2·1	304	31	3·8	1·0	270	31	4·4	2·7	323
2·1 ,, .	31	7.3	6·6	035	31	5·0	4·8	047	31	5·0	4·0	047	28	4·1	2·3	324	31	4·5	1·8	263	31	4·9	3·5	324
3·0 ,, .	31	7·9	7·2	030	31	5·9	5·4	041	31	5·5	4·7	024	24	4·3	1·8	300	20	5·7	2·9	274	29	6·1	4·8	342
3·6 ,, .	31	7·6	6·8	027	31	5·3	4·6	034	31	5·1	4·0	021	21	4·7	1.4	320	10	4·4	3·1	289	28	7·5	5·8	355
4·5 ,, .	31	6·5	4·2	030	29	6·4	3·6	010	31	0·8	0·7	354	17	7·5	3·6	279	4	6·3	4·3	277	27	8·4	6·9	341
5·4 ,, .	30	7·1	3·6	025	28	7·2	2·3	005					7	8·3	4·7	259	2	8·5	7·7	267	26	9·4	7·6	325
6·0 ,, .	30	8·2	4·6	024	27	7·5	2·7	354					6	10·0	8.5	258	1	14·0	14·0	285	25	10·7	8·1	318
7·2 ,, .	28	10·6	2·9	021	18	8·7	3·3	024					2	11·5	10·1	295					21	14·7	11·2	310
9·0 ,, .	27	9·7	1·3	315	13	9·3	0·5	292					1	32·0	32·0	325					17	18·6	13·8	288

Station	BHOPAL/BAIRAGARH								BHUBANESHWAR												BHUJ/RUDRAMATA			
Time in I.S.T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	1·8	0·9	333	31	1·3	0·4	032	31	1·5	1·1	352	31	1·8	1·1	093	31	1·5	0·4	122	31	1·0	0·8	266
0·15 a.g. .	31	4·1	2·6	349	4	3·0	1·6	040	28	3·7	1·3	360	28	3·8	2·5	103	29	3·9	1·9	150	30	5·6	4·2	281
0·3 a.m.s.l. .									28	3·4	1·5	037	28	3·9	2·3	101	29	3·9	1·7	142	30	5·9	4·2	278
0·6 ,, .	31	4·0	2·4	346	4	3·2	1·4	046	28	3·8	1·8	039	28	3·4	1·7	062	29	3·3	1·8	090	30	5·3	2·9	288
0·9 ,, .	31	4·0	2·8	345	4	2·7	1·6	360	28	4·4	2·9	031	28	3·7	2·1	023	29	3·4	1·8	038	30	5·1	2·2	288
1·5 ,, .	31	4·3	3·0	335	4	3·7	3·7	323	28	5·3	4·1	023	26	4·4	3·3	002	28	4·8	3·7	015	29	5·3	0·9	250
2·1 ,, .	30	4·6	3·4	324	4	5·0	4·9	331	27	5·2	3·5	017	26	5·6	4·0	002	28	5·8	4·1	014	28	5·0	1·2	011
3·0 ,, .	29	5·8	4·4	327	4	6·2	5·6	354	26	4·4	2·7	350	23	5·1	2·4	340	21	4·5	2·3	341	28	6·7	5·0	021
3·6 ,, .	28	6·1	5·2	329	2	6·5	6·2	348	23	4·5	2·7	326	19	5·1	2·8	334	5	3·4	2·7	303	28	8·2	6·8	026
4·5 ,, .	26	8·2	6·9	330					20	6·5	3·5	297	13	6·1	4·4	333	1	5·0	5·0	300	28	6·8	5·7	015
5·4 ,, .	24	10·0	8·3	327					19	7·9	4·3	280	11	7·8	5·8	331					28	6·8	6·1	355
6·0 ,, .	22	10·8	9·4	317					18	7·4	4·7	281	8	8·4	6·9	343					28	7·6	6·4	344
7·2 ,, .	18	13·8	11·9	307					8	8·7	4·3	262	2	11·0	10·9	004					11	12·2	11·1	324
9·0 ,, .	10	13·4	11·8	305																	2	14·0	13·7	298

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

October, 1965 (Asvina 9—Kartika 9, 1887 Saka)

Station	BHUJ/RUDRAMATA								BIKANER												BOMBAY/SANTA-CRUZ			
Time in I. S. T.	1730								0530				1730				2330				0530*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	3·6	1·7	255					31	1·7	1·2	301	31	1·1	0·6	261	31	1·1	0·4	210	31	0·7	0·6	001
0·15 a.g. .	31	5·6	3·0	262					31	9·2	5·2	233	31	5·1	3·0	288	31	7·2	1·9	201	31	4·0	3·4	006
0.3 a.m.s.l. .	31	5·7	3·1	264					31	7·4	4·3	231	31	4·6	2·8	257	31	6·3	1·1	178	31	4·5	3·6	008
0·6 ,, .	31	4·8	2·7	267					31	9·5	5·3	243	31	5·9	3·6	283	31	6·7	1·5	241	31	5·3	3·8	018
0·9 ,, .	31	4·3	2·6	273					31	7·8	4·4	257	31	6·1	3.8	282	31	6·2	2·3	266	31	5·6	4·2	023
1·5 ,, .	31	4·3	2·3	300					31	7·1	4·7	288	31	6·3	3·9	276	31	5·5	3·5	292	31	5·8	3·9	032
2·1 ,, .	31	5·0	2·3	355					31	7·1	4·7	312	31	6·7	4·5	282	31	6·0	4·4	290	31	4·4	2·6	079
3·0 ,, .	31	5·5	3·8	027					31	7·6	6·4	325	31	6·7	4·8	294	29	6·3	6·4	298	31	5·4	3·1	091
3·6 ,, .	29	6·0	5·0	020					31	8·1	6·7	331	31	7·7	6·2	301	10	8·9	7·8	322	30	6·1	4·8	046
4·5 ,, .	28	6·1	5·2	002					29	9·2	8·1	327	31	9·5	7·9	311					30	7·8	6·1	029
5·4 ,, .	28	6·7	5·6	357					27	10·9	9·8	318	29	12·2	10·7	314					30	8·7	6·6	011
6·0 ,, .	28	7·4	6·2	350					24	12·5	10·8	312	26	13·9	12·8	316					29	9·3	7·3	007
7·2 ,, .									19	16·0	14·6	305	14	18·3	16·5	302					29	8·4	5·7	357
9·0 ,, .									2	20·0	18·9	298	2	19·0	18·8	320					29	10·1	5·3	324

Station	BOMBAY/SANTACRUZ												CALCUTTA/DUM DUM											
Time in I. S. T.	1130				1730*				2330				0530*				1130				1730*			
Ht. in Km.	v	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1·0	0·6	046	31	3·9	3·6	322	31	1·0	0·8	012	31	0·1	0·1	060	31	1·1	0·6	052	31	0·3	0·1	079
0.15 a.g. . .	31	2·9	1·6	034	31	6·6	6·2	313	31	4·6	3·9	008	31	2·6	1·6	354	28	2·6	1·4	056	31	2·9	0·8	037
0·3 a.m.s.l. .	31	2·9	1·7	037	31	5·8	5·4	323	31	5·6	5·4	012	31	2·9	2·0	013	28	3·0	1·6	034	31	2·7	0·9	033
0·6 ,, .	31	3·8	2·8	063	31	4·7	3·7	337	31	6·5	6·2	003	31	3·2	2·1	032	28	2·9	1·8	038	31	2·7	1·2	048
0·9 ,, .	31	4·6	3·3	068	31	3·8	2·1	352	31	6·3	5·8	003	31	3·6	2·2	033	25	3·4	2·3	043	31	2·9	1·3	044
1·5 ,, .	29	4·1	2·8	067	31	3·7	2·3	030	31	5·0	3·8	014	31	3·5	1·6	032	21	3·5	2·0	041	31	2·7	0·8	027
2·1 ,, .	29	3·7	2·0	058	31	4·7	3·0	065	31	4·8	2·8	075	31	3·6	0·8	034	17	3·9	1·5	015	31	2·9	0·8	316
3·0 ,, .	29	5·8	4·3	049	31	6·9	5·5	062	30	6·6	5·5	090	31	3·9	0·8	256	10	4·8	1·3	224	31	3·9	1·6	268
3·6 ,, .	29	7·3	6·2	047	31	7·5	6·4	055	23	6·7	5·6	065	31	4·5	2·2	249	7	6·4	1·7	255	31	4·3	2·3	271
4·5 ,, .	29	7·3	5·9	032	31	6·9	5·5	045	15	6·6	4·6	048	31	5·0	3·0	256	5	4·8	3·6	225	31	5·6	3·8	261
5·4 ,, .	29	7·4	5·1	021	30	7·4	5·2	020	3	5·7	0·7	066	31	7·1	4·9	262	2	7·5	7·3	209	31	8·1	6·5	275
6·0 ,, .	29	8·0	4·8	011	29	7·9	5·9	010					31	7·9	6·1	263	2	8·0	8·0	228	31	8·1	6·4	274
7·2 ,, .	25	9·4	4·8	355	29	9·0	5·8	354					31	10·6	8·9	258	1	5·0	5·0	260	31	12·0	9·2	268
9·0 ,, .	16	12·2	7·8	307	29	9·4	5·0	323					31	14·6	12·5	251					30	14·2	11·2	262

Table IV—Monthly Mean Directions and Volocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

October, 1965 (Asvina 9—Kartika 9, 1887 Saka)

Station	CALCUTTA/ DUM DUM				COCHIN/WILLINGDON†												DEHRA DUN							
Time in I. S. T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	0·3	0·2	085	31	0·4	0·2	063	31	2·7	1·8	269	31	1·0	0·8	111	31	0·5	0·4	011	31	0·6	0·4	271
0·15 a. g. .	31	3·1	0·5	120	30	3·0	1·9	089	29	4·4	3·1	260	31	2·9	1·6	105	31	1·9	0.9	073	31	2·3	1·6	253
0·3 a.m.s.l. .	31	3·3	0·9	110	30	2·9	0.8	074	29	4·6	3.3	265	30	3·1	0·8	155								
0·6 ,, .	31	3·4	1·2	093	30	2·9	0·8	269	29	3·7	2·0	271	30	3·5	1·4	254								
0·9 ,, .	31	3·2	1·7	074	30	2·5	0·6	285	29	3·3	0·8	289	30	3·3	0·8	230	31	1·6	0·7	101	31	2·3	1·6	263
1·5 ,, .	30	3·6	0·9	349	30	3·2	0·8	050	28	3·8	2·7	077	30	3·7	1·8	098	31	2·2	0·7	163	31	2·5	1·8	273
2·1 ,, .	30	4·3	1·2	340	30	5·0	4·0	062	26	5·1	4·6	062	26	4·7	3·4	066	30	3·3	1·9	295	31	3·6	2·0	285
3·0 ,, .	20	5·2	2·9	328	19	4·6	3·9	056	21	3·5	2·1	048	19	5·1	3·7	048	29	7·4	4·3	302	28	6·4	3·9	301
3·6 ,, .	9	5·9	4·9	271	12	4·4	2·8	051	18	4·2	1·7	037	10	5·2	3·7	051	25	8·8	5·6	300	23	7·5	4·6	299
4·5 ,, .					6	4·0	2·7	087	14	3·9	0.7	326	3	10·0	5·2	066	22	10·4	8·5	306	23	8·6	4·7	308
5·4 ,, .					1	1·0	1·0	030	5	2·8	2·5	087					18	12·0	6·0	337	18	9·5	8·0	300
6·0 ,, .					1	5·0	5·0	085	5	4.4	3·4	113					17	11·6	9·3	296	15	11·1	10·3	301
7·2 ,, .									2	6·0	4.5	100					12	14·0	12·0	309	9	14·0	10·8	304
9·0 ,, .									2	6·0	5·9	110					3	21·0	20·1	287	1	4·0	4·0	040

Station	DIBRUGARH/MOHANBARI																GADAG							
Time in I. S. T.	0530				1130				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1·4	1·1	056	31	0·6	0·6	073	31	0·5	0·2	056	31	0·6	0·6	045	31	2·5	0·5	120	31	3·7	2·7	068
0·15 a. g. .	29	4·3	3·9	056	29	2·2	1·4	065	30	2·2	1·0	053	27	3·3	2·6	048	31	4·9	1·8	078	31	5·1	3·6	064
0·3 a.m.s.l. .	28	4.5	4.0	053	29	2·2	1·4	065	30	2·3	1·1	061	27	3·1	2·3	050								
0·6 ,, .	28	3.9	3·3	049	29	2.0	1·5	061	30	2·3	1·4	064	27	2·8	2·3	057								
0·9 ,, .	28	3·5	2·9	041	29	2·2	1·4	057	30	2·4	1·8	062	27	2·4	2·1	068	31	5·5	3.0	083	31	5·3	3·8	065
1·5 ,, .	28	2·7	2·2	056	29	2·3	1·2	083	30	2·1	0·9	122	27	2·0	0·8	072	31	6.0	5·0	086	31	5·3	4·7	062
2·1 ,, .	28	2·6	1·2	079	27	2·4	1·1	180	30	3·3	2·1	186	26	2·7	1·5	243	31	6.7	5·8	060	31	5·7	5·3	056
3·0 ,, .	25	2·9	0·4	248	26	3·5	2·4	213	29	4·2	3·1	219	21	3·4	2·5	230	31	7·5	6·6	037	31	6·1	5·7	048
3·6 ,, .	23	3·5	1·9	262	22	4·3	3·3	223	28	4·3	2·7	223	12	3·2	1·5	223	31	7·0	5·7	044	28	6·5	5·8	040
4·5 ,, .	21	5·5	4·9	248	19	7·0	4·7	244	24	6·5	5·1	255	1	5·0	5·0	180	29	7·2	5·0	065	24	7·3	5·2	054
5·4 ,, .	14	10·6	9·9	252	11	10·6	4·5	266	17	10·7	8·9	258	1	15·0	15.0	191	28	7·7	4.8	061	21	8·6	6·5	053
6·0 ,, .	12	13·3	11·7	250	11	12·5	6·2	262	14	11·8	10·0	258	1	17·0	17·0	180	28	8.3	4·4	054	19	9·1	6·1	058
7·2 ,, .	1	20·0	20·0	260	9	17·1	15·4	246	8	18·9	16·1	253					28	9·2	4.0	036	15	9·6	5·7	056
9·0 ,, .					8	26·3	25·7	258									27	8·0	0.6	004	15	9·5	1·8	080

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

October, 1965 (Asvina 9—Kartika 9, 1887 Saka)

Station	GADAG				GANGTOK								GAUHATI											
Time in I. S. T.	2330				0830				1730				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	18	3·9	1·4	151	31	1·0	1·0	032	31	0·5	0·2	120	31	0·3	0·3	045	31	1·5	1·4	032	31	0·8	0·8	055
0·15 a.g. .	18	6·8	2·4	112	29	1·9	1·2	354	28	2·2	1·3	155	31	2·3	2·0	066	30	2·5	2·3	040	31	2·7	1·5	037
0·3 a.m.s.l. .													31	2·5	2·2	068	30	2·6	2·3	060	31	2·7	1·5	032
0·6 ,, .													31	2·9	2·2	083	30	2·7	2·4	083	31	2·7	1·4	078
0·9 ,, .	18	6·8	4·3	096									31	3·2	2·4	080	30	3·0	2·5	095	31	2·7	1·0	128
1·5 ,, .	18	6·1	5·9	076									31	2·8	1·4	076	29	2·7	1·4	107	31	3·1	1·1	233
2·1 ,, .	19	6·2	5·9	047	29	1·5	0·6	340	28	1·6	0·9	182	31	3·0	0·8	033	28	2·9	1·4	165	31	3·1	3·0	235
3·0 ,, .	18	6·9	6·5	024	29	1·7	0·6	167	26	1·6	0·7	273	31	4·0	1·2	228	26	3·7	2·2	224	31	4·4	2·1	240
3·6 ,, .	18	6·3	4·9	025	29	1·8	0·1	245	24	1·9	0·5	240	31	4·3	2·8	239	26	4·3	2·6	234	31	4·9	3·2	247
4·5 ,, .	9	7·2	3·1	074	26	3·2	0·6	287	21	4·0	2·3	245	31	5·8	4·2	235	22	7·2	5·3	252	31	6·5	5·2	243
5·4 ,, .	4	7·3	1·4	254	23	6·7	4·1	247	17	6·5	4·2	259	30	8·8	7·7	246	20	8·7	8·2	252	31	8·9	7·7	248
6·0 ,, .					21	9·7	8·2	255	13	8·1	7·3	242	30	10·7	9·6	245	19	10·5	9·7	252	31	10·4	9·3	250
7·2 ,, .					17	14·4	12·1	250	6	13·8	11·2	258	30	15·3	13·8	247	16	15·0	13·6	249	31	14·9	13·9	252
9·0 ,, .					15	24·3	22·0	249	2	27·0	27·0	243	29	23·2	20·8	249	8	26·4	22·9	259	31	24·4	22·0	251

Station	GAUHATI				GAYA												GOA/DABOLIM							
Time in I. S. T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	0·7	0.4	164	31	0·6	0·4	143	31	1·2	0·9	055	31	1·2	0·7	153	31	1·3	1·0	052	31	5·9	5·0	268
0·15 a.g. .	31	2·3	1·1	114	31	3·4	2·4	152	31	3·2	1·9	032	29	3·4	2·4	114								
0·3 a.m.s.l. .	31	2·5	1·2	117	31	3·3	2·3	151	31	3·1	1·8	031	29	3·3	2·4	112	31	3·3	1·6	048	31	4·9	4·1	281
0·6 ,, .	31	3·3	1·4	085	31	2·8	1·5	151	31	3·2	1·4	027	29	2·7	1·6	128	31	4·6	1·7	026	31	3·3	2·2	275
0·9 ,, .	30	2·3	0·4	046	31	2·6	0·7	146	31	3·1	0·7	034	29	3·1	0·6	203	30	5·4	2·7	015	31	2·8	0·8	020
1·5 ,, .	29	2·5	0·6	284	31	3·5	1·6	334	31	3·7	1·1	295	29	4·9	2·6	294	27	6·9	5·0	037	31	3·9	3·0	063
2·1 ,, .	28	3·1	1·0	219	31	4·6	2·9	328	31	4·9	2·5	310	27	6·2	5·1	300	21	6·7	4·1	075	28	6·3	6·1	058
3·0 ,, .	26	4·0	2·4	224	29	6·8	4·9	317	29	6·2	4·1	308	27	7·0	5·6	308	3	6·7	6·1	071	23	8·3	7·8	064
3·6 ,, .	17	3·7	2.0	215	28	7·0	4·7	316	26	6·8	5·7	303	11	7·6	7·3	325					10	7·7	7·3	071
4·5 ,, .	3	3·8	3·8	266	23	9·0	7·5	300	21	8·7	7·5	310	3	11·7	11·3	333					4	3·7	3·3	066
5·4 ,, .	1	10·0	10·0	230	21	10·4	8·9	291	21	11·1	9·8	300	1	11·0	11·0	310					2	8·5	7·0	021
6·0 ,, .	1	15·0	15·0	220	21	12·3	10·8	292	19	12·9	12·8	297									2	5·3	2·7	110
7·2 ,, .					15	16·0	14·5	295	15	17·4	15·5	303												
9·0 ,, .					7	23·7	20·2	280	6	23·3	21·8	313												

TABLE—IV MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

October, 1965 (Asvina 9—Kartika 9, 1887 Saka)

Station	GOA/DABOLIM				GOPALPUR												GORAKHPUR							
Time in I. S. T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	2·2	1·7	353	31	2·1	1·9	335	31	2·4	1·2	112	31	1·9	0·8	321	31	0·4	0·3	059	31	0·5	0·1	264
0·15 a. g.					26	3·7	2·7	331	28	4·0	2·3	109	25	3·4	1·7	200	31	3·6	2·1	091	29	2·3	0·2	231
0·3 a.m.s.l.	30	4·3	3·8	342	26	3·3	1·2	020	28	3·1	2·0	092	25	2·8	1·3	179	31	3·4	1.8	108	29	2·4	0.5	235
0·6 ,,	30	5·0	4·0	335	26	3·4	1·4	016	28	3·1	2·1	047	25	2·6	0·7	165	31	3.1	1.1	130	29	2·4	0.6	233
0·9 ,,	29	4·6	3·2	343	26	4·2	2·8	028	27	3·5	2·5	017	23	2·8	1·6	035	31	3·1	0·2	215	29	2·9	0·9	247
1·5 ,,	26	5·4	3·1	355	25	5·8	5·5	021	27	5·6	4·0	011	23	4·9	4·3	010	31	4·0	1·2	286	28	5·1	2·6	280
2·1 ,,	20	6·9	5·7	073	25	5·4	4.3	021	25	6·2	5·5	354	22	6·2	5·1	015	30	5·5	1·7	295	28	5·3	3·7	295
3·0 ,,	12	9·1	8·7	080	23	5·3	3·3	001	24	5·1	3·5	350	19	4·6	3·7	009	28	5·7	2·3	299	27	8·0	4·7	310
3·6 ,,	5	11·1	10·8	055	22	4·8	2·9	001	23	5·2	2·6	352					28	7.6	3·9	317	24	7.9	6·3	307
4·5 ,,	1	9·5	9·5	080	20	5·3	2·9	310	21	5·5	2·2	329					25	9·2	5·2	306	23	9.3	8·0	303
5·4 ,,	1	12·5	12·5	070	15	5·5	4·1	317	21	7.2	3·6	330					21	9.6	5.5	285	19	10.5	8.3	301
6·0 ,,	1	13·0	13·0	060	14	6·9	3·8	320	18	7·7	4·7	318					18	10.2	6.0	277	18	21.4	9·0	293
7·2 ,,					8	8·3	5.0	299	11	9.3	4·7	300					12	12.6	9.1	283	11	16.1	13.8	288
9·0 ,,					1	12.0	12.0	315	2	13.0	9·1	218					2	20.0	19.9	235	5	25.8	23.0	306

Station	GWALIOR																IMPHAL/TULIHAL							
Time in I. S. T.	0530				1130				1730				2330				0530				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	0·7	0·4	254	31	2·4	1·0	310	31	1·5	0·8	334	31	0·5	0·2	188	31	0·3	0·3	045	31	0·2	0·2	201
0·15 a. g.	31	5·0	2·5	264	31	3·6	1·5	312	31	3·9	2·5	333	31	5·2	1·8	125	22	1·6	0·8	064	28	1·5	0·9	192
0·3 a.m.s.l.	31	4.0	2.3	253	31	3.5	1.3	318	31	3·3	1·9	335	31	1.4	1.7	151								
0·6 ,,	31	5·8	2.7	301	31	4·4	2.4	318	31	4·3	3·0	325	31	4·5	0·1	313								
0·9 ,,	31	5·7	3·8	313	30	5·6	3·8	314	31	4·8	3·3	322	31	4·8	2·0	315	22	1·5	0·9	065	28	1·4	0·9	192
1·5 ,,	31	5·9	4·8	319	30	6·4	4·5	318	30	5·3	4·0	315	31	6·1	4·4	311	22	2·5	1·0	055	28	2·7	1·3	150
2·1 ,,	31	6·7	5·3	325	28	6·5	5·1	316	30	6·4	5·1	309	30	7·0	5·4	311	20	3·7	0·9	099	25	3·5	0·8	151
3·0 ,,	31	8·3	7·1	336	28	7·7	5·6	334	28	8·5	7·0	316	24	7·0	6·1	324	15	2·8	1·7	192	22	3·7	2·1	220
3·6 ,,	30	9·2	8·0	340	28	7.7	5·6	329	28	9·1	7·8	317	4	5·5	5·2	325	12	4·2	3.4	210	19	3·9	3·3	243
4·5 ,,	30	9·7	8·6	330	27	8·8	7·7	320	28	10·1	8·6	311	1	5·0	5·0	205	11	7·6	3·3	226	16	6·3	5·3	248
5·4 ,,	29	10.8	9·1	320	27	10·2	9·4	308	27	12·1	10·9	316					7	5·7	5·6	247	14	7·6	6·3	250
6·0 ,,	29	12·2	10·7	313	27	11·9	10·9	304	27	13·0	12·0	316					6	6·8	3·4	254	10	8·9	8	250
7·2 ,,	27	14.4	13.3	305	25	15·2	14·3	301	21	14·4	13·0	311					2	9·5	9·5	260	5	12·6	11·6	259
9·0 ,,	20	18·3	16·3	291	14	18·7	17·6	294	9	18·0	17·4	297									1	20·0	20·0	240

TABLL IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 Km. above mean sea level

October, 1965 (Asvina 9—Kartika 9, 1887 Saka)

Station	IMPHAL/TULIHAL								JABALPUR												JAGDALPUR			
Time in I.S.T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	1·1	0·7	187	31	0·3	0·2	161	31	0·5	0·4	161	31	1·1	0·7	360	31	0·5	0·1	114	31	0·3	0·2	042
0·15 a.g. .	29	2·9	1·9	182	28	1·6	0·4	054	31	3·2	1·5	185	31	4·3	3·2	355	31	5·2	1·5	047	31	2·7	1·2	045
0·3 a.m.s.l. .																								
0·6 ,, .									31	3·5	1·3	184	31	4·4	3·3	353	31	5·2	2·1	044	31	1·6	0·7	036
0·9 ,, .	29	2·7	1·8	180	28	1·7	0·7	048	31	3·9	1·1	311	31	4·3	3·5	344	31	4·8	2·3	022	31	3·3	2·4	047
1·5 ,, .	29	2·7	1·9	159	28	2·6	1·1	154	31	5·1	3·7	327	31	4·9	4·1	335	31	4·3	2·7	338	31	5·5	4·6	034
2·1 ,, .	27	3·4	1·6	196	26	3·5	1·2	171	31	6·5	5·9	333	31	5·5	4·9	325	31	5·0	4·0	322	31	6·7	5·9	024
3·0 ,, .	24	4·0	2·5	254	20	3·8	2·7	238	31	7·7	6·8	339	30	6·8	5·6	328	30	6·5	5·6	325	30	6·3	5·4	018
3·6 ,, .	22	4·8	3·7	258	16	4·9	3·2	262	31	7·5	7·1	345	30	7·7	5·9	328	24	7·8	6·9	333	29	5·9	4·3	018
4·5 ,, .	19	6·9	6·1	261	9	7·0	5·2	281	27	7·8	6·2	328	28	8·8	7·5	322	10	6·9	6·0	337	28	4·9	2·6	005
5·4 ,, .	16	9·6	8·7	260	2	9·5	9·5	240	27	8·8	7·1	310	27	9·5	8·0	317					27	6·0	2·6	338
6·0 ,, .	14	9·3	8·2	252	1	12·0	12·0	245	27	10·6	8·6	305	27	10·6	8·8	308					27	7·1	2·8	330
7·2 ,, .	9	13·5	11·2	270	1	15·0	15·0	245	21	13·8	10·4	284	19	13·4	11·3	301					26	8·5	3·7	305
9·0 ,, .	3	15·7	12·4	271					6	19·2	16·8	250	4	21·0	20.5	250					23	9·0	4·3	278

Station	JAGDALPUR								JAIPUR/SANGANER												JAMSHEDPUR			
Time in I.S.T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	1·4	1·0	035	31	0·8	0·5	077	31	0·8	0·6	352	31	1·8	1·3	315	31	0·9	0·1	343	31	0·3	0·2	287
0·15 a.g. .	31	4·0	3·1	035	31	4·3	2·6	068	31	6·3	3·0	286	30	4·8	3·2	304	31	6·8	1·8	282	30	2·2	0·8	260
0·3 a.m.s.l. .																					30	2·2	0·7	269
0·6 ,, .	31	2·7	2·2	033	31	3·1	1·6	066	31	7·0	3·2	277	30	5·0	3·3	302	31	7·2	2·1	284	30	2·7	0·6	086
0·9 ,, .	31	4·8	4·0	031	31	4·8	3·2	060	31	7·4	4·0	280	30	5·4	3·5	299	31	6·8	2·4	305	28	2·7	0·5	039
1·5 ,, .	31	4·7	4·0	018	31	4·5	3·9	037	31	5·7	3·6	300	30	5·1	3·3	304	30	5·8	3·5	320	27	4·3	3·1	352
2·1 ,, .	31	5·3	4·5	018	30	5·1	4·8	030	31	5·6	4·3	316	29	5·3	4·3	306	29	5·9	4·5	314	27	5·0	3·9	348
3·0 ,, .	30	5·3	4·1	022	30	4·8	3·5	019	30	7·1	5·7	330	29	6·2	5·2	318	27	8·1	7·1	331	25	6·4	3·9	330
3·6 ,, .	27	5·0	3·7	028	28	4·1	2·5	010	28	8·7	7·9	336	28	7·5	6·5	326	9	11·2	10·3	328	24	5·4	3·7	303
4·5 ,, .	25	6·0	1·9	353	20	5·2	1·4	314	26	9·5	8·4	335	24	10·2	9·3	320					21	6·1	4·9	288
5·4 ,, .	22	6·5	2·2	336	9	5·2	2·1	266	21	10·7	9·1	322	22	12·3	11·6	318					20	8·1	7·1	288
6·0 ,, .	20	7·1	3·4	325	5	6.6	0·8	237	18	12·7	11·8	315	21	13·5	12·6	316					19	9·1	7·7	282
7·2 ,, .	18	8·8	4.7	316	2	9.0	6·6	340	3	12.7	12·3	304	10	16·3	14·6	310					13	12·3	9·8	277
9·0 ,, .	14	10·1	5·0	295	1	13.0	13·0	011					1	5·0	5·0	290					3	9·7	9·5	236

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

October, 1965 (Asvina 9,—Kartika 9 1887 Saka)

Station	JAMSHEDPUR				JHARSUGUDA												LUCKNOW/AMAUSI							
Time in I.S.T.	1730				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	0·4	0·1	041	31	0·7	0·4	033	31	0·8	0·3	050	31	0·8	0·2	040	31	1·8	0·4	083	31	1·2	0·3	015
0·15 a.g. .	29	1·9	0·6	023	30	3·4	2·0	061	31	2·4	0·3	028	31	3·0	0·4	052	31	4·8	1·6	128	31	3·3	0·9	342
0·3 a.m.s.l. .	29	1·9	0·7	022	30	2·6	1·5	051	31	2·2	0·2	013	31	2·8	0·8	054	31	4·8	1·5	142	31	3·4	1·1	336
0·6 ,, .	29	2·3	0·5	035	30	3·6	0·4	074	31	3·1	0·8	022	31	3·1	0·1	004	31	4·7	0·9	110	31	3·6	1·0	342
0·9 ,, .	29	2·4	0·7	012	30	3·7	0·6	004	30	2·8	0·9	352	31	3·2	0·7	027	29	4·2	0·6	334	31	4·2	1·5	315
1·5 ,, .	29	3·4	1·6	325	28	4·9	3·7	354	30	3·8	2·4	352	30	4·0	1·5	019	27	6·1	3·9	320	30	6·3	3·7	300
2·1 ,, .	28	4·8	2·8	319	28	6·3	5·5	355	30	5·6	4·7	001	30	5·1	3·0	005	27	8·8	6·2	317	30	7·9	5·4	313
3·0 ,, .	25	5·6	4·3	319	28	6·8	6·3	351	29	6·0	3·9	339	29	5·4	3·2	338	26	10·0	8·1	328	28	9·1	6·3	310
3.6 ,, .	24	6·6	4·7	306	27	6·9	5·1	345	27	6·0	3·8	318	4	5·0	4·7	322	25	11·1	9·4	327	27	10·1	7·5	310
4.5 ,, .	21	7·6	5·8	300	24	6·8	4·6	323	25	7·8	5·7	306					23	11·4	10·0	321	26	11·3	9·4	309
5·4 ,, .	17	10·6	7·3	291	23	8·2	5·9	311	25	10·2	7·5	303					21	16·6	9·6	303	26	12·5	10·6	304
6.0 ,, .	16	10·7	8·3	285	23	8.5	6.6	297	25	11·3	8·2	300					20	13·1	11·9	312	25	13·9	12·9	302
7·2 ,, .	6	14·0	12·8	265	20	10.9	8.5	280	21	13·2	11·1	294					16	16·1	15·7	306	24	18·4	17·2	302
9.0 ,, .	2	12·0	11.9	259	14	14.3	10.7	266	20	17·3	13·7	277					11	23·0	21·8	295	17	25·8	24·7	295

Station	LUCKNOW/ AMAUSI				MADRAS/MINAMBAKKAM																MANGALORE/ BAJPE			
Time in I. S. T.	2330				0530*				1130				1730*				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	1·1	0·4	063	31	2·7	0·6	334	31	2·5	0·8	022	31	4·2	3·2	050	31	1·3	0·1	001	31	0·7	0·7	087
0·15 a. g. .	29	4·8	1·4	093	31	4·6	1·7	322	30	3·6	1·5	014	31	5·6	4·3	054	31	4·5	1·9	073	31	3·0	2·2	057
0·3 a.m.s.l.	29	4·6	1.1	100	31	4·6	1·4	358	30	3·8	1·4	019	31	5·5	4·4	047	31	5·0	2·8	068	31	2·9	2·0	036
0·6 ,, .	29	4·1	0·4	268	31	4·7	1·7	052	30	4·3	2·0	028	31	5·4	4·5	035	31	5·6	4·2	059	31	2·9	2·3	354
0·9 ,, .	29	4·9	1·4	297	31	4.8	3·2	044	30	4·3	2·8	036	31	5·7	4·9	029	31	6·1	5·0	048	29	3·2	2·1	359
1·5 ,, .	29	7·1	3·1	305	31	6·4	5·3	024	25	5·6	4·9	033	31	6·4	5·7	012	30	7·4	6·4	025	27	5·9	4·9	062
2·1 ,, .	28	8·4	6·3	309	31	7·1	5·9	020	21	7·1	5·8	029	31	7·0	5·8	005	31	7·8	6·7	021	26	7·4	7·0	060
3·0 ,, .	25	9·3	7·5	312	31	5·4	4·0	025	20	6·3	5·0	027	31	5·6	4·5	020	30	6·2	5·1	029	25	6·0	5·1	052
3·6 ,, .	5	9·2	7·3	310	31	4·5	2.4	025	16	4·9	2·6	052	31	4·2	1·9	028	13	3·2	1·2	052	22	6·1	4·6	050
4·5 ,, .					31	3·6	1·3	042	13	4·1	1·5	087	31	3·8	0·3	033	6	2.8	0.9	039	19	5·7	3·1	088
5·4 ,, .					31	4·1	2·0	080	13	4·5	2·5	096	31	3·8	0·7	107	1	5.0	5.0	075	17	6·2	3·9	078
6·0 ,, .					31	4·3	2.6	077	13	4·8	2·8	080	31	4·3	1·4	088	1	6.0	6.0	090	17	6·6	4·8	071
7·2 ,, .					31	4.8	1.8	084	11	5·5	3·2	064	31	4·9	1·5	078					9	8·4	6·0	055
9·0 ,, .					31	4 8	0.8	114	7	5·6	3.5	070	31	5·3	1·4	132					4	9.0	5.7	065

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

October, 1965 (Asvina 9—Kartika 9, 1887 Saka)

Station	MANGALORE/BAJPE								MINICOY															
Time in I. S. T.	1730				2330				0530				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	3·7	3·2	276	31	0·7	0·5	094	31	1·3	0·4	306	31	2·3	0·9	323	31	2·0	0·9	318	31	1·7	0·5	328
0·15 a. g.	31	5·8	5·3	277	31	3·1	1·4	313	30	2·9	0·9	302	30	4·0	1·2	340	30	3·2	1·6	347	31	3·2	1·0	330
0·3 a. m.s.l.	31	5·7	5·2	275	31	3·5	1·9	300	30	3·4	1·2	320	30	4·2	1·3	327	30	3·5	1·7	345	31	3·3	1·1	336
0·6 ,,	30	4·1	3·3	297	30	3·1	2·2	297	30	3·9	1·1	328	29	4·1	1·4	350	30	3·5	1·8	347	31	3·4	0·9	360
0·9 ,,	28	2·9	2·3	336	30	2·8	1·8	310	28	3·7	0·4	022	26	4·2	1·4	337	30	3·4	1·4	010	31	3·3	1·1	045
1·5 ,,	27	4·7	4·1	038	26	3·6	2·7	017	26	3·6	1·9	077	22	4·4	2·6	059	30	3·3	1·8	070	25	4·0	2·8	071
2·1 ,,	25	7·0	6·7	060	22	7·6	7·1	052	22	4·5	3·3	079	19	4·7	3·1	077	30	4·0	2·8	083	22	5·0	4·1	075
3·0 ,,	24	7·2	6·7	066	17	8·4	8·1	071	17	3·9	2·6	063	18	4·4	1·7	067	29	4·2	1·3	079	20	4·2	1·9	066
3·6 ,,	21	5·0	4·5	070	9	6·0	4·4	027	16	3·8	1·6	071	11	4·4	0·6	074	29	4·5	0·3	032	11	3·6	0·5	008
4·5 ,,	18	4·9	3·5	085	5	4·2	1·0	155	13	3·2	1·4	114	9	2·7	1·1	087	29	4·4	0·1	010	6	3·2	0·6	277
5·4 ,,	15	6·0	4·6	075	1	5·0	5·0	205	11	3·4	3·0	100	7	3·1	2·6	085	28	3·7	1·7	087				
6·0 ,,	12	7·5	6·0	074					10	4·7	3·8	089	6	4·3	4·0	077	28	4·4	2·5	095				
7·2 ,,	9	7·6	5·4	069					7	6·9	6·4	097	2	3·5	1·1	128	25	5·6	3.5	068				
9·0 ,,	4	8·0	1·5	189					6	8·5	7·7	108	2	7·5	3·5	129	22	7·2	4·7	097				

Station	NAGPUR/SONEGAON																NEW DELHI/SAFDARJUNG							
Time in I. S. T.	0530*				1130				1730*				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	0·5	0·4	056	31	0·6	0·2	023	31	0·4	0·3	329	31	0·8	0·2	325	31	1·3	0·1	290	30	2·2	1·5	214
0·15 a.g.	31	3·0	1·6	036	31	2·0	1·1	352	31	2·1	1·1	004	31	4·0	2·2	113	31	4·9	0·8	181	30	3·4	1·1	256
0·3 a.m.s.l.																	31	4·3	0·8	205	30	3·4	2·0	229
0·6 ,,	31	3·3	1·2	095	31	1·9	0·7	356	31	1·8	1·1	014	31	4·4	2·5	107	31	4·5	0·7	243	30	3·6	0·8	294
0·9 ,,	31	3·2	1·0	060	31	2·2	1·0	017	31	2·0	1·3	017	31	4·1	1·8	085	31	4·8	0·8	295	30	4·5	1·7	319
1·5 ,,	31	3·0	2·3	011	31	3·8	3·0	008	31	2·5	2·0	012	31	3·6	2·5	011	31	6·2	3·3	309	30	5·9	3·4	308
2·1 ,,	31	4·1	3·6	001	31	5·3	4·5	009	31	3·8	3·3	359	31	4·5	3·9	002	31	7·2	5·2	312	30	6·7	4·8	313
3·0 ,,	31	5·6	4·8	356	28	6·8	5·7	008	31	5·1	1·4	003	31	5·5	4·2	360	31	8·3	6·7	316	29	7·5	4·7	320
3·6 ,,	31	5·9	4·8	354	27	6·3	4·7	005	31	5·8	4·9	357	27	5·7	4·6	001	31	8·8	7·1	326	28	8·2	6·6	317
4·5 ,,	31	6·4	5·1	351	25	5·9	3·0	344	31	6·0	4·3	350	12	6·7	5·2	354	31	9·3	7·4	325	28	8·9	7·5	318
5·4 ,,	31	6·6	4·7	334	26	8·0	5·0	521	31	6·7	4·6	330	3	11·7	11·7	335	31	10·5	8·3	309	28	11·9	10·1	311
6·0 ,,	31	7·6	5·1	322	25	9·2	5·8	311	31	7·4	5·0	323	1	20·0	20·0	350	31	12·7	10·0	307	28	12·4	11·0	309
7·2 ,,	31	9·8	6·5	314	22	10·5	6·6	289	31	10·2	7·1	296					31	15·5	13·5	302	25	15·9	14·4	308
9·0 ,,	31	13.0	8.9	279	22	12·5	9·0	267	31	12·3	8·5	273					31	21·3	18·3	297	19	23·6	22·2	314

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

October, 1965 (Asvina 9,—Kartika 9, 1887 Saka)

Station	NEW DELHI/ SAFDARJUNG				POONA												PORT BLAIR							
Time in I.S.T.	1730*				0530				1730				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	1·4	0·8	342	31	0·1	0·1	225	31	0·7	0·2	276	31	0·2	0·2	225	31	4·6	2·5	201	31	4·5	1·9	213
0·15 a.g. .	31	4·6	2·7	349	31	2·4	0·4	353	31	3·6	1·3	354	31	4·1	3·1	282	31	6·5	3·1	190	31	6·5	2·0	295
0·3 a.m.s.l.	31	2·5	1·4	348													31	6·5	3·1	190	31	6·5	2·3	183
0·6 ,, .	31	4·4	2·6	348	31	1·7	1·2	226	31	2·7	1·0	356	31	2.4	2·0	244	31	8·0	3·6	198	29	6·7	2.4	163
0·9 ,, .	31	4·5	2·5	331	31	4·4	2·8	038	31	4·0	1·8	005	31	5.3	3·5	320	31	8·2	3·5	190	21	6·3	3·0	144
1·5 ,, .	31	5·3	3·0	308	31	6·2	4·7	065	31	3·8	2·1	025	31	6·3	4·3	030	31	7·9	3·3	182	15	6·2	3·0	145
2·1 ,, .	31	7.0	5·3	303	31	5·2	4·7	068	31	3·9	3·2	060	31	6·0	4·8	067	31	7.2	3.3	166	11	5·0	2·6	120
3·0 ,, .	31	8·1	6·4	306	28	5·3	4·1	065	28	5.3	4·9	057	30	6·1	5·4	084	31	6·9	3·3	148	7	6·5	4·2	120
3·6 ,, .	31	8·7	6·4	312	20	6·1	4·7	040	24	7·0	6·5	061	24	6·7	5·1	071	31	6·8	3.2	140	5	5·6	3·1	136
4·5 ,, .	31	9.7	7.6	320	5	9·2	7·0	024	19	8·0	6·7	057	8	8·5	6·8	063	31	6.6	2.7	158	3	5·3	4·0	127
5·4 ,, .	31	10.8	9.0	311	3	7·3	5·1	320	18	7·9	6·2	036	1	10·0	10·0	090	30	7.4	3·1	137	2	6.5	3.9	118
6·0 ,, .	31	12.9	10.4	312	2	8·0	5·2	286	18	8.4	7·3	035					30	6.9	3.8	131	2	6·5	5·1	116
7·2 ,, .	31	15.7	13.8	306	2	14·5	9·1	272	13	8·0	5·3	025					29	5.6	3.6	116	2	6.0	4.7	097
9·0 ,, .	31	20.8	18.7	301					8	6.3	2.7	332					29	6.4	5.2	116				

Station	PORTBLAIR								RAIPUR												RAXAUL			
Time in I.S.T.	1730*				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	3·8	1·5	198	31	3·2	1·1	166	31	0·7	0·1	043	31	1·4	0·6	010	31	1·2	0·5	100	31	1·4	0·7	055
0·15 a.g. .	31	6·4	2·2	185	31	5·6	1·9	18[illegible]	31	3·5	0·7	337	31	3·6	1·6	026	31	4·1	1·7	087	29	3·1	1·6	083
0·3 a.m.s.l. .	31	6.5	2.2	184	31	6.0	2.4	192													29	3·1	1·3	089
0·6 ,, .	31	6·9	2·0	193	30	7·0	2·9	185	31	3·8	0·6	031	31	3·7	1·7	020	31	4·1	2·1	077	29	2·4	0·6	140
0·9 ,, .	31	7·5	2·4	181	29	7·2	3·1	174	30	3·9	1·3	022	31	3·5	2·0	018	31	3·7	2·3	053	29	2·7	0 4	177
1·5 ,, .	31	7·7	3·0	178	22	6·1	3·0	167	29	5·0	4·1	005	29	3·6	2·8	002	31	4·2	3·2	015	29	3·3	0·7	309
2·1 ,, .	31	6·6	3·0	167	18	5·7	3·0	150	29	6·4	5·7	357	28	4·7	4·1	002	31	5·2	4·3	003	27	3·9	0·5	330
3·0 ,, .	31	6·2	2·9	161	13	6·1	3·5	143	29	7·3	6·3	358	28	6·4	5·0	001	31	6·1	4·4	349	21	5·0	1·6	301
3·6 ,, .	31	6·4	3·0	150	8	4·9	2·3	209	29	7·3	5·8	360	26	6·2	4·0	344	25	5·8	4·1	347	20	4·6	1·5	308
4·5 ,, .	31	6·0	3·1	144	6	4·5	1·4	152	29	6.7	3·7	340	24	7·6	4·5	320	10	6·5	5·7	313	14	7·3	4·7	305
5·4 ,, .	30	7·0	3.4	142	5	4·8	2·4	255	29	7·5	4·3	306	23	9·6	5·7	309	4	8·5	6·3	276	9	9·8	6·1	307
6·0 ,, .	30	5·6	3·3	120	4	4.7	2·3	134	29	8·4	4·6	300	22	10·7	6·8	300	4	10·7	8·5	271	8	10·5	7·6	304
7·2 ,, .	30	5·7	4.0	119					24	10.7	6·5	285	20	12·6	9·1	281					6	14·2	10.8	312
9·0 ,, .	30	6·6	5·6	109					18	16·0	12·3	256	13	16·7	14·0	250					1	10.0	10·0	265

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

October, 1965 (Asvina 9,—Kartika 9, 1887 Saka)

Station	RAXAUL				SRINAGAR								TIRUCHCHIRAPPALLI											
Time in I. S. T.	1730				0530*				1730*				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
urface .	31	0·9	0·1	171	25	0·8	0·8	143	26	1.3	0·8	340	31	2·5	1·5	287	31	2·4	0·6	081	31	3·4	1·3	140
0·15 a. g. .	30	2·8	0·1	283	25	2·3	1.7	134	26	2·2	1·2	330	31	5·7	3·5	303	31	3·7	1·4	093	28	6·0	3·1	137
0·3 a. m. s. l. .	30	2·9	0·3	116									31	5·9	3·3	305	31	3.8	1.4	097	28	6.3	3·1	133
0·6 ,, .	30	2·8	0·4	235									31	5·4	2·4	311	31	3·6	1·4	083	28	5.5	3·1	103
0·9 ,, .	30	3·1	0·8	236									31	4·6	1·6	346	31	3·9	2.1	048	28	4·8	3·0	076
1·5 ,, .	30	3·7	1·8	264									30	5·3	4·1	032	31	5·2	4·3	026	28	4·8	4·2	039
2·1 ,, .	29	3·9	1·7	277	25	1·9	1·1	132	26	2·4	2·0	336	29	7·0	6·1	030	29	6·4	5·5	021	28	6·1	5·3	052
3·0 ,, .	26	4·6	1·3	294	25	2·2	0·9	355	26	2·5	0·7	308	27	6·3	4·8	023	25	5·8	3·6	012	24	5·7	3·9	02[illegible]
3·6 ,, .	20	4·3	0·9	295	24	2·9	0·6	012	26	3·1	1·1	267	25	5·2	2·2	018	22	4·9	1·9	337	17	4·8	2·8	06[illegible]
4·5 ,, .	14	6·7	4·8	288	23	4 8	2·1	333	25	3·8	2·1	253	19	3·6	1·1	115	15	4·0	0·8	054	10	3·9	2·5	10[illegible]
5·4 ,, .	11	8·2	8·1	285	21	7 4	4·5	319	24	6·0	3·5	273	14	3·2	1·4	135	11	3·6	0·6	086	2	3·0	1.3	06[illegible]
6·0 ,, .	7	9·0	6·6	296	21	8·4	5.1	311	23	8.6	5·6	280	11	4·2	2·5	104	9	3·8	2·1	081	2	4·0	2·4	09[illegible]
7·2 ,, .	7	13·4	10·8	295	20	13·5	10·5	300	22	12.0	8·9	289	9	6·2	3·6	088	4	4·7	3·7	019				
9·0 ,, .	3	15·0	14·7	244	19	20.8	17.6	300	21	19·4	16·3	295	2	6·5	6·3	081	1	1·0	1·0	165				

Station	TRIVANDRUM																UDAIPUR							
Time in I S. T.	0530*				1130				1730*				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	31	2·0	1·4	328	31	1·9	1·2	317	31	2·7	2·1	272	31	1·5	0·6	013	31	0·1	0·1	295	31	0·5	0·1	17[illegible]
0·15 a. g .	31	3 5	2·1	336	29	2·7	1·7	305	31	4·0	3·1	277	29	2·6	1·3	338	31	3·2	1·6	292	31	3·7	1·6	26[illegible]
0·3 a. m. s. l. .	31	3·4	2·2	330	29	2·6	1·6	307	31	3.8	2.9	275	29	2·4	1·4	321								
0·6 ,, .	31	3·3	2·0	311	29	2·6	1·8	303	31	3·8	2·7	276	29	3·2	1·8	288								
0·9 ,, .	31	3·0	1·1	324	23	3·0	1·5	312	31	3·4	1·7	294	29	3·0	1·2	297	31	4·2	2·0	286	31	3·6	1·7	26[illegible]
1·5 ,, .	31	3·3	1·1	030	19	3·9	1·6	010	31	4 4	1·7	012	26	4·0	0 9	360	31	4·1	1·0	281	31	3·8	2·3	29[illegible]
2·1 ,, .	31	3·8	1·8	043	14	5·4	3·5	039	31	5·2	2·4	033	18	4·1	1 2	046	31	4·3	1·4	354	31	3·5	2·3	32[illegible]
3·0 ,, .	31	4 4	0·3	039	7	6·6	4·4	054	31	4·8	1·2	008	9	5·0	0 9	044	31	6·0	3·9	359	31	4·8	3·1	35[illegible]
3·6 ,, .	31	4 6	0·4	251	5	7·8	5·2	054	31	4·9	1·3	321	5	6·0	4·1	293	31	6·7	5·1	007	31	6·4	4·6	35[illegible]
4·5 ,, .	30	5 2	1·0	265	2	3·0	2 3	045	31	4·9	0·8	266	4	3·7	2·1	277	31	8·1	6·7	350	30	7·7	6·9	34[illegible]
5·4 ,, .	30	4·5	0·6	246	1	3·0	3·0	065	30	4.5	0.5	194					31	8·9	7·9	335	30	9·3	8·4	33[illegible]
6·0 ,, .	30	4·7	0·4	090	1	4·0	4 0	070	30	4.6	1·2	130					31	10·0	9·1	328	30	10·8	9·9	33[illegible]
7·2 ,, .	30	4·9	1·5	105	1	7·0	7·0	075	30	4·8	1.9	115					30	12·6	11·7	314	26	13.6	12.9	31[illegible]
9·0 ,, .	30	6·8	3·4	101	1	9·0	9 0	100	31	6·7	4·6	109					28	15·8	14·7	307	24	16·4	15·6	30[illegible]

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

October, 1965 (Asvina 9—Kartika 9, 1887 Saka)

Station	UDAIPUR				VENGURLA												VERAVAL							
Time in I.S.T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	0·1	0·1	330	31	0·2	0·2	351	31	2·0	1·8	261	31	0·6	0·6	005	31	3·1	2·8	351	31	4·8	3·7	273
0·15 a.g. .	31	4·0	2·4	294	31	3·4	2·2	029	31	4.1	3·6	265	31	3·8	3·6	355	30	7·6	6.3	338	31	6·3	5·1	273
0.3 a.m.s.l. .					31	3.6	2.5	017	31	4·3	3·6	266	31	4·4	4·1	347	30	7·4	5·8	333	31	6·0	4·2	276
0·6 ,, .					30	5·3	3·8	017	31	3·6	2·0	297	31	4·3	3·9	344	30	6·0	3.9	325	31	5·0	2·7	283
0·9 ,, .	31	4.7	2.9	299	29	7.0	5.1	020	31	3·2	1·5	337	30	4·4	3·6	343	30	5·1	2·0	328	31	4·2	1·4	301
1·5 ,, .	31	4.5	2·5	320	27	5·6	4·4	047	31	4·4	3.4	040	28	5·1	3·4	022	30	4·7	0·6	050	31	4·5	1·5	004
2·1 ,, .	31	3.4	1·4	353	26	5·0	4·4	079	30	6·1	5·4	057	28	7·2	6·6	072	30	5·9	1·5	108	31	5·1	1·8	028
3·0 ,, .	31	4·6	2.7	358	15	6·0	5·1	063	29	9·2	8·7	066	17	9·5	9·1	078	30	5·4	2·8	056	30	6·5	4·3	039
3·6 ,, .	30	5.8	4.5	350	4	6·5	5·4	060	26	8·6	8·3	066	4	8·5	8·3	073	13	5·7	1·7	079	30	6·8	5·1	038
4·5 ,, .	26	7.3	6.2	347					25	7·6	6·6	060					5	7·4	6·0	009	29	6·6	5·3	031
5·4 ,, .	5	8.8	8.0	359					23	8·2	6·5	053					3	6·3	5·7	333	30	6·5	4·7	013
6·0 ,, .	1	10·0	8·5	005					22	8.9	6·3	052					3	9·7	8.4	319	30	7·1	5·6	360
7·2 ,, .	1	3·0	3.0	065					11	9·6	4·1	048					1	6·0	6·0	360	29	8·1	6·5	343
9·0 ,, .									3	13·7	11·5	278									25	9·3	7·6	341

Station	VERAVAL				VIJAYWADA/GANNAVARAM												VISHAKHAPATNAM							
Time in I.S.T.	2330				0530				1730				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	2·7	1·9	327	31	2·0	0·8	063	31	2·7	2·3	125	31	1·1	0·6	092	31	3·2	2·4	009	31	2·6	1·4	109
0·15 a.g. .	31	6·6	4·9	317	31	4·4	1·2	099	30	4·4	3·8	121	31	4·8	2·8	125	29	6·2	5·3	005	30	4·6	2·0	070
0·3 a m.s.l. .	31	6·2	4·3	309	31	4·6	1·6	109	30	4·3	3·7	109	31	5·0	3·3	110	29	6·2	4·7	011	30	4·5	2·2	048
0·6 ,, .	31	5·0	2·9	307	31	4·5	3·2	072	30	3·9	3·0	070	31	4·9	4·0	074	29	5·2	3·1	031	30	4·6	3·4	031
0·9 ,, .	31	4·5	1·2	323	31	4·6	3·4	062	30	4·4	3·7	036	31	5·2	4.3	047	29	5·0	3·1	042	30	5·4	4·3	035
1·5 ,, .	31	4·3	0·9	045	31	5·7	5·3	036	30	5·8	5·4	015	31	6.3	5·5	026	29	5·5	4·8	037	30	6·2	5·5	039
2·1 ,, .	31	5·0	1·9	062	30	6·1	5·5	037	30	7·0	6·2	016	31	5·9	4·9	026	29	5·9	4·9	030	29	6·6	5·7	034
3·0 ,, .	31	5·4	3·6	061	30	5·5	4·5	039	30	5·4	4·6	023	31	4·0	2·8	037	29	5·5	4·1	019	28	6·3	4·5	035
3·6 ,, .	21	5·6	4·8	052	30	4.5	3·1	041	29	4·1	2·6	025	25	3·9	2·2	035	29	5·1	3·3	010	28	6.0	4.1	040
4·5 ,, .	10	5·7	4·7	034	30	4·8	2·3	047	29	4·5	1·3	017	22	5·2	1·4	011	29	5·1	2·1	355	27	5·3	2·8	038
5·4 ,, .	5	5·6	5·3	017	29	6·3	2·7	032	29	6·0	1·4	354	11	5·1	2·4	024	28	5·6	1·5	359	18	5·6	2·5	357
6·0 ,, .	4	7.0	6.5	003	28	6·9	3·1	028	28	6·7	2·6	003	9	6·1	3·7	023	27	6·7	2·0	348	16	6·1	1·6	335
7·2 ,, .					28	7·1	1·4	030	26	6·6	2·0	012					27	8·1	2·0	312	12	7·7	1·9	284
9·0 ,, .					26	8·8	1·3	251	15	8·1	3·0	260					26	8·8	3·2	267	7	10·3	5·6	265

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 km. above mean sea level

October, 1965 (Asvina 9—Kartika 9, 1887 Saka)

Station	VISHAKHAPATNAM																							
Time in I.S.T.	1730*				2330																			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	2·7	2·2	037	31	2·0	0·9	011																
0·15 a.g. .	30	5·2	4·1	034	29	4·1	1·3	020																
0·3 a.m.s.l. .	30	5·1	4·0	036	29	4·5	1·4	051																
0·6 ,, .	30	5·1	4·2	062	29	4·7	2·0	072																
0·9 ,, .	30	5·6	4·7	051	29	4·2	2·8	067																
1·5 ,, .	30	6·7	5·7	028	24	5·4	4·4	029																
2·1 ,, .	30	6·9	5·4	016	20	5·9	4·8	013																
3·0 ,, .	30	6·3	4·4	028	17	4·8	3.6	020																
3·6 ,, .	30	5·3	2·8	023	9	4·2	1·0	049																
4·5 ,, .	30	5·3	1·0	320	5	4·2	1·7	052																
5·4 ,, .	30	5·4	1·3	325																				
6·0 ,, .	30	6·1	1·8	328																				
7·2 ,, .	28	7·5	2·2	294																				
9·0 ,, .	27	9·1	4·4	266																				

Table V—Monthly Mean Directions and Velocities of Upper Winds

Winds above 9·0 Km. above mean sea level

October, 1965 (Asvina 9—Kartika 9, 1887 Saka)

AHMADABAD

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	31	16·3	15·0	292
12·0	31	17·1	15·5	273
14·1	28	16·7	15·9	269
16·2	25	10·8	9·5	258
18·0	14	8.1	1·6	312
21·0	3	11·0	10·9	073

1130 hr.

Ht. in Km.	n	V	v	D
10.5	8	17.3	15·9	315
12·0	6	14·8	14·3	292

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	30	14·6	11·9	292
12.0	29	16·1	14.9	277
14.1	27	17·3	15·2	271
16·2	16	9·9	8·3	269
18·0	9	6.0	1·0	151
21·0	3	6·0	4·6	090
24·0	1	8·0	8·0	056

ALLAHABAD/ BAMHRAULI

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	29	25.3	21.0	258
12·0	29	26·9	23·8	251
14·1	27	26·8	23·7	255
16·2	22	19.5	17·3	265
18·0	10	13·8	12·2	258
21·0	2	8·5	8·5	230

1130 hr.

Ht. in Km.	n	V	v	D
10·5	2	34.0	32.5	234
12·0	2	30.0	27.8	236
14.1	2	28·5	27·8	241

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	28	26·2	22.3	265
12·0	28	26·6	21·8	257
14·1	25	24·7	22.0	254
16.2	21	14·9	13·0	269
18.0	14	9·6	4·7	293
21·0	1	15·0	15.0	155

AMBALA

0530 hr.

Ht. in Km.	n	V	v	D
10.5	1	26·0	26·0	309

1130 hr.

Ht in Km.	n	V	v	D
10·5	2	31·0	28·1	302
12·0	1	26·0	26·0	327

1730 hr.

Ht. in Km.	n	V	v	D
10·5	3	32·0	30·9	292

ANANTAPUR

0530 hr.

Ht. in Km.	n	V	v	D
10·5	6	9·0	3·8	053
12·0	2	15·0	13·0	210
14·1	1	12·0	12·0	155

ASANSOL

0530 hr.

Ht. in Km.	n	V	v	D
10·5	5	15·2	11·3	265
12·0	1	12·0	12·0	235
14.1	1	10.0	10·0	200

1730 hr.

Ht. in Km.	n	V	v	D
10·5	2	8·0	7·5	255
12·0	1	14·0	14·0	213

HRAICH

1130 hr.

Ht. in Km.	n	V	v	D
10.5	1	22·0	22·0	230
12.0	1	33.0	33.0	235

BANGALORE

0530 hr. @

Ht. in Km.	n	V	v	D
10·5	19	7·9	2·9	123
12.0	19	10·1	5·4	142
14·1	14	10·4	6·6	121
16·2	11	10·9	8·2	087
18·0	7	7·9	7·3	085
21·0	5	15·6	15·2	092
24.0	1	21·0	21.0	080

1130 hr.

Ht. in Km.	n	V	v	D
10·5	9	6.3	1·5	152
12.0	8	6·0	1·0	216
14.1	5	6.8	3.4	198
16.2	5	6.0	4.8	168
18·0	5	9·8	6.3	105
21·0	4	13·3	13·3	096
24.0	3	14·0	14·0	081
27.0	1	21.0	21.0	085
30·0	1	31·0	31·0	100

1730 hr. @

Ht. in Km.	n	V	v	D
10·5	15	7.5	2.3	143
12.0	12	9·8	4·4	166
14.1	9	8·6	7·1	141
16·2	8	9·5	8·9	098
18·0	5	8·4	8·3	092
21·0	2	17·5	17·4	096

BAREILLY

0530 hr.

Ht. in Km.	n	V	v	D
10·5	3	10·7	10·1	288
12·0	2	11.5	11.4	243
14·1	2	19·5	19·3	248
16·2	1	13·0	13·0	245
18·0	1	5·0	5·0	256

1730 hr.

Ht. in Km.	n	V	v	D
10·5	1	25.0	25.0	305

BEGAMPET

0530 hr.

Ht. in Km.	n	V	v	D
10·5	23	10·9	4·0	265
12·0	18	9·8	3·9	252
14·1	7	7·3	0·9	014
16·2	7	7.4	3.8	111
18.0	6	10.3	5·7	130
21.0	6	10.0	6·4	105
24.0	2	12·0	11·8	085
27·0	1	13·0	13·0	074
30·0	1	9·0	9·0	135

1730 hr.

Ht. in Km.	n	V	v	D
10·5	8	10·2	1·1	344
12·0	4	7.0	2.4	358
14.1	2	10.5	4.7	319
16·2	2	10.5	2·3	023
18·0	1	11·0	11·0	080
21·0	1	14·0	14·0	030

BHOPAL/ BAIRAGARH

0530 hr.

Ht. in Km.	n	V	v	D
10·5	17	21·5	17·8	280
12·0	12	20·3	17·2	271
14·1	7	16·6	14.8	292
16·2	3	13.3	13.2	285

BHOPAL/ BAIRAGARH

1730 hr.

Ht. in Km.	n	V	v	D
10.5	6	17·1	13·8	293
12.0	3	17·3	17·2	305
14·1	1	27.0	27.0	310

BHUJ/ RUDRAMATA

0530 hr.

Ht. in Km.	n	V	v	D
10·5	1	19·0	19·0	294
12·0	1	26.0	26·0	274

BOMBAY/ SANTACRUZ

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	28	10·8	7·8	273
12·0	28	11·6	8·5	260
14·1	23	10·2	6·5	252
16·2	9	7·0	0·2	150
18.0	2	4·5	3·1	029
21·0	1	7·0	7·0	055

1130 hr.

Ht. in Km.	n	V	v	D
10·5	12	12·0	8·1	272
12·0	8	14·7	13·3	270
14·1	6	15·7	14·0	257
16·2	5	10·6	6·3	278
18·0	1	7·0	7·0	059

1730 hr.*

Ht. in Km.	n	V	v	D
10.5	29	10.2	6.2	264
12.0	29	12·0	9·7	261
14.1	18	9.2	6·0	266
16.2	12	7.0	2.9	053
18.0	6	8·7	7·7	092
21·0	3	8·0	7·9	097
24·0	2	13·5	13·3	065

CALCUTTA/ DUMDUM

0530 hr.*

Ht. in Km.	n	V	v	D
10.5	30	16·3	14·7	245
12·0	30	17·8	16·1	245
14·1	29	17·0	15·8	246
16·2	28	9.8	6·9	272
18·0	16	5·7	1·3	203

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	29	15 3	13.0	256
12.0	28	18·0	15·6	248
14.1	28	15.9	13·6	248
16·2	26	10.5	7·4	279
18·0	14	6·5	1·6	212
21·0	2	6·5	6·5	072

DIBRUGARH/ MOHANBARI

1130 hr.

Ht. in Km.	n	V	v	D
10·5	7	33·3	32·1	248
12·0	5	36·4	34·8	249
14.1	2	35.0	34.5	284
16.2	1	24·0	24.0	299

GADAG

0530 hr.

Ht. in Km.	n	V	v	D
10·5	24	8·7	1·0	223
12·0	23	9·6	4·6	194
14.1	19	9·8	5·3	162
16·2	14	10·9	7·9	110
18·0	12	10·0	9·7	088
21·0	11	15·0	14·8	087

1730 hr.

Ht. in Km.	n	V	v	D
10·5	13	11·2	2·1	183
12·0	11	10.9	5.6	173
14·1	9	10·1	5·8	105
16·2	7	10·4	9·6	090
18·0	5	12·2	11·7	093
21·0	1	16·0	16·0	095

GANGTOK

0830 hr.

Ht. in Km.	n	V	v	D
10·5	10	34·0	28·8	247
12·0	4	34·3	28·2	263

GAUHATI

0530 hr.*

Ht. in Km.	n	V	v	D
10·5	28	27·2	23·6	249
12·0	26	29·2	26·5	252
14·1	23	28·0	26·6	257
16·2	13	17.2	15·9	260
18·0	7	15·0	9·8	255
21·0	2	9·5	6·7	345

1130 hr.

Ht. in Km.	n	V	v	D
10·5	4	35·0	31·3	262
12·0	2	39·5	31·5	286
14·1	2	32·0	28·5	268
16·2	1	26·0	25.9	265

1730 hr.*

Ht. in Km.	n	V	v	D
10·5	29	29·4	26·9	251
12·0	27	31·6	29·0	251
14·1	20	28·2	26·7	253
16.2	9	19·3	19.2	250

TABLE V—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds above 9.0 Km. above mean sea level

October, 1965 (Asvina 9—Kartika 9, 1887 Saka)

Ht. in Km.	n	V	v	D
		GAUHATI		
		1730 hr.*		
18·0	3	15·3	12·9	261
		GAYA		
		0530 hr.		
10·5	2	33·0	32·7	276
		1730 hr.		
10·5	1	18·0	18·0	326
		GOPALPUR		
		0530 hr.		
10.5	1	12·0	12·0	305
		GORAKHPUR		
		1730 hr.		
10.5	1	22·0	22·0	240
12·0	1	32·0	32·0	230
		GWALIOR		
		0530 hr.		
10·5	9	20·3	16·6	273
12.0	2	17·5	13·5	272
		1130 hr.		
10·5	5	21·0	19·6	262
12·0	1	29·0	29·0	230
		1730 hr.		
10·5	3	27·3	27·0	286
12·0	1	22·0	22·0	250
		IMPHAL/ TULIHAL		
		1730 hr.		
10·5	1	11·0	11·0	208
12·0	1	12·0	12·0	206
		JABALPUR		
		0530 hr.		
10·5	1	23·0	23·0	225
		1730 hr.		
10·5	1	16·0	16·0	256
		JAGDALPUR		
		0530 hr.		
10.5	20	11·8	7·5	252
12·0	17	12·9	9·0	240
14·1	10	8·6	3·7	238
16·2	7	7·4	1·9	208
18·0	4	8·0	6·3	022
		1730 hr.		
10·5	11	12·1	7·2	243
12·0	6	7·0	7·3	205
14·1	3	14·7	6·5	198
		JAMSHEDPUR		
		0530 hr.		
10·5	2	14·0	13·3	230
		JHARSUGUDA		
		0530 hr.		
10·5	8	17·1	16·7	260
12·0	6	18·0	18·0	247
14·1	2	16·0	16·0	250
		1730 hr.		
10.5	14	17·7	15·4	266
12.0	10	18·9	16·3	262
14·1	4	21·0	19·6	258
16·2	2	17·0	16·2	248
18·0	1	8·0	8·0	295
21·0	1	15·0	15·0	224
		LUCKNOW/ AMAUSI		
		0530 hr.		
10·5	2	20·5	20·5	265
12·0	2	24·0	24·0	267
		1730 hr.		
10·5	6	26·3	25·8	285
12·0	2	34·5	34·2	283
		MADRAS/ MINAMBAKKAM		
		0530 hr.*		
10·5	30	6·2	2·6	154
12·0	30	8·7	4·2	145
14·1	26	10·1	7·0	121
16·2	21	11·5	9·4	080
18·0	16	9·1	7·9	094
21·0	5	16·8	16·7	075
		1130 hr.		
10·5	6	5·5	3·4	096
12·0	3	9·3	8·8	087
14·1	1	15·0	15·0	090
		1730 hr.*		
10·5	30	5·9	2·4	123
12·0	30	7·8	3·9	117
14·1	26	9·5	6·5	116
16·2	20	11·3	7·1	100
18·0	14	8·6	6·4	096
21·0	3	16·3	16·3	078
		MANGALORE/ BAJPE		
		0530 hr.		
10·5	3	9·3	5·6	078
12·0	2	11·0	5·1	113
		1730 hr.		
10·5	3	8·0	2·5	140
12·0	2	9·0	8·9	122
14·1	1	11·0	11·0	095
		MINICOY		
		0530 hr.		
10·5	4	9·7	9·1	107
12·0	3	9·0	8·1	138
14·1	2	9·0	5·3	140
16·2	1	5·0	5·0	110
		1130 hr.		
10·5	1	4·0	4·0	189
12·0	1	5·0	5·0	170
14·1	1	2·0	2·0	235
		1730 hr.*		
10·5	19	10·2	8·0	112
12·0	18	12·5	11·6	102
14·1	16	13·9	11·7	093
16·2	13	11·5	8·3	082
18·0	12	9·4	7·7	102
21·0	10	20·3	20·1	093
24.0	6	23·2	22·6	092
		NAGPUR/ SONEGAON		
		0530 hr.*		
10·5	31	13·6	9·9	260
12·0	31	15·1	11·4	258
14·1	17	13·0	9·8	256
16·2	8	11·1	10·1	230
18·0	4	7·5	6·2	219
21·0	2	8·0	3·2	340
		1130 hr.		
10·5	19	15·2	11·3	259
12·0	16	14·2	12·2	253
14·1	9	9·2	4·9	275
16·2	5	5·4	3·4	041
18·0	2	7·5	7·4	091
21·0	1	11·0	11·0	090
		1730 hr.*		
10·5	31	13·7	10·5	260
12·0	31	15·0	12·3	256
14·1	20	12·0	8·5	257
16·2	10	8·2	5·7	237
18·0	6	4·8	1·6	120
21·0	3	7·3	7·2	074
		NEW DELHI/ SAFDARJUNG		
		0530 hr.*		
10·5	30	25·2	21·5	292
12·0	30	26·3	24·0	277
14·1	29	23·0	21·9	271
16·2	29	13·9	13·1	275
18·0	24	5·5	3·5	283
21·0	21	4·4	2·8	080
24·0	17	7·8	5·6	090
27·0	4	4·0	2·6	062
		1130 hr.		
10·5	6	30·8	29·7	291
12·0	1	43.0	43·0	245
		1730 hr.*		
10·5	31	22·9	20·8	295
12·0	31	25·5	23·6	284
14·1	26	22·0	20·6	277
16·2	24	13·7	12·2	262
18·0	21	7·0	5·0	261
21·0	16	4·6	1·7	125
24·0	5	4·4	0·9	035
27·0	1	3·0	3·0	230
		POONA		
		1730 hr.		
10·5	5	6·0	2·7	272
12·0	4	7·3	3·4	280
14.1	2	3·5	1·7	203
16·2	1	6·0	6·0	060
		PORTBLAIR		
		0530 hr.*		
10·5	28	6·5	4·8	107
12·0	28	9·3	7·8	098
14·1	21	12·8	11·2	095
16·2	16	11·9	9·9	085
18.0	8	9·9	9·4	100
21.0	2	18·0	18·0	086
		1730 hr.*		
10.5	29	7·2	5·4	091
12·0	28	9·8	7·7	094
14.1	22	13·2	11·4	094
16·2	13	11·0	9·8	100
18·0	4	9·0	8·5	053
21·0	2	18.0	18·0	087
24·0	1	23·0	23·0	097
		RAIPUR		
		0530 hr.		
10·5	9	13·4	10·6	254
12·0	5	11·0	8·4	235
14·1	4	7·5	5·3	227
		1730 hr.		
10·5	2	16·0	15·2	223
12·0	1	5·0	5·0	235
		RAXAUL		
		1730 hr.		
10·5	1	23·0	23·0	220
12·0	1	30·0	30·0	225
14.1	1	25·0	25.0	225
16.2	1	15.0	15.0	235
		SRINAGAR		
		0530 hr.*		
10·5	18	25·1	23·4	296
12·0	15	33.1	30·0	294
14·1	5	21·4	20·6	278
16·2	3	9·0	8·4	275
18·0	2	10·0	7·3	241
21·0	1	4·0	4·0	160
		1730 hr.*		
10·5	19	22·8	20·7	292
12.0	15	26·3	24·1	291
14·1	5	24·0	23·2	292
16·2	4	19·3	17·0	285
18·0	3	8·7	6·3	276
21·0	2	6·0	4·9	192
24·0	1	13.0	13·0	080
		TIRUCHCHIRAPPALLI		
		1730 hr.		
10·5	1	4·0	4·0	005

TABLE V—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds above 9·0 Km. above mean sea level

October, 1965 (Asvina 9—Kartika 9, 1887 Saka)

Ht in Km	n	V	v	D
	TRIVANDRUM			
	0530 hr.*			
10·5	30	7·6	5·2	116
12·0	30	11·5	9·6	113
14·1	24	12·7	11·2	098
16·2	19	9·9	6·5	098
18·0	8	7·1	6·1	076
21·0	3	9·2	9·0	088
24·0	1	4·0	4·0	102
	1130 hr.			
10·5	1	10·0	10·0	090
12·0	1	20·0	20·0	100
14·1	1	16·0	16·0	135
16·2	1	21·0	21·0	100
18·0	1	13·0	13·0	080
21·0	1	13·0	13·0	110
	1730 hr.			
10·5	30	7·6	5·8	105
12·0	30	10·0	8·2	103
14·1	26	11·2	9·9	102
16·2	18	10·7	8·7	097
18·0	13	6·2	3·3	113
21·0	6	14·5	13·7	088
	UDAIPUR			
	0530 hr.			
10·5	21	17·2	15·8	298
12·0	12	18·8	17·4	302
14·1	7	18·0	16·3	284
16·2	1	22·0	22·0	285
	1730 hr.			
10·5	16	16·6	15·2	295
12·0	5	22·0	19·5	296
14·1	2	16·0	14·3	275
16·2	1	11·0	11·0	315
	VERAVAL			
	1730 hr.			
10·5	17	8·9	6·6	319
12·0	7	10·7	9·0	288
14·1	1	3·0	3·0	050
	VIJAYWADA/ GANNAVARAM			
	0530 hr.			
10·5	23	8·7	2·3	227
12·0	17	9·2	4·8	215
14·1	11	12·2	4·2	181
16·2	8	8·3	5·3	110
18·0	4	7·7	5·7	077
21·0	4	8·3	7·9	080
	1730 hr.			
10·5	4	6·7	5·4	250
12·0	2	9·0	4·1	239
	VISHAKHAPATNAM			
	0530 hr.			
10·5	26	10·7	5·4	266
12·0	26	10·0	4·6	252
14·1	9	13·7	3·7	182
16·2	1	17·0	17·0	240
	1130 hr.			
10·5	7	12·1	7·5	262
12·0	7	12·0	5·4	254
14·1	6	9·0	3·4	216
16·2	5	7·8	5·8	014
18·0	5	9·0	7·7	071
21·0	5	8·6	5·5	124
24·0	1	11·0	11·0	110
	1730 hr.*			
10·5	26	11·2	5·4	257
12·0	26	12·2	6·1	221
14·1	15	11·8	5·9	202
16·2	4	11·0	5·2	222
18·0	1	6·0	6·0	050
21·0	1	4·0	4·0	090

RADIOSONDE DATA

During the month, observations of upper air temperature, pressure and humidity were made at 14 stations in India as given in the list below. For detailed description of the instruments used, a reference may be made to the I. M. D. Scientific Notes Nos. 112 and 113 (Volume IX)

List of Radiosonde Stations in India

Serial No.	Name of Station	Type of instrument used	Date of starting	Hours of routine observations in GMT during the month	Remarks
1	Ahmadabad	Fan type	20th July 1961	00 and 12	
2	Allahabad/Bamhrauli	Clock type	1st October 1944	00 and 12	
3	Bangalore	Fan type	10th March 1961	00 and 12	
4	Bombay/Santa Cruz	Clock type	7th September 1954	00 and 12	
5	Calcutta/Dum Dum	Clock type	13th December 1946	00 and 12	Fan type used from 13-12-46 to 30-11-47.
6	Gauhati	Clock type	22nd July 1955	00 and 12	
7	Madras/Minambakkam	Fan type	29th June 1946	00 and 12	
8	Minicoy	Fan type	12th May 1963	12	
9	Nagpur/Sonegaon	Fan type	1st October 1946	00 and 12	
10	New Delhi/Safdarjung	Clock type	3rd December 1943	00 and 12	
11	Port Blair	Fan type	4th December 1949	00 and 12	
12	Srinagar	Clock type	1st August 1962	00 and 12	
13	Trivandrum	Fan type	1st July 1947	00 and 12	
14	Vishakhapatnam	Fan type	8th December 1946	00 and 12	

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(A) From Ascents at 00 Hours G.M.T.

October, 1965 (Asvina 9—Kartika 9, 1887 Saka)

Standard pressure Surface mb.	AHMADABAD Surf. Pr. (1003 mb.)						ALLAHABAD/BAMHRAULI (998 mb.)						BANGALORE (910 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	31	055	296·6	299	294	291·4	31	098	294·8	297	293	291·9	31	921	292·8	297	291	291.1
1000	31	086	296.9	302	294	290.8	29	081	294.4	297	293	292·7	31	104	..	..	..	..
900	31	1015	297·4	301	295	284·8	29	999	294·4	300	288	284·8	31	1017	292·9	296	291	290·4
850	31	1513	294·0	297	290	281·2	29	1491	291·0	296	284	282·7	31	1510	292·2	294	289	285·9
800	31	2035	290·2	293	287	277·9	29	2011	286·9	291	281	278·9	31	2030	289·3	294	287	282·0
700	31	3158	282.7	287	279	268·0	29	3123	279·2	282	275	270.7	31	3151	281·7	285	277	275·2
600	31	4421	275·3	280	269	258·9	29	4375	272·6	278	269	256·1	31	4416	276·5	281	272	268·6
500	31	5871	266·6	271	259	..	29	5813	264·6	268	260	..	31	5879	269·0	272	265	..
400	31	7580	255·4	260	250	..	29	7509	254·2	258	250	..	31	7605	258·4	261	255	..
300	31	9673	240·6	245	236	..	29	9603	240·9	246	235	..	31	9725	243·5	248	239	..
250	31	10936	232·1	237	228	..	29	10878	233·0	237	229	..	31	11001	233·6	237	229	..
200	31	12422	221·9	228	216	..	29	12367	222·6	228	217	..	31	12490	221·8	225	215	..
175	29	13286	216·7	224	211	..	28	13255	217·6	227	211	..	29	13344	216·0	220	209	..
150	29	14252	210·8	218	205	..	28	14203	211·7	219	205	..	28	14307	209·3	215	202	..
125	27	15363	204·4	214	199	..	27	15345	206·7	212	197	..	27	15400	203·6	209	196	..
100	25	16668	199·2	210	193	..	24	16666	202·9	209	197	..	25	16721	199·6	205	194	..
80	22	17965	202·4	214	194	..	22	18023	204·6	215	197	..	22	18047	203·8	207	202	..
70	15	18780	205·7	216	200	..	19	18845	207·6	216	200	..	18	18875	207·1	211	203	..
60	11	19677	209·1	214	204	..	11	19791	208·2	217	200	..	14	19805	210·1	217	207	..
50	8	20850	213.9	217	210	..	5	20916	211·2	219	205	..	13	20898	213·5	224	208	..
40							5	22303	213·4	219	208	..	6	22291	215·7	219	211	..
30																		
20																		
10																		

	BOMBAY/SANTACRUZ Surf. Pr .(1008 mb.)						CALCUTTA/DUM DUM (1009 mb.)						GAUHATI (1006 mb.)					
Surface	31	013	296·8	299	294	293·9	31	006	296·6	299	295	296·5	31	049	294·8	297	292	293·9
1000	30	082	298.3	302	297	293.3	31	086	296.8	299	294	295.3	31	099	295.0	298	292	293.7
900	30	1014	297·9	300	295	283·4	31	1005	293·0	295	290	289·3	31	1013	293·4	298	290	288·7
850	30	1512	294·4	297	292	280·7	31	1496	289·9	293	286	285·6	31	1505	290·5	295	285	285·0
800	30	2035	290·3	293	288	279·1	31	2014	286·5	290	283	281·5	31	2021	287·6	292	283	280·5
700	30	3158	281·8	285	278	274·5	31	3124	280·6	285	277	271·6	31	3138	281·4	285	278	271·8
600	30	4421	276·3	282	270	262·4	31	4382	274·4	280	270	262·3	31	4396	274·2	278	270	260·1
500	30	5799	268·2	272	262	..	31	5831	266·4	273	263	..	31	5841	266·1	271	260	..
400	29	7605	257·2	262	253	..	31	7564	256·6	262	250	..	31	7551	256·0	260	251	..
300	29	9714	242·2	246	239	..	31	9655	243·4	250	239	..	30	9658	243·5	251	238	..
250	28	10981	232·8	237	229	..	31	10933	234·0	242	230	..	29	10930	235·2	243	231	..
200	28	12471	222·2	227	217	..	31	12432	223·5	233	218	..	29	12434	224·6	230	219	..
175	25	13327	217·0	220	213	..	30	13293	217·3	228	212	..	27	13295	218·7	223	215	..
150	23	14297	210·5	216	205	..	30	14257	210·6	221	205	..	24	14278	212·6	218	208	.
125	18	15379	204·0	209	197	..	29	15371	204·8	213	199	..	20	15383	206·5	214	201	..
100	13	16746	198·3	204	191	..	29	16694	200·3	206	193	..	15	16710	202.5	211	194	..
80	7	18037	203·5	208	197	..	24	18003	202·0	211	195	..	7	18035	203.9	211	197	..
70	6	18850	208·5	212	203	..	21	18827	205.5	215	197	..	6	18821	206·7	215	194	..
60	5	19795	212.8	217	207		18	19751	210·2	219	204	..						
50							12	20860	213·7	224	208	..						
40							9	22293	218.6	227	211	..						
30																		
20																		
10																		

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(A) From Ascents at 00 Hours G.M.T.

October, 1965 (Asvina 9—Kartika 9, 1887 Saka)

Standard Pressure Surface mb.	JODHPUR Surf. Pr. (985 mb.)						MADRAS/MINAMBAKKAM (1009 mb.)						NAGPUR/SONEGAON (975 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface							31	015	297·6	300	295	296·5	31	311	292·6	295	289	288·8
1000							31	081	297·9	300	295	295·9	31	091	..	..	..	..
900							31	1003	294·9	298	293	287·7	31	1011	296·8	301	293	287·0
850							31	1498	292·3	296	290	283·7	31	1509	293·0	297	289	284·0
800							31	2018	289·1	294	287	281·0	31	2029	288·5	293	285	280·8
700							31	3139	282.4	286	277	274·8	31	3148	280·7	284	277	273·8
600							31	4405	276·9	280	273	268·3	31	4406	274·8	279	269	264·4
500							31	5865	268·7	272	265	..	31	5857	266·9	271	263	..
400							31	7590	258·1	262	254	..	31	7567	255·8	261	251	..
300							31	9706	243·1	249	237	..	31	9665	241·2	245	237	..
250							29	10979	233·2	237	229	..	31	10929	232·5	239	229	..
200							29	12466	221·1	226	216	..	31	12412	221·0	227	217	..
175							26	13324	215·4	222	211	..	26	13261	214·1	220	209	..
150							25	14288	208·6	213	204	..	26	14212	207·9	213	203	..
125							23	15375	203·2	214	198	..	25	15305	202·4	208	197	..
100							20	16701	198·8	201	197	..	22	16601	197·9	202	191	..
80							17	18004	203·1	207	197	..	17	17945	201·9	207	194	..
70							13	18803	205·9	211	200	..	14	18747	207·1	213	197	..
60							11	19754	209·0	215	203	..	11	19671	210·2	218	202	..
50							8	20861	213·3	221	206	..	11	20796	213·4	220	207	..
40												..	9	22185	219·1	227	213	..
30																		
20																		
10																		

	NEW DELHI/SAFDARJUNG (986 mb.)						PORT BLAIR (1001 mb.)						SRINAGAR (843 mb.)					
Surface	31	209	293·3	299	291	288·5	31	079	298·0	299	297	296·8	26	1588	280·6	285	276	279·0
1000	31	086	..	..	..	..	31	089	297·5	300	294	296·5	26	153	..	..	..	..
900	31	1003	296·1	301	290	281·5	31	1010	294·0	298	292	291·4	26	1048	..	..	..	..
850	31	1499	292·9	297	286	279·0	31	1504	291·5	295	288	288·7	26	1519	..	..	..	..
800	31	2018	289·5	293	283	275·3	31	2023	288·8	292	285	285·8	26	2023	281·5	284	278	276·0
700	31	3138	281·4	285	275	265·5	31	3147	283·2	287	281	280·1	26	3119	276·4	281	272	270·3
600	31	4391	273·0	277	270	249·6	31	4415	276·6	280	274	274·0	26	4351	268·0	271	264	..
500	31	5826	264·0	269	260	..	30	5857	269·3	273	268	..	26	5760	259·3	264	255	..
400	31	7514	252·4	257	249	..	29	7600	258·8	263	250	..	25	7418	247·0	252	242	..
300	31	9584	238·6	244	234	..	28	9727	245·3	250	242	..	24	9441	232·4	239	227	..
250	29	10839	231·2	236	227	..	28	11011	235·4	241	233	..	23	10667	225·2	232	219	..
200	29	12328	223·9	228	219	..	28	12513	223·8	229	221	..	22	12169	219.1	226	212	..
175	28	13197	219·6	225	215	..	24	13367	217·0	225	198	..	14	12935	216.6	224	210	..
150	28	14177	215·0	222	210	..	20	14341	212·3	220	202	..	12	13902	213.4	218	208	..
125	28	15314	211·0	222	205	..	15	15415	204·1	215	198	..	9	15047	211.7	217	208	..
100	28	16679	207·3	215	202	..	13	16740	199·9	207	195	..	9	16414	210.7	215	205	..
80	25	18032	207·3	220	201	..	7	18027	203·4	211	198	..	7	17793	211.4	215	207	..
70	23	18849	210·0	222	204	..	7	18843	207·1	213	201	..	5	18628	210.0	215	208	..
60	22	19800	213·0	226	205	..	6	19764	209·3	217	201	..						
50	21	20942	217·3	228	212	..												
40	19	22404	221·6	227	218	..												
30	16	24294	226·8	232	222	..												
20	5	27026	232·4	238	229													
10																		

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(A) From Ascents at 00 Hours G.M.T.

October, 1965 (Asvina 9—Kartika 9, 1887 Saka)

Standard Pressure Surface mb.	TRIVANDRUM Surf. Pr. (1002 mb.)						VISHAKHAPATNAM Surf. Pr. (1005 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	31	064	297·7	300	296	296·0	31	041	298·4	301	295	295·8
1000	31	082	298·1	300	297	295·9	30	083	298·5	301	296	295·4
900	31	1004	293·3	297	291	289·6	30	1008	294·2	299	291	288·6
850	31	1497	290·7	295	289	286·6	30	1503	291·4	295	288	285·3
800	31	2014	288·0	292	285	282·7	30	2022	288·3	291	285	281·9
700	31	3135	281·8	286	279	277·0	30	3144	282·3	285	279	274·5
600	30	4399	275·4	279	273	270·9	30	4412	276·3	279	271	268.0
500	30	5850	267·6	271	265	..	30	5870	268·5	272	264	..
400	30	7572	257·2	263	253	..	30	7600	258·4	263	254	..
300	30	9679	241.4	247	237	..	29	9721	243·1	246	238	..
250	30	10945	231·7	237	228	..	29	10996	233·8	239	230	..
200	30	12422	219·3	225	214	..	29	12491	223·1	230	218	..
175	28	13251	213·8	222	208	..	25	13343	216·5	221	212	..
150	28	14218	207·5	216	201	..	25	14312	210·4	213	205	..
125	25	15285	200·4	206	194	..	24	15404	204·6	208	199	..
100	22	16579	197·9	204	191	..	23	16740	200·1	204	193	..
80	16	17890	202·9	207	197	..	18	18101	203·4	209	191	..
70	12	18685	206·0	211	201	..	15	18921	206·4	213	193	..
60	11	19601	209·6	215	205	..	14	19881	209·4	215	195	..
50	11	20731	213·9	218	209	..	13	20956	212·5	218	205	..
40	9	22139	218·1	223	212	..	6	22375	217.3	221	213	..
30												
20												
10												

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 hrs. G.M.T.

October, 1965 (Asvina 9—Kartika 9, 1887 Saka)

Standard Pressure Surface mb.	AHMADABAD Surf. Pr. (1002 mb.)						ALLAHABAD/BAMHRAULI (997 mb.)						BANGALORE (908 mb.)					
	No. of Obs.	Ht. gpm.	Temperature° A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	31	55	309·1	311	305	292·3	30	098	304·5	310	298	292·3	31	921	301·4	305	294	288
1000	31	73	308.8	311	305	291·3	30	69	..	..	..	..	31	064	..	..	..	..
900	31	1017	300·3	304	296	284·9	30	1003	297·6	304	291	285·8	31	1002	300·5	303	294	287·
850	31	1519	295·9	301	290	281·5	30	1500	293·3	299	288	282·3	31	1506	296·6	301	293	286·
800	31	2043	291·2	296	285	278·9	30	2018	289·4	295	285	278·9	31	2030	292·3	297	289	284·
700	31	3170	283·5	289	278	268·7	30	3138	281·6	285	278	270·3	31	3157	283·0	288	279	278.
600	31	4438	276·3	282	269	258.8	30	4396	274·5	281	271	258·7	31	4424	277·1	281	273	269·
500	31	5890	267·2	273	261	..	30	5845	266·9	272	263	..	31	5884	269·4	273	265	..
400	31	7602	255·2	261	248	..	30	7557	255·9	260	251	..	31	7613	258·6	263	253	..
300	30	9698	240·3	245	232	..	29	9667	243.0	249	237	..	31	9735	243·5	248	237	..
250	29	10968	232·1	237	224	..	29	10935	235·0	239	229	..	31	11013	234·2	239	227	..
200	29	12454	222·3	227	216	..	29	12448	225·7	231	219	..	31	12509	222·1	228	217	..
175	29	13314	216·7	221	211	..	29	13323	220·4	227	207	..	27	13382	216·2	222	208	..
150	29	14280	211·2	217	203	..	29	14294	215·5	222	205	..	26	14343	209·5	215	201	..
125	25	15386	204·9	213	196	..	25	15432	209·2	218	200	..	24	15436	203·6	209	196	..
100	24	16706	200·8	209	192	..	23	16778	204·5	211	197	..	20	16770	200·1	204	197	..
80	22	18024	202·6	212	191	..	16	18126	205·4	212	197	..	20	18114	203·6	208	197	..
70	19	18841	205·4	214	195	..	14	18917	207.2	215	199	..	18	18924	206·2	212	200	..
60	19	19770	210·3	219	199	..	7	19861	210·0	216	201	..	16	19774	209·3	217	204	..
50	18	20891	213·8	221	203	..	5	21000	212·2	217	209	..	14	20954	212·8	220	207	..
40	11	22285	217·0	223	213	..	5	22425	216·0	223	209	..	11	22373	217·5	226	209	..
30	7	21015	218·3	227	215	..							8	24251	221·4	230	213	..
20																		
10																		

Standard Pressure Surface mb.	BOMBAY/SANTACRUZ (1006 mb.)						CALCUTTA/DUM DUM (1007 mb.)						GAUHATI (1003 mb.)					
Surface	31	013	304·5	306	302	296·0	31	06	301·4	305	295	296·5	31	49	300·2	303	296	296.1
1000	31	071	304·0	306	301	295·1	31	072	301·1	305	295	296·1	31	074	300·0	303	296	225.5
900	31	1006	298·7	302	294	285·2	31	1001	295·3	299	291	290·3	31	999	295·1	299	291	289.9
850	31	1507	295·6	299	292	282·1	31	1496	292·0	295	289	287·1	31	1494	292·2	297	288	285.3
800	31	2030	291·1	295	288	280·2	31	2015	288·6	293	285	282·9	31	2013	289·3	298	284	281.2
700	31	3156	283·3	289	281	273·0	31	3137	282·7	287	279	272·7	31	3134	282·2	288	278	271.7
600	31	4428	277·0	281	272	263·1	31	4405	276·3	281	271	265·0	31	4395	275·0	282	270	261.9
500	29	5884	269·0	272	264	..	31	5862	268·4	275	264	..	31	5843	266·4	274	260	..
400	29	7605	256·7	260	251	..	31	7584	257·8	263	255	..	31	7554	256·1	265	249	..
300	29	9708	240·9	246	237	..	31	9705	244·3	251	240	..	31	9662	243·4	250	238	..
250	29	10973	231·9	237	228	..	29	10986	235·1	241	231	..	30	10930	234·4	239	229	..
200	29	12456	220·9	226	216	..	28	12484	224·3	229	219	..	30	12429	224·0	232	217	..
175	20	13329	216·0	221	210	..	28	13350	218·3	223	213	..	25	13310	218·7	227	214	.
150	19	14293	209·8	217	205	..	28	14317	210·9	217	206	..	21	14285	212·7	222	207	..
125	17	15404	202·5	210	195	..	26	15447	203·9	211	199	..	16	15431	206·3	213	201	..
100	15	16715	198·8	205	193	..	26	16753	199·4	205	195	..	9	16734	202·3	210	193	..
80	8	18001	203·3	209	193	..	19	18050	201·0	209	195	..						
70	5	18779	205·6	210	201	..	13	18868	205·0	213	197	..						
60							9	19820	209·8	214	203	..						
50							9	20950	213·0	217	210	..						
40																		
30																		
20																		
10																		

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(B) From Ascents at 12 Hours G.M.T.

October, 1965 (Asvina 9—Kartika 9, 1887 Saka)

Standard pressure surface mb.	JODHPUR Surf. Pr. (mb.)						MADRAS/MINAMBAKKAM (1006 mb.)						MINICOY (1009 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface							31	015	302.0	305	296	296.7	31	002	301.7	303	299	297.5
1000							31	072	301.5	305	296	296.1	31	077	301.0	302	299	296.6
900							31	1001	295.7	299	293	287.6	31	1005	294.0	296	292	290.4
850							31	1497	292.8	297	288	284.4	31	1499	291.7	294	289	287.8
800							31	2018	289.4	292	286	281.3	31	2019	289.3	292	286	284.3
700							31	3143	283.5	287	280	274.2	31	3144	283.2	287	280	277.4
600							31	4413	277.5	281	273	269.5	31	4413	276.7	282	274	271.1
500							31	5877	269.4	273	263	..	31	5874	269.3	275	265	..
400							31	7606	258.6	261	251	..	31	7600	258.9	266	253	..
300							31	9729	243.5	248	238	..	31	9720	244.2	254	240	..
250							31	11005	233.7	238	228	..	30	10996	234.5	244	230	..
200							31	12498	221.8	228	215	..	30	12488	222.3	233	219	..
175							26	13338	215.3	221	209	..	29	13337	216.0	229	213	..
150							26	14305	208.7	215	201	..	29	14303	209.4	221	207	..
125							21	15377	202.5	208	197	..	26	15388	202.6	214	196	..
100							20	16696	197.3	202	192	..	25	16723	199.0	210	192	..
80							15	17990	200.2	204	191	..	23	18001	201.2	210	195	..
70							14	18786	203.5	209	197	..	22	18800	203.8	213	197	..
60							10	19697	206.4	209	204	..	21	19710	206.6	217	200	..
50							5	20783	211.2	215	209	..	20	20827	209.9	221	203	..
40							..	..	..	..	..	..	15	22188	213.4	225	207	..
30							..	..	..	..	..	..	13	23992	216.8	225	209	..
20							..	..	..	..	..	..	..	..	..	..	..	..
10							..	..	..	..	..	..	..	..	..	..	..	..

	NAGPUR/SONEGAON Sur. Pr. (973 mb.)						NEW DELHI/SAFDARJUNG (984 mb.)						PORT BLAIR (1000 mb.)					
Surface	31	311	305.5	309	303	290.5	31	209	304.2	308	295	289.5	31	079	299.3	301	298	297.0
1000	31	062	..	..	..	..	31	068	..	..	..	..	31	079	299.2	301	298	296.8
900	31	1008	299.6	303	295	286.9	31	1002	298.3	303	289	283.3	31	1001	294.2	301	292	291.8
850	31	1509	294.9	298	291	285.4	31	1500	294.4	298	287	280.6	31	1496	291.7	298	289	288.9
800	31	2032	289.7	293	280	282.2	31	2021	290.1	294	285	275.4	31	2015	288.9	295	285	285.5
700	31	3156	281.4	284	277	274.9	31	3143	282.3	288	277	265.4	31	3139	283.5	289	279	280.0
600	31	4419	275.8	281	271	265.0	31	4400	273.7	279	269	252.2	30	4409	277.3	282	275	273.2
500	31	5873	268.2	272	263	..	31	5840	261.7	271	260	..	30	5871	269.1	274	267	..
400	31	7594	256.9	262	252	..	31	7534	252.8	259	249	..	30	7599	258.7	265	254	..
300	31	9696	241.7	247	231	..	31	9604	238.9	247	234	..	29	9718	243.8	249	240	..
250	31	10964	232.5	239	222	..	31	10860	231.1	238	223	..	28	10990	233.8	242	229	..
200	31	12456	222.4	229	216	..	31	12344	222.7	229	217	..	28	12485	221.9	231	215	..
175	27	13311	216.5	220	211	..	29	13205	217.9	224	213	..	25	13322	214.2	219	209	..
150	27	14283	210.8	215	205	..	29	14178	213.3	224	207	..	23	14288	207.7	213	203	..
125	21	15396	205.3	209	198	..	28	15306	208.4	216	200	..	17	15369	201.2	210	198	..
100	19	16723	200.6	205	194	..	28	16653	204.4	212	196	..	13	16694	197.2	202	191	..
80	9	18039	203.1	208	199	..	25	17992	205.8	215	193	..	6	17930	201.0	205	194	..
70	9	18844	206.3	211	202	..	23	18795	207.6	217	193	..	5	18800	204.2	209	197	..
60	8	19762	209.4	215	207	..	19	19739	211.2	219	202	..	5	19717	207.4	213	199	..
50	5	20865	212.8	218	210	..	18	20865	215.0	221	210	..	..	..	..	..	..	..
40	..	..	..	..	..	..	13	22230	218.2	227	213	..	..	..	..	..	..	..
30	..	..	..	..	..	..	5	24056	218.6	220	216	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature And Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 Hours G.M.T.

October, 1965 (Asvina 9—Kartika 9, 1887 Saka)

Standard Pressure Surface mb.	SRINAGAR surf. Pr. (841 mb.)						TRIVANDRUM (1001 mb.)						VISHAKHAPATNAM (1004 mb.))					
	No. of obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point.			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	26	1588	293·9	296	287	282·7	31	064	301.1	303	297	296.7	31	041	302·0	305	298	296.7
1000	26	070	..	..	..	..	31	071	301.1	303	293	296.5	30	072	301.8	305	297	296.1
900	26	998	..	..	..	..	31	998	294.1	298	291	290.1	30	1003	296.0	304	289	288.5
850	26	1495	..	..	..	..	31	1492	291.1	295	287	287.8	30	1500	292.7	299	287	284.7
800	26	2017	290·0	293	283	275·9	31	2010	288.2	293	287	284.2	30	2021	289.4	297	284	281.8
700	26	3137	281·4	287	275	267·6	31	3131	282.5	287	279	277.4	30	3146	283.0	290	279	272.8
600	26	4389	271·7	277	267	257.8	31	4397	276.0	280	273	271.5	30	4416	277.0	282	272	265.3
500	26	5913	261·5	267	257	.	31	5853	268.3	272	265	..	30	5881	269.0	274	260	..
400	26	7381	249·7	259	245	.	31	7576	257.8	262	254	..	30	7609	258.4	263	252	..
300	25	9533	235·3	241	229		31	9682	242.8	248	238	..	29	9724	243.9	251	239	.
250	25	10773	228·1	233	221	.	30	10963	232.9	241	228	..	28	10997	234.9	241	231	..
200	23	12243	222·2	228	215	..	30	12448	221.1	229	215	..	28	12501	224.3	231	219	..
175	19	13091	218·9	228	212	..	26	13277	214.3	219	208	..	25	13351	217.9	225	212	..
150	15	14074	215·9	222	211	..	25	14248	207.5	212	202	..	25	14330	211.6	219	202	..
125	13	15245	214·1	220	208	..	21	15279	200.6	205	195	..	23	15425	206.0	213	198	.
100	11	16619	211·8	218	203	..	19	16643	198.1	203	191	..	22	16766	200.2	207	195	..
80	10	17996	211·9	220	200	..	16	17940	201.6	207	193	..	15	18085	201.7	206	196	..
70	9	18833	212·7	219	203	..	15	18752	205.0	210	199	..	14	18882	206.5	211	199	..
60	6	19722	212·0	218	205	..	13	19664	208.1	213	201	..	11	19913	204.3	212	202	..
50	6	20859	214.2	219	203	..	11	20804	212.4	217	208	..	10	20910	210.1	215	205	..
40	5	22270	215.0	220	211	..	5	22453	217·0	221	213		7	22344	214.4	219	210	
30																		
20																		
10																		

Note :—Number of observations refer to those of dynamic height.

Means are not worked out for temperatur and dew point for the 1000 mb. surface and for dew point for standard pressure surfaces with temperature less than 273°A.

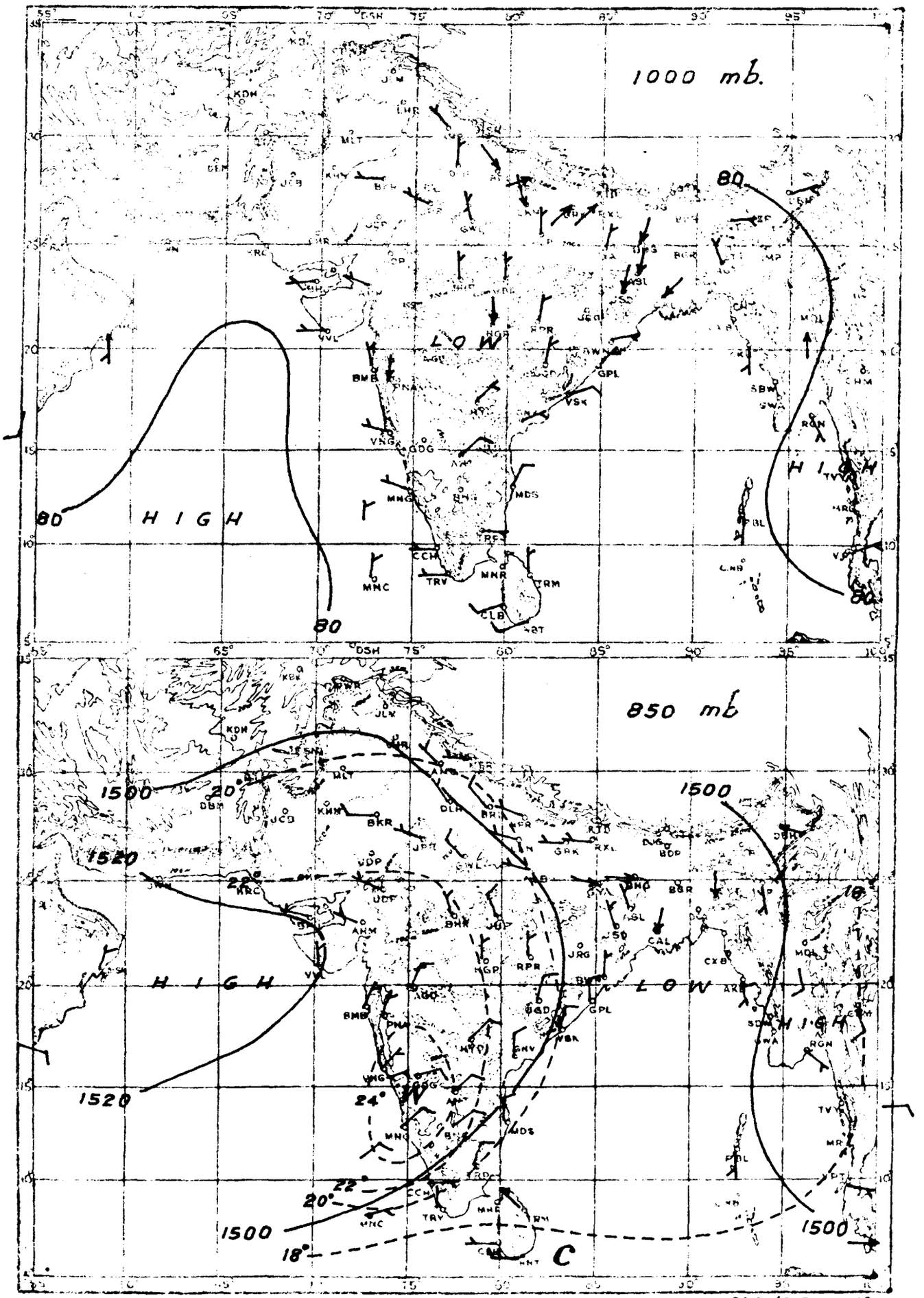
Means are not worked out for less than five observations at standard pressure surfaces.

GIPN—S8—1 D.D.G. Obs. P./69-- 15 10-69—260

MONTHLY MEAN CONSTANT PRESSURE CHARTS

OCTOBER 1965

I.Met.D. Plate I

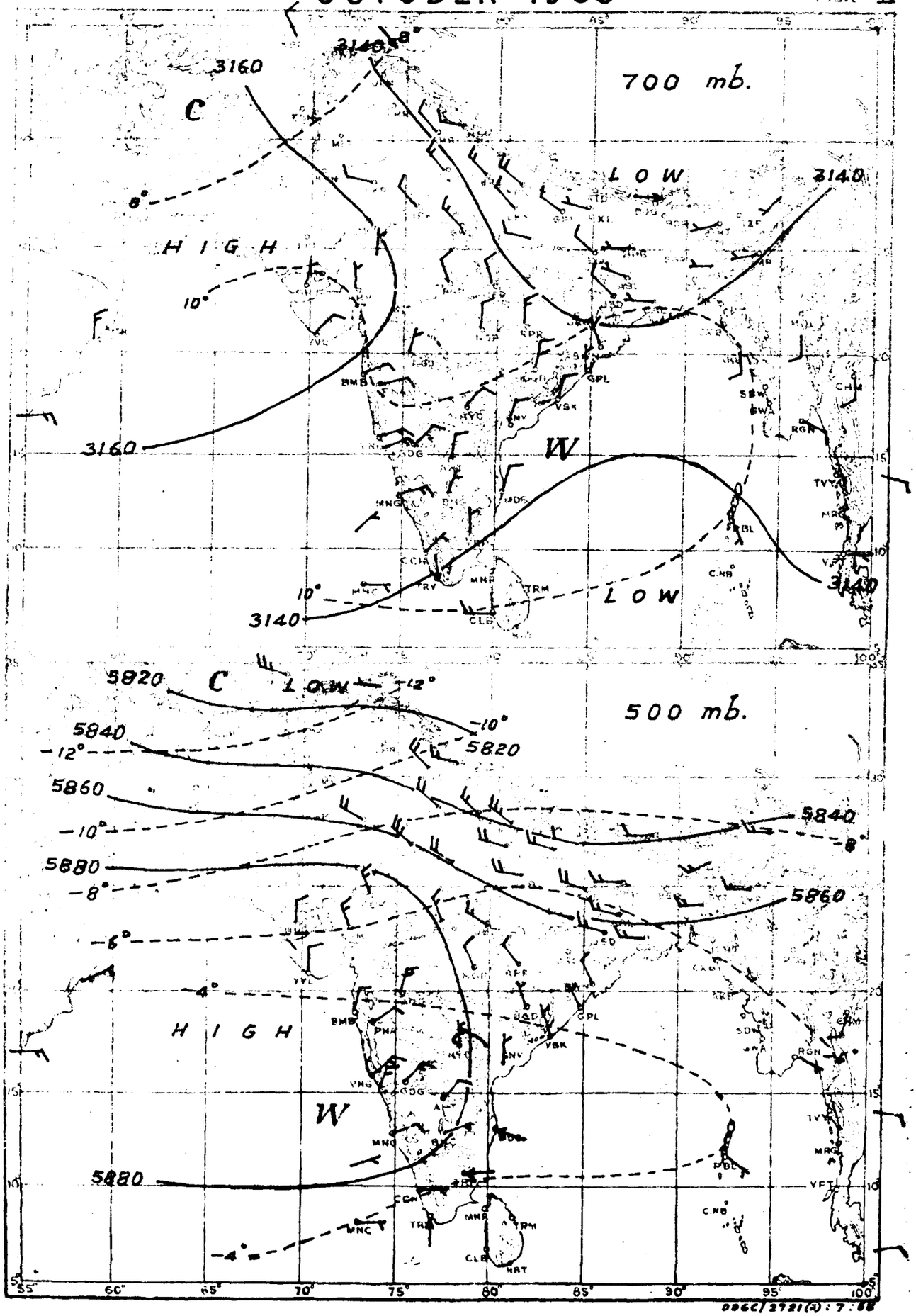


RESULTANT WIND 5 Knots, 10 Knots, 50 Knots.

MONTHLY MEAN CONSTANT PRESSURE CHARTS

OCTOBER 1965

Plate II



RESULTANT WIND — 5 Knots, — 10 Knots, — 50 Knots.

INDIA WEATHER REVIEW, 1965

Monthly Weather Report

NOVEMBER

Published by authority of the Government of India

Chief features—

(i) Spells of rainfall in the south Peninsula and another spell in the north Peninsula during the last week;

(ii) Formation of a cyclonic storm in the Bay of Bengal off north Madras coast and its unusual southward movement; and

(iii) Movement of three western disturbances across northwest India.

A well marked upper air trough lay over the northern parts of northeast India and of East Pakistan from 1st to 4th. Later it shifted northeastwards and became unimportant by 8th. Under its influence, there was good thundershower activity in Assam and Sub-Himalayan West Begal during the first week. Silchar and Pasighat recorded 5 cm of rain each on 2nd North Lakhimpur 7 cm on 7th. Mainly dry weather prevailed over the area thereafter.

The month opened with good rainfall activity in the south Peninsula also. The seasonal low over the south Bay of Bengal was quite active and an upper air cyclonic circulation developed over the southwest Bay of Bengal on 4th. It moved westwards across the south Peninsula to the southeast Arabian Sea by 6th and became unimportant later. Androth recorded 6 cm of rain on 2nd, Punalur 5 cm on 3rd, Coonoor 6 cm on 5th and Vellore 5cm on 6th.

A well marked low pressure area lay over the south Andaman Sea on 4th. Moving northwestwards it intensified into a depression by the morning of 6th with centre near Lat. 12.5°N. and Long. 85.5°E. Later it moved westwards and further intensified into a cyclonic storm of small extent by the morning of 8th, with centre near Lat. 12.5°N and Long. 81.0°E. Thereafter, it took an unusual southsouthwestward course and weakened into a depression by 9th evening and into a well marked low pressure area off the Madras coast and adjoining Ceylon by the next morning. Later it moved southwestwards to Maldive area where it became unimportant by 13th. Under its influence, heavy rains occurred in the Bay Islands and the south Peninsula. Car Nicobar recorded 13 cm of rain on 4th, 8 cm on 5th and Pamban 12 cm, Cuddalore 10 cm and Alleppey 8 cm on 10th.

A trough in the low level easterlies appeared over the south Andaman Sea on 18th. It moved slowly westwards and became well marked over the southwest Bay of Bengal on 20th. Later it weakened and moving into the Maldive area became unimportant by 24th. Under its influence, there was a spell of good rainfall in the south Peninsula. Nagapattinam recorded 9 cm of rain on 19th, Coonoor 8 cm and Madras 6 cm on 23rd and Fort Cochin 6 cm on 24th. The spell of good rainfall continued in the south Peninsula till the end of the month with the development of another trough of low pressure in the east Arabian Sea off Kerala and Mysore coasts on 25th. This system shifted progressively northwards to Gujarat State and south Rajasthan where it became unimportant by 29th. In association with it, the rainfall belt also extended northwards to Gujarat State and west Madhya Pradesh. Some of the noteworthy amounts of rainfall recorded during this spell were: Kanyakumari 7 cm and Mangalore and Arogyavaram 5 cm each on 25th, Coonoor 7 cm on 26th, Vedaranniyam and Cuddalore 6 cm each and Madras and Atirampattinam 5 cm each on 29th and Atirampattinam 7 cm on 30th. According to press reports, these rains proved timely and beneficial for the food crops and fodder in the drought hit areas of the Peninsula and Gujarat State.

The precipitation over nortwest India was meagre due to the feeble activity of western disturbances. Three western disturbances affected northwest India during the month. The first disturbance appeared over the northern divisions of West Pakistan on 4th. It moved away eastwards

"Copyright © 1964 by Manager of Publications, Government of India, Delhi-8"

across the Western Himalayas by 6th causing isolated falls of rain or snow there. The second disturbance lying over east Afghanistan and adjoining West Pakistan on 13th also moved away eastwards across the Western Himalayas by 15th. Under its influence, a few falls of rain or snow occurred in northwest India on 14th and 15th. Banihal recorded 6 cm of rain on 14th. The last disturbance was quite feeble and moving across the extreme north of the country during 26th-27th caused a few light showers there.

Night temperatures were above normal over the country outside northeast India and north Peninsula during the first week. They continued to be above normal over Uttar Pradesh till 17th and over northwest India from 10th to 14th. They were again above normal over Gujarat State, the central parts of the country and the Peninsula during the last week, being appreciably to markedly so on a number of days. Night temperatures were generally below normal over northeast India after the first week and over the north Peninsula during the third week.

The total rainfall for the month was in large excess in north Assam, Sub-Himalayan West Bengal, Jammu and Kashmir, Saurashtra and Kutch and in slight excess in Punjab. It was in slight defect in south Assam, Madras State and the Arabian Sea Islands, in moderate defect in West Rajasthan, south Interior Mysore and Kerala and in large defect over the rest of the country outside Bihar Plateau, east Uttar Pradesh, east Rajasthan, Marathwada, Vidarbha and Telangana where there was no rain.

The mean maximum temperature was above normal in the Bay Islands, Gangetic West Bengal, Orissa, Bihar Plateau, Uttar Pradesh, Punjab, Rajasthan, Madhya Pradesh, Gujarat Region, Maharashtra State, Andhra Pradesh, Interior Mysore, Kerala and the Arabian Sea Islands. It was normal over the rest of the country. The mean minimum temperature was below normal in south Assam and above normal in east Uttar Pradesh, Punjab, Jammu and Kashmir, Rajasthan, west Madhya Pradesh, Gujarat Region, Marathwada, Rayalaseema and south Interior Mysore. It was normal over the rest of the country.

The mean relative humidity in the morning was below normal in east Madhya Pradesh, Gujarat Region, Madhya Maharashtra, Marathwada and Vidarbha and normal over the rest of the country outside Bihar Plains, where it was above normal.

The mean cloud amount in the moring was above normal in Sub-Himalayan West Bengal, Bihar Plains, east Uttar Pradesh, Punjab, Jammu and Kashmir, east Rajasthan and Saurashtra and Kutch and below normal in Gangetic West Bengal, Orissa, Bihar Plateau, west Rajasthan, east Madhya Pradesh and Vidarbha. It was normal over the rest of the country.

Table I contains the divisional and sub-divisional means of rainfall, temperature, humidity and cloud amount for the 15 chief political divisions and the 32 sub-divisions. The stations whose observations are used for preparing these means are given in the subsequent tables.

The highest maximum temperature given for any station in the accompanying tables is that recorded within the 24 hours ending at 0830 hrs I. S. T. of the date noted in the succeeding column; similarly the heaviest rainfall in 24 hours for any station denotes the amount recorded during the 24 hours ending at 0830 hours I. S. T. of the date given in the succeeding column.

POONA-5,

The 12th April, 1966.

R. ANANTHAKRISHNAN,

for DIRECTOR GENERAL OF OBSERVATORIES

NOTE:-Description in respect of Himachal Pradesh is not included for want of normals.

	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative humidity in percentage		Cloud	
					0830 hrs. I.S.T.	1730 hrs. I.S.T.	0830 hrs. I.S.T.	1730 hrs. I.S.T.
1	2	3	4	5	6	7	8	9
Division								
1. Assam (Including NEFA, Nagaland Manipur and Tripura)	60·0	188	26·5	14·1	84	79	3·1	2·1
	+28·1		−0·3	−1·0	+2		+0·3	
2. West Bengal	9·6	45	29·6	17·2	72	65	1·1	1·0
	−11·7		+1·0	+0·1	0		−0·6	
3. Orissa	1·3	3	30·4	17·3	69	58	1·7	1·9
	−42·0		+1·7	−0·6	−2		−0·6	
4. Bihar	0·8	8	28·9	14·5	73	64	1·4	1·0
	−9·7		+1·1	−0·2	+3		0	
5. Uttar Pradesh	0·1	2	29·9	13·3	69	51	0·9	0·8
	−5·7		+1·7	+1·2	+3		+0·1	
6. Punjab (Including Delhi & Himachal Pradesh)*	5·4	123	29·5	11·9	66	44	1·3	1·4
	+1·0		+2·0	+2·5	+5		+0·3	
7. Jammu and Kashmir.	11·0	175	17·4	−1·9	67	56	2·9	3·0
	+4·7		+0·5	+1·7	+2		+1·0	
8. Rajasthan	0·6	14	31·8	14·1	52	30	0·9	0·8
	−3·8		+1·7	+1·4	+1		+0·1	
Sub-Division								
1. Bay Islands	121·4	45	30·5	22·9	75	82	4·7	5·0
	−145·8		+1·7	−0·2	−1		+0·1	
2. North Assam (including NEFA)	73·6	305	25·9	14·7	85	81	3·1	2·1
	+49·5		−0·7	−0·8	+2		+0·2	
3. South Assam (including Nagaland, Manipur&Tripura)	36·1	80	28·0	13·0	80	72	3·1	2·0
	−9·3		+0·4	−1·6	+2		+0·5	
4. Sub-Himalayan West Bengal.	35·3	343	28·0	15·5	76	71	1·6	1·2
	+25·0		+0·1	+0·1	+2		+0·4	
5. Gangetic, West Bengal.	0·2	1	30·0	17·7	71	64	1·0	0·9
	−25·0		+1·3	+0·1	0		−0·8	
6. Orissa	1·3	3	30·4	17·3	69	58	1·7	1·9
	−42·0		+1·7	−0·6	−2		−0·6	
7. Bihar Plateau	0	0	29·2	14·0	66	59	0·8	0·9
	−14·1		+1·8	−0·3	−1		−0·9	
8. Bihar Plains	1·3	15	28·5	14·8	78	68	1·9	1·1
	−7·3		+0·5	0	+6		+0·8	
9. Uttar Pradesh, East.	0	0	30·0	14·0	72	54	1·1	0·6
	−6·7		+1·5	+1·4	+4		+0·3	
10. Uttar Pradesh, West.	0·3	6	29·6	12·2	64	47	0·6	1·0
	−4·4		+1·9	+0·9	+1		−0·1	
11. Punjab (including Delhi).	5·4	123	29·5	11·9	66	44	1·3	1·4
	+1·0		+2·0	+2·5	+5		+0·3	
12. Himachal Pradesh	7·9		26·9	8·2	87	49	1·1	1·9
	..		..	..	..		..	
13. Jammu and Kashmir.	11·0	175	17·4	−1·9	67	56	2·9	3·0
	+4·7		+0·5	+1·7	+2		+1·0	
14. Rajasthan West	1·3	72	32·5	14·4	53	30	0·6	0·6
	−0·5		+1·8	+1·6	+3		−0·4	
15. Rajasthan East	0	0	31·2	13·9	52	30	1·2	1·0
	−7·1		+1·7	+1·3	−1		+0·4	

	Rainfall (millimetres)	Percentage of normal	Mean Maximum temperature °C	Mean minimum temperature °C	Relative humidity in percentage		Cloud	
					0830 hrs. I.S.T.	1730 hrs. I.S.T.	0830 hrs. I.S.T.	1730 hrs. I.S.T.
1	2	3	4	5	6	7	8	9
Division—*Contd*								
9. Madhya Pradesh	0·5	4	30·2	13·7	55	36	1·1	1·4
	−12·8		+1·8	+0·9	−6		−0·4	
10. Gujarat State (including Diu, Daman, Dadra and Nagar Haveli)	5·2	116	33·5	18·3	57	39	1·4	1·5
	+0·7		+1·0	+1·1	−1		+0·2	
11. Maharashtra State (including Goa)	2·5	11	32·5	17·7	54	39	1·9	2·4
	−21·1		+2·0	+0·6	−8		−0·2	
12. Andhra Pradesh	22·3	29	31·6	20·1	69	53	3·1	3·6
	−53·5		+1·7	+0·5	−3		−0·3	
13. Madras State (including Pondicherry)	173·6	76	30·2	22·9	80	73	5·4	5·7
	−54·1		+0·4	+0·4	−1		+0·8	
14 Mysore	19·3	37	30·9	19·4	68	46	3·4	4·0
	−32·5		+1·6	+1·0	−3		0	
15. Kerala	113·5	64	31·3	23·9	81	74	4·8	5·6
	−65·2		+1·1	+0·3	−1		+0·2	
Sub-Division—*Contd.*								
16. Madhya Pradesh, West.	0·7	5	30·5	13·7	50	32	1·1	1·3
	−14·2		+1·7	+1·1	−5		−0·1	
17. Madhya Pradesh, East	0·1	1	29·9	13·7	61	42	1·1	1·6
	−11·0		+2·0	+0·5	−8		−0·7	
18. Gujarat Region (including Daman, Dadra and Nagar Haveli)	4·2	72	34·7	17·9	52	31	1·3	1·4
	−1·6		+1·4	+1·7	−8		+0·1	
19. Saurashtra and Kutch (including Diu)	5·7	154	32·7	18·5	59	43	1·4	1·6
	+2·0		+0·7	+0·7	+2		−0·3	
20. Konkan (including Goa)	1·9	8	33·5	22·1	65	64	2·1	2·4
	−23·1		+1·7	+0·8	−3		−0·3	
21. Madhya Maharashtra	5·4	19	32·5	16·0	52	31	2·2	2·6
	−23·4		+2·1	+0·6	−10		+0·1	
22. Marathwada	0	0	32·1	16·3	43	26	2·1	2·3
	−27·4		+1·9	+1·1	−13		−0·1	
23. Vidarbha	0	0	34·7	16·2	50	32	1·4	2·1
	−14·8		+2·0	+0·5	−11		−0·6	
24. Coastal Andhra Pradesh.	40·0	32	31·1	21·3	73	66	3·6	4·2
	−84·7		+1·4	0	−2		−0·2	
25. Telangana	0	0	32·1	17·9	65	38	2·4	2·6
	−18·7		+2·2	+0·7	−5		−0·4	
26. Rayalaseema	16·3	32	31·9	21·1	68	50	3·2	3·8
	−32·7		+1·3	+1·3	−4		−0·3	
27 Madras State (including Pondicherry)	173·6	76	30·2	22·9	80	73	5·4	5·7
	−54·1		+0·4	+0·4	−1		−0·8	
28. Coastal Mysore	16·8	28	32·6	22·6	69	63	3·0	3·0
	−43·9		+0·9	+0·6	−5		−0·5	
29. Interior Mysore, North	0·4	1	31·5	18·7	59	37	3·1	3·7
	−33·1		+1·9	+0·9	−4		+0·5	
30. Interior Mysore, South	36·5	57	29·6	18·7	75	47	3·9	4·7
	−27·2		+1·7	+1·3	−2		−0·2	
31. Kerala	113·5	64	31·1	23·9	81	74	4·8	5·6
	−65·2		+1·1	+0·3	−1		+0·2	
32. Arabian Sea Islands	86·3	80	31·4	24·3	79	73	4·3	5·9
	−21·7		+1·4	+0·5	+3		+0·3	

NOTE.—The entries in the second line for each division and sub-division indicate departures from normal.

*Data of Himachal Pradesh not included.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed kms. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28	29
Bay Islands																														
Maya Bandar.	29·6	..	31·3	9	24·2	..	22·2	13	31·6	108·6	..	35·0	4	7	..	14·5	10·1	..	0	10	0	0	3	0	0	0	0	0	0
Long Island .	30·1	..	30·7	9	21·6	..	19·4	12,13	23·0	122·9	..	36·8	5	7	..	4·0	2·9	..	0	11	0	0	0	0	0	0	0	0	0
Port Blair .	30·5	+1·7	32·0	18	22·9	−0·2	21·0	13	29·6	121·4	−145·8	28·6	19	12	−1·6	9·1	7·5	−6·0	0	16	0	0	3	1	0	0	0	0	0
Car Nicobar .	29·9	..	30·8	21	23·7	..	20·9	7	145·2	300·9	..	128·3	4	11	..	6·1	4·2	..	0	15	0	0	2	0	0	0	0	0	0
Nancowry .	31·0	..	33·1	21	24·5	..	22.8	30	176·9	333·4	..	72·8	29	17	..	2·5	1·5	..	1	20	0	0	5	0	0	0	0	0	0
Kondul .	29·0	..	30·0	6	24·2	..	22.8	11	97·2	266·0	..	39·2	4	15	..	..	..	..	0	19	0	0	2	0	0	0	0	0	0
North Assam (Including NEFA)																														
Pasighat .	25·4	..	27 6	18,20, 21	13·5	..	11·0	8	29·3	131·1	..	45·8	2	5	..	7·9	13·2	..	0	6	0	0	1	0	0	0	0	0	0
Dibrugarh (Mohanbari)	25·6	+0·1	28·1	21	12·2	−2·2	8·8	22,24	22·9 (b)	137·0	+103·5	83·0	6	5	+2·5	4·4	2·7	+1·1	0	6	0	0	3	5	0	0	0	0	0
Digboi . .	26·4	..	28·3	1	17·8	..	15·1	30	22·8	75·8	..	29·8	7	4	..	..	..	..	0	6	0	0	0	0	0	0	0	0	0
North Lakhimpur	26·0	−1·7	27·7	5	12·1	−1.8	8·7	21,22	22·3	159·9	+131·9	74·0	5	5	+2·9	3·7	2·8	..	0	6	0	0	1	2	0	0	0	0	0
Sibsagar .	25·7	+0·1	28·1	15	14·5	−0.9	11·5	22	7·5	64·4	+33·4	24·0	5	5	+2·7	4·5	3·4	+1·6	0	7	0	0	1	23	0	0	0	0	0
Golpur .	25·3	..	27·3	1	12·0	..	8·3	22	8·8	51·7	..	17·4	7	4	..	4·3	3·0	..	0	5	0	0	0	18	0	0	0	0	0
Majbat .	26·5	..	28·9	17	17·4	..	14·0	22	14·0	44·6	..	16·6	2	4	..	5·2	3·2	..	0	5	0	0	3	0	0	0	0	0	0
Jorhat (Aerodrome).	25·6	..	27·6	14	13·8	..	10·6	21,30	17·0	63·0	..	21·9	7	5	..	..	..	..	0	5	0	0	3	29	0	0	0	0	0
Tangla . .	29·4	..	33·2	9	15·1	..	10·3	22,23	0	38·4	..	26·2	2	2	..	3·2	2·6	..	0	2	0	0	0	0	0	0	0	0	0
Tezpur . .	26·5	−0·7	30·6	15	17·1	+0.7	14·8	22	3·1	53·2	+30·3	24·1	1	3	+1·2	5·9	4·3	+1·9	0	8	0	0	3	0	0	0	0	0	0
Golaghat .	25·8	..	27·6	13	14·6	..	10·4	24,30	21·6	61·2	..	18·2	7	6	..	..	..	..	0	6	0	0	0	0	0	0	0	0	0
Rangia .	26·5	..	27·9	14	14·4	..	10·1	22	9·0	17·2	..	9·0	6	3	..	8·6 (d)	5·7 (c)	..	0	3	0	0	1	0	0	0	0	0	0
Chaparmukh .	27·6	..	30·0	21	16·1	..	12·8	22	0	0	..	0	..	0	..	5·0	3·2	..	0	0	0	1	0	4	0	0	0	0	0
Goalpara .	27·2	..	29·1	6,18, 20	12·6	..	9·9	24,25 26	9·4	65·6	..	41·4	6	4	..	4·5	3·2	..	0	5	0	0	0	0	0	0	0	0	0
Gauhati (Borjor).	26·1	−1·3	27·7	5	15·5	+0.9	10·0	22	6·5	28·4	+14·4	11·1	2	3	+1·8	7·0	3·8	..	0	5	0	0	3	31	0	0	0	0	0
Dhubri (Rupsi).	26·1	..	27·6	13	15·1	..	11·7	23	18·7	138·3	..	48 0	5	5	..	7·8	7·4	..	0	5	0	0	4	1	0	0	0	0	0
Dhubri . .	24 9	−1·4	26·6	6	16·2	−1.6	13·9	25	18 0	169·8	+59·6	33·8	6	3	+2·3	16·7	8·3	+1·9	0	3	0	0	0	0	0	0	0	0	0
Lumding .	26 5	+0 3	30·0	7	15·0	−0 4	10·4	22	0	2·8	−26·4	2·8	1	1	−0 9	4·1	2·7	.	0	1	0	0	0	0	0	0	0	0	0
South Assam (including Nagaland, Manipur and Tripura)																														
Tura . .	27 0	..	29·9	3	16·7	..	14·8	15	45·8	72·5	..	40·7	2	4	..	3·2	5·0	..	0	4	0	0	0	0	0	0	0	0	0
Haflong .	21·0	..	24·0	1	13·2	..	11·7	17	2·4	26 7	−33·8	12·3	2	3	+0·8	5·3	2·8	..	0	4	0	0	1	1	0	0	0	0	0
Silchar (Kumbhirgram).	28·6	..	30·5	12	16·5	..	14·7	22	8·9	46·2	..	12·8	6	6	..	4·7	7·2	..	0	7	0	0	1	0	0	0	0	0	0
Silchar .	29·3	−0·1	30·9	28	16·1	−1·4	14·0	22	5·2	95·0	+50·5	52·0	2	5	+2·9	1·3	0·9	−0·7	0	7	0	0	3	0	0	0	0	0	0
Imphal (Tulihal).	25·2	+0·4	26·9	15	7·5	−2·6	2·8	22	1·6	4·7	−23 4	2·5	1	1	−0·5	4·3	2·6	−0·7	0	3	0	0	0	7	0	0	0	0	0
Kailashahar	23·9	..	30·6	8,13	16·2	..	13·4	21	0·8	59·9	..	24·8	2	4	..	3·5	2·0	..	0	5	0	0	4	12	0	0	0	0	0
Agartala .	29·6	+0·8	31·1	8	15·3	−0·9	11·9	24,27	0	18·2	−30·5	15·8	4	1	−0·7	4·4	2·3	−1·0	0	2	0	0	2	4	0	0	0	0	0
Sub-Himalayan West Bengal																														
Baghdogra .	28·1	−0·4	30·6	21	13·1	−1·0	9·0	25	1·4	35·1	+29·1	15·1	1	3	+2·6	7·3	7·2	+4·4	0	4	0	0	1	0	0	0	0	0	0
Jalpaiguri .	27·5	−0·3	30·3	21	15·9	0 1	12·8	22	5·9	29·1	+16·6	21·8	1	2	+1·2	6·0	4·8	+3·2	0	4	0	0	2	0	0	0	0	0	0
Cooch Behar .	26·5	..	28 2	21	14 0	..	9·9	2	33·0	77·0	+65·6	33·4	6	4	+3·2	7·1	4·1	..	0	5	0	1	3	1	0	0	0	0	0
Balurghat .	28·5	..	31·7	7	16·2	..	13·0	24	0	0	..	0	..	0	..	3·6	3·2	..	0	0	0	0	0	0	0	0	0	0	0
Malda . .	28·3	+0·1	31·9	6	17.5	+1·3	15·0	21	0	0	−11·4	0	..	0	−0·7	2·7	1·9	−2·0	0	0	0	0	0	0	0	0	0	0	0
Gangetic West Bengal																														
Berhampore .	29·6	+1·4	33.4	8	17·7	+0·1	14·6	24	0	2·2	−14·3	2·2	1	0	−0·7	3·0	1·7	+0·1	0	1	0	0	0	4	0	0	0	0	0
Suri . .	29·7	..	34·1	8	16·9	..	13·6	24	..	0	..	0	..	0	..	..	3·3	..	0	0	0	0	0	0	0	0	0	0	0
Asansol . .	30·9	+2·1	35·0	8	15·5	−0·1	12·3	29	0	0	−14·5	0	..	0	−1·0	6·9	4·1	−0·9	0	0	0	0	0	3	0	0	0	0	0
Shanti Niketan	29·7	..	33·6	8	17·0	..	13·6	25	0	0	..	0	..	0	..	5·8	5·7	..	0	0	0	0	0	2	0	0	0	0	0
Krishnanagar.	31·2	+2·1	34·8	8	16·3	−0·5	12·7	24	0	0	−24·9	0	..	0	−1·2	2·2	1·7	−0·2	0	0	0	0	0	0	0	0	0	0	0
Purulia .	29·5	+1·4	34·1	8	16·6	0	14·0	27	0	0	−19·0	0	..	0	−1·1	5·1	3·2	0	0	0	0	0	0	0	0	0	0	0	0
Bankura .	31·2	..	35·2	8	16·8	..	13·7	26	0	0	−16·5	0	..	0	−1·1	1·0	1·1	..	0	0	0	0	0	0	0	0	0	0	0
Burdwan .	29·8	+1·0	33·4	3	18·3	+0·6	15·0	26	0	0	−21·8	0	..	0	−1·0	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Borrackpore (Aerodrome)	30·0	..	33 8	10	18·0	..	14·2	24	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0

(b) Mean of 29 days. (c) Mean of 28 days. (d) Mean of 27 days.

TABLE II—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER—NOVEMBER, 1965 (KARTIKA 10—AGRAHAYANA, 9, 1887 SAKA)

Sub-Division and station	Air Temperature in °C								Rainfall in millimetres					No. of rainy days (2·5 mm. or more)		Wind speed, kms. per hour			Weather phenomena—No. of days with										
	Mean Maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hrs	Departure from normal	Precipitation (0.1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28	29
Gangetic West Bengal—(*Contd.*)																													
Calcutta (Dum-Dum)	30·1	+1·1	34·1	8	18·3	+0·6	14·6	13	0	0	−28·6	0	..	0	−1·1	5·3	3·2	−0·7	0	0	0	0	0	1	0	0	0	0	0
Calcutta .	30·6	+1·6	33·6	3	19·0	+1·4	16·2	25	0	0	−20·6	0	..	0	−1·1	7·2	4·2	+1·1	0	0	0	0	0	0	0	0	0	0	0
Midnapore .	29·9	+0·8	33·6	3	16·2	−1·2	12·9	26	0	0	−22·1	0	..	0	−1·1	5·8	3·4	+1·3	0	0	0	0	0	0	0	0	0	0	0
Contai . .	30·2	+1·3	33·5	5	18·1	−0·7	14·6	26,27	0	0	−60 0	0	..	0	−2·2	4·1	2·8	−0·2	0	0	0	0	0	0	0	0	0	0	0
Sagar Island	28·5	+0·6	30·6	9	21·0	+1·3	17·3	26,27	0	0	−32·5	0	..	0	−1·3	14·4	12·2	+3·3	0	0	0	0	0	3	0	0	0	0	0
Sandheads .	29·9	..	31·4	5	24·4	..	22·1	29	0	0	−69·9	0	..	0	−2·5	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Orissa																													
Baripada .	30·8	..	35·0	3	15·9	..	13·3	26,27	0	0	..	0	..	0	..	3·1	1·5	..	0	0	0	0	0	0	0	0	0	0	0
Jharsuguda .	31·0	+1·9	34·3	3	15·5	+0·4	13·5	21	0	0	−6·5	0	..	0	−0·7	7·0	5·2	−0·7	0	0	0	0	0	0	0	0	0	0	0
Keonjhargarh.	27·9	..	31·4	3,5	..	..	..	..	0	0	..	0	..	0	..	4·8	3·3	..	0	0	0	0	0	0	0	0	0	0	0
Balasore .	30·2	+1·1	33·8	5	16·2	−1·1	13·4	21,26	0	0	−38·1	0	..	0	−1·5	6·6	4·1	+1·5	0	0	0	0	0	0	0	0	0	0	0
Sambalpur .	31·5	+2·7	34·4	4,5	16·2	−0·1	12·5	20,21 22	0	0	−20·6	0	..	0	−1·0	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Angul . .	30·6	+1·8	33·5	5	15·1	−1·7	12·4	20	0	0	−28·2	0	..	0	−1·4	4·7	3·4	−1·4	0	0	0	0	0	0	0	0	0	0	0
Chandbali .	29·9	+1·0	33·6	4	17·9	−0·7	14·0	20	0	0	−41·9	0	..	0	−1·5	7·2	4·9	−0·2	0	0	0	0	0	0	0	0	0	0	0
Bolangir .	31·2	..	34·6	5	16·3	..	12·8	20	0	0	..	0	..	0	..	2·8	2·2	..	0	0	0	0	0	0	0	0	0	0	0
Phulbani .	29·2	..	32·5	4	12·2	..	8·8	20	0	0	..	0	..	0	..	3·4	1·5	..	0	0	0	0	0	0	0	0	0	0	0
Cuttack .	32·3	+2·9	35·5	4	18·4	−0·4	15·2	20,30	0	0	−41·1	0	..	0	−1·6	2·9	2·5	+ ·6	0	0	0	0	0	0	0	0	0	0	0
Titlagarh .	32·7	..	35·6	7	16·0	..	12·8	21	0	0	..	0	..	0	..	3·0	(b) 2·3	..	0	0	0	0	0	0	0	0	0	0	0
Bhubaneswar .	30·9	+1·5	34·3	4	17·7	−0·3	15·2	30	0	0	−50·5	0	..	0	−1·6	9·6	6·2	−1·1	0	0	0	0	0	0	0	0	0	0	0
Puri .	30·2	+1·0	32·8	9	19·7	−1·0	16·9	30	0	0	−81·0	0	..	0	−2·4	12·7	9·9	+0·7	0	0	0	0	0	0	0	0	0	0	0
Gopalpur .	30·4	+1·5	32·6	5	19·0	−0·6	17·1	20,21	12·8	13·2	−86·6	12·8	24	1	−1·8	11·5	8·7	−1·3	0	2	0	0	0	0	0	0	0	0	0
Koraput	27·1	+1·7	29·4	4	..	..	..	..	0	0	−25·6	0	..	0	−1·8	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Bihar Plateau																													
Dumka .	29·8	+1·8	34·6	10	16·5	+1·2	12·4	27	0	0	−13·7	0	..	0	−0·8	3·9	2·3	+0·5	0	0	0	0	0	3	0	0	0	0	0
Daltonganj .	30·2	+2·2	35·0	2	13·3	+0·9	10·0	30	0	0	−14·2	0	..	0	−0·8	4·6	2·8	+0·4	0	0	0	0	0	0	0	0	0	0	0
Hazaribagh .	26·1	+0·8	30·0	2	12·6	+4·4	9·1	25	0	0	−14·2	0	..	0	−0·9	8·4	6·0	−0·9	0	0	0	0	0	1	0	0	0	0	0
Dhanbad .	29·9	..	34·5	2,3	16·7	..	14·5	4 days	0	0	..	0	..	0	..	2·5	2·1	..	0	0	0	0	0	0	0	0	0	0	0
Ranchi . .	29·3	+4·0	31·6	3,9	12·1	−1·9	7·6	26	0	0	−15·5	0	..	0	−1·0	3·2	2·6	−1·7	0	0	0	0	0	0	0	0	0	0	0
Ranchi (Aerodrome.)	26 4	..	31·2	3	14·6	..	11·9	19	0	0	..	0	..	0	..	11·0	7·7	..	0	0	0	0	0	0	0	0	0	0	0
Jamshedpur .	30·3	+0·9	33·4	3,4	15·3	+0·3	12·4	19,26	0	0	−9·4	0	..		−0·7	5·2	3·4	+0·8	0	0	0	0	0	0	0	0	0	0	0
Jamshedpur (P.B.O.)	29·7	..	33·5	3	15·6	..	12·9	26	0	0	..	0	..	0	..	5·6	3·0	..	0	0	0	0	0	0	0	0	0	0	0
Chaibasa .	29.6	+1·3	33·0	3,4,8	14·4	−1·0	11·6	30	0	0	−17·8	0	..	0	−1·0	3·5	2·5	+0 6	0	0	0	0	0	0	0	0	0	0	0
Bihar Plains																													
Motihari .	27·4	−0·5	29·9	7	13·3	0	7·1	30	0	2·4	−3·7	1·8	5	0	−0·3	3·3	1·8	−0 8	0	2	0	0	0	0	0	0	0	0	0
Forbesganj .	27·3	..	29·2	21	15·1	..	10·4	29	0	10·6	..	6·6	1	2	..	2·7	1·4	..	0	2	0	0	0	3	0	0	0	0	0
Darbhanga .	26.4	−1·9	30·4	12	15·8	+0 5	10·8	30	0	9·2	+2·3	9·2	1	1	+0·6	2·3	1·8	+0·4	0	1	0	0	0	0	0	0	0	0	0
Muzaffarpur .	..	..	..	..	..	..	..	..	..	0	−7·4	0	..	0	−0·5	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Chapra . .	29·9	..	33·6	7	16·7	..	11·2	30	0	0	−9.1	0	..	0	−0·5	0·9	0·7	..	0	0	0	0	0	3	0	0	0	0	0
Purnea . .	28·0	0	29·9	12	12·2	−2·6	8·5	24	2·6	2·6	−6·0	2·6	2	1	+0·5	0·3	0·1	−1·5	0	1	0	0	0	0	0	0	0	0	0
Patna . .	30·0	+2·2	33·3	7	15·9	−0·2	9·8	30	0	0	−8·6	0	..	0	−0·5	3·3	3·4	+1·0	0	0	0	0	0	1	0	0	0	0	0
Patna Aerodrome.	28·9	..	32·6	7	15·2	..	9·0	30	0	0	..	0	..	0	..	4·4	2·1	..	0	0	0	0	1	10	0	0	0	0	0
Arrah .	..	..	..	..	..	..	..	..	..	0	−9·4	0	..	0	−0·6	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Bhagalpur .	29·3	+0·2	33·0	6	17·2	+0·5	13·4	29	0	0	−5·0	0	..	0	−0·3	4·9	3·6	+0·2	0	0	0	0	0	4	0	0	0	0	0
Sabaur .	29·6	+1·7	33·0	6	14·7	+0·9	10·2	29	0	0	−9·7	0	..	0	−0·7	4·4	2·6	−1·4	0	0	0	0	0	3	0	0	0	0	0
Jamui . .	29·7	..	33·9	6,7	15·4	..	11·0	27	0	0	..	0	..	0	..	3·4	2·3	..	0	0	0	0	0	2	0	0	0	0	0
Dehri . .	29·9	..	34·5	7	15·6	..	10·5	30	0	0	−11·7	0	..	0	−0·7	4·9	3·4	..	0	0	0	0	0	3	0	0	0	0	0
Gaya . .	29·1	+1·7	33·3	7	14·6	+0·7	9·4	30	0	0	−12·5	0	..	0	−0·7	5·4	3·9	−0·8	0	0	0	0	0	1	0	0	0	0	0
Uttar Pradesh East																													
Kheri (R) .																													
Bahraich .	30·0	+1·7	33·4	7	14·7	+1·3	9·9	30	0	0	−7·1	0	..	0	−0·5	3·5	1·9	0	0	0	0	0	0	0	0	0	0	0	0

(b) Mean of 29 days.

(R) Register not received.

TABLE II—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER—NOVEMBER 1965 (KARTIKA 10—AGRAHAYANA 9, 1887 SAKA)

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy day (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena —No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from Normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Uttar Pradesh East—(*Contd.*)																														
Nautanwa	25·3	..	30·4	7,8,11	13·8	..	9·8	30	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Hardoi	31·1	+1·0	34·2	1	13·2	+1·0	9·0	30	0	0	—1·9	0	..	0	—0·2	3·6	2·4	—0·7	0	0	0	0	0	0	0	0	0	0	0
Gonda	29·5	+0·8	33·0	7	13·0	+0·3	7·8	29	0	0	—5·1	0	..	0	—0·5	2·2	2·0	—0·7	0	0	0	0	0	0	0	0	0	0	0
Lucknow	29·3	+0·5	33·6	1	14·1	+1·8	10·1	29	0	0	—5·6	0	..	0	—0·4	0·7	0·2	—1·2	0	0	0	0	0	0	0	0	0	0	0
Lucknow (Amausi).	29·5	+1·4	33·9	1	12·6	+2·2	8·1	29	0	0	—5·6	0	..	0	—0·4	6·4	3·7	..	0	0	0	0	0	0	3	0	0	0	0
Faizabad	29·8	..	32·8	7	14·0	..	9·0	30	0	0	..	0	..	0	..	2·4	1·2	..	0	0	0	0	0	0	0	0	0	0	0
Gorakhpur	29·7	+1·9	33·0	3	15·1	+2·0	10·3	29	0	0	—4·8	0	..	0	—0·3	3·9	1·9	+0·6	0	0	0	0	0	0	0	0	0	0	0
Kanpur	30·1	+1·9	34·7	6	11·4	+2·2	10·1	29	0	0	—8·9	0	..	0	—0·4	8·3	4·3	+0·3	0	0	0	0	0	0	0	0	0	0	0
Kanpur (Aerodrome).	29·9	..	34·2	6	14·0	..	9·6	29	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Sultanpur	28·2	..	32·0	7	14·0	..	9·5	30	0	0	..	0	..	0	..	2·2	1·8	..	0	0	0	0	0	0	0	0	0	0	0
Azamgarh	30·5	..	33·9	1,6,7	13·0	..	7·4	30	0	0	..	0	..	0	..	3·0	1·5	..	0	0	0	0	0	0	0	0	0	0	0
Fatehpur	30·8	+1·4	35·8	1	13·9	+1·3	9·7	29	0	0	—2·3	0	..	0	—0·4	5·0	2·2	—0·2	0	0	0	0	0	0	0	0	0	0	0
Ballia	28·8	..	33·5	7	17·9	..	12·4	29	0	0	..	0	..	0	..	2·5	1·8	..	0	0	0	0	0	3	0	0	0	0	0
Banda	30·0	..	36·0	4	14·4	..	10·6	30	0	0	..	0	..	0	..	1·6	0·6	..	0	0	0	0	0	0	0	0	0	0	0
Allahabad (Bamhirauli)	31·1	+2·5	25·9	7	14·7	+2·3	10·4	29,30	0	0	—7·9	0	..	0	—0·5	3·6	1·7	—1·0	0	0	0	0	0	0	0	0	0	0	0
Varanasi (Babatpur).	30·1	+1·7	34·2	7	14·1	+1·3	8·2	30	0	0	—14·9	0	..	0	—0·2	6·1	4·7	—0·4	0	0	0	0	0	3	0	0	0	0	0
Varanasi	30·8	+2·5	35·2	7	14·6	+1·3	8·9	30	0	0	—9·4	0	..	0	—0·6	4·5	2·1	—0·5	0	0	0	0	0	0	0	0	0	0	0
Uttar Pradesh West																														
Mukhim	18·2	..	21·2	3	7·9	..	4.5	29	0	1·3	..	1·3	6	0	..	..	..	..	0	1	0	0	1	0	0	0	0	0	0
Tehri	26·8	..	29·3	1	10·0	..	5·1	28	0·1	3·0	..	3·0	6	1	..	2·7	1·4	..	0	1	0	0	1	0	0	0	0	0	0
Dehra Dun	25·6	+1·5	28·0	1	10·2	—0·4	6·2	29	2·1	2·1	—6·8	2·1	15	0	—0·7	4·2	3·7	+0·8	0	1	0	0	1	0	0	0	0	0	0
Mansiari	14·3	..	17·1	10	5·4	..	1·9	29	..	87·9	..	59·6	1	5	..	..	..	..	0	6	0	0	0	0	0	0	0	0	0
Roorkee	28·3	+1·9	32·0	1	10·1	+0·3	4·2	28	0·8	0·8	—5·0	0·8	15	0	—0·5	3·9	2·3	+0·7	0	1	0	0	0	0	0	0	0	0	0
Najibabad	29·0	..	32·9	1	9·7	..	4·9	28	0	0	..	0	..	0	..	4·4	3·4	..	0	0	0	0	0	0	0	0	0	0	0
Meerut	30·4	+2·8	34·0	2	10·5	0	7·4	25	0	0	—3·3	0	..	0	—0·3	..	3·0	..	0	0	0	0	0	0	0	0	0	0	0
Bareilly	30·6	+3·0	33·7	2	14·5	+2·6	9·7	27	0	0	—4·6	0	..	0	—0·3	5·9	3·6	+2·3	0	0	0	0	0	1	0	0	0	0	0
Aligarh	..	..	..	..	13·0	+0·7	10·2	20	0	0	—0·8	0	..	0	—0·1	7·3	4·6	—0·1	0	0	0	0	0	0	0	0	0	0	0
Mainpuri	30·8	+1·6	34·8	1	12·1	+0·3	8·8	30	0	0	—3·8	0	..	0	—0·3	4·0	2·0	+0·6	0	0	0	0	0	0	0	0	0	0	0
Agra	30·6	+1·5	36·0	1	13·3	+2·2	10·4	26	0	0	—3·6	0	..	0	—0·3	1·8	1·4	—2·0	0	0	0	0	0	0	0	0	0	0	0
Agra (Aerodrome.)	31·1	..	35·6	1,2	11·8	..	9·3	27	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Orai	30·3	..	35·0	4*days*	14·7	..	11·0	30	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Jhansi	30·9	+1·2	36·4	1	14·0	+1·3	10·0	28	0	0	—7·4	0	..	0	—0·5	1·8	1·7	—0·1	0	0	0	0	0	0	0	0	0	0	0
Punjab (Including Delhi)																														
Pathankot	27·9	+2·0	33·3	2	12·3	+2·5	7·7	28,29	0	11·3	+1·3	11·3	14	1	+0·2	..	..	..	0	1	0	0	1	0	0	0	0	0	0
Bhuntar	22·6	..	27·1	3	4·9	..	0	30	0·7	15·5	..	8·5	14	2	..	6·5	4·3	..	0	5	0	0	5	0	0	0	0	0	0
Amritsar (Rajsansi)	28·3	+1·8	34·2	1	11·0	+2·7	6·2	29	0	10·6	+3·2	10·6	14	1	+0·4	5·5	4·8	—0·4	0	1	0	0	1	0	0	6	0	0	0
Adampur (Aerodrome.)	29·0	..	33·5	2,3	9·2	..	4·4	28,29	0	9·4	..	9·4	14	1	..	..	..	..	0	1	0	0	2	2	0	0	0	0	0
Ludhiana	30·6	+3·2	35·8	2	8·5	—2·1	3·4	29,30	0	9·2	+5·9	9·2	14	1	+0·6	3·6	2·2	+0·9	0	1	0	0	1	0	1	0	0	0	0
Ferozepore	29·3	..	34·8	7	11·4	..	6·1	28	0	5·0	..	5·0	14	1	..	2·7	1·8	..	0	1	0	0	1	0	0	0	0	0	0
Halwara (Aerodrome).	28·9	..	34·1	1	9·1	..	3·9	29	1·1	10·7	..	9·6	14	1	..	..	..	..	0	2	0	0	3	0	0	0	0	0	0
Chandigarh	28·2	+1.2	32·5	1	13·2	+2·9	7·7	28	0	5·8	+0·4	5·8	14	1	+0·6	..	..	..	0	1	0	0	0	0	0	0	0	0	0
Ambala	30·7	+2·9	32·6	11	12·5	+2·6	7·2	28	0	0	—1·8	0	..	0	—0·4	7·7	6·8	+3·9	0	0	0	0	0	0	0	0	0	0	0
Ambala (Aerodrome).	29·3	..	34·0	1	9·9	..	4·4	28,29	0	0·6	..	0·6	14	0	..	..	..	..	0	1	0	0	1	0	0	0	0	0	0
Patiala	29·9	..	34·4	2	12·0	..	7·3	29	0	6·0	+5·7	6·0	14	1	+1·0	5·1	5·4	..	0	1	0	0	1	0	0	0	0	0	0
Bhatinda	30·6	..	38·4	1	10·2	..	4·4	29,30	0	0	..	0	15	0	0	4·1	2·1	..	0	0	0	0	1	0	0	0	0	0	0
Karnal (R)																														
Hissar	31·2	+2·1	35·9	5	13·2	+3·3	8·4	26,28	0	0	—1·5	0	14	0	—0·2	5·1	5·1	+0·8	0	0	0	0	0	0	0	0	0	0	0
New Delhi (Safdarjang)	29·8	+1·0	34·5	1	12·8	+1·4	9·8	28	0	0	—2·5	0	..	0	—0·3	9·8	5·4	—1·7	0	0	0	0	0	0	0	0	0	0	0
Palam (Aerodrome).	29·7	..	34·9	1	12·8	..	8·7	18	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Himachal Pradesh																														
Mandi	26·5	+2·1	30·1	3,4	..	..	..	..	3·8	3·8	—3·9	2·0	6	0	—0·4	2·0	2·2	+0·6	0	3	0	0	1	0	0	0	0	0	0
Bilaspur	27·3	..	31·4	3	8·8	..	4·8	30	0	12·0	..	10·0	14	1	..	..	..	..	0	2	0	0	0	2	0	0	0	0	0

(R) Register not received.

Sub-Division and Station	Air temperature in °C								Rainfall in millimetres					No. of rainy days. (2·5 mm. or more)		Wind speed km. per hour			Weather phenomena—No. of days with										
	Mean Maximum	Departure from normal	Highest	Date	Mean Minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hour	Date	Total in the month	Departure from Normal	Mean between 0830-1730 hours	Mean 24 Hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-a	20-b	21	22	23	24	25	26	27	28	29
Jammu and Kashmir																													
Misgar (R)																													
Gilgit (R)																													
Skardu (R)																													
Dras (R)																													
Sonemarg (R).																													
Leh . .	8·8	+0·6	14·6	12	—6·2	+0·2	—12·9	29	0	0	—1·0	0	0	0	—0·2	7·0	6·2	+3·1	0	0	1	0	0	0	0	0	0	0	0
Srinagar. .	15·2	—1·7	22·5	2	2·5	+3·1	—2·7	29	20·5	27·3	+16·1	19·6	6	3	+1·9	4·4	3·2	+0·3	0	4	0	0	0	0	0	0	0	0	0
Srinagar (Aerodrome).	14·4	..	21·1	1	3·2	..	—2·4	29	21·0	29·7	..	20·0	6	3	..	..	..	..	0	4	0	0	1	0	0	0	0	0	0
Gulmarg .									Closed during winter months																				
Qazigund .	15·1	..	22·6	2	2·6	..	—2·0	29	44·9	59·9	..	43·8	6	3	..	1·2	1·5	..	0	4	0	0	3	0	0	0	0	0	0
Banihal .	18·5	..	25·5	3	4·9	..	0.1	26	32·9	97·3	..	58·6	14	4	..	..	..	..	0	5	0	0	1	0	0	0	0	0	0
Jammu . .	28·2	+2·6	34·2	3	..	..	..	..	1·0	5·6	—1·0	4·6	14	1	+0·4	..	6.4	..	0	2	0	0	0	0	0	0	0	0	0
Jammu (Aerodrome).	27·3	..	32·5	2	12·3	..	5·9	27	0	5·0	..	5·0	14	1	..	..	..	..	0	1	0	0	3	0	0	0	0	0	0
Rajasthan West																													
Ganganagar .	30·9	+1·7	36.4	1	11·5	+0·3	5.3	29	0	5·0	+2·0	5·0	14	1	+0·8	1·5	0·7	—1·8	0	1	0	0	1	0	0	0	0	0	0
Anupgarh (R)																													
Mahajan	31·8	..	37·0	1,2	..	..	..	..	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Churu . .	31·2	..	35·3	1,2	12·8	..	9·0	18	0	0	..	0	..	0	..	..	5·5	..	0	0	0	0	0	0	0	0	0	0	0
Bikaner .	32·1	+1·2	36·8	1,2	13·2	+2·5	6·8	29	0	1·4	+0·1	1·4	14	0	—0·1	7·8	6·4	+2·4	0	1	0	0	0	0	0	0	0	0	0
Nagaur . .	32·3	..	36·1	1	13·6	..	8.7	18	0	0	..	0	..	0	..	6·4	4·5	..	0	0	0	0	0	0	0	0	0	0	0
Phalodi .	32·1	..	37·2	10	13·3	..	6·6	30	0	0	—0·8	0	..	0	—0·1	11·0	8·4	..	0	0	0	0	0	0	0	0	0	0	0
Jaisalmer .	32·4	..	36·2	2	15·3	..	7·8	29	0	0	..	0	..	0	..	11·0	7·3	..	0	0	0	0	0	0	0	0	0	0	0
Jodhpur .	33·5	+2·6	36·5	8·11	15·5	+2·3	12·3	19	0	0	—2·8	0	..	0	—0·2	..	..		0	0	0	0	0	0	0	0	0	0	0
Barmer . .	33·7	+1·8	37·0	10	17·3	+1·2	12·9	24	0	0	—0·8	0	..	0	—0·2	5·7	4·5	—1·3*	0	0	0	0	0	0	0	0	0	0	0
Erinpura (Jawai Dam)	33·1	..	35·6	12	15·2	..	9·8	26	0	0	..	0	.	0	..	2·9	2·8	..	0	0	0	0	0	0	0	0	0	0	0
Rajasthan East																													
Pilani .	30·8	..	35·5	1,2	10·8	..	6.0	27	0	0	..	0	..	0	..	8·2	6·5	..	0	0	0	0	0	0	0	0	0	0	0
Sikar . .	30·7	..	34·1	11	10·0	..	5·4	18	0	0	..	0	..	0	..	5·9	4·0	..	0	0	0	0	0	0	0	0	0	0	0
Alwar . .	30·5	..	35·3	2	14·6	..	10·7	28	0	0	..	0		0	..	2·1	1·2	..	0	0	0	0	0	0	0	0	0	0	0
Jaipur (Sanganer)	30·2	+0·9	34·1	2	14·0	+1·9	10·4	19	0	0	—3·6	0	..	0	0·3	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Dholpur	31·5	..	36·2	1,5	12·6	..	9.2	20,28	0	0	..	0	..	0	..	4·1	2·8	..	0	0	0	0	0	0	0	0	0	0	0
Ajmer . .	31·1	+2·4	34·6	12	13·1	+1·6	9·5	19	0	0	—4·8	0	..	0	—0·4	4·2	3·7	+1·8	0	0	0	0	0	0	0	0	0	0	0
Tonk . .	31·9	..	36·7	1	14·9	..	9·5	20	0	0	..	0	..	0	..	5·0	3·0	..	0	0	0	0	0	0	0	0	0	0	0
Bhilwara .	31·3	..	35·0	1	12·6	..	9.3	21	0	0	..	0	..	0	..	5·2	3·8	..	0	0	0	0	0	0	0	0	0	0	0
Kota	32·1	+1·7	36·4	1	17·9	+2·8	12·0	26	0	0	—5·8	0	..	0	—0·6	3·8	2·6	+1·0	0	0	0	0	0	0	0	0	0	0	0
Kota (Aerodrome).	31·7	..	36·6	1	16·1	..	11·4	10	0	0	..	0	..	0	..	7·6	5·4	..	0	0	0	0	0	0	0	0	0	0	0
Chambal (Rawat Bhatta Dam).	31·6	..	35·6	2	14·6	..	10·9	19	0	0	..	0	..	0	..	5·1	3·0	..	0	0	0	0	0	0	0	0	0	0	0
Udaipur .	30·8	+1·1	34·5	8	12·2	—0·1	8·8	23	0	0	—2·8	0	28	0	0·3	2·7	1·2	..	0	0	0	0	0	0	0	0	0	0	0
Jhalawar .	31.6	+2·3	35·9	1	12·5	+0·4	8·3	19	0	0	18·5	0	..	0	—1·1	4·9	2·4	+0·5	0	0	0	0	0	0	0	0	0	0	0
Banswara	33·6	..	36·2	9	16·8	..	13·0	20	1·2	1·2	..	1·2	28	0	..	7·4	7·3	..	0	1	0	0	0	0	0	0	0	0	0
Madhya Pradesh West																													
Gwalior .	30·6	+1·0	35·9	1	13·0	+2·4	8·8	20	0	0	—3·6	0	..	0	—0·4	6.2	2·8	..	0	0	0	0	0	0	0	0	0	0	0
Sheopur .	31·6	+2·2	36.3	1	13·3	+2·3	10·0	20	0	0	—4·4	0	..	0	—0·4	5·6	4·6	+0·5	0	0	0	0	0	0	0	0	0	0	0
Shivpuri .	29·9	..	39.3	1	8·9	..	6.0	19.20, 22	0	0	..	0	..	0	..	5·4	2·7	..	0	0	0	0	0	0	0	0	0	0	0
Nowgong .	30·4	+2·2	35·7	1	12·0	+0·4	8·8	20	0	0	—10·9	0	..	0	—0·7	4·6	2·3	+1·0	0	0	0	0	0	0	0	0	0	0	0
Guna . .	30·7	+1·9	35·7	2	11.2	+0·6	7.2	20	0	0	—22·1	0	..	0	—0·8	7·8	4·4	..	0	0	0	0	0	0	0	0	0	0	0
Nimach .	30·4	+1·2	33·6	1	15·1	+2·3	11·2	23	0	0	—7·9	0	..	0	—0·4	7·2	5·4	+0·1	0	0	0	0	0	0	0	0	0	0	0
Rajgarh. .	30·9	..	35·3	1	13·2	..	8·9	20	0	0	..	0	..	0	..	7·6	5·1	..	0	0	0	0	0	0	0	0	0	0	0
Sagar . .	29·5	+1·4	33·5	3	15·6	+0·6	11·5	29	0	0	—16·0	0	..	0	—0·9	7·3	5·5	..	0	0	0	0	0	0	0	0	0	0	0
Ratlam. .	31·6	+1·4	34·8	2,7,8	15·6	+1·3	11·5	20	0	1·4	—1·6	1.4	29	0	—0·3	10·6	7·6	+1·5	0	1	0	0	0	0	0	0	0	0	0
Bhopal (Bairagarh)	29·9	+1·5	33·7	1,2	14·7	+2·0	10·2	22	0	0	—26·7	0	..	0	—1·2	8·4	6·9	+0·9	0	0	0	0	0	0	0	0	0	0	0
Ujjain .	31·3	..	35·2	4	11·5	..	6·1	20	0	0	..	0	..	0	..	7·8	3·9	..	0	0	0	0	0	0	0	0	0	0	0
Narsinghpur	30·8	..	35·2	3	10·8	..	6·0	20	0	2·0	..	2·0	28	0	..	4·5	2·2	..	0	1	0	0	0	0	0	0	0	0	0
Hoshangabad	30·7	+1·5	34·9	1	14·8	+0·1	10·9	22	0	3·8	—13·2	3·8	28	1	+0·1	4·2	4·4	+1·8	0	1	0	0	0	0	0	0	0	0	0
Indor	30·5	+1·4	33·8	1,2	14·0	+2·0	10·1	20,22	0·8	1·8	—13·7	1·0	20	0	—0·9	9·8	6·4	..	0	2	0	0	0	0	0	0	0	0	0
Rajpur (Jhabua)	32·2	..	35·6	9	14·3	..	9·0	2	0	0.1	..	0·1	27	0	..	5·5	2·5	..	1	0	0	0	0	0	0	0	0	0	0

(R) Reports not received. *Departure indicated relates to 1940 normal, pending provisionals.

TABLE II—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER—NOVEMBER, 1965 (KARTIKA 10—AGRAHAYANA 9, 1887 SAKA)

Sub-division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days, (2.5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days With										
	Mean Maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 or 0.2 mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a)	20b)	21	22	23	24	25	26	27	28	29
Madhya Pradesh (West) (*Contd.*)																													
Chhindwara	29·5	+1·9	32·8	3,8	12·0	+0·4	8·0	20	0	0	—18·0	0	..	0	—0·3	5·8	2·8	—1·1	0	0	0	0	0	0	0	0	0	0	0
Seoni	29·6	+2·2	33·5	1,2,3	13·6	+0·7	10·4	20	0	0	—17·3	0	..	0	—1·0	7·2	4·2	+0·7	0	0	0	0	0	0	0	0	0	0	0
Betul	29·5	+2·0	32·6	2	12·5	+0·5	7·2	21	0	0·8	—28·1	0·8	28	0	—1·2	6·0	3·9	0	0	1	0	0	0	0	0	0	0	0	0
Khandwa	32·9	+1·9	36·4	2	14·1	+0·5	8·8	20	0	2·6	—16·7	2·6	28	1	0	7·2	4·8	+1·1	0	1	0	0	0	0	0	0	0	0	0
Madhya Pradesh East																													
Satna	30·1	+2·4	34·9	2	13·2	+0·9	8·1	30	0	0	—8·9	0	..	0	—0·7	3·3	2·7	0	0	0	0	0	0	0	0	0	0	0	0
Rewa	30·3	..	35·4	3	13·0	..	7·9	30	0	0	..	0	..	0	..	4·4	2·2	..	0	0	0	0	0	0	0	0	0	0	0
Sidhi	31·0	..	35·9	2,4	12·5	..	7·6	30	0	0	..	0	..	0	..	4·6	2·2	..	0	0	0	0	0	0	0	0	0	0	0
Umaria	30·0	+2·5	34·8	2	11·6	+0·4	7·5	30	0	0	—16·3	0	..	0	—0·7	4·9	2·7	+0·3	0	0	0	0	0	0	0	0	0	0	0
Jabalpur	30·9	+3·0	35·5	3	12·7	+1·4	9·1	20	0	0·7	—10·2	0·7	28	0	—0·9	4·6	2·5	+0·6	0	1	0	0	0	0	0	0	0	0	0
Ambikapur	27·6	+1·6	31·8	3	12·3	+1·8	8·6	20	0	0	—1·1	0	..	0	—0·1	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Jashpur nagar	26·1	..	29·5	8	13·5	..	9·0	20	0	0	..	0	..	0	..	6·8	4·1	..	0	0	0	0	0	0	0	0	0	0	0
Pendra	27·3	+2·0	31·9	3	14·2	+1·3	10·8	20	0	0	—18·3	0	..	0	—1·3	6·9	4·7	..	0	0	0	0	0	0	0	0	0	0	0
Mandla	29·4	+1·3	33·4	4	10·2	+0·3	6·0	20	0	0·2	—7·7	0·2	28	0	—0·2	4·0	1·8	+0·2	1	0	0	0	0	0	0	0	0	0	0
Champa	30·6	+1·4	34·2	3	15.1	—1·2	12·3	20	0	0	—5·7	0	..	0	—0·6	4·8	4·3	—1·0	0	0	0	0	0	0	0	0	0	0	0
Raigarh	31·3	+1·5	34·9	3	16·6	+0·2	14·0	19	0	0	—0·7	0	..	0	—0·1	2·7	2·0	—1·8	0	0	0	0	0	0	0	0	0	0	0
Raipur	30·8	+2·1	34·6	3,4	16·0	+0·1	13·0	20	0	0	—13·5	0	..	0	—1·1	6·5	4·3	+1·1	0	0	0	0	0	0	0	0	0	0	0
Kanker	30·3	+2·0	34·0	4	14·5	+0·6	10·6	20	0	0	—9·7	0	..	0	—0·8	3·5	2·3	—0·8	0	0	0	0	0	0	0	0	0	0	0
Jagdalpur	30·2	+2·5	32·5	4,5	14·8	—0·2	11·5	20	0	0	—29·0	0	..	0	—1·9	5·8	3·0	..	0	0	0	0	0	0	0	0	0	0	0
Gujarat Region (Including Daman Dadra & Nagar Haveli Deesa)	33·8	..	36·8	9	14·0	..	10·2	25	0	0	..	0	..	0	..	7·3	6·2	..	0	0	0	0	0	0	0	0	0	0	0
Radhanpur	33·8	..	36·5	10	16·1	..	13·3	21,22	0	0	..	0	..	0	..	6·1	4·3	..	0	0	0	0	0	0	0	0	0	0	0
Idar	33·5	..	36·6	11	19·6	..	16·3	20	0	0	..	0	..	0	..	6·9	5·6	..	0	0	0	0	0	0	0	0	0	0	0
Ahmadabad	34·5	+1·2	37·2	9,10	17·3	+1·2	13·5	23	0·2	1·2	—2·4	1·2	28	0	—0·4	7·4	3·8	—0·1	1	1	0	0	0	0	0	0	0	0	0
Dohad	32·5	+1·0	35·5	5,8,9	17·9	+2·8	12·5	20	0	2·0	—9·1	2·0	28	0	—0·6	6·4	5·7	—1·1	0	1	0	0	1	0	0	0	0	0	0
VallabhaVidyanagar	34·4	..	37·8	1	16·0	..	11·0	20	0	6·0	..	6·0	28	1	..	6·9	5·2	..	0	1	0	0	0	4	0	0	0	0	0
Baroda (Aerodrome)	34·7	..	37·8	11	16·9	..	12·3	20,21	0	1·0	..	1·0	28	0	..	7·3	4·2	..	0	1	0	0	0	0	0	0	0	0	0
Baroda	35·7	+2·3	39·2	8,10	17·3	+3·0	12·3	20	1·0	3·6	—1·6	3·1	28	1	+0·6	2·6	1·4	—1·2	0	1	0	0	0	0	0	0	0	0	0
Broach	34·8	—0·3	38·9	9	17·9	+0·7	14·3	19	8·0	10·0	+8·8	10·0	28	1	+0·9	4·3	3·4	—1·2	0	1	0	0	0	0	0	0	0	0	0
Surat	36·0	+2·7	39·0	8	19·3	+1·0	16·5	22	2·6	4·2	—8·9	2·6	28	1	+0·5	10·1	7·1	+2·6	0	2	0	0	0	0	0	0	0	0	0
Saurashtra and Kutch (Including) Diu																													
Naliya	33·1	..	36·4	9	14·3	..	10·0	30	0	0	..	0	..	0	..	15·9	9·3	..	0	0	0	0	0	0	0	0	0	0	0
Bhuj (Rudramata)	33·5	+1·6	36·7	9	16·5	+1·1	12·6	30	0	0	—2·0	0	.	0	—0·2	11·6	8·0	0	0	0	0	0	0	0	0	0	0	0	0
Kandla (Aerodrome)	33·5	..	36·8	9	17·5	..	13·3	23	0	0	..	0	..	0	..	16·0	14·6	..	0	0	0	0	0	0	0	0	0	0	0
New Kandla	31·7	..	35·6	10	20·3	..	17·3	30	0	0	..	0	..	0	..	10·8	10·9	..	0	0	0	0	0	0	0	0	0	0	0
Mandvi	30·8	+0·3	33·1	14,18	19·4	+0·2	16·5	23	0	0	—1·8	0	..	0	—0·5	16·0	14·7	+0·9	0	0	0	0	0	0	0	0	0	0	0
Surendranagar	31·0	+1·2	36·9	13	19·4	+1·5	16·6	20	0	0	—1·1	0	..	0	—0·1	6·6	5·5	—1·2	0	0	0	0	0	0	0	0	0	0	0
Okha	28·6	..	30·4	16	23·2	..	21·2	28	0	0	..	0	..	0	..	15·1	15·0	..	0	0	0	0	0	0	0	0	0	0	0
Jamnagar (Aerodrome)	32·5	—0·2	36·8	7	16·7	+1·6	13·4	21	0	3·0	+1·5	3·0	27	1	+0·8	..	..	..	0	1	0	0	0	0	0	0	0	0	0
Dwarka	30·7	+0·1	34·5	18,19	21·0	+ ·6	17·4	23	0	0	—2·0	0	..	0	—0·1	15·9	11·4	—0·3	0	0	0	0	0	0	0	0	0	0	0
Rajkot	33·7	+1·0	36·6	13	17·1	+0·9	13·7	16	2·6	3·0	+0·2	2·8	28	1	+0·7	15·0	10·8	+0·2	1	1	0	0	0	3	0	0	0	0	0
Bhavnagar (Aerodrome)	33·2	+1·6	36·0	8	18·9	+0·9	13·2	23	6·0	12·9	+6·3	6·9	28	2	+1·7	14·3	11·8	+2·1	0	3	0	0	1	0	0	0	0	0	0
Porbander (Aerodrome)	33·4	+0·4	36·6	13	18·8	—1·2	15·7	23	4·8	25·4	+14·1	19·6	27	2	+1.7	15·3	10·5	..	0	2	0	0	0	1	0	0	0	0	0
Keshod	34·3	..	37·4	13	16·3	..	11·8	23	4·8	17·1	..	11·4	27	2	..	14·4 (e)	11·6 (e)	..	0	2	0	0	1	0	0	0	0	0	0
Mahuva	34·1	..	37·0	8	21·0	..	19·6	16	16·0	23·6	..	17·4	27	2	..	4·2	3·7	..	0	2	0	0	0	0	0	0	0	0	0
Veraval	33·3	..	37·5	15	19·3	..	15·3	22	5·8	7·1	+2·8	5.9	27	1	+0·8	16.8	13·4	..	0	2	0	0	0	0	0	0	0	0	0
Konkan (Including Goa)																													
Dahanu	33·2	+1·5	36·1	13	20·5	+0·5	16·3	21	2·8	2·8	—27·9	2·8	28	1	+0·3	14·5	10·5	+0·4	0	1	0	0	0	0	0	0	0	0	0
Bombay (Santa-Cruz)	35·3	+3·0	36·9	13	20·6	+1·9	17·8	23	1·8	2·0	—12·8	1·8	28	0	—0·7	9·8	6·9	..	1	1	0	0	0	0	0	0	0	0	0
Bombay	33·2	+1·3	35·4	24,25	23·2	+0·7	21·3	23	1·2	3·6	—9·0	2·4	27	0	—0·8	10·0	8·5	—1·6	0	2	0	0	0	0	0	0	0	0	0
Alibag	32·7	+1·4	35·0	19	20·9	0	17·9	20,22	..	1·6	—37·8	1·6	27	0	—1·4	..	6·8	—0·4	0	1	0	0	0	0	0	0	0	0	0
Bhira	37·1	..	39·5	8	18·9	..	14·6	22	0	2·2	..	2·2	26	0	..	4·5	3·1	..	0	1	0	0	0	0	0	0	0	0	0
Harnai	32·3	+1·5	35·8	24	25·0	+1·1	21·3	23	0	0·8	—24·4	0·8	26	0	—1·5	15·2	13·6	+2·4	0	1	0	0	0	0	0	0	0	0	0
Ratnagiri	34·4	..	36·4	9	21·6	..	18·2	22	0	0	—25·7	0	..	0	—1·3	12·7	8·6	..	0	0	0	0	0	0	0		0	0	0
Devgarh	33·5	+1·6	35·4	11	23·7	+1·0	21·6	23	0	0	—29·8	0	..	0	—1·9	12·8	10·6	+0·4	0	0	0	0	0	0	0	0	0	0	0

TABLE II—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER–NOVEMBER, 1965 (KARTIKA 10—AGRAHAYANA 9, 1887 SAKA)

Sub-Division and station	Air temperature in °C.								Rainfall in millimetres					No. of rainy days, (2·5 mm. or more)		Wind speed. Km. per hour			Weather phenomena—No. of days with											
	Mean Maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total all in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-strom	Ground frost	Gale	squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a	20(b	21	22	23	24	25	26	27	28	29
Konkan—(including Goa)																														
Vengurla	34·6	+1·9	37·0	9	20·9	+0·2	17·5	20	0	4·2	—16·0	3·0	26	1	—0·6	10·2	6·0	..	0	2	0	0	1	1	0	0	0	0	0
Panjim	34·2	..	35·9	11	22·9	..	20·1	22	0	2·4	..	2·4	26	0	..	10·0	7·8	..	0	1	0	0	1	0	0	0	0	0	0
Marmugao	33·2	..	35·6	11	24·3	..	22·6	22	0	0	..	0	..	0	..	11·8	9·7	..	0	0	0	0	1	0	0	0	0	0	0
Dabolim Naval Air station	33·6	..	35·3	11	23·7	..	21·7	22	0	0	..	0	..	0	..	9·8	6·4	..	0	0	0	0	1	1	0	0	0	0	0
Madhya Maharashtra																														
Nandurbar	34·6	..	37·4	8	18·5	..	15·1	19	2·6	10·2	..	5·2	27	2	..	7·2	3·8	..	0	2	0	0	0	0	0	0	0	0	0
Jalgaon	34·1	+2·1	36·9	5	15·3	+0·8	10·2	19	0	0	—18·8	0	..	0	—0·9	11·3	8·7	+1·6	0	0	0	0	0	0	0	0	0	0	0
Malegaon	32·5	+1·6	35·6	3	14·3	0	8·7	20	0·5	2·8	—19·3	2.8	28	1	—0·2	7·2 (i)	5·0 (k)	—0·1	0	1	0	0	0	0	0	0	0	0	0
Ozar	31·5	..	34·0	2,6	14·0	..	9·3	9	0	0·7	..	..	..	..	..	12·0	9·1	..	..	..	0	0	0	0	0	0	0	0	0
Ahamadnagar	32·3	+2·8	35·4	2	15·0	+0·4	9·8	20	0	30·8	+2·6	30·8	26	1	—0·4	9·2	5·3	—1·3	0	1	0	0	0	0	0	0	0	0	0
Khandala	..	..	..	..	..	..	..	..	0	0	—19·3	0	..	0	—1·7	..	..	..	0	0	..	..	..	..	..	..	..	..	..
Poona (Aerodrame)	32·8	..	35·7	14	16·9	..	12·7	22	0	4·0	..	4·0	26	1	..	..	..	..	0	1	0	0	1	0	0	0	0	0	0
Poona	31·8	+1·9	34·5	3	13·9	+0·4	9·0	22	0	0	—27·4	0	..	0	—1·6	6·2	2·7	..	0	0	0	0	1	0	0	0	0	0	0
Jeur	32·3	+1·4	34·8	8	16·2	+1·0	10·6	21	0	0	—22·8	0	..	0	—1·1	10·2	6·4	+1·1	0	0	0	0	0	0	0	0	0	0	0
Baramati	32·2	+2·3	34·5	8	16·3	+0·3	10·8	22	0	2·0	—35·1	2·0	26	0	—2·3	9·2	7·1	+0·4	0	1	0	0	0	0	0	0	0	0	0
Sholapur	32·8	+2·0	35·6	3	18·6	+1·5	14·7	20	14·0	18·8	—15·0	18·8	26	1	—0·7	11·1	9·5	—0·3	0	1	0	0	0	0	0	0	0	0	0
Miraj	32·1	+2·5	34·6	6	17·1	+0·1	12·7	22	0	0	—46·2	0	..	0	—2·5	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Kolhapur	32·4	+2·2	34·6	8,9	17·1	+0·7	13·9	22	0	0	—32·3	0	..	0	—2·0	14·4	9·2	+0·5	0	0	0	0	0	0	0	0	0	0	0
Marathwada																														
Aurangabad	32·1	+2·0	35·4	8	17·1	+1·4	12·2	21	0	0	—24·1	0	..	0	—1·3	6·5	5·5	—1·9	0	0	0	0	0	0	0	0	0	0	0
Aurangabad (Chikalthana)	31·6	..	34·6	2,3	13·5	..	7·6	22	0	0	..	0	..	0	..	10·2	5·9	..	0	0	0	0	0	0	0	0	0	0	0
Parbhani	32·1	+1·7	34·6	2	15·6	+0·9	11·8	22	0	0	—30·1	0	..	0	—1·6	7·4	4·4	—1·1	0	0	0	0	0	0	0	0	0	0	0
Nander	32·8	..	35·2	3,7	15·3	..	9·8	21,22	0	0	..	0	..	0	..	7·8	4·8 (e)	..	0	0	0	0	0	0	0	0	0	0	0
Bir	31·8	..	34·4	4,5	14·4	..	9·0	21,22	0	0	..	0	..	0	..	6·5	3·7	..	0	0	0	0	0	0	0	0	0	0	0
Vidarbha																														
Gondia	30·9	+1·8	34·5	4	16·1	+0·8	13·2	21	0	0	—18·0	0	..	0	—0·9	3·4	2·0	—0·6	0	0	0	0	0	0	0	0	0	0	0
Nagpur (Sonegaon)	31·7	+1·8	34·8	2	14·4	+0·5	9·8	20	0	0	—19·6	0	..	0	—1·1	8·7	6·7	..	0	0	0	0	0	0	0	0	0	0	0
Amraoti	32·5	+2·0	36·5	17	18·4	+1·4	16·4	22	0	0	—16·8	0	..	0	—1·0	8·8	8·1	+2·8	0	0	0	0	0	0	0	0	0	0	0
Akola Aerodrome	32·7	..	35·6	4	13·7	..	9·0	20	0	0	..	0	..	0	..	9·8	8·1	..	0	0	0	0	0	0	0	0	0	0	0
Akola	32·8	+1·7	35·9	3	13·5	—1·2	8·2	20	0	0	—18·5	0	..	0	—1·0	5·2	4·0	—0·2	0	0	0	0	0	0	0	0	0	0	0
Bramhapuri	31·8	..	35·0	4	15·1	..	11·8	20	0	0	..	0	..	0	..	5·8	3·0	..	0	0	0	0	0	0	0	0	0	0	0
Buldana	30·6	+2·5	33·4	2	17·5	+0·6	13·4	20	0	0	—22·0	0	..	0	—1·3	8·0	6·1	+0·2	0	0	0	0	0	0	0	0	0	0	0
Yeotmal	31·0	+1·9	34·2	1	17·3	+1·1	12·7	22	0	0	- 1·9	0	..	0	—0·3	9·8	8·0	+0·9	0	0	0	0	0	0	0	0	0	0	0
Chanda	31·8	+2·2	34·3	2	15·2	+0·2	10·7	20	0	0	—16·8	0	..	0	—1·3	6·2	3·7	+1·4	0	0	0	0	0	0	0	0	0	0	0
Pusad	33·4	..	35·4	5days	13·7	..	11·5	23,26	0	0	..	0	..	0	..	5·0	4·0	..	0	0	0	0	0	0	0	0	0	0	0
Sironcha	32·5	+2·3	35·2	5	17·3	+0·4	13·2	20	0	0	—4·9	0	..	0	-0·7	4·1	2·5	-0·7	0	0	0	0	0	0	0	0	0	0	0
Castal Andhra Prbdesh																														
Kalingapatam	29·5	+ ·9	32·8	1	19·6	—1·1	17·4	22,29	0	3·0	-83·1	2·4	26	0	—2·7	11·9	8·6	—1·1	0	2	0	0	0	0	0	0	0	0	0
Vishakhapatnam	31·3	+1·0	33·5	9	21·2	—0·4	18·4	20	1·7	17·8	—100·8	12·2	26	1	—2·9	16·8	9·1	+3·0	0	4	0	0	0	0	0	0	0	0	0
Kakinada	30·4	+2·0	33·1	1	21·3	—0·7	20·0	10,23	32·2	82·6	—59·4	44·2	27	4	—0·5	17·6	13·0	+1·7	0	6	0	0	0	0	0	0	0	0	0
Nidadavole	30.9	..	33·2	11	20·6	..	18·5	19	0	0·8	..	0·4	22, 27	0	..	12·1	7·6	..	0	2	0	0	0	0	0	0	0	0	0
Rentachintala	32·9	+2·3	35·0	7days	20·9	+1·1	17·2	21	0	0	—48·3	0	..	0	—3·5	3·2	4·0	—1·3	0	0	0	0	0	0	0	0	0	0	0
Gannavaram	32·2	+1·5	34·7	3	21·5	+0·4	19·5	20,29	0	0	—33·7	0	..	0	—2·4	16·8	11·7	+1·5	0	0	0	0	0	0	0	0	0	0	0
Nagarjun Konda (R)																														
Masulipatam	30·7	+1·4	32·7	3	21·9	+0·1	20·0	19,21	2·8	16·8	—130·0	9·0	26	3	—1·7	7·5	5·2	—1·6	0	3	0	0	0	0	0	0	0	0	0
Ongole	31·3	..	35.3	3	23·1	..	20·6	19	10·6	49·0	..	35·2	5	2	..	7·1	5·8	..	0	4	0	0	0	0	0	0	0	0	0
Nellore	30·4	+0·8	32·8	3	22·8	+0·6	19·9	20	55·8	159·6	—137·6	43·8	9	14	+5·2	10·6	6·7	+1·9	0	16	0	0	3	0	0	0	0	0	0
Telangana																														
Ramgundam	32·1	+1·4	35·2	5	17·5	—0·4	13·0	4	0	0	—10·7	0	..	0	—0·8	6·5	3·5	—1·0	0	0	0	0	0	0	0	0	0	0	0
Nizamabad	31·8	+2·0	34·4	7	16·8	+1·0	12·2	21	0	0	—17·5	0	..	0	—1·1				0	0	0	0	0	0	0	0	0	0	0
Hanamkonda	32·1	+2·5	34·6	1	18·7	+0·9	14·3	21	0	0	—27·9	0	..	0	—1·7	6·5	4·2	—0·5	0	0	0	0	0	0	0	0	0	0	0
Hakimpet Aerodrome	29·8	..	32·0	3,4	18·7	..	15·6	21	0	0	..	0	..	0	..				0	0	0	0	0	0	0	0	0	0	0
Bhadrachalam	33·5	+3·0	35·6	6	20·2	+2·0	14·4	21	0	0	-8·6	0	..	0	-0·6	4·1	3·6	—0·9	0	0	0	0	0	0	0	0	0	0	0
Hyderabad (Begampet)	31·0	+2·2	33·3	4	16·3	+0·2	12·1	20	0	0	—29·0	0	..	0	—2·1	9·1	5·5	—2·2	0	0	0	0	0	0	0	0	0	0	0
Khammam	33·1	..	35·4	4	20·2	..	15·7	21	0	0	..	0	..	0	..	4·0	3·2	..	0	0	0	0	1	0	0	0	0	0	0
Mahabubnagar	30·8	..	33·6	2	18·9	..	15·9	21	0	0	..	0	..	0	..	13·2	9·7	..	0	0	0	0	0	0	0	0	0	0	0

(R) Register not received.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. of more)		Wind speed kms. per hour			Weather phenomena—No. of days with											
	Mean Maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
Rayalaseema																												
Kurnool	32·5	+1·4	34·8	5	19·9	+1·1	15·8	21	34·6	34·6	14·4	34·6	25	1	−1·1	7·7	4·9	+1·0	0	1	0	0	0	0	0	0	0	0
Anantapur	31·2	+1·2	33·6	1,6	21·0	+1·5	17·8	21	2·5	2·5	−18·6	2·5	28	1	−2·1	14·0	11·3	+2·8	0	1	0	0	0	0	0	0	0	0
Cuddapah	32·1	+1·2	35·8	1	22·3	+1·2	18·7	21	16·0	17·8	−11·9	11·4	25	2	−3·2	8·8	7·2	+1·7	0	4	0	0	0	0	0	0	0	0
Arogyavaram	29·3	..	31·6	4	17·1	..	13·5	4 days	44·0	67·5	..	47·0	25	5	..	8·4	6·1	..	0	5	0	0	0	0	0	0	0	0
Madras State including Pondicherry																												
Madras	29·2	..	32·0	3	22·8	..	20·0	20	184·8	422·0	..	69·0	29	15	..	9·3	6·0	..	0	17	0	0	3	0	0	0	0	0
Madras (Minambakkam)	29·1	−0·6	32·3	3	22·7	+0·5	19·8	20	115·8	378·9	+24·3	64·6	23	17	+5·9	11·4	7·4	−7·6	0	18	0	0	5	0	0	0	0	1
Vellore	29·4	+0·3	33·4	3	20·9	+0·3	17·5	15	70·4	151·0	−44·1	53·3	6	9	+0·5	8·8	7·0	+3·8	1	15	0	0	2	2	0	0	0	0
Tambaram Aerodrome	29·4	..	32·5	3	22·5	..	19·2	20	102·2	318·1	..	63·8	29	15	..	..	..	..	0	19	0	0	10	0	0	0	0	0
Tiruppattur	30·1	..	32·6	1	9·0	..	14·8	15	0	25·0	..	25·0	23	1	..	74	4·1	..	0	1	0	0	0	0	0	0	0	0
Metturdam R. S.	31·9	..	34·9	3	22·2	..	20·2	22,29	16·0	40·8	..	19·8	25	5	..	..	..	..	0	6	0	0	0	0	0	0	0	0
Cuddalore	29·3	+0·2	33·1	3	22·4	−0·2	19·7	20	188·6	298·3	95·9	98·7	10	12	+0·4	11·9	8·5	+2·4	0	15	0	0	2	0	0	0	0	0
Kallakkurichchi	30·2	..	33·4	3	22·2	..	20·0	21	23·8	78·6	94·4	17·0	30	8	−0·4	10·7	7·6	..	0	11	0	0	4	0	0	0	0	0
Salem	31·2	+0·6	33·6	1	22·1	+1·4	19·7	21	81·2	41·5	55·3	13·2	7	5	−1·2	8·4	8·1	+3·9	1	9	0	0	4	0	0	0	0	0
Coimbatore (Pilamedu)	30·5	..	33·5	9	21·3	..	19·0	21	3·8	96·1	..	58·4	24	4	..	16·0	11·6	..	1	6	0	0	4	1	0	0	0	0
Coimbatore	31·1	+1·4	34·4	9	21·5	+0·9	19·0	21	..	71·9	−30·5	42·8	24	3	−3·8	..	6·0	+2·5	0	7	0	0	0	0	0	0	0	0
Nagapattinam	29·2	+0·1	32·7	9	24·5	+0·9	21·8	20	76·7	234·5	−11·0	86·4	19	12	−1·0	16·6	15·6	+5·8	1	17	0	0	4	0	0	0	0	0
Tiruchchirapalli	30·7	+0·4	32·5	24	23·1	+0·9	20·8	21	37·5	57·2	−91·1	21·8	25	5	−3·5	10·8	9·2	+3·1	0	10	0	0	2	0	0	0	0	2
Vedaranniyam	31·2	..	34·2	9	23·3	..	21·1	20	131·2	292·1	..	64·5	29	14	..	5·9	6·6	..	0	15	0	0	0	0	0	0	0	0
Atirampattinam	30·4	..	33·0	9	22·4	..	20·0	8	60·6	206·4	..	69·4	30	11	..	6·8	4·8	..	0	17	0	0	0	0	0	0	0	0
Madurai	31·3	+0·9	34·6	9	23·7	+0·9	22·1	15	..	36·1	−109·4	14·7	30	3	−5·0	..	5·6	−1·0	0	7	0	0	1	0	0	0	0	0
Madurai (Aerodrome)	30·6	..	34·0	9	22·7	.	20·5	21	24·3	42·5	..	20·1	6	5	..	13·3	9·6	..	1	6	0	0	3	0	0	0	0	0
Tondi	30·2	..	32·5	9	23·5	..	22·1	12,15	74·8	224·6	..	53·6	11	10	..	15·3	12·7	..	0	18	0	0	9	0	0	0	0	0
Pamban	29·7	+0·2	33·4	5	24·3	−0·3	23·0	22,30	117·5	303·8	+6·1	118·0	10	20	+7·0	17·2	14·2	−0·1	0	20	0	0	0	0	0	0	0	0
Tuticorin	29·1	0	31·2	5	23·1	−0·7	21·3	22,26	60·4	215·5	+21·6	37·7	26	11	+1·7	19·4	16·8	+3·0	0	12	0	0	0	0	0	0	0	0
Palayankottai	31·7	+1·0	36·3	5	23·7	+0·1	22·3	30	45·6	215·4	+30·6	44·2	26	12	+2·5	9·9	7·7	+0·9	0	13	0	0	3	0	0	1	0	0
Kanniyakumari	30·4	..	32·2	20	24·3	..	21·9	12	49·4	225·9	..	70·0	25	10	..	17·0	17·0	..	0	11	0	0	0	0	0	0	0	0
Costal Mysore																												
Karwar	30·9	−0·7	33·4	17	22·0	+1·1	18·2	22	0	0	−53·7	0	..	0	−2·8	7·2	4·6	..	0	0	0	0	0	0	0	0	0	0
Honavar	34·4	+1·7	36·1	9	23·2	+1·3	20·7	22	0	0	−56·1	0	..	0	−3·1	..	..	..	0	0	0	0	0	0	0	0	0	0
Mangalore (Bajpe)	33·8	..	35·4	12	23·2	..	21·6	16	30·7	33·1	..	28·9	25	1	..	9·3	6·1	..	0	5	0	0	7	0	0	0	0	0
Mangalore	32·6	+1·6	34·8	12	22·5	−0·6	20·8	21	48·0	50·4	−12·0	47·5	25	1	−3·4	10·6	7·8	+1·4	0	4	0	0	0	0	0	0	0	0
Interior Mysore North																												
Bidar	29·6	+1·5	32·6	5	18·8	+0·7	16·0	21	0	0	−26·7	0	..	0	−1·6	10·4	9·9	+1·0	0	0	0	0	0	0	0	0	0	0
Gulbarga	32·1	+1·4	35·0	6	18·3	+1·0	15·6	21	0	2·0	−25·9	2·0	26	0	−1·7	15·9	10·4	+0·9	0	1	0	0	0	0	0	0	0	0
Bijapur	32·0	+2·2	34·6	6	18·5	+1·4	14·6	21	0	0	−32·3	0	..	0	−1·8	7·4	4·4	+0·5	0	0	0	0	0	0	0	0	0	0
Raichur	31·6	+1·3	34·8	1	21·0	+1·2	17·9	21	0	0	−29·5	0	..	0	−1·8	11·9	10·9	+2·2	0	0	0	0	0	0	0	0	0	0
Belgaum	31·9	+2·5	34·6	7	16·8	0·0	14·1	22	0	0·6	−36·8	0·6	28	0	−2·4	11·3	5·5	−0·6	0	1	0	0	0	0	0	0	0	0
Belgaum (Samra)	30·3	..	32·8	5	17·9	..	15·2	21	0·8	1·0	..	1·0	26	0	..	11·2	6·1	..	0	1	0	0	0	0	0	0	0	0
Gadag	31·7	+2·3	36·0	2	19·1	+0·9	15·9	20,21	0	0	−46·2	0·0	..	0	−3·0	10 1	7·3	+0·4	0	0	0	0	0	0	0	0	0	0
Interior Mysore South																												
Bellary	32·6	+2·0	35·4	5	20·4	+1·4	17·0	21	20·0	22·0	−28·0	18·0	25	2	−1·1	7·4	4·6	+0·7	0	2	0	0	0	0	0	0	0	0
Chitradurga	29·8	+1·4	32·5	2,4	19·6	+1·3	17·0	20	25·4	36·2	−24·0	31·8	25	2	−1·4	10·3	7·5	+1·5	1	3	0	0	0	0	0	0	0	0
Shimoga	30·8	+1·7	33·6	5	18·1	+1·0	13·7	21	44·8	49·6	0	39·6	25	2	−1·3	6·6	3·1	−1·0	0	3	0	0	1	0	0	0	0	0
Agumbe	29·1	..	30·6	9,10, 11	16·9	..	13·2	17,21	..	2·4	..	1·6	26	0	..	..	5·0	..	2	2	0	0	0	0	0	0	0	0
Balehonnur	28·9	+2·8	30·6	24	17·1	+0·7	14·4	21	..	36·2	−35·9	20·8	24	4	−0·7	..	..	..	0	4	0	0	3	2	0	0	0	0
Hassan	28·4	+1·3	30·9	24	17·6	+1·3	14·3	21	21·4	56·8	−20·2	30·2	25	4	−0·6	6·6	3·9	−0·6	0	5	0	0	2	0	0	0	0	0
Bangalore	27·7	+1·4	30·4	1,3	18·3	+1·8	15·0	21	31·6	46·0	−1·8	22·6	25	4	−0·5	11·1	9·8	+2·7	1	6	0	0	1	0	0	0	0	0
Bangalore (Aerodrome)	27·8	..	30·3	1,3	17·3	..	13·3	21	25·5	31·0	..	21·8	25	3	..	..	..	..	1	7	0	0	1	0	0	0	0	0
Mysore	28.9	+1·0	31·0	9,10 24	19·7	+1·7	16·6	21	0	9·0	−0·6	5·0	25	2	−2·2	14·2	10·6	+2·6	1	2	0	0	0	0	0	0	0	0

TABLE II—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER NOVEMBER, 1965 (KARTIKA 10 AGRAHAYANA 9, 1887 SAKA)

Sub-Division and station	Air temperature in °C								Rainfall in Millimetres					No. of rainy days (2.5 mm. or more)		Wind speed, kms. per hour			Weather phenomena—No. of days with											
	Mean Maximum	Departure from normal	Highest	Date	Mean Minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure form normal	Precipitation (0.1 and 0.2 mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a	20(b	21	22	23	24	25	26	27	28	29
Kerala																														
Calicut	31·9	+1·2	32·9	16,19	24·4	+1·1	21·7	17	24·1	62·1	−76·0	30·8	26	3	−3·2	10·5	7·5	+1·4	0	4	0	0	3	0	0	0	0	0	0
Palghat	32·8	..	34·5	23	23·4	..	21·6	24	14·4	86·8	..	32·2	6	5	..	9·4	7·8	..	0	7	0	0	0	0	0	0	0	0	0
Fort Cochin	31·0	+1·2	32·6	18	23·5	−0·6	21·7	28	19·4	139·1	−30·8	58·6	24	8	−0·4	9·7	7·3	+2·0	0	9	0	0	10	0	0	0	0	0	0
Cochin (Naval Air Station)	31·9	..	33·3	28,30	24·2	..	21·5	17	79·6	156·4	..	54·6	3	6	..	9·8	8·3	..	0	9	0	0	16	0	0	0	0	0	0
Alleppey	31·7	+1·3	33·3	29	24·1	+0 2	21·4	24	16·8	149·0	−19·7	76·0	10	7	−4·0	12·0	1·2	+0·8	0	9	0	0	11	0	0	0	0	0	0
Punalur (R)																														
Trivandrum	30·8	+0·7	33.0	17	23·7	+0·6	22·6	12	75·3	103·1	−14·2	29·0	24	8	−1·5	7·2	5·1	+0·9	1	16	0	0	14	0	0	0	0	0	0
Trivandrum Aerodrome	30·7	..	32·4	14,16	23·6	.	22·3	27	..	116·4	..	39·2	10	8	..	..	2·6	..	1	13	0	0	11	0	0	0	0	0	0
Arabian Sea Islands																														
Amini	31·5	+1·0	32·3	9	24·8	+0·5	23·1	3	59·7	64·4	−22·3	41·0	3	3	−1·9	5·0	3·7	−2·1	2	4	0	0	2	0	0	0	0	0	0
Agatti	31·3	..	32·3	18	26·5	..	24·0	3	43·2	57·8	..	26·4	3	5	..	5·6	3·8	..	1	7	0	0	6	0	0	0	0	0	0
Androth	30·9	..	32·0	1	24·5	..	22·8	2,3	43·5	136·1	..	59·2	2	8	..	3·0	2·0	..	1	11	0	0	0	0	0	0	0	0	0
Minicoy	31·3	+1·8	32·8	13	23·9	+0·4	21·9	3	29·0	108·1	−31·1	31·2	3	10	+2.3	6·0	4·0	−4·0	0	13	0	0	4	0	0	0	0	0	0
Hill staions Excluding Kashmir																														
Dalhousie	19·8	+1·3	25·1	2	6·0	−1·8	2·1	26,29	0	26·1	+2·0	20·0	14	2	+0·9	..	..	..	0	4	0	3	2	0	0	0	0	0	0
Dharmsala	21·6	+0·9	25·4	8	11·7	+0·3	8.3	28	0	12·6	−2·4	12·4	14	1	+0·2	5·9	4·5	+0·8	1	1	0	0	2	0	0	0	0	0	0
Simla	14·4	−0·2	20·4	11	..	..	..	..	4·6	17·8	+4·6	13·2	14	2	+0·9	..	..	..	0	2	0	0	1	0	0	0	0	0	0
Dharmpur	..	..	..	..	..	..	..	..	..	8·4	+0·3	8·4	14	1	+0·2	..	..	..	0	1	..	..	..	..	..	..	..	..	..
Lokpal	−2·2	..	1·7	3	−8·5	..	−10·0	30	..	122·0	..	45·2	5	5	..	..	..	..	0	5	0	1	3	0	0	0	0	0	0
Badrinath	Closed during winter Months																													
Joshimath	17·3	..	19·8	3	5·9	..	0·7	29	12·2	34·6	..	12·0	5	3	..	4·5	5·9	..	0	5	0	1	0	0	0	0	0	0	0
Mussoorie	16·0	+0·7	20·1	3	6·4	−0·9	2·7	27	5·8	5·8	+1·5	5·8	1	1	+0·1	9·9	6·2	−1·0	0	1	0	0	2	0	0	0	0	0	0
Mukteswar (Kumaun)	16·9	+2·0	20·0	13	5·4	−0·7	1·7	29	0	0·6	−10·1	0·6	6	0	−0·7	8·8	8·7	+1·3	0	1	0	0	1	1	0	0	0	0	0
Nainital	15·5	−0·2	19·0	2	6·2	+0·6	1·7	30	0	0·5	−6·9	0·5	6	0	−0·5	7·8	6·5	−0·6	0	1	0	0	0	0	0	0	0	0	0
Kalimpong	21·1	+1·8	22·1	25	12·8	+0·9	10.3	30	3·4	43·4	+25·4	29·6	2	3	+1·6	16·3	12·0	+1·5	0	5	0	0	0	0	0	0	0	0	0
Darjeeling	15·6	+1·2	19·5	13	6·9	−0·3	4.0	29	30·6	76·6	+56·0	31·0	4	5	+3·8	2·9	2·0	+0·6	0	5	0	0	0	2	0	0	0	0	0
Kohima	18·5	..	20·9	6,13	17·4	..	14·4	5	20·9	29·7	..	8·4	24	3	..	..	2·2	..	0	7	0	0	0	0	0	0	0	0	0
Shillong	20·4	+1·5	24.6	8	6·8	−1·1	0·9	3	10·6	19·8	−21·1	8·6	2	4	+1·3	(b) 0·6	0·8	−1·1	0	4	0	0	0	0	0	0	0	0	0
Cherrapunji (R)																														
Abu	25·6	+2·4	28·3	12	13·1	−1·2	9·6	23	0	0	−5·6	0	..	0	−0·4	11·3	5·8	+1·1	0	0	0	0	0	0	0	0	0	0	0
Aijal	23·7	..	25·5	18	14·9	..	13·0	25	0	6·4	..	6·4	23	1	..	8·2	8·2	..	0	1	0	0	0	0	0	0	0	0	0
Pachmarhi	24·6	+1·0	28·3	1	9·0	−1·4	4·9	20	0	5·6	−13·2	5·6	28	1	−0·2	4·3	2·3	−0·8	0	1	0	0	0	0	0	0	0	0	0
Mahabaleshwar	26·7	+3·4	29·4	6	15·6	+0·7	12·6	21	3·5	3·5	−36·1	3·5	26	1	−1·4	9·9	11·1	−1·0	0	1	0	0	1	1	0	0	0	0	0
Mercara	25·4	+1·5	27·6	23	15·9	+0·1	13·0	16	21·4	52·6	−23·6	26·6	25	4	−1·3	13·7	11·2	+4·6	0	4	0	0	2	1	0	0	0	0	0
Ootacamund (R)																														
Coonoor (R)																														
Kodaikanal	16·6	+0·5	19·2	22	9·7	0	6·2	16	49·6	99·1	−159·7	35·7	24	8	−4·8	11·9	12·8	+0·7	2	13	0	0	6	14	0	0	0	0	0
Nepal																														
Katmandu	22·3	..	25·3	11	7·1	..	2·4	30	4·2	42·9	..	28·0	1	3	..	1·0	0·3	..	0	5	0	0	1	18	0	0	0	0	0
Sikkim																														
Lachen	11·3	..	16·0	14	0·3	..	0	5 days	..	89·2	..	45·1	5	5	..	..	..	..	0	5	0	0	0	0	0	0	0	0	0
Hydrometeorological Observatories																														
Damodar Catchment																														
Tilaiya	27·8	..	31·5	2	13·9	..	10·6	28	0	0	..	0	..	0	..	5·9	3·2	..	0	0	0	0	0	0	0	0	0	0	0
Hazaribagh	26·1	..	29·7	2	12·8	..	9·0	30	0	0	..	0	..	0	..	5·1	2·6	..	0	0	0	0	0	0	0	0	0	0	0
Konar	33·1	..	35·3	2	17·6	..	16·2	25	0	0	..	0	..	0	..	7·6	5·9	..	0	0	0	0	0	0	0	0	0	0	0
Bokaro	30·3	..	34·1	2,3	10·3	..	7·0	19	0	0	..	0	..	0	..	5·3	2.9	..	0	0	0	0	0	0	0	0	0	0	0
Maithon	30·9	..	35·2	2	14·4	..	10·9	26	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Ramgarh	29·4	..	34·1	2	13·5	..	10·2	26	0	0	..	0	..	0	..	2·5	1·7	..	0	0	0	0	0	0	0	0	0	0	0
Panchethills	29·6	..	33·5	2,7	17·0	..	13·8	29	0	0	..	0	..	0	..	3·3	2·2	..	0	0	0	0	0	5	0	0	0	0	0
Mahanadi catchment																														
Durgapur	28·7	..	35·4	6	16·4	..	13.4	28	0	0	..	0	..	0	..	7·6	5·6	..	0	0	0	0	0	4	0	0	0	0	0
Ginabahar	29·5	..	32·9	3	11·7	..	8·8	20	..	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Hirakud	31·1	..	34·7	3	17·4	..	15·6	20	0	0	..	0	..	0	..	3·2	1·6	..	0	0	0	0	0	0	0	0	0	0	0
Bhimkund	29·5	..	33·0	4	15·2	..	12·1	26,27	0	0	..	0	..	0	..	3·9	1·6	..	0	0	0	0	0	1	0	0	0	0	0

(R) Register not received

(b) Mean of 29 days

TABLE II—SUMMARY OF OBSERVATIONS TEMPERATURE, RAINFALL AND WEATHER NOVEMBER, 1965 (KARTIKA 10—AGRAHAYANA 9, 1887 SAKA)

Sub-Division and station	Air temperature in °C								Rainfall in milimeters					No. of rainy days (2·5 mm. or more)		Wind speed, km. per hour			Weather phenomena—No. of days with									
	Mean Maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from Normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0.2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-strom	Ground frost	Gale	Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20b)	21	22	23	24	25	26	27	28
Hydrometeorological observatories (*Contd*)																												
Sonepur	31·1	..	34·0	5	18·4	..	14·4	11	..	0	..	0	..	0	..	..	2·8	..	0	0	..	..	..	..	..	..	..	..
Khijravan	30·7	..	34·1	3,5	14·2	..	10·1	19	0	0	..	0	..	0	..	7·6	4·8	..	0	0	0	0	0	0	0	0	0	0
Narmada Catchment																												
Bagratawa	30·6	..	35·6	3	12·4	..	8·4	21	0	6·4	..	6·4	28	1	..	(d) 5·8	(d) 3·6	..	1	0	0	0	0	0	0	0	0	0
Punasa	32·7	..	38·9	8	..	..	..	..	..	13·3	..	13·3	28	1	..	..	..	..	1	0	0	0	0	0	0	0	0	0
Thikri	34.2	..	37.8	1	15.8	..	9.7	20	7.5	7.5	..	7.5	28	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0
Sabarmati catchment																												
Daroi	34.2	..	36.6	8	17.8	..	14.8	26	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
Gandak catchment																												
Jomosom	15.5	..	20.3	3	1.7	..	–2.3	30	2.0	2.0	..	2.0	5	0	..	..	..	..	0	1	..	..	..	..	..	..	..	..
Khudi Bazar	22.5	..	25.1	10	11.5	..	7·9	30	5.6	52.8	..	33.2	5	2	..	..	..	..	0	6	..	..	..	..	..	..	..	..
Timure	19.4	..	22.5	14	..	..	..	..	5.0	13.1	..	12.3	5	1	..	..	..	..	0	2	..	..	..	..	..	..	..	..
Pokhara	22.3	..	24.6	11	12.0	..	7.9	30	72.1	107·5	..	57·7	5	4	..	4.1	3.8	..	1	5	0	0	2	3	0	0	0	1
Gorkha	20.9	..	22.7	14	12.7	..	9.3	27	2.0	125.9	..	62·0	1	3	..	..	..	..	0	6	0	1	2	6	0	0	0	0
Nuwakot	(p) 22.5	..	24.1	15	(i) 11.8	..	8.5	30	(e) 3.1	(c) 49.2	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..
Ghaghara catchment (Transhimalayan region)																												
Dailekh	(b) 19.9	..	22.2	12	10.3	..	6.4	30	0	1.8	..	1.8	7	0	..	..	..	.	0	1	..	..	..	..	..	..	..	..
Ghaghra catchment																												
Dadeldhura	17.1	..	21.0	1	8.0	..	4.4	30	0	4.2	..	4.2	6	1	..	5·4	4·3	..	0	1	0	1	1	0	0	0	0	0
Sallayana (R).																												
Butwal	27.6	..	28.9	10	17.5	..	13.2	30	14.0	14.0	..	10.0	2	2	..	..	..	..	0	2	..	..	..	..	..	..	..	..
Bhagmati Catchment																												
Katmandu*																												
Kosi catchment																												
Chautara	21.0	..	23.3	23	10.0	..	7.1	29,30	0.7	33.8	..	20.4	5	2	..	..	..	..	0	3	..	..	..	..	..	..	..	..
Walungchung Gola	(c) 9.1	..	13.5	14	0.4	..	–2.7	28	18.4	47.8	..	29.2	5	4	..	..	..	..	0	4	..	..	..	..	..	..	..	..
Taplethok	22.5	..	25.9	14	9.7	..	7.1	29	0	59.2	..	29.8	5	4	..	..	..	..	0	6	..	..	..	..	..	..	..	..
Bhojpur	19.1	..	22.7	14	10.5	..	8.0	29	0	57.0	..	29.6	4	4	..	..	..	..	0	5	..	..	..	..	..	..	..	..
Taplejung	17.4	..	20.8	14	7.7	..	4.8	29	14.2	62.1	..	18.6	4	6	..	5.5	3.5	..	0	6	0	0	0	2	0	0	0	0
Okhaldhunga	17.7	..	21.8	9	8·9	..	6.1	29	0.6	19.2	..	8.8	4	2	..	3.4	2.5	..	0	4	0	0	0	4	0	0	0	0
Chainpur	21.1	..	23.0	9	12.6	..	9.9	24	30.8	140.8	..	46.0	2	6	..	..	..	..	0	6	..	..	..	..	..	..	..	..
Angbung (R).																												
Barahakshetra	27.3	..	30.3	11	15.3	..	12 1	23	0.8	34.1	..	16.8	4	3	..	4.9	4.3	..	0	6	0	0	1	0	0	0	0	0
Tista catchment																												
Gangtok	18.5	..	22.5	13	8.2	..	5.6	29	42.4	122.7	..	33.3	5	6	..	1.7	2.1	..	1	6	0	0	0	7	0	0	0	0
Gezing	20.9	..	24.2	12, 13	8.7	..	5.8	23	16.0	81.6	..	27.3	5	6	..	..	..	..	0	6	..	..	..	..	..	..	..	..

f Observation for 24 days. *Data included under 'Nepal'.

(i) Mean of 22 days.
(b) Mean of 29 days.
(d) Mean of 27 days.
(c) Mean of 28 days.
(g) Total for 23 days.
(p) Mean of 15 days
(e) Mean or total for 26 days.

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bay Islands																											
Maya Bandar	0830	28	1012·9	1009·7	..	27·5	24·9	23·7	29·3	80	..	3·7	..	12·6	0	7	20	3	13	7	3	0	0	0	1	3	0
	1730	,,	1010·0	1006·9	..	27·0	24·7	23·7	29·3	82	..	4·1	..	10·7	0	6	28	2	17	4	2	0	1	0	0	4	0
Long Island	0830	25	1013·3	1010·5	..	28·2	25·3	24·1	30·0	78	..	4·2	..	1·1	0	0	8	0	3	5	0	0	0	0	0	22	0
	1730	,,	1010·5	1007·7	..	26·5	24·6	23·7	29·3	85	..	4·5	..	0·6	0	0	5	0	3	2	0	0	0	0	0	25	0
Port Blair	0530	79	1011·6	1002·6	..	24·6	23·6	23·1	28·3	91	..	4·4	..	7·7	0	2	19	3	1	5	9	0	0	1	2	9	0
	0830	,,	1013·2	1004·4	+1·3	28·7	25·3	23·8	29.5	75	−1	4·7	+0·1	10·4	0	1	27	0	2	10	13	0	1	2	0	2	0
	1130	,,	1011·3	1002·6	..	29·4	25·8	24·2	30·2	74	..	5·1	..	13·2	0	5	24	1	1	10	12	3	2	0	0	1	0
	1730	,,	1010·7	1001·8	..	26·4	24·1	23·1	28·3	82	..	5·0	..	8·5	0	3	20	1	1	10	7	2	2	0	0	7	0
	2330	,,	1012·0	1003·0	..	25·3	23·9	23·2	28·4	87	..	4·4	..	9·1	0	4	16	0	0	9	6	2	0	0	3	10	0
Car Nicobar	0830	10	1015·7	1014·5	..	28·5	25·4	24·1	30·0	77	..	4·7	..	3·1	0	0	23	3	5	6	9	0	0	0	0	7	0
	1730	,,	1009·8	1008·6	..	26·9	24·9	24·0	29·8	84	..	3·9	..	1·8	0	0	12	1	5	4	2	0	0	0	0	18	0
Nancowry	0830	26	1012·4	1009·5	..	28·1	25·7	24·7	31·1	82	..	4·7	..	1·5	0	0	11	0	5	1	0	0	3	1	1	19	0
	1730	,,	1009·8	1006·9	..	26·7	24·9	24·1	30 0	86	..	4·0	..	0·5	0	0	3	0	0	1	0	0	1	1	0	27	0
Kondul	0830	8	..	..	..	27·8	25·3	24·1	30·0	81	..	5·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	26·4	24·8	24·1	30·0	87	..	5·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Assam (Including NEFA)																											
Pasighat	0830	157	1018·4	1000·1	..	18·4	15·5	13·3	15·3	73	..	3·0	..	20·3	0	11	19	0	1	1	1	0	0	0	27	0	0
	1730	,,	1014·7	996·4	..	18·1	16·9	16·1	18·3	87	..	3·0	..	3·7	0	0	12	0	0	0	0	0	0	1	11	18	0
Dibrugarh (Mohanbari).	0230	111	1015·3	1002·1	..	13·8	13·4	12·9	14·9	94	..	2·0	..	1·4	0	0	5	0	4	1	0	0	0	0	0	25	0
	0530	,,	1016·1	1002·9	..	12·7	12·4	12·1	14·1	96	..	2·7	..	1·2	0	0	6	0	4	2	0	0	0	0	0	24	0
	0830	,,	1018·0	1005·0	−1·1	19·0	16·7	15·1	17·1	78	−9	2·5	−0·1	5·7	0	0	28	1	17	8	1	1	0	0	0	2	0
	1130	,,	1015·6	1002·8	..	23·2	17·8	14·0	16·0	58	..	2·6	..	6·0	0	1	28	1	20	8	0	0	0	0	0	1	0
	1430	,,	1013·1	1000·3	..	24·4	18·4	14·3	16·3	55	..	2·7	..	3·7	0	0	21	1	13	7	0	0	0	0	0	9	0
	1730	,,	1014·2	1001·3	..	19·3	17·3	15·9	18·1	81	..	2·6	..	1·1	0	0	5	0	5	0	0	0	0	0	0	25	0
	2030	,,	1015·8	1002·7	..	15·8	14·9	14·2	16·2	90	..	2·0	..	0·9	0	0	4	0	4	0	0	0	0	0	0	26	0
	2330	,	1015·9	1002·7	..	14·5	13·9	13·5	15·5	93	..	1·8	..	1·4	0	0	5	0	2	2	0	0	0	0	1	25	0
Digboi	0830	152	1016·9	999·4	..	23·7	20·6	18·9	21·8	74	..	2·3	..	3·0	0	0	25	8	7	6	0	0	0	2	2	5	0
	1730	,,	1014·5	997·0	..	24·2	21·3	19·7	22·9	76	..	(b) 1·2	..	(b) 0·9	0	0	8	1	3	2	0	0	0	1	1	12	0
North Lakhimpur	0830	102	1018·4	1006·5	+1·7	20·0	17·6	16·0	18·2	78	+2	2·4	−0·3	3·9	0	0	25	2	14	1	4	0	1	1	2	5	0
	1130	,,	1016·0	1004·3	..	24·1	19·4	16·4	18·6	63	..	2·3	..	4·1	0	0	25	2	8	11	3	1	0	0	0	5	0
	1430	,,	1013·8	1002·1	..	24·9	19·5	16·1	18·3	59	..	2·7	..	2·9	0	0	19	2	4	6	4	2	1	0	0	11	0
	1730	,,	1014·7	1002·8	..	19·3	18·1	17·3	19·7	89	..	2·0	..	0·9	0	0	3	0	2	0	0	0	0	0	0	27	1
	2030	,,	1016·3	1004·3	..	16·8	16·3	15·9	18·1	95	..	1·6	..	1·0	0	0	5	0	3	0	0	0	1	0	1	25	0
Sibsagar	0830	97	1018·3	1007·0	+1·6	18·5	17·5	16·9	19·3	91	+2	3·6	−1·8	2·3	0	0	22	13	7	1	0	1	0	0	0	8	0
	1730	,,	1013·7	1002·6	..	22·8	19·2	17·0	19·4	70	..	2·7	..	1·3	0	0	15	7	6	0	1	0	1	0	0	15	0
Gohpur	0830	83	1018·1	1008·5	..	18·2	17·2	16·5	18·8	90	..	3·0	..	3·3	0	0	26	0	12	1	11	0	0	0	1	4	1
	1730	,,	1013·9	1004·3	..	19·9	18·3	17·3	19·7	85	..	2·1	..	2·5	0	0	19	8	7	0	0	0	0	0	4	11	0
Majbat	0830	..	..	..	..	20·6	17·2	14·8	16·8	70	..	−2·8	..	3·4	0	0	24	0	20	0	2	1	0	0	1	6	0
	1730	..	..	..	..	20·7	18·4	16·9	19·3	80	..	2·6	..	1·1	0	0	10	0	7	1	1	0	1	0	0	20	0
Jorhat Aerodrome	0530	90	1015·7	1005·1	..	14·3	14·3	14·3	16·3	100	..	4·4	..	0·2	0	0	5	1	4	0	0	0	0	0	0	25	0
	0830	,,	1017·6	1007·1	..	18·8	17·8	17·2	19·6	90	..	4·8	..	0·6	0	0	11	1	8	2	0	0	0	0	0	19	0
	1130	,,	1015·4	1005·1	..	23·8	19·9	17·5	20·0	68	..	3·1	..	1·3	0	0	26	2	20	4	0	0	0	0	0	4	0
	1730	,,	1013·7	1003·2	..	19·5	18·2	17·3	19·7	87	..	2·4	..	0·1	0	0	1	0	1	0	0	0	0	0	0	29	0
	2330	,,	1015·4	1004·8	..	15·9	15·8	15·7	17·8	99	..	1·5	..	0·2	0	0	3	0	3	0	0	0	0	0	0	27	0
Tangla	0830	78	1016·6	1007·6	..	20·0	18·7	17·9	20·5	87	..	2·6	..	1·7	0	0	21	0	0	0	19	0	1	0	1	9	0
	1730	,,	1012·8	1003·9	+1·0	22·8	21·9	21·5	25·6	92	..	2·7	..	0·3	0	0	3	0	0	0	3	0	0	0	0	27	0
Tezpur	0830	79	1018·1	1008·9	..	18·5	16·8	15·7	17·8	83	+2	2·8	+0·5	2·9	0	0	30	4	24	2	0	0	0	0	0	0	0
	1730	,,	1013·9	1004·8	..	21·4	19·6	18·5	21·3	84	..	1·1	..	1·5	0	0	19	4	14	1	0	0	0	0	0	11	0
Golaghat	0830	95	1013·9	1002·8	..	19·6	17·9	16·8	19·1	83	..	(b) 3·1	..	(b) 0	0	0	0	0	0	0	0	0	0	0	0	29	0
	1730	,,	1013·0	1002·1	..	24·4	20·0	17·3	19·7	65	..	(c) 2·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rangia	0330	60	1018·3	1011·3	..	21·6	19.1	17·5	20·0	78	..	2·4	..	8·2	0	0	30	0	9	18	3	0	0	0	0	0	0
	1730	,,	1014·3	1007·3	..	22·2	19·8	18·4	21·1	79	..	1·1	..	1·7	0	0	17	0	4	11	2	0	0	0	0	13	0
Chaparmukh	0830	66	1018·9	1011·4	..	20·3	18·7	17·7	20·2	85	..	(c) 3·2	..	(c) 2·8	0	0	28	0	4	15	13	0	0	0	0	0	0
	1730	,,	1014·5	1007·0	..	23·4	20·4	18·7	21·6	76	..	(c) 1·6	..	(c) 2·5	0	0	21	3	5	4	5	2	1	0	1	7	0
Goalpara	0830	38	1018·2	1013·7	..	19·1	17·5	16·4	18·6	84	..	3·5	..	1·9	0	0	27	0	17	2	7	0	0	0	1	3	0
	1730	,,	1013·7	1009·4	..	24·7	21·0	18·9	21·8	72	..	1·6	..	1·0	0	0	15	0	6	2	6	0	0	0	8	15	0

(b)—Mean of 29 days.

(c) Mean of 26 days.

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NorthAssam(including) NEFA—*Contd.*																											
Gauhati (Bhorjor)	0230	54	1014·4	1008·1	..	16·8	16.5	16·3	18·5	97	..	2.8	..	2·4	0	0	11	2	5	2	0	2	0	0	0	19	0
	0530	,,	1015·2	1008·8	..	16·2	15·9	15·8	17·9	97	..	3·6	..	1·5	0	0	8	1	5	2	0	0	0	0	0	22	0
	0830	,,	1017·3	1011 0	+1.2	19·5	18·4	17·7	20·2	89	+11	5·0	+2·4	3·3	0	0	17	3	11	0	0	1	1	0	1	15	0
	1130	,,	1015·1	1008·9	..	24·2	20·7	18·7	21·6	71	..	2·9	..	6·7	0	0	29	9	15	3	0	0	0	1	0	1	1
	1430	,,	1012·5	1006·1	..	25·5	20·6	17·7	20·2	62	..	2·7	..	6·4	0	0	28	9	18	0	1	0	0	0	0	2	0
	1730	,,	1013·3	1007·1	..	21·6	19·6	18·4	21·1	82	..	2·5	..	1·9	0	0	10	5	5	0	0	0	0	0	0	20	0
	2030	,,	1015·2	1008·9	..	18·9	18·2	17·7	20·2	93	..	1·7	..	1·3	0	0	7	2	3	1	0	1	0	0	0	23	0
	2330	,,	1015·2	1008·8	..	17·3	16·9	16·6	18·9	96	..	1·4	..	1·1	0	0	5	1	4	0	0	0	0	0	0	25	0
Dhubri (Rupsi)	0530	45	1014·9	1009·5	..	15·7	15·3	15·0	17·0	95	..	2·2	..	6·9	0	0	28	0	19	6	1	1	0	1	0	2	0
	0830	,,	1016·8	1011·5	..	20·4	18·3	16·9	19·3	80	..	2·6	..	8·5	0	0	30	0	11	18	0	0	0	1	0	0	0
	1130	,,	1015·1	1009·9	..	21·5	20·5	18 2	20·9	68	..	2·5	..	10·3	0	0	30	1	8	19	2	0	0	0	0	0	0
	1730	,,	1012·7	1007·5	..	23·8	20·7	18·9	21·8	75	..	2·0	..	2·5	0	0	12	1	4	7	0	0	0	0	0	18	0
Dhubri	0830	35	1017·5	1013·3	+1.4	20·2	18·8	17·9	20·5	86	+7	2·0	+0·3	10·1	0	1	28	0	25	4	0	0	0	0	0	1	0
	1730	,,	1013·9	1009·9	..	22·6	20·5	19·5	22·7	82	..	1·5	..	0·5	0	0	6	1	5	0	0	0	0	0	0	24	0
Lumding	0830	149	1017·8	1000·4	..	17·8	16·8	16·1	18·3	90	+1	3·3	..	1·0	0	0	10	0	2	7	1	0	0	0	0	20	0
South Assam (including Nagaland, Manipur & Tripura)	1730	,,	1013·8	996·7	..	22·7	20·5	19·3	22·4	81	..	2·3	..	0·5	0	0	7	0	0	4	0	0	0	2	1	23	0
Tura	0830	370	1017·0	974·5	..	19·3	17·2	15·8	17·9	80	..	3·0	..	3·5	0	0	26	0	2	16	6	2	0	0	0	4	0
	1730	,,	1013·3	971·5	..	23·7	21·8	20·8	24·6	84	..	5·4	..	1·3	0	0	25	0	3	5	6	3	1	7	0	5	0
Haflong	0830	682	1016·6	939·7	..	18·3	16·1	14·7	16·7	81	..	3·9	..	2·3	0	0	22	0	0	0	0	1	4	0	17	8	0
	1730	,,	1012·8	936·6	..	19·6	17·4	16·1	18·3	80	..	2·8	..	2·2	0	0	16	0	0	0	0	0	8	0	8	14	0
Silchar (Kumbhirgram)	0530	97	1013·6	1002·3	..	16·9	15·8	15·0	17·0	88	..	2·2	..	8·0	0	0	30	0	0	29	1	0	0	0	0	0	0
	0830	,,	1015·4	1004·2	..	21·3	18·2	16·2	18·4	73	..	1·9	..	9·5	0	0	30	0	0	28	1	0	0	1	0	0	0
	1130	,,	1013·0	1002·0	..	25·7	20·0	16·5	18·8	58	..	1·7	..	6·3	0	0	28	0	2	56	5	3	1	0	0	2	0
	1730	,,	1011·5	1000·4	..	22·8	19·8	18·0	20·6	75	..	1·2	..	4·7	0	0	24	3	11	8	0	0	0	0	2	6	0
Silchar	0830	29	1017·0	1013·6	+1.3	21·8	19·5	18·1	20·8	79	−1	2·7	+0·2	0·4	0	0	6	0	3	2	1	0	0	0	0	24	0
	1730	,,	1013·3	1009 9	..	24·5	21·2	19·3	22·4	62	..	1·6	..	0	0	0	0	0	0	0	0	0	0	0	0	30	0
Imphal (Tulihal)	0530	781	1019·0	929·2	..	11·1	10·7	10·3	12·5	96	..	4·5	..	0·4	0	0	2	0	2	0	0	0	0	0	0	28	0
	0830	,,	1019·1	930·8	+1.1	16·5	14·6	13·1	15·1	81	+3	4·4	+1·0	1·1	0	0	6	0	0	0	2	4	0	0	0	24	0
	1130	,,	1014·7	928·5	..	22·2	16·8	12·8	14·8	57	..	3·0	..	2·3	0	0	9	0	0	2	1	2	2	1	1	21	0
	1430	,,	1011·7	926·1	..	23·9	17·1	12·0	14·0	49	..	2·9	..	6·2	0	0	22	1	0	2	1	7	7	3	1	8	0
	1730	,,	1014·2	926·9	..	18·3	15·5	13·4	15·4	74	..	2·6	..	3·5	0	0	11	1	0	0	4	1	2	2	1	19	0
	2030	,,	1017·2	928·6	..	14·8	13·8	13·0	15·0	90	..	1·9	..	1·2	0	0	4	1	0	0	1	0	1	1	0	26	0
	2330	,,	1017·9	928·7	..	12·9	12·3	11·8	13·8	93	..	1·9	..	0·3	0	0	2	1	1	0	0	0	0	0	0	28	0
Kailashahar	0530	29	1015·1	1011·7	..	17·2	17·0	16·9	19·3	97	..	2·6	..	0·7	0	0	6	1	0	0	0	1	4	0	0	24	0
	0830	,,	1016·9	1013·5	..	22·3	20·5	19·5	22·7	84	..	1·8	..	2·7	0	0	24	4	3	4	1	3	6	0	3	6	0
	1130	,,	1014·8	1011·5	..	27·3	22·5	20·0	23·4	64	..	2·5	..	4·8	0	0	29	2	4	10	2	2	6	2	1	1	0
	1730	,,	1013·4	1010·1	..	23·8	21·8	20·7	24·4	82	..	1·4	..	0·9	0	0	7	0	0	2	0	1	3	1	0	23	0
Agartala	0220	16	1012·5	1010·7	..	19·0	18·3	17·8	20·4	93	..	0·5	..	0·6	0	0	3	0	0	0	1	2	0	0	0	27	0
	0530	,,	1013·0	1011·2	..	17·8	17·3	17·0	19·4	95	..	1·5	..	0·4	0	0	2	0	0	0	0	2	0	0	0	28	0
	0830	,,	1015·2	1013·4	+0.7	23·5	21·2	20·1	23·5	81	+4	2·3	+0·2	3·9	0	0	14	5	2	0	0	4	0	0	3	16	0
	1130	,,	1013·6	1011·8	..	27·6	22·0	18·9	21·8	59	..	2·9	..	6·7	0	0	26	6	3	1	2	3	2	5	4	4	0
	1430	,,	1011·4	1009 6	..	28·9	22·0	18·1	20·8	53	..	2·6	..	7·5	0	0	27	6	1	0	1	5	1	4	9	3	0
	1730	,,	1011·7	1009·0	..	25·3	21·6	19·6	22·8	71	..	1·0	..	2·0	0	0	11	1	0	1	1	4	0	0	4	19	0
	2030	,,	1013·1	1011·3	..	21·1	9·9	19·2	22·2	89	..	0·7	..	0·4	0	0	2	0	0	0	0	2	0	0	0	28	0
	2330	,,	1013·3	1011·5	..	19·9	19·0	18·4	21·1	91	..	0·5	..	1·0	0	0	3	0	0	0	0	3	0	0	0	27	0
Sub Himalayan West Bengal																											
Baghdogra	0230	131	1014·8	999·3	..	15·1	14·6	13·9	15·9	93	..	1·4	..	2·9	0	0	11	10	1	0	0	0	0	0	0	19	0
	0530	,,	1015·5	999·9	..	13·8	13·0	12·3	14·3	91	..	1·7	..	5·0	0	0	17	10	5	1	0	0	0	0	1	13	0
	0830	,,	1017·4	1002·2	+1·7	21·0	17·6	14·9	16·9	70	−1	1·8	+0·1	4·7	0	0	14	0	7	5	1	0	0	1	0	16	0
	1130	,,	1015·9	1000·9	..	26·0	19·4	15·1	17·1	52	..	2·5	..	8·9	0	0	27	1	5	11	5	2	1	1	0	3	0
	1430	,,	1013·1	998·2	..	27·3	19·8	14·9	16·9	47	..	2·6	..	7·6	0	0	26	0	3	9	0	5	6	3	0	4	0
	1730	,,	1013·7	998·5	..	21·1	18·6	17·1	19·5	78	..	1·8	..	1·7	0	0	6	1	1	2	0	0	0	2	0	24	0
	2030	,,	1015·6	1000·2	..	18·5	16·9	15·8	17·9	85	..	1·6	..	6·2	0	0	20	14	4	0	0	0	0	0	2	10	0
	2330	,,	1015·7	1000·2	..	16·6	15·3	14·3	16·3	86	..	1·6	..	6·3	0	1	19	13	4	1	0	0	0	0	2	10	0
Jalpaiguri	0830	83	1017·1	1007·4	+1·1	18·3	16·5	15·3	17·4	82	+2	1·2	+0·1	5·7	0	1	29	11	9	2	0	0	1	1	6	0	0
	1730	,,	1013·1	1003·7	..	23·8	19·7	17·2	19·6	67	..	0·9	..	1·5	0	0	10	0	1	4	4	0	0	1	0	20	0
Cooch Behar	0830	43	1017·4	1012·4	..	20·5	17·7	15·8	17·9	74	..	2·0	..	7·9	0	0	27	2	13	12	0	0	0	0	0	3	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observatoins, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Sub-Himalayan West Bengal—(*contd.*)																											
Cooch Behar—(contd.)	1130	43	1015·6	1010·7	..	24·9	19·7	16·5	18·8	60	..	2·3	..	10·7	0	2	27	0	10	18	1	0	0	0	0	1	0
	1730	,,	1013·5	1008·6	..	21·8	19·2	17·6	20·1	77	..	1·5	..	0·8	0	0	5	0	1	2	0	0	0	1	1	25	0
Balurghat	0830	26	1015·5	1012·5	..	21·9	19·4	17·9	20·5	79	..	2·0	..	2·9	0	0	25	16	3	3	0	0	1	0	2	5	0
	1730	,,	1011·9	1009·9	..	23·4	20·8	19·3	22·4	77	..	1·2	..	0·3	0	0	4	3	1	0	0	0	0	0	0	26	0
Malda	0830	31	1016·9	1013·2	+1·2	21·7	19·0	17·3	19·7	76	+4	1·8	+1·0	1·7	0	0	19	10	5	2	0	0	0	1	1	11	0
	1730	,,	1012·9	1009·3	..	24·5	20·3	17·7	20·2	67	..	1·0	..	1·1	0	0	14	6	3	1	0	0	0	0	4	16	0
Gangetic West Bengal																											
Berhampore	0830	19	1016·4	1014·2	+0·8	21·7	19·7	18·5	21·3	82	+7	1·8	0	2·1	0	0	21	5	0	3	0	7	3	2	1	9	0
	1730	,,	1012·5	1010·3	..	24·7	20·9	18·7	21·6	71	..	0·2	..	0·4	0	0	4	0	0	2	0	1	1	0	0	26	0
Suri	0830	..	..	..	..	23·2	19·1	16·5	18·8	66	..	1·5	..	2·8	0	0	30	10	1	6	0	2	2	7	2	0	0
Asansol	0230	126	1014·4	999·5	..	16·8	15·5	14·5	16·5	86	..	0·4	..	0·5	0	0	3	0	0	0	1	0	0	0	2	27	0
	0530	,,	1015·1	1000·3	..	16·5	15·4	14·6	12·6	88	..	1·6	..	1·7	0	0	14	0	1	0	1	1	2	6	3	16	0
	0830	,,	1016·8	1002·3	+1·8	23·0	18·6	15·7	17·8	64	−5	1·3	−0·8	5·4	0	0	27	1	3	2	1	1	1	5	13	3	0
	1130	,,	1015·0	1000·7	..	28·5	19·8	14·1	16·1	41	..	1·1	..	6·9	0	0	28	8	8	1	1	1	1	5	3	2	0
	1430	,,	1012·3	998·2	..	29·6	19·6	12·3	14·7	35	..	1·7	..	7·3	0	6	23	6	9	2	1	0	1	4	6	1	0
	1730	,,	1012.9	998·5	..	24·3	18·6	14·8	16·8	55	..	1·5	..	1·9	0	0	13	2	1	1	0	0	1	4	4	17	0
	2030	,,	1015.1	1000·4	..	19·8	16·9	14·9	16·9	74	..	0·3	..	1·7	0	0	9	1	0	0	0	1	1	4	2	21	0
	2330	,,	1015·2	1000·4	..	18·1	15·9	14·3	16·3	79	..	0·2	..	2·3	0	0	11	2	0	2	0	0	1	2	4	19	0
Shanti Niketan	0830	59	1016·7	1009·9	..	22·2	10·3	17·5	20·0	75	..	1·2	..	2·7	0	0	26	10	5	0	1	0	4	1	5	4	0
	1130	,,	1015·4	1008·7	..	27·4	20·5	16·3	18·5	51	..	1·0	..	3·2	0	0	26	9	3	1	0	2	1	3	7	4	0
	1730	,,	1012·9	1006·2	..	23·6	19·9	17·7	20·2	69	..	1·2	..	3·1	0	0	23	8	6	1	0	4	0	1	3	7	0
Krishnanagar	0830	15	1016·5	1014·8	+1·1	24·2	20·5	18·3	21·0	70	+1	0·9	−0·8	1·1	0	0	7	2	0	0	0	2	2	0	1	23	0
	1730	,,	1013·9	1012·2	..	25·3	20·3	17·3	19·7	60	..	0	..	0	0	0	0	0	0	0	0	0	0	0	0	30	0
Purulia	0830	255	1017·3	988 1	+1·2	21·4	17·4	14·6	16·6	65	+3	1·4	+0·1	3·2	0	0	29	5	1	0	1	2	2	2	16	1	0
	1730	,,	1013·2	984·4	..	25·4	19·1	14·9	16·9	52	..	2·0	..	1·4	0	0	15	2	5	0	1	3	2	0	2	15	0
Bankura	0830	100	1016·4	1004·9	..	21·7	19·6	19·3	21·0	81	..	1·0	..	1·1	0	0	15	2	0	0	0	0	2	0	12	14	0
	1730	,,	1012·5	1001·3	..	26·7	23·6	22·1	26·6	76	..	0·2	..	0·1	0	0	1	0	0	0	0	0	0	0	0	29	1
Burdwan	0830	32	1016·5	1012·8	+1·1	22·8	20·0	18·4	21·1	76	+7	0·2	−1·5	..	..	..	..	..	.	..	..	..	..	..	..	..	..
	1730	,,	1012·3	1008·7	..	26·4	22·6	20·6	24·3	70	..	0·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Barrackpore (Aerodrome)	0530	7	1014·3	1013·5	..	18·6	17·8	17·3	19·7	91	..	1·3	..	2·7	0		14	5	1	0	0	2	3	1	2	16	0
	0830	,,	1016·4	1015·6	+0·7	23·4	20·2	18·3	21·0	73	0	1·1	−0·8	5·4	0	0	24	8	1	1	1	0	5	2	6	6	0
	1130	,,	1014·8	1014·1	..	27·9	21·2	17·3	19·3	52	..	1·3	..	7·7	0	0	28	7	4	0	0	0	4	4	10	2	0
	1730	,,	1013·0	1012·2	..	24·5	20·8	18·7	21·7	70	..	1·2	..	2·0	0	0	13	3	0	0	0	0	2	0	8	17	0
	2330	,,	1014·5	1013·7	..	20·1	18·7	17·8	20·4	88	..	0·4	..	0·1	0	0	7	1	0	0	0	2	2	0	2	23	0
Calcutta (Dum Dum)	0230	6	1013·3	1012·6	..	19·7	18·9	18·4	21·1	92	..	0·7	..	1·7	0	0	13	3	3	1	0	3	2	0	1	17	0
	0530	,,	1014·0	1013·3	..	19·0	18·2	17·7	20·2	92	..	1·7	..	1·7	0	0	14	3	2	0	1	1	4	0	3	16	0
	0830	,,	1016·1	1015·4	+1·3	23·8	20·3	18·3	21·0	71	0	0·9	−1·0	4·6	0	0	26	7	6	1	1	1	4	3	3	4	0
	1130	,,	1014·5	1013·8	..	28·2	21·4	17·5	20·0	53	..	1·2	..	6·1	0	0	28	9	5	1	0	0	1	6	6	2	0
	1430	,,	1012·2	1011·5	..	29·2	21·5	17·0	19·0	47	..	1·8	..	4·9	0	0	27	3	7	0	0	0	4	3	10	3	0
	1730	,,	1012·6	1011·9	..	25·1	21·4	19·3	22·4	70	..	1·3	..	1·4	0	0	7	0	1	0	0	3	2	0	1	23	0
	2030	,,	1014·2	1013·5	..	21·9	20·4	19·5	22·7	87	..	0·4	..	0·9	0	0	7	0	1	0	0	5	1	0	0	23	0
	2330	,,	1014·1	1013·4	..	20·4	19·4	18·8	21·7	91	..	0·3	..	1·3	0	0	9	5	0	0	0	3	1	0	0	21	0
Calcutta	0830	6	1016·1	1015·4	+0·9	25·1	20·7	18·1	20·8	65	−11	0·8	−1·0	4·2	0	0	27	7	4	0	0	0	5	2	9	3	0
	1130	,,	1014·5	1013.8	..	29·0	21·2	18·5	18·8	47	..	1·0	..	7·0	0	0	28	7	3	1	0	0	5	3	9	2	0
	1730	,,	1012·7	1012·0	..	25·8	20·7	17·7	20·2	61	..	0·9	..	3·3	0	0	2	3	0	0	0	5	1	1	12	8	0
Midnapore	0830	45	1016·2	1010·9	+0·9	22·9	18·7	16·0	18·2	66	0	0·5	−1·3	1·6	0	0	20	9	5	1	0	0	3	2	0	10	0
	1730	,,	1012·6	1007·3	..	26·3	20·9	17·7	20·2	59	..	0·6	..	0·4	0	0	6	1	2	0	0	2	1	0	0	24	0
Contai	0830	11	1016·1	1014·9	+1·3	24·3	20·8	18·9	21·8	72	−1	0·6	−1·2	4·9	0	0	26	20	0	0	0	3	3	0	0	4	0
	1730	,,	1012·6	1011·4	..	25·7	21·4	19·0	22·0	67	..	0·6	..	0·5	0	0	4	0	0	0	0	4	0	0	0	26	0
Sagar Island	0830	3	1015·4	1015·1	+0·6	24·6	21·5	19·8	23·1	74	−1	1·7	−0·9	13·0	0	3	27	13	6	0	1	2	4	1	3	0	0
	1730	,,	1012·3	1012·0	..	25·6	21·3	18·9	21·8	66	..	1·8	..	10·0	0	1	29	11	2	0	1	4	5	2	5	0	0
Sandheads	0530	10	1013·2	1012·1	..	25·7	21 6	19·3	22·4	68	..	1·8	..	11·9	0	1	25	7	11	0	0	0	6	2	0	4	0
	0830	,,	1015·2	1014·1	+0·7	27·4	22·2	19·4	22·5	62	0	1·5	−1·3	11·5	0	2	26	7	13	0	0	1	6	1	0	2	0
	1130	,,	1014·4	1013·3	..	28.5	22·6	19·5	22·7	58	..	1·2	..	13·1	0	3	26	9	12	0	0	1	6	1	0	1	0
	1730	,,	1012·5	1011·4	..	26·5	21·6	18·8	21·8	63	..	1·3	..	9·0	0	0	27	12	7	0	0	1	4	2	1	3	0
	2330	,,	1014·0	1012·9	..	26·0	21·3	18·7	21·6	65	..	0·1	..	8·5	0	0	27	11	9	0	0	1	4	2	0	3	0
Orissa																											
Berhampur	0830	54	1017·5	1011·1	..	21·9	18·3	15·9	18·1	69	..	0 9	..	2·1	0	0	23	11	8	0	0	0	0	1	3	7	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Orissa—(*Contd.*)																											
Baripada (contd.)	1730	54	1013·8	1007·6	..	24·6	19.8	16·9	19·3	62	+	0·8	..	0	0	0	0	0	0	0	0	0	0	0	0	30	0
Jharsuguda . .	0230	230	1013·0	987·3	..	17·5	15.4	13·8	15·8	80	+	0·5	..	1·7	0	0	11	5	3	3	0	0	0	0	0	19	0
	0530	,,	1015·0	988·1	..	16·2	14.7	13·5	15·5	84	+	1·5	..	2·9	0	0	15	9	5	1	0	0	0	0	0	15	0
	0830	,,	016·9	990·4	+1.1	21·5	16.7	.3·1	15·1	59	−7	1·4	−0.3	5·8	0	0	20	11	9	0	0	0	0	0	0	10	0
	1130	,,	1015·0	989·1	..	28·2	18.5	11·3	13·4	35	..	1·2	..	7·8	0	0	26	3	8	4	1	1	2	6	1	4	0
	1430	,,	1012·0	986·4	..	29·9	18.5	9·7	12·0	29	..	2·0	..	8·3	0	0	29	7	10	1	1	1	4	2	3	1	0
	1730	,,	1012·5	986·6	..	26·3	18.2	12·3	14·3	42	..	1·9	..	2·9	0	0	16	0	6	2	0	2	1	2	3	14	0
	2030	,,	1014·6	988·2	..	21·9	16.9	13·2	15·2	57	..	0·8	..	2·4	0	0	11	1	0	1	3	1	1	2	2	19	0
	2330	,,	1014·9	988·3	..	19·1	16.1	13·9	15·9	72	..	0·8	..	1·8	0	0	11	1	6	1	1	0	1	0	1	19	0
Keonjhargarh . .	0830	463	1015·9	963·7	..	22·0	17·0	13·7	15·7	63	..	1·6	..	1·0	0	0	15	7	1	3	0	0	0	3	1	15	0
	1730	,,	1013·0	961·5	..	24.8	18·0	13·7	15·7	50	..	2·0	..	0·8	0	0	12	3	0	0	0	2	0	5	2	18	0
Balasore . . .	0830	20	1016·3	1014·0	+1·0	21·1	19·3	16·9	19·3	68	−3	1·6	−0·6	4·2	0	0	30	20	2	0	0	1	6	0	1	0	0
	1730	,,	1012·8	1010·5	..	25·1	21·0	18·7	21·6	67	..	1·7	..	0·1	0	0	2	0	0	0	1	1	0	0	0	28	0
Sambalpur . .	0830	148	1016·7	999·7	+1·0	23·8	19·6	17·0	19·4	66	−6	1·0	−1·1	0·5	0	0	8	0	2	2	1	2	1	0	0	22	0
	1730	,,	1012·6	995·9	..	25·5	20·4	17·3	19·7	62	..	0·5	..	0·4	0	0	1	0	1	0	0	0	0	0	0	29	0
Angul . . .	0830	139	1016·8	1000·8	+1·5	22·4	19·0	16·0	19·3	71	−1	1·5	−1·2	2·0	0	0	25	4	0	1	0	1	0	13	6	5	0
	1730	,,	1012·7	997·1	..	27·3	21·8	18·7	21·6	59	..	5·0	..	1·1	0	0	15	4	1	8	0	2	0	0	0	15	0
Chandbali . .	0830	6	1016·6	1015·8	+1·5	23·9	20·4	18·3	21·0	71	−6	1·6	−1·1	5·4	0	0	29	8	1	0	0	1	4	1	14	1	0
	1730	,,	1013·3	1012·6	..	26·0	21·2	18·5	21·3	63	..	1·7	..	3·0	0	0	29	3	17	2	5	0	0	2	0	1	0
Bolangir . .	0830	190	1016·7	994·8	..	23·8	18·7	15·3	17·4	59	..	0·9	..	3·0	0	0	30	8	8	0	3	6	5	0	0	0	0
	1730	,,	1012·5	991·0	..	27·4	19·7	14·7	16·7	46	..	1·6	..	2·9	0	0	28	12	11	0	2	2	1	0	0	2	0
Phulbani. . .	0830	464	1015·1	962·3	..	19·2	16·6	15·0	17·0	76	..	0·2	..	0·1	0	0	2	0	0	0	0	0	0	2	0	28	0
	1730	,,	1010·4	959·0	..	25·7	18·8	14·6	16·6	51	..	0·9	..	0	0	0	0	0	0	0	0	0	0	0	0	30	0
Cuttack . . .	0830	27	1016·3	1013·2	+0·8	22·6	19·9	18·3	21·0	77	+3	0·6	−1·9	1·3	0	0	9	1	1	1	1	0	0	2	3	21	0
	1730	,,	1012·9	1009·9	..	28·5	22·2	18·7	21·6	56	..	0·8	..	1·3	0	0	7	0	0	1	3	1	2	0	0	23	0
Titlagarh . .	0830	211	1015·3	991·1	..	22·1	17·5	14·3	16·3	61	..	1·1	..	2·0	0	0	30	0	14	0	9	0	7	0	0	0	0
	1730	,,	1012·1	988·6	..	28·9	19·8	13·7	15·7	38	..	0·5	..	2·0	0	0	30	0	29	0	0	0	1	0	0	0	0
Bhubaneswar . .	0230	46	1013 8	1008·5	..	20·4	18·9	18·0	20·6	86	..	0·3	..	2·8	0	0	18	3	3	3	0	3	4	1	1	12	0
	0530	,,	1014·5	1009·1	..	19·0	17·7	16·9	19·3	88	..	1·1	..	3·8	0	0	25	7	3	1	0	2	2	5	5	5	0
	0830	,,	1016·5	1011·2	+1·4	25·3	20·3	17·3	19·7	62	−6	1·3	−1·0	8·5	0	3	25	4	11	2	0	0	4	2	5	2	0
	1130	,,	1015·1	1009 9	..	29·0	20·7	15·5	17·6	45	..	1 4	..	9·7	0	3	27	3	12	4	0	1	4	1	5	0	0
	1430	,,	1012·5	1007·4	..	29·9	20·6	14·6	16·6	40	..	1·9	..	7·3	0	0	29	4	10	9	0	3	2	1	0	1	0
	1730	,,	1013·1	1007·9	..	26·5	20·5	16·9	19·2	56	..	1·7	..	5·4	0	0	28	4	3	15	1	1	4	0	0	2	0
	2030	,,	1014·9	1009·6	..	23·4	20·2	18·3	21·0	73	..	0·6	..	4·9	0	0	26	2	2	9	3	6	2	2	0	4	0
	2330	,,	1014·7	1009·4	..	21·3	19·6	18·6	21·4	84	..	0·4	..	0·4	0	0	21	2	2	6	0	3	4	3	1	9	0
Puri . . .	0830	6	1016·4	1015·7	+1·5	25·4	21·2	18·8	21·7	67	−5	1·6	−0·8	7·8	0	0	30	17	5	0	1	2	2	0	3	0	0
	1730	,,	1013·0	1012·3	..	27·4	21·8	18·7	21·6	59	..	1·6	..	8·6	0	2	28	3	6	5	6	7	3	0	0	0	0
Gopalpur . .	0530	17	1014·3	1012·3	..	19·7	18·1	17·1	19·5	85	..	3·1	..	10·1	0	0	30	8	1	0	0	0	0	0	21	0	0
	0830	,,	1016·5	1014·5	+1·6	23·1	19·7	17·7	20·2	72	0	2·8	+0·6	13·3	0	0	30	15	1	0	0	0	0	0	14	0	0
	1130	,,	1015·2	1013·3	..	28·6	22 1	18·5	21·3	54	..	2·9	..	10·5	0	1	29	8	5	7	3	1	0	0	6	0	0
	1730	,,	1013·1	1011·1	..	26·9	21·6	18·7	21·6	61	..	2·7	..	10·1	0	0	30	0	4	16	7	2	1	0	0	0	0
	2330	,,	1014·7	1012·7	..	22·2	20·0	18·7	21·6	81	..	2·1	..	5·5	0	0	25	7	0	1	1	0	0	2	14	5	0
Koraput. . .	0830	913	1535·0	914·3	+0·6	18·5	16·4	15·0	17·0	81	+8	3·7	+1·7	11·7	0	0	30	0	1	4	15	8	2	0	0	0	0
	1730	,,	1521·1	911·4	..	25·0	18·1	13·8	15·8	52	..	3·8	..	13·3	0	0	30	0	7	0	3	0	2	6	6	0	0
Bihar Plateau																											
Dumka . . .	0830	149	1016·8	999·5	+0 9	20·9	18·2	16·5	18·8	76	+9	1·5	+0·3	2·9	0	0	18	1	2	0	5	1	3	4	2	12	0
	1730	,,	1013·2	996·3	..	24·6	20·1	17·3	19·7	65	..	0·3	..	0·5	0	0	4	0	2	1	0	0	0	0	1	26	0
Daltonganj . .	0830	221	1016·2	990·8	−0·1	21·1	17·8	15·2	17·3	70	−6	0·4	−0·8	1·9	0	0	20	2	3	0	3	5	4	1	2	10	0
	1730	,,	1012·9	987·8	..	25·6	20·8	18·0	20 6	63	..	1·3	..	1·7	0	0	19	1	2	2	1	3	6	2	2	11	0
Hazaribagh . .	0830	611	1016·4	947·6	+1·2	20·5	15·8	12·5	14·5	60	+3	0·8	−0·7	4·1	0	0	24	3	2	1	1	3	8	2	4	6	0
	1730	,,	1013·5	945·0	..	21·2	15·5	11·4	13·5	54	..	1·3	..	4·1	0	0	25	6	1	2	0	0	1	0	15	5	0
Dhanbad . .	0830	257	1016·2	986·9	..	23·4	18·0	14·7	16·7	57	..	0 7	..	1·4	0	0	12	0	4	0	0	0	2	5	0	18	1
	1730	,,	1012·7	983·4	..	24·9	17·8	13·3	15·3	47	..	0·4	..	0	0	0	0	0	0	0	0	0	0	0	0	30	0
Ranchi . . .	0830	655	1016·2	943·3	−1·6	23·3	16·4	11·5	13·6	48	−10	0·4	−1·4	1·2	0	0	18	8	0	1	0	1	2	2	4	12	0
	1830	,,	1012·1	939 4	..	22·9	16·6	12·3	14·3	52	..	1·0	..	0·5	0	0	7	5	0	0	0	0	0	2	0	23	0
Ranchi Aerodrome .	0530	652	1015·5	951·3	..	15·7	13·3	11·5	13·6	76	..	1·6	..	0·9	0	0	5	0	0	0	0	0	1	3	1	25	0
	0830	,,	1016·1	943·1	..	20·9	15·9	12·5	14·5	58	..	1·0	..	4·1	0	0	13	1	2	2	0	0	4	2	2	17	0

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station-level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bihar Plateau—(*Contd.*)																											
Ranchi Aerodrome	1130	652	1014·3	942·3	..	24·5	16·4	10·6	12·8	42	..	1·2	..	11·0	0	7	17	9	6	1	0	0	4	2	2	6	0
	1430	,,	1011·4	939·8	..	25·7	16·4	9·5	11·9	37	..	1·7	..	12·3	0	7	17	8	1	1	0	1	1	1	11	6	0
	1730	,,	1012·4	940·1	..	23·1	16·0	10·9	13·0	46	..	1·5	..	5·2	0	1	15	3	1	0	2	1	0	0	9	14	0
	2030	,,	1015·0	941·7	..	19·5	15·0	11·8	13·8	61	..	0·7	..	1·4	0	0	9	0	1	0	0	0	1	1	6	21	0
Jamshedpur	0830	129	1016·3	1001·3	+0·7	20·3	17·4	15·4	17·5	74	+3	0·6	−1.6	2·0	0	0	21	1	0	0	0	0	0	11	9	9	0
	1730	,,	1012·3	997·6	..	25·5	19·9	16·5	18·8	58	..	0·8	..	0·6	0	0	9	0	1	1	0	0	0	4	3	21	0
Jamshedpur (P.B.O.)	0530	142	1015·2	998·6	..	16·5	15·4	14·6	16·6	89	..	1·2	..	1·1	0	0	8	1	0	0	0	1	1	2	3	22	0
	0830	,,	1017·1	1000·7	..	21·5	17·7	15·1	17·1	67	..	0·8	..	2·2	0	0	14	0	0	0	0	1	2	9	2	16	0
	1130	,,	1015·1	999·1	..	26·5	19·2	14·1	16·1	46	..	0·8	..	4·7	0	0	24	1	0	3	0	1	7	5	7	6	0
	1430	,,	1012·3	996·4	..	28·7	18·9	11·9	13·9	35	..	1·2	..	5·8	0	0	27	3	1	1	0	0	3	5	14	3	0
	1730	,,	1012·8	995·7	.	25·7	19·3	15·1	17·1	52	..	0·9	..	0·1	0	0	1	1	0	0	0	0	0	0	0	29	0
	2030	.	1014·9	998·5	..	20·1	18·0	16·6	18·9	81	..	0·5	..	0·7	0	0	4	0	0	0	0	0	0	0	4	26	0
	2330	,,	1015·1	998·5	..	18·7	16·8	15·5	17·6	82	..	0·6	..	1·1	0	0	7	0	0	0	0	0	0	0	7	23	0
Chaibasa	0830	226	1016·8	990·7	+1·1	21·1	17·5	15·1	17·1	69	−5	0·9	−1·1	1·9	0	0	16	0	0	0	0	0	16	0	0	14	0
	1730	,,	1012·6	986·9	..	21·7	20·1	17·3	19·7	65	..	0·9	..	0·2	0	0	2	0	0	0	0	0	2	0	0	28	0
Bihar Plain Motihari	0830	63	1017·1	1009·4	+1·4	20·4	18·9	17·9	20·5	86	+11	2·2	+1·5	2·6	0	0	22	0	4	7	6	0	3	0	2	8	0
	1730	,,	101[illegible]·1	1006·5	..	22·1	20·2	19·1	22·1	83	..	0·8	..	0·3	0	0	2	0	1	1	0	0	0	0	0	28	0
Forbesganj	0830	61	1016·9	1009·9	..	19·9	17·8	16·5	18·8	81	..	2·1	..	1·0	0	0	15	0	0	15	0	0	0	0	0	15	0
	1730	,,	1013·0	1005·1	..	23·7	20·3	18·3	21·0	72	..	1·4	..	0·1	0	0	1	0	0	1	0	0	0	0	0	29	0
Darbhanga	0830	49	1017·2	1011·7	+1·6	23·7	19·7	17·3	19·7	68	−7	1·7	+0·7	2·1	0	0	25	3	8	3	0	3	3	2	3	5	0
	1730	,,	101[illegible]·1	1008·5	..	25·4	21·0	18·5	21·3	65	..	0·6	..	0·1	0	0	2	0	1	1	0	0	0	0	0	28	0
Chapra	0830	53	1016·3	1009·7	..	21·0	18·4	16·7	19·0	77	..	1·3	..	1·0	0	0	14	0	3	0	4	0	6	0	1	16	0
	1730	.	1013·8	1007·2	..	25·1	20·4	17·6	20·1	61	..	0·3	..	0·7	0	0	11	1	1	0	0	0	3	2	4	19	0
Purnea	0830	38	1017·1	1012·7	+1·1	21·2	18·7	17·1	19·5	78	−3	1·6	+0·6	0·2	0	0	3	0	0	3	0	0	0	0	0	27	0
	1730	,,	1013·2	1008·8	..	23·2	20·8	19·5	22·7	79	..	1·1	..	0	0	0	0	0	0	0	0	0	0	0	0	30	0
Patna	0830	53	1016·4	1010·5	+0·5	20·9	18·6	17·1	19·5	80	+15	2·1	+1·0	4·2	0	0	25	0	5	3	2	6	4	4	1	5	
	1730	,,	1013.2	1007·1	..	24·9	19·9	16·9	19·3	61	..	1·0	..	1·6	0	0	14	0	6	2	0	0	2	2	2	16	0
Patna Aerodrome	0530	50	1014·2	1007·1	..	16·1	15·3	14·9	16·9	92	..	1·3	..	1·2	0	0	4	0	0	3	1	0	0	0	0	26	0
	0830	,,	1015·5	1009·5	..	21·3	18·5	16·7	19·0	76	..	1·9	..	4·9	0	0	24	3	1	5	3	4	4	3	1	6	0
	1130	,,	1015·4	1008·6	..	26·7	19·9	15.6	17·7	52	..	2·1	..	6·3	0	0	28	2	2	1	6	2	5	6	4	2	0
	1430	,,	1012·8	1006·0	..	28·0	19·7	14·2	16·2	44	..	2·0	..	5·5	0	1	25	4	3	5	1	1	3	5	4	4	0
	1730	,,	1012·9	1006·0	..	23·6	19·7	17·3	19·7	68	..	1·3	..	0·2	0	0	2	0	2	0	0	0	0	0	0	28	0
	2030	,,	101[illegible]·5	1007·5	..	19·5	17·9	16·9	19·3	84	..	0·5	..	0·4	0	0	2	0	1	0	0	1	0	0	0	28	0
	2330	,,	1014·7	1007·7	..	17·7	16·8	16·2	16·4	91	..	0·3	..	0·4	0	0	3	0	0	2	0	0	1	0	0	27	0
Bhagalpur	0530	49	1015·1	1009·4	..	17·9	16·9	16·2	18·4	90	..	2·6	..	2·3	0	0	16	0	1	6	1	4	4	0	0	14	0
	0830	,,	1017·1	1011·5	+1·2	21·5	18·9	17·3	19·7	77	+9	2·4	+1·5	3·1	0	0	23	1	2	4	3	4	5	4	0	7	0
	1130	,,	1015·9	1010·3	..	25·2	20·0	16·8	19·1	60	..	2·2	..	4·9	0	0	30	8	3	3	3	5	0	3	5	0	0
	1730	.	1013·5	1007·9	..	23·9	19·8	17·3	19·7	67	..	1·3	..	3·3	0	0	24	3	4	7	1	0	3	1	5	6	0
	2330	,,	1015·3	1009·6	..	19·7	18·0	16·9	19·3	84	..	1·2	..	2·3	0	0	16	0	1	4	2	3	5	1	0	14	0
Sabour	0830	37	1016.9	1012·5	+1·5	19·8	18·5	17·7	20·2	87	+11	2·3	+0·9	2·7	0	0	24	1	1	5	2	2	5	6	2	6	0
	1730	,,	1013.1	1008·8	..	25·1	21·2	19·0	22·0	69	..	1·4	..	0·6	0	0	8	3	0	2	0	0	0	0	3	22	0
Jamui	0830	82	1016.2	1006·7	..	21·1	18·8	17·2	19·6	79	..	0·8	..	1·2	0	0	16	1	0	6	2	0	1	4	2	14	0
	1730	.	1011·9	1002·6	..	24·3	20·0	17·4	19·9	66	..	0	..	0·8	0	0	12	2	1	0	0	0	0	5	4	18	0
Dehri	0830	107	1016·6	1004·1	..	21·4	18·3	16·3	18·5	74	..	1·1	..	2·9	0	0	28	1	0	0	2	13	11	0	1	2	0
	1730	,,	1012.7	1000·5	..	26·2	19·5	15·2	17·3	53	..	0·7	..	2·0	0	0	26	8	4	2	0	0	0	11	1	4	0
Gaya	0230	116	1014.6	1000·9	..	16·5	15·3	14·4	16·4	88	..	0·2	..	3·0	0	0	22	0	0	4	13	5	0	0	0	8	0
	0530	,,	1015·0	1001·3	..	15·1	14·3	13·7	15·7	91	..	0·7	..	3·5	0	0	24	0	0	2	16	6	0	0	0	6	0
	0830	,,	1016.9	1003·4	+0·9	20·6	17·5	15·4	17·5	73	+9	0·7	−0·5	3·9	0	0	28	0	0	1	5	12	9	1	0	2	0
	1130	,,	1015.9	1002·7	..	27·3	19·5	14·3	16·3	45	..	1·0	..	6·3	0	0	29	6	2	4	3	1	4	6	3	1	0
	1430	,,	1013.2	1000·1	..	28·3	18·9	12·2	14·2	37	.	1·8	..	9·4	0	2	28	7	3	1	0	0	0	12	7	0	0
	1730	,,	1013.3	1000·1	..	25·0	18·6	14·2	16·2	52	..	1·3	..	2·9	0	0	28	14	6	0	0	0	0	3	5	2	0
	2030	,,	1015.1	1001·6	..	20·3	17·2	15·1	17·1	71	..	0·4	..	2·9	0	0	23	4	5	3	3	4	4	0	0	7	0
	2330	,,	1015.4	1001·8	..	17·7	15·9	14·6	16·6	83	..	0·4	..	3·5	0	0	28	0	1	4	12	8	3	0	0	2	0
Uttar Pradesh East Kheri (R)	0830	147																									
(R)	1730	,,																									
Bahraich	0830	124	1016·8	1002·4	+1·3	19·7	17·0	15·1	17·1	75	+2	1·1	+0·5	2·3	0	0	8	0	0	5	1	0	2	0	0	22	0
	1730	,,	1013·2	999·0	..	24·2	18·6	14·8	16·8	57	..	1·1	..	0	0	0	0	0	0	0	0	0	0	0	0	30	0

(b) Mean of 29 days. (c) Mean of 28 days. (R) Registers not received

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C.: Dry bulb	Mean temperature in °C.: Wet bulb	Mean temperature in °C.: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
Uttar Pradesh East —(Contd.)																											
Nautanwa . .	0830	99	1015.7	1004·1	..	20·1	17·8	16·6	18·6	83	..	1·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
	1730	,,	1012·2	1000·8	..	23·8	19·5	16·6	18·6	64	..	0·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Hardoi . . .	0830	142	1016·9	1000·0	+1·0	19·7	16·4	13·8	15·9	70	−5	0·4	0	0·9	0	0	13	1	0	3	1	1	0	6	1	17	
	1730	,,	1013·7	997·5	..	24·4	19·1	15·6	17·8	58	..	0·4	..	0·7	0	0	10	0	0	0	1	0	1	7	1	20	
Gonda . . .	0830	110	1017·2	1004·4	..	21·2	17·5	15·1	17·1	70	−5	1·0	+0·1	1·0	0	0	12	2	0	5	0	0	0	3	2	18	
	1730	,,	1013·1	1000·6	..	23·7	18·6	15·1	17·1	59	..	0·3	..	0·1	0	0	1	0	0	0	0	0	0	0	1	29	
Lucknow. . .	0830	111	1015·7	1002·8	−0·1	18·3	16·5	15·2	17·3	83	+13	1·3	+0·5	0·2	0	0	2	0	0	1	0	0	0	1	0	28	
	1730	,,	1013·0	1001·1	..	25·8	20·3	16.9	19·3	59	..	0·7	..	0	0	0	0	0	0	0	0	0	0	0	0	30	
Lucknow (Amausi) .	0230	128	1014·1	999·0	..	14·5	13·7	12·9	14·9	90	..	0·3	..	1·3	0	0	11	0	2	3	2	0	0	1	3	19	
	0530	,,	1014·5	999·3	..	13·6	12·9	12·4	14·4	93	..	0·6	..	1·5	0	0	14	2	1	2	2	2	1	3	1	16	
	0830	,,	1016·5	1001·6	+0·5	18·8	16·1	14·1	16·1	75	+17	1·7	+0·9	2·5	0	0	17	2	3	2	2	1	0	5	2	13	
	1130	,,	1015·9	1001·2	..	26·7	18·1	11·4	13·5	39	..	0·7	..	2·5	0	0	28	4	2	5	1	1	3	4	8	2	
	1430	,,	1013·1	998·7	..	28·2	18·0	9·9	12·2	33	..	1·0	..	7·0	0	1	25	5	1	2	2	0	0	5	11	4	
	1730	,,	1013·2	998·6	..	23·2	18·2	14·7	16·7	60	..	1·1	..	0·9	0	0	10	5	0	0	1	0	0	0	4	20	
	2030	,,	1014·9	999·9	..	17·6	15·5	13·9	15·9	79	..	0·6	..	0·3	0	0	4	1	0	1	0	0	0	1	1	26	
	2330	,,	1015·2	1000·1	..	15·5	14·3	13·3	15·3	87	..	0·5	..	0·9	0	0	10	1	1	2	0	1	0	2	3	20	
Faizabad. . .	0830	102	1016·5	1004·7	..	19·2	17·0	15·5	17·6	80	..	1·8	..	1·1	0	0	11	0	3	0	4	0	0	3	1	19	
	1730	,,	1013·3	1001·6	..	22·8	18·8	16·1	18·3	66	..	1·1	..	0	0	0	0	0	0	0	0	0	0	0	0	30	
Gorakhpur . .	0830	77	1016·6	1007·9	+1·2	21·3	18·3	16·4	18·5	75	+2	1·5	+0·9	0·8	0	0	9	0	0	7	1	0	0	1	0	21	
	1730	,,	1013·0	1004·3	..	25·7	20·1	16·8	18·9	58	..	0·5	..	0·1	0	0	2	0	0	1	0	0	1	0	0	28	
Gorakhpur P.B.O. .	0230	78	1014·2	1005·0	..	18·6	17·4	16·7	19·0	89	..	0·2	..	1·3	0	0	10	2	1	1	3	0	2	1	0	20	
	0530	,,	1014·5	1005·4	..	17·7	16·7	16·1	18·3	91	..	0·6	..	2·0	0	0	12	2	2	2	3	1	0	1	1	18	
	1130	,,	1016·2	1007·2	..	24·1	19·4	16·9	19·3	65	..	2·0	..	5·6	0	0	29	1	1	4	4	10	3	2	4	1	
	1430	,,	1013·4	1004·5	..	25·6	19·5	16·4	18·6	55	..	1·8	..	5·5	0	0	28	3	0	0	3	5	8	2	7	2	
	2030	,,	1014·8	1005·8	..	20·7	18·8	17·7	20·2	83	..	0·2	..	1·7	0	0	14	4	1	3	2	1	1	0	2	16	
	2330	,,	1015·1	1005·9	..	19·5	18·1	17·2	19·6	87	..	0·2	..	2·0	0	0	15	3	3	3	0	1	2	1	2	15	
Kanpur . .	0830	126	1016·0	1001·2	−0·1	17·4	14·8	12·9	14·9	75	+8	0·5	0	2·3	0	0	17	1	2	3	0	3	1	7	0	13	
	1730	,,	1012·8	998·4	..	27·4	18·2	11·1	13·2	37	..	0·6	..	3·7	0	0	25	10	1	2	0	0	0	10	2	5	
Kanpur (Aerodrome)	0530	126	1014·7	1000·0	..	15·1	13·3	11·7	13·7	81	..	0·5	..	1·4	0	0	14	4	1	2	1	0	0	4	2	16	
	0830	,,	1016·7	1002·1	..	19·9	15·8	12·5	14·5	63	..	0·9	..	3·0	0	0	21	2	1	1	1	2	3	10	0	9	
	1130	,,	1015·9	1001·7	..	27·6	18·4	11·4	13·5	37	..	0·8	..	5·0	0	0	30	4	4	5	2	0	2	11	1	0	
	1730	,,	1013·4	999·1	..	25·6	18·1	12·5	14·5	45	..	0·9	..	2·8	0	0	25	6	8	3	1	0	0	4	3	5	
	2330	,,	1015·2	1000·5	.	17·7	14·9	12·9	14·9	73	..	0·3	..	1·0	0	0	9	0	2	1	0	0	0	3	3	21	
Sultanpur . .	0830	97	1016·8	1005·2	..	20·1	17·0	14·7	16·9	71	..	1·3	..	1·2	0	0	15	0	1	5	0	0	3	3	3	15	
	1730	,,	1012·8	1001·8	..	26·6	20·4	16·1	18·4	53	..	0·8	..	0·1	0	0	2	0	0	0	0	0	0	1	1	28	
Azamgarh . .	0830	78	1016·9	1007·8	..	19·7	18·1	17·0	19·4	84	..	1·1	..	3·3	0	0	19	3	1	7	0	0	0	8	0	11	
	1730	,,	1013·1	1004·2	..	25·0	21·6	19·5	22·7	72	..	0·1	..	0	0	0	4	2	2	0	0	0	0	0	0	26	
Fatehpur . .	0830	114	1016·9	1003·5	..	19·6	15·6	12·3	14·3	62	+2	0·7	−0·3	1·8	0	0	17	0	1	2	0	0	7	6	1	13	
	1730	,,	1013·3	1000·2	..	25·7	18·3	13·0	15·0	45	..	0·6	..	0·7	0	0	10	2	3	2	0	0	0	1	2	20	
Ballia . . .	0830	64	1017·2	1009·8	..	19·9	17·8	16·4	18·6	84	..	2·1	..	1·1	0	0	13	0	0	1	8	1	0	2	0	17	
	1730	,,	1013·4	1006·3	..	24·7	20·7	18·3	21·0	69	..	2·0	..	2·5	0	0	0	0	0	0	0	0	0	0	0	30	
Banda . . .	0830	121	1017·2	1003·1	..	21·4	16·3	12·3	14·3	56	..	0·8	..	0·1	0	0	1	0	0	0	0	0	1	0	0	29	
	1730	,,	1013·5	999·7	..	27·6	19·5	14·3	16·3	45	..	0·4	..	0	0	0	0	0	0	0	0	0	0	0	0	30	
Allahabad (Bamhrauli)	0230	98	1014·2	1002·7	..	16·6	14·5	12·8	14·8	78	..	0·3	..	0·1	0	0	2	0	0	0	0	0	1	1	0	28	
	0530	,,	1014·8	1003·3	..	15·4	13·9	12·6	14·6	83	..	0·3	..	0·3	0	0	4	1	1	0	0	0	1	1	0	26	
	0830	,,	1016·7	1005·3	+0·6	20·3	16·2	13·0	15·0	64	−3	0·1	+0·1	1·2	0	0	12	2	0	1	0	1	6	2	0	18	
	1130	,,	1015·9	1004·8	..	28·1	18·8	12.0	14·0	38	..	1·0	..	3·2	0	0	26	2	3	1	3	0	4	6	7	4	
	1430	,,	1013·3	1002·3	..	30·0	18·7	10·1	12·3	30	..	1·3	..	4·7	0	0	28	3	3	0	0	1	1	9	11	2	
	1730	,,	1013·2	1002·1	..	26·6	19·1	13·9	15·9	46	..	0·7	..	0·8	0	0	4	0	0	0	0	0	0	2	2	26	
	2030	,,	1014·9	1003·3	..	20·7	16·5	13·3	15·3	63	..	0·3	..	0·2	0	0	3	0	0	0	0	1	0	0	2	27	
	2330	,,	1015·2	1003·8	..	18·2	15·2	12·9	14·9	71	..	0·2	..	0·1	0	0	1	0	0	0	0	0	0	1	0	29	
Varanasi (Babatpur)	0530	85	1015·7	1005·5	..	15·6	14·4	13·5	15·5	88	..	0·7	..	1·1	0	0	5	0	0	0	0	1	3	1	0	25	
	0830	,,	1017·9	1007·9	+1·1	20·6	17·1	14·5	16·5	69	+6	1·3	+0·6	4·3	0	0	18	0	1	0	2	3	6	6	0	12	
	1130	,,	1016·5	1006·9	..	27·3	19·5	14·1	16·1	45	..	1·0	..	6·9	0	0	25	1	2	3	2	3	1	11	1	5	
	1730	,,	1014·2	1004·4	..	24·9	19·4	15·6	7·7	56	..	·9	..	1·6	0	0	9	1	2	1	1	0	0	1	3	21	

Sub-Division ond station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of hearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observation, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Uttar Pradesh East —(*Contd.*)																											
Varanasi (Babatpur)—(contd).	2330	85	1016·0	1005·9	..	19·0	16·1	13·9	15·9	73	..	0·3	..	0·9	0	0	5	0	1	1	1	0	0	0	1	25	1
Varanasi . .	0830	76	1016·4	1007·7	+0·5	20·4	17·6	15·2	17·3	73	+5	0·9	−0·1	2·0	0	0	28	0	1	1	3	0	7	7	9	2	0
	1730	"	1011·9	1003·2	..	26·2	20·1	16·1	18·3	54	..	0·8	..	0·8	0	0	11	0	1	0	1	0	1	3	5	19	0
Uttar Pradesh, West Mukhim . .	0830	..	..	..	..	12·0	7·9	3·8	8·0	57	..	0·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	12·6	8·4	4·3	8·3	57	..	1·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tehri . . .	0830	..	..	..	..	12·6	10·9	9·6	11·9	82	..	0·4	..	0·2	0	0	3	0	1	2	0	0	0	0	0	27	0
	1130	..	..	..	..	20·8	14·1	8·7	11·2	46	..	1·4	..	1·0	0	0	14	0	4	3	2	1	3	0	1	16	0
	1730	..	..	..	..	22·1	14·7	8·8	11·3	42	..	1·1	..	2·3	0	0	21	1	0	6	6	4	4	0	0	9	0
Dehra Dun . .	0530	682	1016·3	937·9	..	13·2	11·1	9·2	11·4	77	..	0·4	..	0·5	0	0	5	3	1	0	0	1	0	0	0	25	0
	0830	"	1016·9	939·3	+1·0	16·5	13·2	10·6	12·8	68	−4	0·8	−0·3	0·2	0	0	4	1	0	0	0	1	0	2	0	26	0
	1130	"	1015·5	939·4	..	22·8	15·7	10·5	12·6	47	..	1·4	..	2·1	0	0	22	0	1	0	6	9	4	2	0	8	0
	1730	"	1013·8	937·5	..	21·7	16·5	13·0	15·0	59	..	1·7	..	0·3	0	0	4	0	0	0	0	1	0	3	0	26	0
	2330	"	1015·7	938·3	..	16·0	12·7	10·0	12·3	68	..	0·6	..	2·2	0	0	21	9	12	0	0	0	0	0	0	9	0
Mansiari. . .	0830	..	..	..	..	9·6	7·7	5·9	9·3	78	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	9·9	8·3	6·9	9·9	81	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Roorkee . . .	0830	274	1017·2	985·2	+1·0	16·8	13·6	10·9	13·0	69	−7	1·2	+0·5	0·4	0	0	6	0	0	0	5	0	1	0	0	24	0
	1730	"	1013·2	982·0	..	23·3	16·5	11·2	13·3	46	..	1·3	..	0·1	0	0	1	0	0	0	0	0	0	0	1	29	0
Najibabad . .	0830	270	1017·6	985·8	..	16·4	14·3	12·3	14·3	77	..	0·8	..	3·7	0	0	26	4	5	10	5	0	0	0	2	4	0
	1730	"	1013·8	983·1	..	23·6	17·5	12·9	14·9	51	..	1·0	..	1·1	0	0	10	1	0	2	0	0	0	5	2	20	0
Meerut . . .	0830	222	1016·4	990·9	+0·8	18·3	14·9	12·0	14·1	67	−2	0·2	−0·4	1·7	0	0	12	0	1	5	2	0	0	3	1	18	0
Bareilly . . .	0830	173	1016·5	996·3	+0·6	19·1	16·1	13·8	15·8	72	−2	0·7	0	3·1	0	0	26	2	3	4	7	0	1	6	3	4	0
	1730	"	1012·7	993·0	..	25·1	18·3	13·4	15·4	49	..	0·9	..	0·5	0	0	6	1	0	3	0	0	0	2	0	24	0
Bareilly (P.B.O) .	0230	172	1014·1	994·0	..	18·8	16·1	14·2	16·2	75	..	0	..	1·1	0	0	12	0	0	5	3	0	0	3	1	18	0
	0530	"	1014·5	994·3	..	17·6	15·5	14·1	16·1	80	..	0	..	2·8	0	0	19	1	2	9	0	0	0	6	1	11	0
	1130	"	1016·0	996·2	..	24·3	18·4	15·6	17·1	59	..	0·7	..	3·6	0	0	28	1	2	7	3	0	0	5	8	2	0
	1430	"	1013·3	993·7	..	16·7	19·1	14·7	16·7	48	..	0·9	..	4·4	0	0	29	2	1	3	3	0	1	10	9	1	0
	2030	"	1014·7	994·7	..	21·4	17·5	15·2	17·3	68	..	0	..	1·1	0	0	13	0	0	6	0	0	0	6	1	17	0
	2330	"	1015·0	995·0	..	20·0	16·5	14·3	16·3	71	..	0	.	1·1	0	0	13	0	0	7	0	0	0	5	1	17	0
Aligarh . . .	0830	187	1016·7	994·4	..	18·3	14·1	10·6	12·8	61	−11	0·5	−0·1	2·7	0	0	24	5	0	3	2	0	0	7	7	6	0
	1730	"	1013·0	991·3	..	26·6	18·8	13·3	15·3	45	..	1·3	..	1·8	0	0	20	6	0	1	1	0		6	6	10	0
Mainpuri . .	0830	157	1016·8	998·5	+0·8	19·0	15·4	12·6	14·6	67	+6	0·8	0	1·3	0	0	11	0	0	0	0	0	1	8	2	19	0
	1730	"	1013·2	995·3	..	24·9	18·7	14·1	16·1	52	..	1·3	..	0·5	0	0	7	1	1	0	0	0	2	2	1	23	0
Agra . . .	0830	169	1017·6	997·9	+1·3	20·1	15·4	11·6	13·6	54	0	0	−0·8	0	0	0	0	0	0	0	0	0	0	0	0	30	0
	1730	"	1013·7	994·2	..	26·4	19.1	14·3	16·3	48	..	0	..	1·8	0	0	0	0	0	0	0	0	0	0	0	30	0
Agra (Aerodrome) .	0530	169	1015·3	995·2	..	12·8	11·7	10·7	12·9	87	..	0·3	..	1·9	0	0	9	0	0	2	2	0	0	3	1	21	1
	0830	"	1017·1	997·3	..	17·8	15·1	13·0	15·0	73	..	0·7	..	2·5	0	0	16	2	1	1	1	0	1	6	4	14	0
	1130	"	1016·4	997·3	..	28·1	19·3	13·1	15·1	40	..	0·5	..	9·5	0	3	23	3	1	1	3	0	3	6	8	4	1
	1730	"	1013·4	994·2	..	25·3	18·6	13·9	15·9	49	..	1·1	..	3·3	0	0	15	3	2	1	0	0	0	0	9	15	0
	2330	"	1015·6	995·8	..	16·0	13·8	11·9	13·9	77	..	0·1	..	1·5	0	0	7	2	1	2	1	0	0	1	0	23	0
Orai . . .	0830	141	1017·8	1001·5	..	23·4	16·8	11·7	13·7	48	..	0·4	..	2·9	0	0	29	3	11	1	1	0	1	2	10	1	0
	1730	"	1013·8	997·8	..	27·3	18·4	12·7	14·0	39	..	0	..	2·1	0	0	30	1	15	0	1	0	0	0	13	0	0
Jhansi . . .	0830	251	1017·3	988·2	+0·5	19·1	14·4	10·3	12·6	57	−6	0·7	−0·1	0·7	0	0	10	2	1	0	0	0	0	5	2	20	0
	1730	"	1013·1	985·3	..	28·2	17·4	8·5	11·0	29	..	0·4	..	1·2	0	0	17	5	0	5	0	1	0	6	0	13	0
Punjab (Including Delhi)																											
Pathankot . .	0530	312	1015·8	979·1	..	13·4	11·0	8·8	11·3	74	..	1·4	..	0·2	0	0	7	3	1	2	0	1	0	0	0	23	0
	0830	"	1017·0	980·7	+1·0	16·8	12·9	9·3	11·7	33	+3	2·4	+0·5	3·9	0	0	19	7	3	3	1	2	1	2	0	11	0
	1130	"	1016·4	981·1	..	24·9	15·9	8·2	10·9	35	..	2·5	..	7·1	0	0	27	1	4	3	3	11	4	1	0	3	0
	1730	"	1013·7	978·3	..	23·9	15·6	8·6	11·2	39	..	2·8	..	4·7	0	0	21	3	1	0	0	1	2	12	2	9	0
	2330	"	1016·6	980·2	..	15·0	12·2	9·5	11·9	71	..	1·4	..	2·6	0	1	6	0	5	0	0	0	1	0	1	23	0
Dharmtas . . .	0830	1096	1545·1	897·8	..	7·6	6·5	5·4	9·0	85	..	2·0	..	1·9	0	0	16	11	0	0	3	0	0	0	2	14	0
	1130	"	1543·7	896·3	..	15·8	10·3	4·8	8·6	49	..	2·2	..	5·3	0	0	29	1	5	2	7	12	0	0	1	1	1
	1730	"	1515·7	893·1	..	16·9	11·1	5·5	9·0	48	..	2·5	..	10·5	0	4	22	3	2	2	8	5	1	1	2	4	2
Amritsar (Rajasansi)	0530	234	1015·7	987·9	..	12·0	10·8	9·6	11·9	86	..	1·2	..	4·3	0	0	16	3	0	6	0	1	1	2	3	14	0
	0830	"	1017·2	989·5	+0·6	14·7	12·8	11·2	13·3	80	+2	2·2	+0·9	2·9	0	0	12	3	0	5	2	0	0	0	2	18	0
	1130	"	1016·8	990·0	..	24·0	16·7	10·8	12·9	44	..	2·5	..	4·7	0	0	20	1	1	4	4	2	0	1	7	10	0
	1430	"	1014·3	987·8	..	26·9	16·9	8·5	11·1	32	..	2·3	..	6·5	0	1	24	1	1	1	4	2	6	3	7	5	0
	1730	"	1014·1	987·2	..	23·2	16·6	11·5	13·6	48	..	2·4	..	3·7	0	2	12	0	0	1	0	0	1	3	9	16	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 10	No. of observation, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Punjab (Including Delhi)—(Contd.)																										
Amritsar (Rajsansi) .	2030	234	1015·7	988·2	..	16·8	13·8	11·2	13·3	70	..	1·7	..	3·6	0	0	17	5	1	2	0	0	1	3	5	13
Adampur Aerodrome	0830	249	1017·1	987·7	..	14·2	12·5	11.0	13·1	78	..	2·0	..	0·2	0	0	5	1	0	3	1	0	0	0	0	25
	1730	,,	1014·1	985·6	..	22·8	10·7	12·1	14·1	52	..	2·3	..	1·9	0	0	21	1	1	0	1	0	1	9	8	9
Ludhiana . .	0830	247	1017·1	988 4	+1·1	16·3	13·5	11·2	13·3	72	+8	1·4	+0·4	1·4	0	0	17	1	2	3	4	1	0	0	6	13
	1730	,,	1013·5	985·3	..	24·2	17·5	12·5	14·5	49	..	1·3	..	0·6	0	0	8	1	2	0	0	0	0	0	5	22
Ferozpur . .	0830	200	1017·3	993·8	..	17·5	14·3	11·8	13·8	70	..	1·1	..	0·5	0	0	7	3	1	0	1	1	0	0	1	23
	1730	,,	1013·5	990·7	..	26·4	18·6	13·1	15·1	45	..	0·8	..	1·3	0	0	17	5	2	0	0	0	1	0	9	13
Halwara Aerodrome	0830	242	1017·0	988·6	..	15·5	13·4	11·5	13·6	77	..	1·5	..	2·9	0	0	11	3	0	2	3	0	0	1	2	19
	1730	,,	1013·7	986·2	..	23·5	15·9	9·5	11·5	42	..	2·1	..	3 9	0	0	20	2	2	0	2	0	0	4	10	10
Chandigarh . .	0830	347	1015·6	975 0	—0·6	18·1	13·1	8·2	10·9	53	—5	0·4	0	2 7	0	0	20	0	1	0	5	0	0	0	14	10
	1730	,,	1012·8	973·5	..	25·2	16·4	8·9	11·4	36	..	0·7	..	1·1	0	0	9	0	1	0	7	0	0	0	1	21
Ambala . . .	0830	272	1016·8	985·1	+0·9	17·5	13·4	9·7	12·0	60	—3	0·6	—0·4	0 5	0	0	5	0	2	0	1	0	0	1	1	25
	1730	,,	1013·7	982·3	..	26·1	19·9	16·3	18·5	54	..	0·1	..	2 8	0	0	25	0	1	0	15	0	7	0	2	5
Ambala (P. B. O.) .	0230	278	1014·7	982·3	..	16·6	14·2	12·5	14·5	77	..	0·8	..	3·4	0	1	12	1	2	0	2	0	0	0	8	17
	0530	,,	1015·0	982·3	..	14·7	12·9	11·5	13·6	82	..	0·5	..	3·3	0	1	13	1	1	2	2	0	0	0	8	16
	1130	,,	1016·0	984·4	..	24·3	18·6	15·1	17·1	58	..	1·7	..	3 7	0	0	16	0	0	1	11	0	0	0	4	14
	1430	,,	1013·4	982·5	..	26·5	18·8	14·3	16·3	48	..	2·3	..	5·5	0	0	21	0	0	3	2	0	3	3	10	9
	2030	,,	1014·7	982·6	..	20·7	16·7	14·2	16·2	67	..	0·7	..	3·2	0	0	15	2	0	3	1	0	0	1	8	15
	2330	,,	1015·3	983·1	..	18 5	15·0	12·7	14·7	69	..	0·7	..	3·9	0	0	15	1	0	3	1	0	0	1	9	15
Ambala (Aerodrome)	0530	274	1015·3	982·6	..	11·0	10·5	10·0	12·3	94	..	0·4	..	2·1	0	1	3	1	0	2	0	0	0	1	0	26
	0830	,,	1016·6	984·5	..	15·8	13·6	11·7	13·7	78	..	1·1	..	4·2	0	1	10	0	1	3	4	0	0	1	2	19
	1130	,,	1015·7	984·7	..	25·4	17·5	11·9	13·9	44	..	1·4	..	8 6	0	2	25	1	0	4	8	2	0	2	5	3
	1730	,,	1013·1	981·9	..	23·7	17·2	12·4	14·4	50	..	1·8	..	4·3	0	0	16	0	0	0	0	0	0	9	5	14
	2330	,,	1015·8	983·5	..	13·9	12·2	10·4	12·6	82	..	0·2	..	1·2	0	0	3	0	1	0	0	0	0	1	1	27
Patiala . . .	0830	251	1017·0	987·8	..	17·4	13·8	10·9	13·0	67	..	·2	..	3·4	0	0	11	0	0	0	6	0	0	0	5	19
	1730	,,	1014·1	985·5	.	23·2	17·0	12·4	14·4	51		3 1	..	2·8	0	0	10	1	0	0	0	0	0	0	9	20
Bhatinda . . .	0830	211	1016·6	992·2	..	21·2	16·0	11·6	13·6	55	..	0·6	..	1·5	0	0	15	0	2	0	8	0	1	0	4	15
	1730	,,	1013·5	989·2	..	25·2	17·1	12·6	14·6	45	..	1 3	..	0·7	0	0	8	0	0	0	1	0	0	0	7	22
Karnal (R) . .	0830	249																								
(R) . .	1730	,,																								
Hissar . . .	0530	221	1015·0	989·1	..	14·2	12·1	10·4	12·6	79	..	0·4	..	3 8	0	0	24	2	3	4	3	1	8	2	1	6
	0830	,,	1017·3	991·4	+0·8	16·3	13·3	10·7	12·9	70	+16	0 8	+0 2	2·9	0	0	21	0	2	0	4	3	8	2	2	9
	1130	,,	1016·2	990·0	..	26·7	19·1	13·7	15·7	46	..	1·2	..	6 3	0	0	27	1	2	4	5	2	3	5	5	3
	1730	,,	1013·3	988·4	..	27·2	19·6	14·4	16·4	46	..	1·1	..	2·7	0	0	21	3	2	2	1	0	4	6	3	9
	2330	,,	1015·5	989·7	..	17·6	14·2	11·3	13·4	68	..	0·5	..	4·0	0	0	24	4	1	4	1	3	2	3	6	6
New Delhi (Safdarjung) .	0230	216	1014·9	989·5	..	16·1	13·3	10·9	13·0	72	..	0·2	..	2·4	0	0	16	2	1	1	1	1	1	6	3	14
	0530	,,	1015·1	989·6	..	15·0	12·5	10·1	12·3	74	..	0·1	..	3·1	0	1	15	1	0	0	2	0	1	8	4	14
	0830	,,	1016·9	991·5	+0·7	17·5	13·5	10·1	12·3	63	+13	0·9	+0·3	5·0	0	1	23	0	1	2	3	2	1	9	6	6
	1130	,,	1016·2	991·6	..	26·4	17·4	10·3	12·5	37	..	0 9	..	8·9	0	4	25	1	1	2	3	3	1	6	12	1
	1430	,,	1013·4	989·1	..	28·6	17·9	9·4	11·8	31	..	1·7	..	10·1	0	8	19	5	3	2	0	0	2	4	11	3
	1730	,,	1013·1	988·6	..	26·3	17·7	11·0	13·1	39	..	1·5	..	3·1	0	0	24	4	4	1	0	0	0	4	11	6
	2030	,,	1014·9	989·9	..	20·2	15·7	12·1	14·1	60	..	0·5	..	1·7	0	0	17	3	1	3	1	2	0	0	7	13
	2330	,,	1015·5	990·2	..	17·3	14·2	11·5	13·6	69	..	0·3	..	1·9	0	0	16	2	0	2	3	1	1	3	4	14
Palam Aerodrome	0230	233	1015·3	988·1	..	15·9	13·1	10·5	12·7	70	..	0·2	..	3·0	0	0	17	1	0	2	2	6	6	0	0	13
	0530	,,	1015·6	988·1	..	14·2	12·1	10·0	12·3	76	..	0·3	..	3·9	0	0	21	1	1	2	3	5	9	0	0	9
	0830	,,	1017·1	989·9	..	17·3	13 8	10·8	12·9	66	..	0·9	..	5·7	0	0	20	0	1	4	0	3	7	4	1	10
	1130	,,	1016·6	990·2	..	26·2	18·5	12·7	14·7	44	..	0·7	..	8·4	0	1	23	0	2	1	4	0	4	6	7	6
	1430	,,	1013·4	987·7	..	28·8	19·4	13·0	15·0	38	..	1·4	..	9·1	0	4	22	2	3	1	0	2	1	7	10	4
	1730	,,	1013·5	987·1	..	26·0	18·4	12·8	14·8	45	..	1·0	..	3·3	0	0	15	1	1	0	0	0	1	3	9	15
	2030	,,	1015·1	988·2	..	20·8	15·7	11·6	13·7	56	..	0·4	..	3·4	0	0	17	2	0	7	3	1	3	0	1	13
	2330	,,	1016·0	988·7	..	18·2	14·2	10·7	12·7	62	..	0·3	..	3·5	0	0	18	0	1	6	4	3	3	0	1	12
Himachal Pradesh																										
Mandi . . .	0830	761	1019·0	930·7	—0·5	9·5	8·2	6·8	9·9	83	—10	1·0	—1·1	0·1	0	0	1	0	0	0	0	0	0	0	1	29
	1730	,,	1013·5	928·6	..	20·4	15·4	11·3	13·4	59	..	2·3	..	0·2	0	0	3	0	0	0	0	0	2	0	1	27
Bilaspur . . .	0830	587	1018·3	949·9	..	11·3	10·4	9·7	12·0	90	..	1·2	..	0·2	0	0	3	0	1	2	0	0	0	0	0	27
	1730	,,	1013·4	948·0	..	23·2	14·7	7·9	10·7	38	..	1·4	..	1·6	0	0	14	1	5	5	3	0	0	0	0	16

(R) Register not Received

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in milibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in milibars: At station level	Mean pressure in milibars: Departure from normal	Mean temperature in °C.: Dry bulb	Mean temperature in °C.: Wet bulb	Mean temperature in °C.: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean Wind speed in Km. per hour	Wind speed (Km. ph.): 62 or more	Wind speed (Km. ph.): 20 to 61	Wind speed (Km. ph.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Jammu and Kashmir—																											
Misgar . (R) .	0830	,,																									
(R)	1730	,,																									
Gilgit . (R) .	0830	,,																									
(R)	1730	,,																									
Skardu . (R) .	0830	,,																									
(R)	1730	,,																									
Leh . . .	0530	3514	3159·0	669·5	..	−6·0	−8.3	−14·5	1·7	47	..	3·5	.	4·8	0	0	23	13	5	2	0	1	2	0	0	7	0
	0830	,,	3164·2	670·7	+1·9	1·5	−1·9	−7·7	3·2	51	−5	3·2	+0·6	2·6	0	0	18	0	0	2	0	10	6	0	0	12	0
	1730	,,	3158·7	670·8	..	6·0	3·6	−1·2	5·5	68	..	3·1	..	(b) 6·2	0	0	29	0	2	0	1	0	23	1	2	0	0
Srinagar . . .	0830	1587	1561·3	847·5	+1·2	4·5	4·0	3·3	7·7	92	+8	3·2	+1·0	1·5	0	0	16	0	0	0	7	4	1	2	2	14	0
	1130	,,	1561·2	847.5	.	10·8	7·6	4·4	8·0	66	..	4·0	..	1·9	0	0	20	1	2	0	3	5	2	1	6	10	0
	1430	,,	1541·1	845·6	..	13·7	9·0	4·6	8·3	55	.	3·9	..	2·4	0	0	26	2	3	0	1	4	3	4	9	4	0
	1730	,,	1535·5	844·8	..	11·9	8·2	4·8	8·6	63	..	3·8	..	2·1	0	0	18	1	2	0	2	3	0	3	7	12	0
(R)	2030	,,																									
Srinagar (Aerodrome)	0530	1666	1545·9	837·9	..	4·5	3·0	1·3	6·7	80	..	2·8	..	1·0	0	0	6	0	1	1	0	1	0	1	2	24	0
	0830	,,	1557·0	839·2	..	5·5	3·7	1·6	6·9	77	..	4·3	..	1·6	0	0	12	1	3	1	1	1	2	0	3	18	0
	1130	,,	1556·7	839·5	..	10·3	6·8	3·0	7·6	62	..	4·2	..	3·8	0	1	19	3	3	6	0	0	0	0	8	10	0
	1730	,,	1532·0	836·9	..	11·4	7·3	2·9	7·5	58	..	4·1	.	3·3	0	1	11	0	1	1	1	0	0	1	8	18	0
	2330	,,	1547·6	838·2	..	6·5	4·2	1·5	6·8	71	..	2·1	..	1·0	0	0	3	0	1	0	0	1	1	0	0	27	0
Gulmarg . .	0830	2655						Closed during winter months.																			
	1730	,,						Closed during winter months.																			
Qazigund . .	0830	1690	.	..	..	5·6	3·9	1·9	6·9	78	..	4·3	..	1·7	0	0	17	0	1	0	14	0	1	0	1	13	0
	1730	..	..	..	..	11·4	7·8	4·1	8·2	62	..	4·5	..	1·6	0	0	14	1	1	1	0	2	5	3	1	16	0
Banihal . . .	0830	..	..	..	..	8·1	5·2	1·5	6·8	66	..	2·8	..	6·8	0	2	12	0	0	2	1	1	0	3	7	16	0
	1730	..	..	..	..	13·9	6·9	−0·6	6·3	39	..	3·8	..	9·8	0	2	20	0	0	1	2	0	0	4	15	8	0
Jammu . . .	0830	366	..	..	..	16·0	12·1	8·1	10·8	59	+3	2·4	+0·4	0·5	0	0	30	7	8	1	2	1	0	0	0	0	11
	1730	..	..	..	..	25·3	16·6	9·4	11·8	37	..	2·0	..	4·4	0	0	22	3	0	0	1	0	0	1	0	8	17
Jammu (Aerodrome)	0530	292	1015·3	980·9	..	15·7	11·7	7·7	10·5	60	..	1·6	..	6·0	0	0	18	0	14	3	0	0	0	1	0	12	0
	0830	,,	1016·7	982·5	..	17·0	12·3	7·7	10·5	55	..	3·0	..	4·9	0	0	21	1	11	6	2	0	0	0	1	9	0
	1130	,,	1016·6	983·1	..	23·6	15·3	7·8	10·6	37	..	3·2	..	4·6	0	0	20	3	4	1	0	5	2	4	1	10	0
	1730	,,	1013·7	980·4	..	23·6	16·0	9·9	12·2	43	..	2·8	..	3·4	0	1	10	1	1	0	0	1	1	6	1	19	0
	2330	.	1016·2	982·0		17·4	12·8	8·7	11·2	57	..	1·6	..	4·5	0	0	14	0	7	6	0	0	0	1	0	16	0
Rajasthan—(West)																											
Ganganagar . .	0530	177	1015·0	994·1	..	14·4	11·8	9·4	11·8	73	..	0·3	..	0·5	0	0	4	0	1	1	0	0	0	1	1	26	0
	0830	,,	1016·8	995·9	+0·7	15·4	12·2	8·8	11·3	69	+6	0·5	−0·2	0·8	0	0	9	1	1	1	2	1	3	0	0	21	0
	1130	,,	1016·1	996·0	..	26·2	16·9	9·2	11·6	36	..	1·0	..	1·8	0	0	10	0	3	0	1	1	3	0	2	20	0
	1730	,,	1013·2	993·1	..	26·7	17·7	11·1	13·2	38	..	0·5	..	0·3	0	0	2	0	0	0	0	0	1	0	1	28	0
	2330	,,	1015·5	994·8	..	17·3	13·7	10·5	12·7	65	..	0·3	..	0·3	0	0	4	0	0	3	0	0	0	0	1	26	0
Anupgarh (R)	0830	154																									
(R)	1730	,,																									
Mahajan . .	0830	187	1015·3	993·2	..	18·7	14·3	10·3	12·5	59	..	0·8	..	(d) 3·7	0	0	26	2	3	2	5	0	13	0	1	1	0
	1730	,,	1011·7	990·3	..	27·4	19·6	14·5	16·5	45	..	0	..	(i) 3·8	0	0	22	1	1	1	1	0	12	1	5	0	0
Churu . . .	0830	291	1013·0	979·2	..	17·5	11·6	5·5	9·0	46	..	0·5	..	3·7	0	0	19	2	0	3	4	2	4	3	1	11	0
	1730	,,	1008·7	976·1	..	27·9	16·4	5·9	9·3	25	..	0·9	..	4·7	0	0	25	11	2	1	1	1	2	5	2	5	0
Bikaner . . .	0830	224	1016·6	990·5	+0·6	18·1	11·9	5·3	8·9	44	−1	0·1	0·9	4·3	0	1	27	0	8	2	3	4	7	2	2	2	0
	1730	,,	1012·6	987·4	..	29·4	17·7	7·6	10·4	27	..	0·1	..	4·2	0	0	28	8	2	0	0	0	7	1	10	2	0
Bikaner P.B.O. .	0530	224	1014·8	988·6	..	14·1	10·1	5·3	9·2	58	..	0·4	..	1·3	0	0	6	0	0	0	0	0	5	1	0	24	0
	1130	,,	1015·8	990·5	..	28·1	17·0	7·4	10·7	28	..	1·0	..	3·5	0	1	19	0	9	0	2	0	7	1	1	10	0
	2330	,,	1015·4	989·4	..	18·6	12·3	5·9	9·5	45	..	0·5	..	2·6	0	0	13	2	5	0	0	2	3	1	0	17	0
Nagaur . . .	0830	298	1016·6	982·6	..	23·9	17·4	12·1	14·1	48	..	0·4	..	4·2	0	0	29	3	5	5	2	6	6	2	0	1	0
	1730	,,	1012·2	978·9	..	29·4	20·6	15·1	17·1	41	..	0·8	..	4·0	0	0	29	8	4	0	0	2	4	4	7	1	0
Phalodi . .	0830	234	1016·3	989·2	..	18·7	13·0	7·3	10·2	49	..	0·6	..	4·5	0	0	23	3	2	3	2	7	4	1	1	7	0
	1730	,,	1013·1	986·8	..	29·7	17·8	8·1	10·6	26	..	0·5	..	6·9	0	0	27	3	4	2	0	5	9	1	3	3	0
Jaisalmer .	0830	242	1015·9	987·5	..	19·6	13·9	8·7	11·2	49	..	1·1	..	5·9	0	0	20	3	3	3	2	5	4	0	0	10	0
	1730	,,	1011·8	984·9	..	30·1	21·8	16·7	19·0	47	..	0·5	..	9·3	0	0	30	7	3	1	1	8	7	3	0	0	0

(R) Register not received. (b) Mean of 29 days. (d) Mean of 27 days. (i) Mean of 22 days.

Sub Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Vari. [illegible]
1	2	3	4	5	6	7	8	9	10	11	12	13	44	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Rajasthan West - (*Contd*)																											
Jodhpur	0230	224	1014·3	988·6	..	22·8	14·5	6·6	9·7	36	..	0·4	..	6·1	0	0	27	7	14	0	0	0	1	3	2	3	0
	0530	,,	1014·3	988·7	..	21·9	14·2	7·9	10·6	42	..	0·3	..	5·7	0	0	24	5	15	1	0	0	1	1	1	6	0
	0830	,,	1016·8	990·7	+2·0	18·5	12·4	6·1	9·4	44	+2	1·1	+0·1	5·1	0	0	25	4	18	0	0	1	2	0	0	5	0
	1130	,,	1016·2	991·2	..	26·9	17·1	8·6	11·2	32	..	1·1	..	8·8	0	1	29	1	7	4	7	0	7	3	1	0	0
	1430	,,	1013·3	987·8	..	29·3	17·3	7·0	10·0	25	..	1·0	..	9·4	0	0	30	4	5	4	0	2	6	1	7	0	1
	1730	,,	1012·7	988·0	..	30·3	18·3	8·4	11·0	26	..	1·0	..	6·5	0	0	28	5	5	3	2	0	6	4	2	2	1
	2030	,,	1014·4	989·0	..	26·4	16·7	8·4	11·0	34	..	0·7	..	5·2	0	0	22	7	7	1	2	0	1	4	0	8	0
	2330	,,	1014·9	989·3	..	24·5	15·2	6·5	9·7	32	..	0·6	..	6·3	0	+1	23	5	9	2	1	0	5	2	0	6	0
Barmer	0530	194	1013·9	991·3	..	29·5	13·9	8·6	11·2	51	..	0·1	..	2·5	0	0	20	2	2	0	0	0	0	3	13	10	0
	0830	,,	1015·9	993·3	+0·7	18·9	14·1	9·5	11·9	56	+7	0·6	—0·5	1·5	0	0	15	5	0	0	0	0	0	5	5	15	0
	1130	,,	1015·4	993·5	..	29·3	18·5	10·5	13·2	34	..	0·7	..	3·9	0	0	25	5	5	4	1	2	3	3	2	5	0
	1730	,,	1011·5	989·7	..	30·2	18·4	8·6	11·2	28	..	0·7	..	2·7	0	0	24	3	4	1	3	5	3	0	5	6	0
	2330	,,	1014·2	991·9	..	23·0	14·4	6·2	9·5	34	..	0·2	..	4·3	0	0	24	0	0	0	0	0	7	6	11	6	0
Erinpura (Jawaii Dam)	0830	295	1016·1	982·2	..	18·6	15·4	12·9	14·9	70	..	0·7	..	3·6	0	0	16	1	0	1	0	13	0	1	0	14	0
	1730	,,	1012·6	979·3	..	25·9	20·9	18·0	20·6	61	..	0·8	..	1·2	0	0	13	8	0	0	0	0	0	4	1	17	0
Rajasthan East																											
Pilani	0830	301	1017·8	982·6	..	16·9	12·0	7·1	10·1	53	..	0·4	..	6·0	0	1	26	2	1	1	5	6	8	3	1	3	0
	1730	,,	1013·4	979·7	..	27·3	16·4	6·8	9·9	28	..	0·5	..	4·5	0	0	28	9	4	1	1	3	1	3	6	2	0
Sikar	0830	433	1016·9	967·3	..	18·0	13·1	8·7	11·2	56	..	0·4	..	0·9	0	0	14	1	1	0	11	0	0	0	1	16	0
	1730	,,	1012·2	964·2	..	28·1	16·9	7·6	10·4	28	..	0·5	..	1·5	0	0	20	1	1	0	1	0	0	10	7	10	0
Alwar	0830	271	1016·5	984·9	..	18·4	14·7	12·0	14·0	68	..	0·7	..	0·5	0	0	5	1	1	0	0	0	2	1	0	25	0
	1730	,,	1013·3	982·5	..	25·9	19·3	14·9	16·9	52	..	1·2	..	0·1	0	0	2	0	1	1	0	0	0	0	0	28	0
Jaipur (Sanganer)	0230	390	1014·7	969·6	..	16·9	11·8	6·5	9·7	51	..	0·2	..	2·0	0	0	16	4	3	7	0	0	0	0	2	14	0
	0530	,,	1015·2	969·8	..	15·1	10·9	6·6	9·7	54	..	0·3	..	1·6	0	0	12	4	1	6	0	0	0	0	1	18	0
	0830	,,	1016·5	971·8	+0·1	20·1	13·4	7·1	10·1	44	—3	0·8	+0·1	2·6	0	0	17	4	0	0	4	1	0	3	5	13	0
	1130	,,	1015·5	971·9	..	27·4	16·2	6·1	9·4	26	..	1·0	..	6·4	0	0	26	0	0	0	5	5	5	5	6	4	0
	1430	,,	1012·4	969·2	..	29·4	16·4	4·2	8·2	20	..	1·0	..	6·1	0	0	26	2	2	0	4	1	2	10	5	4	0
	1730	,,	1012·4	968·8	..	26·8	15·9	5·9	8·9	27	..	1·1	..	1·7	0	0	19	2	1	9	2	0	0	0	5	11	0
	2030	,,	1014·8	970·2	..	20·4	13·5	6·5	9·7	42	..	0·2	..	1·9	0	0	15	6	1	4	1	0	0	1	2	15	0
	2330	,,	1015·2	970·3	..	18·6	12·5	6·4	9·6	45	..	0·1	..	2·7	0	0	21	5	3	10	0	0	0	1	2	9	0
Dholpur	0830	176	1016·5	995·3	..	19·1	14·3	10·0	12·3	57	..	0·4	..	0·3	0	0	4	0	0	0	0	2	0	1	1	26	0
	1730	,,	1012·4	992·7	..	26·0	17·6	11·1	13·8	41	..	0·6	..	4·1	0	0	0	0	0	0	0	0	0	0	0	30	0
Ajmer	0830	486	1017·4	961·6	+0·4	17·4	12·3	8·0	10·7	55	+4	1·3	+0·5	1·9	0	0	11	1	2	0	2	0	0	1	5	19	0
	1730	,,	1012·5	958·8	..	27·1	15·6	6·1	9·4	27	..	1·2	..	2·4	0	0	20	3	3	1	3	1	2	3	4	10	0
Tonk	0830	272	1016·3	984·7	..	18·2	13·6	9·1	11·5	58	..	0·9	..	4·9	0	0	29	2	2	0	5	1	[illegible]	4	13	1	0
	1730	,,	1011·8	981·1	..	27·0	18·8	13·1	15·1	42	..	0·9	..	3·4	0	0	30	4	4	2	5	0	4	5	6	0	0
Bhilwara	0830	425	1017·1	968·3	..	19·4	13·3	7·9	10·7	49	..	1·1	..	2·7	0	0	18	4	2	0	1	0	9	0	2	12	0
	1730	,,	1012·7	965·7	..	28·2	17·1	7·5	10·4	28	..	0·6	..	3·5	0	0	20	4	6	5	0	0	1	1	3	10	0
Kota	0830	257	1016·7	987·1	+0·4	21·1	15·6	11·1	13·1	54	+5	1·4	+0·4	2·3	0	0	12	1	0	0	3	0	3	4	1	18	0
	1730	,,	1012·8	984·0	..	27·6	18·0	10·5	12·7	35	..	0·8	..	1·1	0	0	8	0	4	2	0	0	0	0	2	22	0
Kota Aerodrome	0530	274	1015·1	983·2	..	17·9	12·2	6·2	9·5	48	..	0·2	..	6·1	0	0	29	1	3	3	1	1	6	10	4	1	0
	0830	,,	1017·0	985·5	..	21·2	13·8	6·6	9·7	39	..	1·2	..	5·0	0	0	24	1	5	4	2	0	1	10	1	6	0
	1130	,,	1016·2	985·3	..	27·6	16·5	6·5	9·7	27	..	1·2	..	6·5	0	0	28	2	7	10	3	1	0	3	2	2	0
	1730	,,	1012·9	982·3	..	28·8	16·3	4·6	8·5	22	..	1·0	..	6·2	0	0	30	3	13	10	0	0	0	1	3	0	0
	2330	,,	1015·2	983·8	..	21·8	13·2	5·0	8·7	35	..	0·3	..	5·8	0	0	28	2	2	4	5	1	7	7	0	2	0
Chambal (Rawat Bhatta Dam)	0830	351	1015·7	975·0	..	19·9	13·8	9·2	11·6	53	..	0·8	..	0·1	0	0	2	0	1	0	0	0	0	0	1	28	0
	1730	,,	1011·2	972·3	..	28·4	17·1	7·1	10·3	26	..	0·7	..	3·0	0	0	27	0	15	4	2	0	0	2	4	3	0
Udaipur	0230	582	1016·1	949·2	..	14·8	11·8	9·1	11·7	69	..	0·2	..	0	0	0	0	0		0	0	0	0	0	0	30	0
	0530	,,	1016·5	949·3	..	13·5	11·0	8·9	11·3	74	..	0·2	..	0	0	0	0	0		0	0	0	0	0	0	30	0
	0830	,,	1017·4	951·2	+0·7	18·4	13·4	9·3	11·5	55	—1	1·2	+0·7	0	0	0	0	0	0	0	0	0	0	0	0	30	0
	1130	,,	1015·5	951·3	..	27·6	16·7	8·4	10·9	30	..	1·1	..	1·9	0	0	14	0	6	2	1	2	2	1	0	16	0
	1730	,,	1012·3	948·2	..	26·9	17·1	10·1	12·0	35	..	1·1	..	0·5	0	0	4	0	3	0	1	0	0	0	0	26	0
	2330	,,	1016·4	950·0	..	16·9	13·0	9·9	12·2	63	..	0·4	..	0·1	0	0	1	0	0	0	0	0	0	0	1	29	0
Jhalawar	0830	321	1016·7	979·7	+1·0	18·8	13·4	8·5	11·1	51	—8	1·4	+0·4	0·3	0	0	3	0	0	1	0	0	0	1	1	27	0
	1730	,,	1012·0	976·4	..	28·8	17·1	6·8	9·9	25	..	0·7	..	1·7	0	10	14	4	6	2	1	0	0	0	1	16	0
Banswara	0830	220	1015·9	990·7	..	23·2	15·9	9·5	11·9	43	..	0·8	..	9·3	0	0	27	6	6	4	1	0	4	2	4	3	0
	1330	,,	1011·8	987·2	..	30·3	19·6	11·6	13·7	34	..	0·9	..	(b) 4·2	0	0	29	6	5	5	2	0	4	2	5	0	0

(b) For 29 days only.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km.p.h.): 62 or more	20 to 61	1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	WN	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh																											
West Gwalior	0230	207	1014·8	990·5	..	15·1	11·6	8·3	10·9	65	..	0·3	..	0·7	0	0	5	0	1	0	0	1	1	2	0	25	0
	0530	,,	1015·3	990·8	..	13·8	11·0	8·1	10·9	70	..	0·5	..	0·6	0	0	4	0	0	0	0	1	3	0	0	26	0
	0830	,,	1016·7	992·8	+1·0	21·2	14·8	9·4	11·6	48	−2	0·9	+0·1	1·1	0	0	8	0	0	0	0	5	1	2	0	22	0
	1130	,,	1016·0	992·6	..	28·2	17·3	8·2	10·9	29	..	0·7	..	6.3	0	0	28	5	4	2	4	5	1	2	5	2	0
	1430	,,	1013·3	990·1	..	29·5	17·5	7·4	10·3	25	..	0·7	..	7·1	0	0	29	6	6	1	2	2	1	1	10	1	0
	1730	,,	1013·3	989·9	..	26·3	17·3	10·3	12·4	37	..	0·9	..	2·6	0	0	23	9	5	2	1	0	0	1	5	7	0
	2030	,,	1015·3	991·2	..	18·5	13·7	9·4	11·8	55	..	0·3	..	0·3	0	0	2	0	0	0	0	2	0	0	0	28	0
	2330	,,	1015·7	991·4	..	15·9	12·2	8·7	11·2	63	..	0·3	..	0·5	0	0	4	0	0	0	0	2	2	0	0	26	0
Sheopur . . .	0830	235	1017·4	990·0	+0·7	18·1	13·0	8·3	10·9	54	−4	1·1	+0·1	3·1	0	0	20	4	0	0	0	15	1	0	0	10	0
	1730	,,	1012·8	986·5	..	28·3	18·1	9·9	12·4	33	..	1.2	..	4·2	0	0	25	10	1	9	0	0	1	3	1	5	0
Shivipuri .	0830	464	1016·9	964·1	..	20·6	14·4	9·4	11·9	50	..	0·7	..	2·6	0	0	18	1	1	3	2	5	3	3	0	12	0
	1730	,,	1013·2	961·2	..	24·4	15·7	8·9	11·5	38	..	0·9	..	2·8	0	0	18	2	6	3	1	0	0	4	2	12	0
Nowgong . .	0830	229	1017·4	990·8	+0·9	18·4	14·0	10·2	12·4	60	−11	1·0	−0·2	2·4	0	0	19	0	0	0	1	7	9	1	1	11	0
	1730	,,	1013·1	987·3	..	27·6	18·0	10·3	12·9	35	..	0·7	..	0·9	0	0	13	3	3	1	0	0	0	0	6	17	0
Guna . . .	0530	478	1016.7	960·8	..	12·1	10·0	8·2	10·9	77	..	0·3	..	2·1	0	0	16	0	0	2	11	1	0	2	0	14	0
	0830	,,	1017·3	962·8	+1·3	20·0	17.8	10·6	12·7	55	−5	0·8	+0·1	3·0	0	0	26	0	0	8	13	1	1	3	0	4	0
	1130	,,	1015·5	962·6	..	28·1	19·6	10 7	12·9	34	..	0·7	..	6·7	0	0	30	4	6	8	5	0	2	3	2	0	0
	1730	,,	1012·9	959·7	..	26·3	17·1	10·4	12·8	37	..	0·9	..	3·7	0	0	27	4	11	3	1	0	4	3	1	3	0
	2330	,,	1016·7	961·4	..	15.8	12·0	8·8	11·2	63	..	0	..	2·7	0	0	19	3	1	7	8	0	0	0	0	11	0
Nimach . . .	0830	496	1017·5	961·1	+1·1	20·4	13·0	6·4	9·6	40	−8	1·0	0	3·1	0	0	17	1	10	6	0	0	0	0	1	13	0
	1730	,,	1012·8	958·3	..	28·3	15·8	5·1	8·8	23	..	1·0	..	5·3	0	0	26	0	14	3	0	0	1	4	3	4	0
Rajgarh . . .	830	382	1017.3	973·2	..	17·8	12·8	7·9	10·7	53	..	1·3	..	2·1	0	0	23	0	1	7	8	7	0	0	0	7	0
	1730	,,	1012·2	969·8	..	28·7	16·6	5·4	9·1	23	..	1·0	..	7·2	0	0	30	9	8	4	1	1	0	3	4	0	0
Sagaar . . .	0830	551	1016·5	954·5	+1·1	22·2	14·1	7·2	10 1	39	−8	1·0	−0·3	2.2	0	0	20	1	3	1	1	0	0	12	3	10	0
	1730	,,	1012·7	951·7	..	25.7	14·8	5·3	8·9	27	..	0.9	..	1 0	0	0	15	2	4	2	1	0	0	3	4	15	0
Ratlam . . .	0330	486	1016.5	961·4	+0·9	21·2	14·6	9·4	11·8	48	0	1·3	−0·2	7·4	0	0	28	2	13	12	1	0	0	0	0	2	0
	1730	,,	1012·0	958·4	..	28·6	18·2	10 9	13·3	34	..	1·9	..	7·5	0	0	28	2	13	7	0	0	3	3	0	2	0
Bhopal (Bairagarh) .	0230	523	1014·5	954.8	..	17·5	13·8	9·6	12·2	59	..	0·6	..	3.3	0	0	18	5	4	4	1	2	1	0	1	12	0
	0530	,,	1015·4	955·4	.	16·8	12·7	9·3	11·7	63	..	0 7	..	3 9	0	0	19	1	5	6	6	0	1	0	0	11	0
	0830	,,	1016·5	957·4	+0·7	21·4	15·4	11·0	13·1	52	−4	1·4	0	3·9	0	0	16	0	4	4	5	0	0	1	2	14	0
	1130	,,	1015·0	957·1	..	27·4	18·7	13·1	15·1	42	..	1·1	..	7·5	0	0	23	3	4	10	5	0	0	0	1	7	0
	1430	,,	1011·9	954·5	..	28·5	19·0	12·5	15·0	37	..	1·0	..	7 7	0	0	24	5	4	6	1	0	0	4	4	6	0
	1730	,,	1012·3	954·5	..	26·9	17·9	11·7	13·9	39	..	1·2	..	6·5	0	0	26	5	16	1	1	0	0	2	1	4	0
	2030	,,	1014·9	956·1	..	22·3	15·6	10·6	12·9	48	..	0·6	..	4·5	0	0	21	3	9	6	1	1	0	0	1	9	0
	2330	,,	1015·3	956·0	..	19·8	14·6	10·5	12·9	55	..	0 6	.	4·5	0	0	20	5	6	3	4	1	1	0	0	10	0
Ujjain . . .	0330	489	1017·1	961·1	..	19·0	13·1	8·0	10·8	49	..	1·6	..	2·7	0	1	7	2	0	5	1	0	0	0	0	22	0
	1730	,,	1012·0	958·0	..	28·2	17·1	8·8	11.4	30	..	2·1	..	5·3	0	0	24	4	8	7	1	0	0	1	3	6	0
Narsinghpur . .	0830	356	1017·4	976·3	..	18·7	13·6	8·8	11·5	53	..	1·3	..	1·5	0	0	23	3	13	0	6	0	0	0	1	7	0
	1730	,,	1012·0	972·4	..	28·2	18·3	10·7	12·9	34	..	1·6	..	1·5	0	0	23	1	13	0	2	0	1	0	6	7	0
Hoshangabad . .	0830	302	1017·6	982·6	+0·9	18·7	15·2	12·5	14·5	67	+6	1·0	−0·4	4·2	0	0	30	1	14	7	3	0	2	2	1	0	0
	1730	,,	1012·6	978·8	..	27·5	19·7	14·3	16·6	46	..	0·8	..	2·9	0	0	30	2	5	11	1	4	4	3	0	0	0
Indore . . .	0530	567	1015·4	950·3	..	15·2	10.8	6·2	9·5	54	..	1·0	..	3·5	0	0	15	2	3	6	0	1	3	0	0	15	0
	0830	,,	1016·4	952·4	+0·7	20·5	13·2	6·7	9·9	42	−10	1.5	+0·3	4·7	0	0	22	3	8	8	1	1	1	0	0	8	0
	1130	,,	1014·4	952·0	..	28·8	15·9	5·7	9·3	25	..	1·2	..	10·6	0	2	27	3	7	12	1	0	3	1	0	1	2
	1730	,,	1011·6	949·3	..	27·9	15·6	5·0	8·9	25	..	1·6	..	9.3	0	1	26	4	14	3	0	2	1	1	2	3	0
	2330	,,	1015·3	951·1	..	19·2	12·3	5·7	9·3	42	..	1·2	..	5·7	0	0	20	3	5	7	0	0	3	0	2	10	0
Rajpur(Jhabua) .	0830	293	1016·6	982·8	..	19·5	13·7	8·2	10·9	49	..	1·4	..	1·0	0	0	6	0	0	6	0	0	0	0	0	24	0
. .	1730	,,	1011·7	979·2	..	30·6	18·2	7·8	10·9	26	..	1·7	..	3·3	0	0	21	0	0	9	0	0	0	12	0	9	0
Chhindwara. . .	0830	685	1017·0	939·4	+0·7	17·5	12·5	8·1	10·9	55	−3	1·2	−0·2	1·3	0	0	6	2	2	2	0	0	0	0	0	24	0
	1730	,,	1011·3	936·4	..	26·5	15·3	5·6	9·2	27	.	2·0	..	4·9	0	0	21	7	2	6	1	0	0	4	1	9	0
Seoni . . .	0830	619	1016·0	946·8	+0·9	20·2	14·1	9·1	11.6	49	−8	1.2	−0·3	2·7	0	0	21	4	7	1	1	0	6	1	1	9	0
	1730	,,	1012·1	943·9	..	26·1	15·8	7·5	10·4	31	..	1·7	..	5·1	0	0	29	5	3	8	6	5	1	0	1	1	0
Betul . .	0830	653	1016·9	943·1	+0·7	19·3	13·3	8·4	10·9	50	−8	1·0	−0·8	2·9	0	0	24	1	5	1	6	0	0	0	0	6	0
	1730	,,	1011·9	940·1	..	25·6	15·7	7·7	10·5	33	..	1·6	..	3·7	0	0	30	9	6	12	0	0	0	0	3	0	0
Khandwa . .	0830	318	1016·3	979·8	+0·7	20·4	14·0	8·1	10·8	46	−12	1·2	−0·2	1·5	0	0	21	1	17	6	5	0	2	0	0	9	0
	1730	,,	1011·7	976·3	..	29·3	18·0	8·3	11·8	27	—	1·6	—	3·0	0	0	28	4	20	1	1	0	0	0	2	2	0

Sub-division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh East.																											
Satna	0530	317	1015·6	978·4	..	14·2	11·7	9·4	11·8	73	..	0·5	..	1·5	0	0	10	0	0	0	0	0	1	4	5	20	0
	0830	,,	1017·1	980·5	+0·9	19·7	14·6	10·2	12·5	54	—8	0·8	—0·4	0·5	0	0	8	1	0	0	0	0	1	6	0	22	0
	1130	,,	1015·5	979·9	..	27·2	17·0	8·5	11·1	31	..	1·0	..	5·5	0	0	28	2	0	6	5	3	2	8	2	2	0
	1730	,,	1013·2	977·4	..	25·4	16·7	9·6	11·9	37	..	0·9	..	1·2	0	0	14	9	0	0	1	0	0	1	3	16	0
	2330	,,	1015·8	979·0	..	17·7	13·5	9·8	12·1	60	..	0·2	..	2·8	0	0	19	3	0	2	1	2	3	6	2	11	0
Rewa	0830	299	1016·9	982·2	..	19·5	15·9	13·3	15·2	68	..	1·2	..	1·6	0	0	19	2	1	0	0	0	5	6	5	11	0
	1730	,,	1012·7	979·1	..	26·7	19·9	15·8	17·7	51	..	1.1	..	1·7	0	0	22	13	1	0	0	0	0	1	7	8	0
Sidhi	0830	* 272	1016·4	985·0	..	19·3	14·7	10·9	13·0	59	..	..	..	1·3	0	0	19	1	3	8	0	5	0	2	0	11	0
	1730	,,	1012·2	981·7	..	27·0	17·8	10·6	12·9	39	..	..	..	1·4	0	0	20	11	0	1	0	2	0	3	0	10	0
Umaria	0830	459	1017·3	964·9	..	19·7	14·7	10·9	13·0	58	—4	0·9	—1·1	0·5	0	0	7	1	1	2	2	0	0	1	0	23	0
	1730	,,	1013·0	961·7	..	25·1	17·3	10.0	14·0	45	..	1·3	..	0·8	0	0	11	3	1	4	0	0	1	1	1	19	0
Jabalpur	0530	393	1016·2	970·3	..	13·6	11·8	10·2	12·4	81	..	0·6	..	1·3	0	0	12	0	1	0	6	4	1	0	0	18	0
	0830	,,	1017·5	972·5	+1·6	19·4	14·6	10·6	12·7	57	—15	1·0	—0·3	1·7	0	0	18	0	0	0	11	6	0	0	1	12	0
	1130	,,	1015·2	971·5	..	27·8	17·7	9·7	12·0	33	..	1·2	..	4·2	0	0	28	2	5	2	3	6	5	3	2	2	0
	1430	,,	1012·2	968·8	..	29·9	17·5	7·7	10·4	26	..	1·4	..	4·5	0	0	28	7	8	1	2	1	5	3	1	2	0
	1730	,,	1012·7	968·9	..	26·3	17·5	10 7	12·9	38	..	1·6	..	1·7	0	0	14	3	9	1	0	0	1	0	0	16	0
	2330	,,	1016·0	970·6	..	16·8	13·6	11 0	13·9	68	..	0·3	..	0·5	0	0	5	0	1	0	2	2	0	0	0	25	0
Ambikapur	0830	611	1017·3	948 1	+0 9	18·7	14·9	12·2	14·2	67	—1	0·6	—0·4	2·0	0	0	14	0	4	0	1	5	4	0	0	16	0
	1730	,,	1012·7	945·0	..	24·2	16·2	10 5	12·6	42	..	1·8	..	4·3	0	0	30	10	1	0	0	1	4	1	3	0	0
Jashpurnagar	0830	* 779	1015 9	929·9	..	19·1	15·0	11·7	13·8	62	..	0·4	..	1·6	0	0	23	2	15	0	1	0	2	0	3	7	0
	1730	,,	1012·1	926·4	..	22·7	15·7	10·5	12·7	46	..	1·1	..	1·3	0	0	20	2	3	0	0	0	7	3	4	10	1
Pendra	0530	625	1016·3	914·8	..	15·2	12·0	9·2	11·6	68	..	0·7	..	2·0	0	0	18	7	0	0	0	3	2	3	3	12	0
	0830	,,	1017·1	916·8	+1·1	20·4	14·8	10·6	12·8	54	—8	1·1	—0·9	2·7	0	0	19	12	0	0	0	3	3	0	1	11	0
	1130	,,	1015·0	916·0	..	25·4	16·2	9·2	11·7	36	..	1·4	..	7·5	0	3	25	15	1	0	1	4	2	1	1	2	0
	1430	,,	1012·2	913·6	..	26·4	16 6	9·3	11·8	35	..	1·6	..	7·4	0	0	27	14	3	0	0	3	4	1	2	3	0
	1730	,,	1013·3	943·8	..	22 9	16·1	11·2	13·4	48	..	1·8	..	2·5	0	0	22	9	0	0	1	8	2	0	2	8	0
	2330	,,	1016·1	9.5 2	..	17·5	13·2	9·6	12·0	60	..	0·7	..	2·3	0	0	18	3	1	0	0	7	4	1	2	12	0
Mandla	0830	413	1017·6	966 8	+0 7	17 0	13 9	11 3	13·4	70	—9	0.8	—0·9	0	0	0	0	0	0	0	0	0	0	0	0	30	0
	1730	,,	1012·3	963 0	..	25·5	16 8	9·8	12·1	37	..	1·4	..	0·1	0	0	1	1	0	0	0	0	0	0	0	29	0
Champa	0830	245	1017·1	988·7	+1 0	19 6	16·4	14·0	16 1	71	+3	1·3	—0·9	2·0	0	0	20	18	0	1	0	0	0	0	1	10	0
	1730	,,	1012 9	985·3	..	26·7	18·7	12·9	15·1	43	..	1·7	..	2·5	0	0	22	17	1	1	0	1	0	0	2	8	0
Raigarh	0830	220	1017·2	991 8	+1·4	22·2	16·9	12·8	15·0	55	—7	1·7	—0.3	3·6	0	0	29	0	26	3	0	0	0	0	0	1	0
	1730	,,	1012·5	987·7	..	27·0	13 6	12·6	14·6	41	..	1·6	..	0·8	0	0	12	7	4	1	0	0	0	0	0	18	0
Raipur	0530	298	1015 1	980·5	..	17·3	14.4	12 0	14 0	72	..	0·6	..	2·8	0	0	16	5	3	0	1	3	2	2	0	17	0
	0830	,,	1017 0	982·8	+1·3	21·5	16·7	13·2	15 0	60	—5	1·0	—0·7	4·1	0	0	22	5	8	3	1	1	2	2	0	8	0
	1130	,,	1015 1	981·8	..	28·5	19·8	14·1	16·1	42	..	0·8	..	7·4	0	0	29	5	7	5	4	1	2	4	0	1	1
	1430	,,	1012·2	979 0	..	29·8	19·8	13·3	15 0	36	..	1 2	..	6·7	0	0	29	4	13	2	1	3	0	1	3	1	2
	1730	,,	1012·7	979·3	..	27·2	19 0	13·3	15·5	43	..	1·6	..	3·5	0	0	20	10	6	1	1	1	0	0	1	10	0
	2330	,,	1015·0	980 8	..	20 9	16 2	12·6	14·6	60	..	0 1	..	3·3	0	0	22	0	8	8	3	2	0	1	0	8	
Kanker	0830	402	1016 6	970 9	+1·4	20·8	16 3	12 9	14·9	62	—14	1 0	—1·3	0·3	0	0	4	1	0	0	0	1	2	0	0	2	
	1730	,,	1011·8	967 3	..	27·3	18 9	12·8	15 0	41	..	1·2	..	1·3	0	0	15	2	13	0	0	0	0	0	0	15	
Jagdalpur	0530	553	1015·0	951 7	..	15·4	14·1	13·1	15 2	86	..	1·3	..	0·1	0	0	1	0	1	0	0	0	0	0	0	29	
	0830	,,	1016·1	953·8	+1·4	20·6	16·3	13·4	15·3	64	—15	2·1	-0·7	1·4	0	0	11	1	7	1	0	0	0	0	2	19	
	1130	,,	1013·3	952 6	..	27 5	18·0	11·5	13·7	38	..	1·8	..	8·2	0	2	22	6	13	5	0	0	0	0	0	6	
	1730	,,	1011·4	950·5	..	25·8	17·7	12·3	14·3	43	..	2·7	..	2·9	0	0	19	4	12	0	0	2	0	1	0	11	
	2330	,,	1014·8	952·3	..	18·7	15·6	13·5	15·5	72	..	0 5	..	1·4	0	0	8	0	5	2	1	0	0	0	0	22	0
Gujarat Region (Including Daman Dadra and Nagar Haveli)																											
Deesa	0830	136	1016 3	1000·3	+0·8	20·5	14·0	7·7	10·7	44	..	0·7	..	5·5	0	0	29	0	25	0	4	0	0	0	0	1	0
	1730	,,	1012·2	996·9	..	31 5	17·8	6·3	9·3	20	..	0·7	..	4·3	0	0	25	2	4	0	2	2	5	1	9	5	0
Radhanpur	0830	30	1016 0	1012·5	..	20·7	15·6	11·6	13·7	56	..	0·2	..	2·5	0	0	25	7	3	9	1	2	2	0	1	5	0
	1730	,,	1012·3	1008 9	..	31 0	20·2	12·8	14·9	34	..	0·2	..	1·3	0	0	12	3	0	1	1	0	4	1	2	18	0
Idar	0830	219	1015·5	990·6	..	25·1	15·4	6·1	9·7	31	..	0·8	..	3·2	0	0	25	6	11	7	0	0	0	0	1	5	0
	1730	,,	1011·7	987·3	..	30·6	18·3	8·3	11·1	25	..	0·9	..	1·7	0	0	19	0	0	2	7	0	0	8	2	11	0
Ahmadabad	0230	55	1013·4	1006·9	..	20·0	15·2	11·0	13·4	57	..	0·5	..	3·7	0	0	15	4	6	3	0	0	0	0	2	15	0
	0530	,,	1013·5	1007 0	..	18·8	14·5	10·6	13·0	60	..	0·5	..	5·9	0	0	23	2	12	6	0	0	0	0	3	7	0

*Height provisionally calculated.

Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Gujarat Region (Including Daman, Dadra and Nagar Haveli)—*Contd.*																											
Ahmadabad	0830	55	1015·4	1009·0	+0·3	22·1	15·7	10·3	12·1	48	−7	1·1	+0·1	7·5	0	1	23	1	10	13	0	0	0	0	0	6	0
	1130	,,	1015·4	1009·2	..	30·7	19·8	12·0	14·2	32	..	1·1	..	12·3	0	3	25	1	3	15	7	1	0	0	0	2	1
	1430	77	1012·5	1006.3	..	33·3	20·3	11·1	13·2	27	..	1·3	..	9·2	0	0	27	1	3	10	6	2	1	1	3	3	0
	1730	,,	1012·0	1005·8	..	31·7	19·9	11·2	13·7	29	..	1·6	..	8·0	0	0	26	0	5	7	5	0	3	2	4	4	0
	2030	,,	1013·7	1007·3	..	24.5	17·7	12·6	14·8	48	..	0·8	..	1·7	0	0	7	0	3	2	1	0	0	1	0	23	0
	2330	,,	1014·1	1007·7	..	21·6	16·1	11·6	13·8	54	..	0·5	..	2·1	0	0	8	2	3	2	0	0	0	0	1	22	0
Dohad	0830	333	1016·2	978·1	+0·8	20·9	13·7	6·5	9·9	41	−19	1·3	0	4·8	0	0	28	0	2	15	6	3	2	0	0	2	0
	1730	,,	1011·5	974·7	..	30·8	17·4	4·8	9·0	21	..	0·8	..	5·1	0	0	29	1	7	4	2	1	10	2	2	1	0
Vallabh Vidyanagar	0830	44	1015·0	1009·9	..	19·7	14·9	10·7	13·0	57	..	1·1	..	6.8	0	0	30	6	20	1	2	1	0	0	0	0	0
	1730	,,	1011·5	1006·7	..	31·6	20·5	12·6	15·1	34	..	1·6	..	5·1	0	0	26	10	5	1	1	1	2	2	4	4	0
Baroda Aerodrome	0830	38	1015·3	1010·9	..	21·8	15·8	10·7	13·1	50	..	1·2	..	7·4	0	0	25	8	10	3	1	2	0	0	1	5	0
	1130	,,	1014·9	1010·7	..	31·3	19·7	10·9	13·6	31	..	0·9	..	13·1	0	6	21	1	7	12	6	0	0	0	1	3	0
	1730	,,	1011·4	1007·3	..	31·6	20·2	11·8	14·4	32	..	1·4	..	8·2	0	0	27	3	7	5	0	1	3	1	7	3	0
Baroda	0530	34	1013·4	1009·3	..	18·4	14·9	12·1	14·1	67	..	0·4	..	0·1	0	0	2	0	2	0	0	0	0	0	0	28	0
	0830	,,	1015·5	1011·4	+1·0	21·2	16·0	11·7	14·0	56	−11	1·4	+0·4	1·1	0	0	11	0	9	2	0	0	0	0	0	19	0
	1130	,,	1015·2	1011·3	..	32·4	20·6	12·3	14·7	32	..	0·9	..	1·7	0	0	16	0	5	6	5	0	0	0	0	14	0
	1730	,,	1011·9	1008·0	..	32·1	21·2	14·4	16·3	37	..	1·4	..	0·5	0	0	7	0	3	0	0	0	1	2	1	23	0
	2330	,,	1014·0	1009·9	..	22·2	17.1	13·2	15·4	58	..	0·4	..	0·3	0	0	2	0	2	0	0	0	0	0	0	28	0
Broach	0830	17	1014·4	1012·3	+0·2	20·1	15·7	12·3	14·3	62	0	1·4	+0 2	5·0	0	0	30	2	20	0	4	3	0	0	1	0	0
	1730	,,	1011·0	1009·1	..	33·4	21·4	13·3	15·7	32	..	1·6	..	5·5	0	1	29	2	18	0	4	0	3	0	3	0	0
Surat	0530	12	1012·7	1011·3	..	20·9	16·7	13·3	15·7	63	..	0·6	..	8·3	0	0	29	0	13	0	12	0	0	0	4	1	0
	0830	,,	1015·0	1013·6	+0·9	22·8	17·2	12·7	15·1	55	−3	1·2	−0·2	6·3	0	0	29	0	18	0	8	0	0	0	3	1	0
	1130	,,	1015·0	1013·7	..	30·9	20·1	12·2	14·7	34	..	1·3	..	10·7	0	1	29	0	20	0	5	0	1	0	4	0	0
	1730	,,	1011·4	1010·1	..	31·7	20·9	13·5	15·9	35	..	1·4	..	8·1	0	1	29	0	11	0	1	0	5	0	13	0	0
	2330	,,	1013·7	1012·3	..	23·7	18·5	14·6	17·1	58	..	0·4	..	6·5	0	0	28	0	17	0	4	0	0	0	7	2	0
Saurashtra and Kutch (Including Diu)																											
Naliya	0830	21	1015·4	1012·9	..	19·6	16·6	14·2	16·5	74	..	1·0	..	4·5	0	1	22	10	7	4	1	1	0	0	0	7	0
	1730	,,	1012·3	1009·9	..	30·1	22·2	17·2	20·2	47	..	1·2	..	11·5	0	1	29	6	6	0	0	3	9	5	1	0	0
Bhuj (Rudramats)	0230	80	1014·0	1004·6	..	19·6	17·2	15·3	17·7	77	..	0·2	..	0	0	0	0	0	0	0	0	0	0	0	0	30	0
	0530	,,	1014·1	1004·7	..	17 6	15·8	14·2	16·5	81	..	0·3	..	0·3	0	0	1	0	1	0	0	0	0	0	0	29	0
	0830	,,	1015·9	1006·5	+0·9	20·4	17·5	15·3	17·6	74	+25	1·3	+0·4	0·9	0	0	3	0	2	0	0	0	1	0	0	27	0
	1130	,,	1015·7	1006·6	..	28·9	22·1	18·1	21·0	53	..	0·5	..	12·3	0	1	24	2	17	3	0	1	1	1	0	5	0
	1430	,,	1012 7	1003·8	..	32·2	23·1	17·7	20·8	44	..	0·9	..	12·3	0	2	24	3	13	2	3	2	1	2	0	4	0
	1730	,,	1012·2	1003·2	..	31·5	22·7	17·5	20·4	45	..	0·8	..	12·7	0	4	21	3	16	1	0	1	3	1	0	5	0
	2030	,,	1014·2	1005·0	..	25·2	19·7	15·8	18·5	57	..	0·3	..	3·5	0	0	12	2	1	1	0	0	5	2	1	18	0
	2330	,,	1014·7	1005·3	..	21·7	18·0	15·2	17·6	68	..	0·1	..	2·3	0	0	6	1	3	0	0	0	1	1	0	24	0
Kandla Aerodrome	0830	35	1016·0	1011·9	..	23·0	17·1	12·0	14·7	53	..	1·2	..	15·3	0	9	19	11	0	0	0	0	1	1	15	2	0
	1130	,,	1015·9	1011·9	..	30·0	18·6	9.3	12·2	29	..	1·1	..	15·7	0	5	23	9	8	4	1	0	3	1	2	2	0
	1730	,,	1012·5	1008·6	..	31·5	17·6	5.1	8·8	19	..	1·1	..	15·1	0	6	24	8	3	5	3	5	3	0	3	0	0
New Kandla	0830	14	1016·1	1014·4	..	22·1	17·3	13·2	15·9	59	..	1·4	..	9·2	0	0	30	17	2	1	0	0	0	2	8	0	0
	1730	,,	1012·8	1011·2	..	30·5	20·3	13·1	15·6	36	..	1.5	..	12·5	0	3	27	8	6	2	3	3	4	4	0	0	0
Mandvi	0830	9	1016·0	1014·9	+1·0	22·0	17·2	13·0	15·8	59	−2	1·6	+0·1	10·1	0	1	24	3	12	3	0	0	0	1	6	5	0
	1730	,,	1012·8	1011·7	..	28·3	22·0	18·1	21·3	56	..	1·7	..	16·8	0	12	18	1	2	2	2	4	4	15	0	0	0
Surendranggar	0830	74	1015·1	1007·0	+0·3	23·4	16·3	9·9	12·8	45	−4	1·1	+0·2	5·5	0	0	23	5	7	1	0	0	0	2	8	7	0
	1730	,,	1011·6	1005·3	..	32·4	19·3	8·9	11·5	26	..	1·9	..	3·3	0	0	19	6	4	4	0	1	0	2	2	4	0
Okha	0530	7	1013·9	1013·1	..	24·3	21·5	19·6	23·4	77	..	0·5	..	17·0	0	13	15	6	9	2	0	3	2	1	5	2	0
	0830	,,	1015.9	1015·1	..	25·2	25·5	19·1	22·7	71	..	1·1	..	17·3	0	14	15	5	9	5	1	1	1	2	5	1	0
	1130	,,	1016·2	1015·4	..	27·1	22·1	19·1	22·5	64	..	0·8	..	17·3	0	12	18	5	10	5	0	0	0	2	8	0	0
	1730	,,	1013·0	1012·2	..	27·1	22·8	20·2	24·1	67	..	1·5	..	14·6	0	8	21	5	5	2	0	0	0	5	12	1	0
	2330	,,	1014·9	1014·1	..	25·4	22·3	20·5	24·4	74	..	0·6	..	18·9	0	13	17	12	1	1	0	0	1	5	10	0	0
Jamnagar (Aerodrome)	0530	23	1013·7	1011·1	..	18·4	15·8	13·3	15·9	75	..	0·6	..	4·2	0	1	7	2	2	0	0	0	1	2	0	22	1
	0830	,,	1015·3	1012·7	+0·6	21·7	17·4	13·7	16·4	63	0	1·6	+0·7	6·5	0	1	17	6	6	0	0	0	3	3	0	12	0
	1130	,,	1015·6	1013·0	..	29·1	19·9	13·2	15·7	41	..	1·3	..	17·1	0	8	22	8	14	2	0	0	0	3	3	0	0
	1730	,,	1012·3	1009·8	..	29·9	19·9	12·9	15·1	37	..	1·4	..	18·1	0	13	16	13	9	0	0	0	0	4	3	1	0
	2330	,,	1014·6	1012·0	..	22·2	18·8	16·4	19·0	72	..	0·4	..	10·7	0	2	20	13	5	0	0	0	0	2	2	8	0
Dwarka	0830	11	1015·4	1014·1	+0·6	24·1	21·1	19·3	22·5	75	+8	1·0	−0·3	9·5	0	2	26	11	6	4	1	0	0	4	1	2	1

TABLE III—SUMMARY OF OBSERVATIONS AT FIXED HOURS—NOVEMBER, 1965 (KARTIKA 10—AGRAHAYANA 9, 1887 SAKA)

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Saurashtra and Kutch (including Div)—*Contd*																										
Dwarka—*contd.*	1730	23	1012·6	1011·3	..	28·3	22·1	18·0	21·6	57	..	0·8	..	15·9	0	7	22	8	5	3	0	0	0	10	3	1
Rajkot	0530	138	1013·7	997·7	..	18·3	14·5	11·0	13·4	65	..	0·5	..	3·7	0	0	14	1	6	1	0	0	2	2	2	16
	0830	,,	1015·5	999·6	+0·3	21·8	16·7	12·1	14·9	58	+1	1·3	+0·5	6·1	0	0	20	1	11	4	1	0	0	2	1	10
	1130	,,	1015·0	999·4	..	30·2	20·4	13·5	16·0	38	..	0·7	..	15·9	0	14	14	3	13	7	0	0	0	2	3	2
	1730	,,	1011·6	996·2	..	31·9	20·3	12·0	14·3	31	..	0·7	..	15·1	0	7	21	2	13	7	0	0	3	1	2	2
Bhaunagar (Aerodrome)	0830	11	1015·3	1014·1	+0·8	22·4	16·0	10·4	13·0	48	+1	1·6	+0·1	9·8	0	1	26	8	0	1	0	0	0	5	9	3
	1130	,,	1015·3	1014·1	..	29·6	19·8	12·9	15·1	37	..	1·4	..	14·7	0	9	20	0	17	9	3	0	0	0	0	1
	1730	,,	1011·9	1010·7	..	31·3	19·2	9·7	12·4	29	..	2·2	..	12·6	0	3	25	2	13	9	4	0	0	0	0	2
Porbandar (Aerodrome)	0830	7	1015·1	1014·3	+0·6	23·8	18·0	12·9	16·0	56	−7	1·4	+0·5	8·1	0	3	23	10	6	2	3	0	0	0	5	4
	1130	,,	1015·1	1014·3	..	31·2	19·5	9·7	13·2	31	..	1·2	..	14·3	0	8	22	5	15	5	0	0	1	2	2	0
	1730	,,	1011·9	1011·1	..	30·0	20·4	12·9	16·2	40	..	2·0	..	17·5	0	8	22	3	4	2	2	1	2	12	4	0
Keshod	0830	51	1015·0	1009·0	..	21·7	15·6	9·9	12·8	51	..	1·1	..	11·4	0	2	28	3	22	5	0	0	0	0	0	0
	1130	,,	1014·8	1009·0	..	30·5	18·5	8·2	11·5	28	..	1·0	..	17·5	0	13	17	5	17	5	0	0	1	2	0	0
	1730	,,	1011·4	1005·7	..	32·2	18·7	6·8	10·6	24	..	1·6	..	15·6	0	8	22	8	7	2	0	2	2	7	2	0
Mahuva	0830	9	1013·6	1012·6	..	22·6	17·9	14·4	16·7	61	..	1·1	..	1·2	0	0	18	9	7	0	0	1	1	0	0	12
	1730	,,	1011·2	1010·2	..	30·3	22·1	17·3	20·0	48	..	3·3	..	3·8	0	0	25	0	3	9	10	2	1	0	0	5
Veraval	0230	8	1012·8	1011·9	..	21·3	17·0	13·5	15·9	64	..	0·6	..	4·1	0	1	29	16	13	0	0	0	0	0	1	0
	0530	,,	1012·6	1011·7	..	20·6	15·9	11·8	14·3	61	..	0·7	..	13·2	0	3	27	14	15	0	0	0	0	0	1	0
	0830	,,	1014·5	1013·6	+0·6	23·6	17·3	11·9	14·7	52	0	1·8	+0·7	14·2	0	4	26	13	15	1	0	0	0	0	1	0
	1130	,,	1014·6	1013·7	..	32·0	20·5	12·0	14·7	33	..	1·4	..	17·9	0	13	15	2	9	5	3	0	0	5	4	2
	1430	,,	1012·0	1011·1	..	30·5	23·5	19·5	22·7	55	..	2·0	..	17·8	0	13	17	1	3	1	3	5	5	9	3	0
	1730	,,	1011·6	1010·7	..	28·2	23·5	21·1	25·0	66	..	2·7	..	16·3	0	9	21	1	1	1	4	6	4	8	5	0
	2030	,,	1013·5	1012·6	..	25·7	21·8	19·5	22·9	70	..	1·4	..	8·9	0	1	26	3	3	3	3	1	2	5	7	3
	2330	,,	1013·9	1013·0	..	22·5	18·2	15·0	17·4	65	..	0·9	.	8·7	0	1	28	13	13	1	0	0	1	0	1	1
Konkan (including Goa)																										
Dahanu	0830	5	1015·7	1013·2	+0·8	23·5	19·4	16·6	19·3	66	4	0·7	−1·3	7·0	0	0	29	0	2	14	11	2	0	0	0	1
	1730	,,	1011·0	1010·5	..	29·2	25·0	23·0	28·3	70	..	0·5	..	16·3	0	5	25	22	1	1	0	0	0	0	6	0
Bombay (Santacruz)	0230	14	1011·7	1010·0	..	22·8	19·3	16·9	19·5	71	..	1·1	..	3·9	0	0	16	0	8	6	1	0	0	0	1	14
	0530	,,	1011·7	1010·1	..	22·2	18·5	15·9	18·3	69	..	0·9	..	3·9	0	0	16	2	10	3	1	0	0	0	0	14
	0830	,,	1013·9	1012·2	+0·5	26·1	19·8	15·4	17·9	54	−6	2·0	10·2	5·5	0	0	20	1	3	14	2	0	0	0	0	10
	1130	,,	1013·5	1011·9	..	32·5	21·0	13·3	15·5	33	..	2·0	..	9·4	0	5	21	2	10	6	8	0	0	0	0	4
	1430	,,	1010·7	1009·0	..	33·2	22·7	16·3	19·0	38	..	2·1	..	12·1	0	1	27	1	5	1	1	0	1	7	12	2
	1730	,,	1010·5	1006·9	..	30·0	22·6	18·3	21·4	51	..	2·4	..	11·5	0	1	28	9	0	2	0	0	0	0	18	1
	2030	,,	1012·4	1010·8	..	26·8	21·8	18·9	22·0	63	..	1·2	..	8·1	0	0	21	12	3	0	0	0	0	0	6	9
	2330	,,	1012·8	1011·1	..	24·0	20·1	17·7	20·4	69	..	0·9	..	3·2	0	0	13	0	9	3	0	0	0	0	1	17
Bombay	0830	11	1013·7	1012·5	+0·4	25·1	21·6	19·5	22·9	72	−1	2·0	+0·2	8·5	0	2	28	5	11	12	1	0	0	0	1	0
	1130	,,	1013·6	1012·4	..	30·5	22·7	18·3	21·3	49	..	2·0	..	7·5	0	1	28	1	9	10	6	0	0	0	2	1
	1730	,,	1010·5	1009·3	..	28·9	24·2	22·0	26·3	67	..	2·2	..	11·9	0	2	28	5	1	0	0	0	0	4	20	0
Alibag	0830	7	1013·7	1012·9	+0·7	24·7	20·4	18·0	20·5	65	−2	1·9	−0·4	4·8	0	0	27	5	7	12	1	0	0	1	1	3
Bhira	0830	96	1013·3	1002·3	..	24·4	18·4	13·6	16·3	56	..	1·7	..	4·3	0	0	17	1	5	0	9	0	1	0	1	13
	1730	,,	1009·3	998·6	..	30·2	22·2	17·5	20·2	47	..	1·4	..	0·8	0	0	12	0	0	0	4	2	6	0	0	18
Harnai	0830	20	1019·0	1010·7	+0·7	27·7	22·5	19·6	22·9	62	+2	3·2	10·8	11·8	0	8	14	4	2	12	3	0	1	0	0	8
	1730	,,	1009·7	1007·4	..	29·6	26·2	24·9	31·3	78	..	3·0	..	21·5	0	16	14	16	1	0	0	0	0	1	12	0
Ratnagiri	0830	35	1012·6	1008·6	0·0	25·8	20·7	17·3	20·2	61	..	1·8	..	6·5	0	0	26	0	1	13	12	0	0	0	0	4
	1730	,,	1009·6	1005·7	..	30·7	24·5	21·4	25·6	58	..	1·9	..	7·7	0	0	30	0	0	0	0	0	2	16	12	0
Devgarh	0830	36	1012·8	1008·7	+0·3	25·6	21·2	18·5	21·6	65	−6	2·9	−0·2	8·8	0	0	28	0	1	27	0	0	0	0	0	2
	1730	,,	1009·5	1005·5	..	31·1	24·7	21·7	25·9	59	..	3·1	..	19·4	0	16	13	0	0	1	0	0	2	2	24	1
Vengurla	0230	,,	1011·4	1010·4	..	23·1	21·5	20·7	24·4	86	..	1·6	..	0·7	0	0	5	5	0	0	0	0	0	0	0	25
	0530	,,	1011·1	1010·1	..	21·7	20·5	19·8	23·[illegible]	89	..	1·2	..	2·4	0	0	13	9	0	2	0	0	0	1	1	17
	0830	,,	1013·3	1012·3	10·5	24·8	21·4	19·4	22·7	73	−1	1·7	−1·1	1·7	0	0	11	6	2	3	0	0	0	0	0	19
	1130	,,	1012·8	1011·8	..	33·1	22·6	16·3	18·8	38	..	2·0	..	7·9	0	1	26	1	4	8	7	4	2	1	0	3
	1730	,,	1009·8	1008·8	..	30·5	24·3	21·3	25·3	58	..	3·2	..	7·7	0	1	28	0	0	0	1	1	4	22	1	1
	2330	,,	1023·3	1011·9	..	24·1	22·5	21·4	25·9	84	..	2·3	..	2·3	0	0	15	14	0	0	0	0	0	0	1	0	15
Panjim	0530	60	1010·8	1005·9	..	23·4	21·6	20·5	24·3	85	..	2·3	..	5·6	0	0	26	0	9	14	3	0	0	0	0	4
	0830	,,	1012·9	1006·1	..	24·7	21·5	19·7	22·9	74	..	3·6	..	5·9	0	0	23	0	9	13	1	0	0	0	0	7
	1130	,,	1012·6	1005·9	..	31·6	22·7	17·6	20·2	44	..	3·5	..	7·4	0	1	25	0	4	12	8	1	0	1	0	4
	1430	,,	1009·6	1003·0	..	33·1	23·6	18·4	21·3	43	..	4·1	..	(b) 13·3	0	4	24	0	3	4	3	2	8	9	0	1

(b) Mean of 29 days.

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres.	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind Speed (Km. p.h): 62 or more	Wind Speed (Km. p.h): 20 to 61	Wind Speed (Km. p.h): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Konkan (Including Goa)—*Contd.*																											
Panjim—*contd*	1730	60	1009·3	1002·6	..	30·5	24·0	20·6	24·4	57	..	4·1	..	(b) 11·6	0	0	29	0	2	0	0	0	3	21	4	0	0
	2030	,,	1011·6	1001·8	..	27·6	23·7	21·8	26·1	71	..	3·2	..	(b) 1·9	*	0	10	4	5	0	0	0	0	0	1	20	0
	2330	,,	1012·0	1005·2	..	26·0	23.3	21·9	26·3	78	..	3·1	..	(b) 4·3	0	0	25	3	11	11	1	0	0	0	0	4	0
Marmugao	0530	62	1010·3	1003·3	..	25·1	21·9	19·9	23·7	74	..	2·1	..	10·3	0	0	30	0	9	20	1	0	0	0	0	0	0
	0830	,,	1012·4	1005·4	..	27·2	23·3	19·5	22·9	64	..	3·1	..	9·6	0	0	30	0	12	16	2	0	0	0	0	0	0
	1130	,,	1012·1	1005·2	..	31·0	22·6	17·7	20·5	46	..	3·2	..	10·1	0	1	29	3	10	9	1	1	1	3	2	0	0
	1730	,,	1008·8	1001·9	..	30·0	24·1	21·0	25·2	59	..	4·0	..	13·7	0	3	27	0	0	2	0	1	6	18	3	0	0
Dabolim (Naval Air Station)	0530	52	1011·1	1005·1	..	24·1	21·3	19·7	22·9	77	..	2·9	..	7·1	0	0	20	0	18	2	0	0	0	0	0	10	0
	0830	,,	1013·1	1007·3	..	27·0	21·8	18·7	21·8	62	..	4·3	..	11·7	0	2	21	1	18	4	0	0	0	0	0	7	0
	1130	,,	1012·7	1007·0	..	31·7	22·6	17·0	20·0	44	..	3·9	..	16·3	0	7	23	1	12	7	5	2	3	0	0	0	0
	1730	,,	1009·5	1003·7	..	30·6	23·8	20·3	24·0	55	..	4·4	..	19·6	0	11	19	2	2	0	0	1	14	10	1	0	0
	2330	,,	1012·0	1006·2	..	26·7	23·4	21·7	25·9	74	..	3·5	..	10·3	0	0	24	15	8	0	0	0	0	0	1	6	0
Madhya Maharashtra																											
Nandurbar	0830	206	1015·5	992·0	..	24·8	16·9	10·6	12·9	42	..	0·8	..	5·7	0	0	27	1	0	25	0	0	1	0	0	3	0
	1730	,,	1011·1	988·3	..	31·3	20·6	13·2	15·6	34	..	1·4	..	2·1	0	0	16	5	0	8	0	1	0	1	1	14	0
Jalgaon	0830	201	1016·3	993·0	+1·3	20·0	13·5	7·2	10·3	44	−1·7	1·8	+0·1	7·6	0	0	26	1	2	13	8	1	0	1	0	4	0
	1730	,,	1011·4	989·0	..	31·8	18.4	7·0	10·3	22	..	1·9	..	8·7	0	0	25	0	1	11	5	3	3	2	0	5	0
Mategaon	0830	437	1015·9	966·0	+0·5	19·7	14·0	8·7	11·4	50	−8	2·0	+0·1	3·9	0	0	29	6	2	1	0	0	1	6	13	1	0
	1730	,,	1010·6	962·6	..	30·2	18·3	8·3	11·4	27	..	2·6	..	6·6	0	0	29	9	8	8	0	0	1	1	2	1	0
Ozar	0830	608	1015·3	947·0	..	20·9	17·2	14·8	16·9	70	..	(f) 1·3	..	(f) 5·8	0	1	22	6	7	5	2	1	0	0	2	2	0
	1130	,,	(g) 1013·4	(g) 946·9	..	28·1	19·0	13·1	15·3	41	..	(g) 1·5	..	(g) 17·0	0	9	15	0	5	6	12	1	0	0	0	0	0
	1730	,,	1009·9	943·8	..	29·6	19·8	12·8	15·9	38	..	(g) 2·0	..	(g) 9·3	0	2	22	2	4	7	8	3	0	0	0	0	0
Ahmadnagar	0830	657	1015·7	942·2	+0·8	21·3	15·0	10·4	12·5	50	−9	2·9	+1·1	2·5	0	0	18	1	2	0	2	3	4	1	5	12	0
	1730	,,	1010·0	938·8	..	29·2	18·6	11·4	13·7	37	..	3·1	..	7·5	0	0	24	1	19	0	3	0	1	0	0	6	0
Poona (Aerodrome)	0230	593	1013·2	946·3	..	19·7	14·8	10·9	13·3	58	..	1·1	..	3·5	0	0	15	0	2	5	1	0	0	5	2	15	0
	0530	,,	1013·5	946·4	..	18·4	14·3	10·9	13·3	64	..	1·2	..	3·4	0	0	13	0	5	4	0	0	1	3	0	17	0
	0830	,,	1015·2	948·4	..	20·6	15·3	11·2	13·6	55	..	2·5	..	4·3	0	1	12	0	3	9	0	0	1	0	0	17	0
	1130	,,	1013·3	948·2	..	28·4	18·0	10·8	13·0	33	.	2·5	..	16·9	0	11	19	0	2	22	5	1	0	0	0	0	0
	1730	,,	1009·1	944·1	..	30·2	18·1	8·1	10·9	27	..	2·6	..	13·6	0	5	22	0	5	17	2	2	0	0	0	3	1
	2330	,,	1013·6	947·1	..	21·8	15·7	11·2	13·4	51	..	1·2	..	7·2	0	0	22	0	3	7	0	0	0	9	2	8	1
Poona	0530	559	1014·6	950·4	..	15·2	12·7	10·6	12·9	75	..	0·9	..	0	0	0	1	0	0	1	0	0	0	0	0	29	0
	0830	,,	1015·6	952·5	+0·7	21·0	16·0	12·3	14·6	59	−6	2·1	+0·2	0·2	0	0	2	0	0	1	1	0	0	0	0	28	0
	1130	,,	1013·1	941·8	..	28·7	19·2	13·3	15·3	39	..	2·3	..	5·5	0	0	26	0	3	18	5	0	0	0	0	4	0
	1430	,,	1009·5	948·9	..	30·8	19·5	12·2	14·4	33	..	2·6	..	5·5	0	0	27	3	4	13	7	0	0	0	0	3	0
	1730	,,	1009·5	948·6	..	29·5	19·0	12·2	14·3	35	..	2·4	..	1·4	0	0	9	0	1	7	1	0	0	0	0	21	0
	2030	,,	1013·1	950·7	..	23·2	16.8	12·3	14·5	51	..	1·1	..	0·7	0	0	3	1	0	2	0	0	0	0	0	27	0
	2330	,,	1014·3	951·1	..	19·5	14·8	11·1	13·4	59	..	0·7	..	0·2	0	0	2	0	0	1	0	0	0	1	0	28	0
Ieur	0830	531	1015·2	956·4	+0·1	21·4	15·0	10·0	12·4	49	−12	2·8	+0·6	2·4	0	1	15	2	6	6	1	0	0	1	0	14	0
	1730	,,	1009·1	952·5	..	30·8	18·3	9·3	11·6	27	..	2·7	.	8·3	0	0	29	0	10	19	3	0	0	1	1	1	0
Baramati.	0830	554	1015·5	953·5	+0·5	20·8	15·4	11·4	13·6	55	−12	1·8	−0·9	3·9	0	0	22	4	2	10	2	1	1	0	2	8	0
	1730	,,	1009·4	949·6	..	30·3	19·2	11·9	14·1	33	..	2·1	..	8·4	0	0	30	3	2	11	9	4	1	1	0	0	0
Sholapur.	0530	479	1013·5	959·3	..	20·0	14·6	10·3	12·7	54	..	0·7	..	5·7	0	0	25	1	11	6	6	0	0	0	1	5	0
	0830	,,	1015·3	961·6	+1·2	24·2	17·6	13·1	15·3	51	−6	1·7	−0·5	7·7	0	0	30	0	18	1	9	0	1	0	1	0	0
	1130	,,	1013·3	560·6	..	29·4	19·5	13·1	15·5	38	..	2·8	..	10·4	0	1	29	0	13	4	12	0	1	0	0	0	0
	1730	,,	1009·6	957·4	..	30·7	18·7	10·2	12·9	30	..	2·1	..	8·0	0	2	28	3	11	12	4	0	0	0	0	0	0
	2330	,,	1013·4	959·8	..	23·7	15·9	9·5	12·3	42	..	1·1	..	10·3	0	1	28	0	7	16	6	0	0	0	0	1	0
Miraj	0830	554	1014·7	952·7	+0·8	22·6	16·9	12·9	15·1	55	−7	3·3	+0·5	..	..	..	..	0	0	9	0	0	0	0	0	21	0
	1730	,,	1008·9	948·8	..	30·6	19·5	12·5	14·5	34	..	3·8	..	..	..	..	..	0	0	17	0	0	0	0	1	12	0
Kolhapur	0530	570	1013·0	948·6	..	18·7	15·4	13·0	15·1	70	..	1·0	..	4·3	0	1	21	0	1	19	0	0	0	0	0	9	1
	0830	,,	1014·3	950·7	+0·6	22·6	16·7	12·5	14·7	51	−13	1·6	−0·3	4·8	0	0	21	0	0	21	0	0	0	0	0	9	0
	1130	,,	1012·5	950·2	..	28·6	19·4	13·7	15·8	41	..	2·2	..	13·0	0	7	23	0	1	25	4	0	0	0	0	0	0
	1730	,,	1008·5	946·7	..	30·1	19·2	12·1	14·3	34	..	2·7	..	10·3	0	1	29	0	3	27	0	0	0	0	0	0	0
	2330	,,	1012·8	949·3	..	22·7	17·1	13·2	15·5	50	..	1·8	..	6·5	0	0	27	0	0	11	5	1	2	8	0	3	0
Marathwada																											
Aurangabad	0830	581	1015·8	950·8	+0·5	23·0	15·0	8·6	11·2	41	−13	2·0	−0·3	2·9	0	0	17	1	0	16	0	0	0	0	0	13	0
	1730	,,	1010·4	947·2	..	29·7	17·3	7·8	10·7	26	..	1·9	..	3·3	0	0	22	6	6	10	0	0	0	0	0	8	0
Aurangabad (Chikalthan)	0230	579	1014·3	948·2	..	16·4	10·4	4·2	8·3	44	..	0·9	..	0·3	0	0	1	1	0	0	0	0	0	0	0	29	0

(b) Mean of 29 days. (g) Mean of 24 days. (f) Mean of 25 days. *Estimated.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure form normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 10	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Marathwada—(*Contd.*)																										
Aurangabad (Chikalthan)—(*Contd.*)	0530	579	1015·0	948·4	..	14·8	9·7	4·5	8·4	50	..	0·9	..	0·4	0	0	1	0	0	1	0	0	0	0	0	29
	0830	,,	1015·4	950·5	..	22·4	14·3	7·5	10·4	39	..	1·7	..	1·8	0	0	24	0	1	4	1	0	0	0	0	6
	1130	,,	1013·9	950·3	..	28·3	18·5	7·1	10·2	27	..	1·6	..	1·4	0	2	28	0	5	14	7	1	3	0	0	0
	1430	,,	1010·2	947·3	..	30·3	17·0	6·1	9·7	23	..	2·2	..	12·7	0	1	28	3	10	9	4	0	0	2	1	1
	1730	,,	1010·1	947·0	..	29·5	16·5	5·6	9·3	23	..	2·1	..	9·7	0	0	26	4	8	11	2	0	1	0	0	4
	2030	,,	1013·8	949·0	..	22·5	13·6	5·9	9·1	34	..	0·8	..	1·5	0	0	4	0	2	2	0	0	0	0	0	26
	2330	,,	1014·9	949·2	..	18·5	11·6	5·0	8·7	41	..	0·9	..	0·7	0	0	2	1	1	0	0	0	0	0	0	28
Parbhani	0830	423	1016·4	968·3	+1·7	21·2	14·7	8·8	11·5	45	—13	2·3	—0·1	2·3	0	0	18	1	8	4	3	1	0	0	1	12
	1730	,,	1011·2	964·7	..	29·6	17·8	8·0	10·8	20	..	2·8	..	3·6	0	0	25	1	13	9	2	0	0	0	0	5
Nander	0830	358	1015·7	975·0	..	22·8	16·7	12·0	14·1	51	..	0·9	..	2·0	0	0	13	2	4	1	2	0	0	4	1	16
	1730	,,	1011·0	971·5	..	29·8	19·0	11·1	13·2	31	..	1·9	..	3·9	0	0	19	0	12	3	4	0	1	1	0	9
Bir	0830	519	1016·4	957·7	..	20·9	15·9	12·4	14·5	57	..	1·9	..	2·7	0	0	20	0	8	0	4	1	6	0	1	10
	1730	,,	1010·9	954·1	..	28·9	18·8	12·0	14·3	35	..	1·9	..	5·6	0	0	26	1	21	0	3	0	0	0	1	4
Vidarbha Gondia	0830	313	1017·0	981·0	+0·9	20·6	15·8	12·1	14·1	59	—11	0·9	—0·8	0·9	0	0	13	3	4	2	0	1	1	0	2	17
	1730	,,	1012·6	977·6	..	27·5	18·7	12·3	14·4	39	..	1·2	..	0·8	0	0	10	7	2	1	0	0	0	0	0	20
Nagpur (Sonegaon)	0230	310	1014·4	978·4	..	17·2	13·2	9·6	12·0	62	..	0·5	..	2·3	0	0	19	10	1	1	0	0	0	0	7	11
	0530	,,	1015·1	978·9	..	15·5	12·5	9·6	12·0	69	..	0·7	..	2·5	0	0	17	9	1	1	9	0	0	0	6	13
	0830	,,	1016·8	981·2	+1·0	21·2	15·5	10·7	12·9	52	—4	1·3	—0·7	2·6	0	0	24	11	10	1	0	0	0	0	2	6
	1130	,,	1014·9	980·3	..	29·1	18·3	9·6	12·2	31	..	1·6	..	5·4	0	0	23	0	6	9	5	1	1	1	0	7
	1430	,,	1011·7	977·4	..	30·5	18·4	8·8	11·3	26	..	1·9	..	5·0	0	0	22	4	6	7	0	1	0	0	3	8
	1730	,,	1012·1	977·5	..	27·1	17·8	10·6	12·9	36	..	2·1	..	2·3	0	0	17	0	3	8	4	2	0	0	0	13
	2030	,,	1014·9	979·3	..	20·7	15·1	10·4	12·6	52	..	1·1	..	2·3	0	0	18	2	3	6	4	2	1	0	0	12
	2330	,,	1015·2	979·4	..	18·6	14·1	10·2	12·4	59	..	0·7	..	2.1	0	0	17	5	3	1	0	0	0	1	7	13
Amraoti	0830	370	1016·2	974·3	+1·0	23·3	14·9	7·0	10·1	36	—14	1·0	—0·8	5·3	0	0	29	1	19	8	0	1	0	0	0	1
	1730	,,	1011·6	970·7	..	29·5	17·4	6·9	10·1	25	..	1·7	..	3·6	0	0	27	3	3	8	8	1	1	1	2	3
Akola Aerodrome	0530	309	1013·9	978·0	..	17·0	13·3	5·2	8·8	46	..	0·6	..	10·2	0	0	30	3	6	15	4	0	2	0	0	0
	0830	,,	1015·7	980·3	..	21·1	13·6	6·2	9·5	38	..	1·6	..	8·2	0	0	29	3	12	10	2	1	1	0	0	1
	1130	,,	1014·3	979·8	..	28·9	17·5	7·8	10·8	27	..	1·6	..	10·1	0	0	30	4	8	8	1	1	6	1	1	0
	1730	,,	1010·6	976·4	..	30·0	17·1	5·3	9·3	21	..	1·9	..	8·1	0	0	28	3	11	7	2	0	0	2	3	2
	2330	,,	1013·7	978·4	..	21·5	13·4	5·1	8	35	..	0·8	..	10·1	0	0	30	4	7	9	6	3	0	0	1	0
Akola	0830	282	1016·3	983·9	+0·9	20·6	14·4	8·8	11·3	47	—10	1·6	—0·2	0·7	0	0	11	0	6	3	2	0	0	0	0	19
	1730	,,	1011·0	979·8	..	30·6	18·7	9·4	11·9	27	..	2·1	..	0·7	0	0	10	0	2	8	0	0	0	0	0	20
Bramhapuri	0830	229	1016·7	990·3	..	20·5	16·2	12·9	14·9	62	..	1·3	..	1·9	0	0	23	9	7	5	1	1	0	0	0	7
	1730	,,	1012·2	986·6	..	28·6	18·4	15·3	12·9	33	..	1·8	..	4·1	0	0	28	7	11	6	1	1	0	0	2	2
Buldana	0830	650	1015·3	942·8	+0·9	22·3	14·5	8·1	10·8	40	—16	1·8	—0·5	9·6	0	0	27	0	0	4	8	9	6	0	0	3
	1730	,,	1010·6	939·8	..	28·3	16·5	7·1	10·1	27	..	2·4	..	4·2	0	0	30	7	13	2	2	0	2	1	3	0
Yeotmal	0830	451	1015·3	964·5	+0·4	23·2	15·2	8·2	10·8	39	—13	1·8	—0·4	6·0	0	0	27	4	2	16	2	2	0	1	0	3
	1730	,,	7011·2	961·4	..	28·1	16·7	6·4	9·7	26	..	2·3	..	5·5	0	0	30	10	6	14	0	0	0	0	0	0
Chanda	0830	193	1016·1	993·7	+0·6	19·9	16·1	13·2	15·3	66	—4	1·7	—0·4	2·3	0	0	25	2	3	3	1	3	2	2	9	5
	1730	,,	1011·8	990·1	..	28·7	19·3	12·8	14·7	38	..	2·2	..	3·0	0	0	29	1	9	13	3	1	1	1	0	1
Pusad	0830	334	..	..	..	..	..	..	..	..	..	0	..	4·1	0	0	19	3	7	1	0	0	1	0	7	11
	1730	,,	..	..	..	..	..	..	..	..	..	0·6	..	8·9	0	0	28	0	21	0	4	0	0	0	3	2
Sironcha	0830	123	1016·6	1002·3	+1·1	22·1	17·8	14·9	16·9	63	—14	1·4	—1·1	2·1	0	0	27	4	11	0	7	0	1	0	4	3
	1730	,,	1012·1	998·2	..	29·2	20·3	14·4	16·5	41	..	2·6	..	3·0	0	0	26	0	16	1	4	0	0	0	2	4
Coastal Andhra Pradesh																										
Kalingapatam	0830	6	1016·1	1015·4	+1·8	24·2	21·1	19·2	22·4	74	—5	2·8	—0·1	6·9	0	0	29	5	3	1	2	3	2	0	12	1
	1730	,,	1012·9	1012·2	..	26·5	23·1	21·2	25·5	73	..	2·8	..	11·8	0	5	25	4	8	5	4	3	0	0	0	0
Vishakhapatnam	0230	3	1013·3	10·2·9	..	22·6	20·9	19·9	23·2	85	..	1·8	..	2·1	0	0	9	3	2	0	1	0	0	0	3	21
	0530	,,	1013·8	1013·4	..	21·9	20·2	19·2	22·4	85	..	2·7	..	2·1	0	0	8	4	1	1	0	0	0	0	2	22
	0830	,,	1015·7	1015·3	+1·5	26·4	22·0	14·5	22·8	67	+1	3·2	—0·5	4·4	0	0	19	1	11	3	0	0	0	1	3	11
	1130	,,	1014·7	1014·3	..	29·6	22·4	18·3	21·1	52	..	4·2	..	9·7	0	1	26	0	13	8	4	1	0	1	0	3
	1430	,,	1012·1	1011·7	..	29·8	22·4	10·2	21·0	52	..	3·7	..	14·9	0	6	23	0	1	15	11	1	1	0	0	1
	1730	,,	1012·8	1012·4	..	26·6	22·0	19·4	22·7	65	..	3·4	..	11.3	0	2	27	0	0	17	11	0	1	0	0	1
	2030	,,	1014·7	1014·3	..	24·9	21·8	20·1	23·5	75	..	2·0	..	5·7	0	0	18	0	3	10	4	0	0	0	1	12
	2330	,,	1014·6	1014·2	..	23·4	21·4	20·3	23·8	83	..	2·4	..	1·1	0	0	5	0	1	2	1	0	0	0	1	25
Kakinada	0830	8	1015·4	1014·5	+1·5	27·2	23·6	21·7	26·1	73	0	2·8	—0·8	13·0	0	3	27	0	30	0	0	0	0	0	0	0
	1730	,,	1012·2	1011·3	..	27·7	23·5	21·3	25·5	69	..	3·3	..	13·0	0	4	25	0	19	2	8	0	0	0	0	1

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud-amount (Oktas): Mean amount	Cloud-amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. ph.): 62 or more	Wind speed (Km. ph.): 20 to 61	Wind speed (Km. ph.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Coastal Andhra Pradesh—(*Contd.*)																											
Nidadavole	0830	12	1015·3	1013·8	..	24·5	21·4	19·7	22·9	75	..	2·7	..	5·5	0	0	29	14	14	1	0	0	0	0	0	1	0
	1730	,,	1011·6	1010·2	..	27·8	22·5	19·6	22·9	62	..	1·7	..	8·9	0	0	29	0	2	9	18	0	0	0	0	1	0
Rentachintala	0830	106	1015·4	1003·3	..	25·3	21·1	18·7	21·6	68	−4	2·9	−1·8	0·3	0	0	5	0	0	4	0	0	0	1	0	25	0
	1730	,,	1010·8	999·0	..	30·8	21·1	15·4	17·5	40	..	3·8	..	0·3	0	0	5	1	0	1	0	1	0	2	0	25	0
Gaunavaram	0230	24	1012·5	1009·7	..	22·6	21·3	20·5	24·3	89	..	1·9	..	6·1	0	0	23	11	5	6	0	0	0	0	1	7	0
	0530	,,	1013·2	1010·4	..	22·1	20·8	20·0	23·5	88	..	2·7	..	6·0	0	0	24	9	5	10	0	0	0	0	0	6	0
	0830	,,	1015·3	1012·5	+2·0	26·7	22·3	19·8	23·4	67	−6	2·7	−0·7	12·1	0	0	30	3	7	20	0	0	0	0	0	0	0
	1130	,,	1014·1	1011·4	..	30·2	23·1	19·1	22·4	53	..	3·9	..	14·1	0	3	27	0	2	23	5	0	0	0	0	0	0
	1430	,,	1011·0	1008·3	..	31·3	22·4	17·1	19·7	44	..	4·2	..	13·5	0	1	29	2	2	23	3	0	0	0	0	0	0
	1730	,,	1011·9	1009·2	..	27·9	22·7	19·9	23·4	63	..	4·2	..	11·0	0	0	30	0	0	23	6	1	0	0	0	0	0
	2030	,,	1014·1	1011·3	..	24·6	22·1	20·8	24·6	80	..	2·9	..	7·7	0	0	27	0	0	23	4	0	0	0	0	3	0
	2330	,,	1014·0	1011·2	..	23·4	21·6	20·7	24·3	85	..	2·8	..	6·1	0	0	25	7	3	14	1	0	0	0	0	5	0
Nagarjunakonda†	0830	126																									
	1730	,,																									
Masulipatam	0830	3	1015·0	1014·7	+1·2	25·3	22·3	20·6	24·4	76	−2	4·7	+1·6	4·2	0	0	29	5	15	9	0	0	0	0	0	1	0
	1730	,,	1012·0	1011·7	..	27·6	23·3	21·1	25·0	68	..	6·3	..	6·0	0	0	30	0	1	25	4	0	0	0	0	0	0
Ongole	0830	12	1014·7	1013·5	..	26·8	23·8	22·3	27·1	73	..	4·0	..	3·1	0	0	30	3	25	0	0	0	1	1	0	0	0
	1730	,,	1011·5	1010·3	..	28·2	24·4	22·4	27·4	72	..	3·0	..	4·0	0	0	30	0	14	15	1	0	0	0	0	0	0
Nellore	0530	20	1012·4	1010·1	..	23·1	22·5	22·3	26·7	95	..	5·6	..	1·7	0	0	14	0	11	2	0	0	0	0	1	16	0
	0830	,,	1014·2	1011·9	+1·0	25·1	23·9	23·1	28·6	88	+5	5·8	+0·8	3·7	0	0	25	2	5	0	0	0	0	0	18	5	0
	1130	,,	1013·7	1011·5	..	28·4	25·1	23·6	29·3	76	..	5·7	..	4·3	0	0	30	3	15	3	0	0	0	0	9	0	0
	1730	,,	1011·5	1009·2	..	27·3	24·9	23·7	29·5	81	..	5·9	..	6·3	0	0	30	0	25	0	0	0	0	0	5	0	0
	2330	,,	1013·4	1011·2	..	24·6	23·4	22·8	27.7	90	..	4·8	..	1·8	0	0	19	1	15	2	0	0	0	0	1	11	0
Telengana																											
Ramagundam	0830	156	1015·8	997·7	+0·8	22·3	17·7	14·6	16·5	63	−4	1·7	−0·9	1·2	0	0	11	5	3	0	1	1	0	1	0	19	0
	1730	,,	1011·5	994·0	..	30·2	30·3	13·7	15·8	37	..	2·4	..	2·5	0	0	29	5	20	3	0	1	0	0	0	1	0
Nizamabad	0830	381	1015·7	972·5	+1·3	22·4	17·4	13·7	15·8	58	−10	1·3	−0·4	0·3	0	0	3	2	0	0	0	1	0	0	0	27	0
	1730	,,	1011·3	969·2	..	29·0	19·4	12·6	14·7	36	..	1·7	..	3·3	0	0	23	11	3	9	0	0	0	0	0	7	0
Hanamkonda	0830	269	1015·1	984·6	+0·4	24·1	19·8	17·1	19·5	66	−3	1·8	−1·3	1·5	0	0	22	3	0	0	2	11	3	3	0	8	0
	1730	,,	1011·8	981·6	..	29·5	19·7	12·8	15·0	36	..	1·3	..	1·9	0	0	29	20	8	0	1	0	0	0	0	1	0
Hakimpet aerodrome.	0530	613	1013·5	944·6	..	19·5	17·2	15·6	17·9	79	..	2·8	..	7·8	0	1	26	1	4	10	9	3	0	0	0	3	0
	0830	,,	1014·5	946·3	..	23·4	19·3	16·8	19·4	68	..	4·6	..	11·4	0	0	29	0	4	5	17	3	0	0	0	1	0
	1130	,,	1013·1	946·1	..	27·7	19·8	14·9	17·4	47	..	4·6	..	16·5	0	6	24	0	5	17	8	0	0	0	0	0	0
	1730	,,	1010·7	943·6	..	27·0	19·0	14·1	16·1	46	..	4·3	..	11·5	0	0	29	0	9	15	5	0	0	0	0	1	0
	2330	,,	1013·9	945·4	..	21·5	17·4	14·7	16·9	65	..	2·4	..	9·4	0	0	28	0	12	10	6	0	0	0	0	2	0
Bhadrachalam	0830	111	1015·1	1002·4	+0·1	24·2	20·6	18·4	21·3	71	−8	2·8	−0·6	1·6	0	0	24	0	24	0	0	0	0	0	0	6	0
	1730	,,	1011·1	998·7	..	29·9	21·1	15·7	17·8	42	..	3·5	..	2·0	0	0	30	0	30	0	0	0	0	0	0	0	0
Hyderabad (Begampet)	0230	545	1013·6	952·0	..	18·9	16·2	14·3	16·5	75	..	1·3	..	2·5	0	0	13	2	2	5	4	0	0	0	0	17	0
	0530	,,	1014·2	952·3	..	17·6	15·8	14·6	16·6	83	..	1·8	..	2·5	0	0	14	2	2	7	3	0	0	0	0	16	0
	0830	,,	1015·4	954·4	+1·4	22·6	18·3	15·8	17·8	65	0	4·0	+1·0	5·5	0	1	18	0	1	4	10	3	0	0	1	11	0
	1130	,,	1013·5	953·8	..	28·3	19·5	13·9	16·2	43	..	4·1	..	10·3	0	0	30	1	7	13	7	1	1	0	0	0	0
	1730	,,	1010·7	951·0	..	27·8	18·8	13·0	15·1	41	..	3·9	..	8·2	0	0	30	0	10	10	10	0	0	0	0	0	0
	2330	,,	1014·6	953·2	..	20·5	16·5	13·9	15·9	66	..	2·2	..	4·2	0	0	22	2	15	4	1	0	0	0	0	8	0
Khammam	0830	112	1015·4	1002·5	..	24·5	20·9	18·7	21·8	71	..	3·9 (b)	..	2·3 (b)	0	0	19	4	4	8	3	0	0	0	0	11	0
	1730	,,	1011·3	998·9	..	30·6	21·3	15·6	17·7	40	..	3·4	..	1·7	0	0	23	2	1	14	4	1	0	1	0	6	0
Mahbubnagar	0830	505	1014·5	958·1	..	24·2	19·1	15·9	18·3	61	..	4·2	..	10·2	0	1	27	1	7	18	2	0	0	0	0	2	0
	1730	,,	1010·1	954·7	..	28·3	18·6	12·3	14·3	38	..	4·4	..	7·8	0	0	30	1	9	18	2	0	0	0	0	0	0
Rayala Seema																											
Kurnool	0830	281	1015·1	983·8	+1·4	24·7	20·1	17·3	19·7	64	−7	2·6	−0·4	3·1	0	0	30	0	10	0	3	0	2	4	11	0	0
	1730	,,	1009·9	978·8	..	30·1	20·9	15·0	17·1	42	..	3·2	..	3·5	0	0	28	2	10	0	3	2	5	1	3	2	2
Anantapur	0530	350	1012·4	972·7	..	22·0	18·7	16·5	18·8	72	..	1·3	..	3·1	0	0	20	0	0	20	0	0	0	0	0	10	0
	0830	,,	1014·4	975·0	+1·2	24·7	20·8	18·5	21·3	69	−2	3·4	−0·1	6·0	0	0	19	0	4	14	1	0	0	0	0	11	0
	1130	,,	1012·8	974·0	..	28·7	21·2	16·5	19·0	49	..	4·0	..	11·8	0	3	27	0	11	17	2	0	0	0	0	0	0
	1430	,,	1009·3	970·8	..	30·2	21·3	15·7	18·1	43	..	4·5	..	11·5	0	2	26	0	14	14	0	0	0	0	0	2	0
	1730	,,	1009·4	970·8	..	29·3	21·3	16·2	18·8	47	..	4·0	..	12·0	0	4	23	0	9	18	0	0	0	0	0	3	0
	2030	,,	1012·4	973·3	..	26·3	20·3	16·4	18·9	56	..	2·3	..	10·9	0	4	27	0	3	26	0	0	0	0	0	1	0

†Data not available.

(b) Mean of 29 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or high in k.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Rayala Seema—*Contd.*																											
Anantapur—*Contd.*	2330	350	1013·0	973·6	..	24·7	19·7	16·4	18·9	61	..	1·8	..	13·3	0	4	22	0	0	25	0	0	0	1	0	4	0
Cuddapah	0830	130	1014·8	1000·0	+1·3	25·7	22·2	20·3	23·8	72	−4	3·5	−0·3	1·1	0	0	7	0	0	7	0	0	0	0	0	23	0
	1730	,,	1011·0	996·3	..	28·6	22·9	19·7	23·1	60	..	4·1	..	5·3	0	0	27	0	0	26	1	0	0	0	0	3	0
Arogyavaram	0830	701	1014·4	936·6	..	21·7	19·2	17·8	20·5	79	..	4·3	..	5·5	0	0	30	0	0	0	0	0	0	0	30	0	0
	1730	,,	1009·6	933·1	..	25·6	20·5	17·4	20·4	64	..	6·0	..	6·6	0	0	30	1	23	0	0	0	0	0	6	0	0
Madras State (including Pondicherry)																											
Madras	0830	6	1014·0	1013·3	..	25·9	24·0	23·2	28·4	85	..	6·4	..	5·0	0	0	22	3	10	3	0	0	0	1	5	8	0
	1730	,,	1010·8	1010·1	..	26·6	23·8	22·5	27·3	79	..	5·6	..	6·6	0	0	28	4	16	6	1	0	1	0	0	2	0
Madras (Minambakkam)	0230	16	1011·3	1009·5	..	23·8	23·0	22·5	27·4	93	..	4·5	..	5·5	0	0	26	3	5	0	0	0	1	5	12	4	0
	0530	,,	1011·9	1010·1	..	23·5	22·7	22·3	26·9	93	..	4·9	..	5·3	0	0	24	3	3	1	0	0	0	5	12	6	0
	0830	,,	1014·0	1012·2	+1·0	25·4	23·5	22·6	27·3	85	+2	5·6	+0·8	6·7	0	1	25	12	1	3	0	0	0	0	10	4	0
	1130	,,	1013·1	1011·4	..	27·7	24·1	22·2	27·1	74	..	5·9	..	9·9	0	1	29	17	1	6	0	1	0	1	4	0	0
	1430	,,	1010·5	1008·8	..	28·1	24·0	21·9	26·6	71	..	5·7	..	12·1	0	5	23	11	10	5	0	0	0	1	1	2	0
	1730	,,	1011·2	1009·5	..	26·6	23·6	22·1	26·6	77	..	5·3	..	9·9	0	0	30	7	15	4	0	0	0	0	4	0	0
	2030	,,	1013·3	1011·5	..	25·3	23·4	22·4	27·3	84	..	4·2	..	4·9	0	0	21	10	5	1	0	0	0	1	4	9	0
	2330	,,	1013·1	1011·3	..	24·6	23·3	22·6	27·6	89	..	3·9	..	5·5	0	0	26	13	4	0	0	0	0	0	9	4	0
Vellore	0530	214	1012·6	988·0	..	21·5	20·7	20·2	23·8	92	..	4·3	..	0·2	0	0	1	1	0	0	0	0	0	0	0	29	0
	0830	,,	1014·6	990·1	+1·7	23·3	21·7	20·8	24·7	86	+2	4·9	+0·8	2·5	0	0	14	3	7	0	0	0	0	1	3	16	0
	1130	,,	1013·5	989·4	..	27·2	22·6	20·1	23·7	66	..	5·6	..	6·9	0	0	30	5	18	4	1	1	0	1	0	0	0
	1730	,,	1010·7	986·6	..	26·8	22·2	19·6	22·9	67	..	6·1	..	8·8	0	0	29	0	22	5	2	0	0	0	0	1	0
	2330	,,	1013·8	989·3	..	23·3	21·5	20·5	24·1	85	..	3·9	..	1·1	0	0	5	2	1	1	0	1	0	0	0	25	0
Tambaram (Aerodrome)	0830	29	1013·6	1010·2	..	25·1	23·9	23·2	28·4	90	..	5·9	..	8·6	0	1	23	9	4	1	1	0	0	0	9	6	0
	1730	,,	1010·8	1007·5	..	26·2	23·5	22·2	26·7	80	..	5·9	..	11·8	0	0	27	6	15	4	0	0	0	0	2	3	0
Tiruppattur	0830	390	1013·6	969·5	..	22·2	20·9	20·0	23·8	88	..	7·3	..	2·6	0	0	27	19	1	2	0	4	0	0	1	3	0
	1730	,,	1009·6	966·2	..	25·4	21·4	18·9	22·5	70	..	7·8	..	4·5	0	0	29	13	2	2	7	4	0	0	0	1	1
Mattur dam R.S.	0830	..	..	..	..	25·4	24·2	23·6	29·3	90	..	4·8	..	..	0	..	..	0	16	0	3	0	2	0	9	0	0
	1730	..		..	..	27·7	25·1	23·9	29·7	81	..	5·3	..	..	0	..	..	0	10	0	5	0	5	0	10	0	0
Cuddalore	0530	12	1011·5	1010·1	..	23·4	22·8	22·5	27·3	91	..	5·1	..	0·9	0	0	5	2	2	0	0	0	1	0	0	25	0
	0830	,,	1013·7	1012·3	+1·1	25·4	23·7	22·9	27·9	87	+3	5·9	+1·0	4·6	0	0	25	6	15	0	0	0	1	0	3	5	0
	1130	,,	1013·0	1011·6	..	27·7	24·8	23·4	28·9	78	..	5·9	..	9·5	0	1	29	2	25	1	1	0	1	0	0	0	0
	1730	,,	1010·6	1009.3	..	27·1	24·4	23·0	28·3	79	..	5·4	..	7·5	0	1	26	1	22	2	0	0	0	0	2	3	0
	2330	,,	1012·8	1011·4	..	25·1	23·7	22·9	28·1	88	..	4·7	..	2·3	0	0	12	3	8	0	0	0	0	0	1	18	0
Kallakkurichchi	0830	127	1013·7	999·3	..	25·5	22·7	21·2	25·3	78	..	4·5	..	8·6	0	0	27	0	2	0	0	0	1	0	4	3	0
	1730	,,	1010·2	996·0	..	27·5	23·1	20·8	24·7	70	..	4·7	..	7·3	0	0	28	1	26	0	1	0	0	0	0	2	0
Salem	0530	278	1011·6	980·0	..	22·4	20·4	19·2	22·4	82	..	4·4	..	0·7	0	0	6	0	5	1	0	0	0	0	0	24	0
	0830	,,	1013·6	982·2	+1·0	24·8	21·6	19·5	23·2	73	−5	5·5	+1·3	1·3	0	0	10	1	2	5	1	0	0	1	0	20	0
	1130	,,	1012·2	981·2	..	28·7	22·2	18·5	21·6	55	..	5·8	..	6·3	0	0	29	0	6	14	1	0	0	3	2	1	3
	1730	,,	1009·3	978·4	..	28·0	22·0	18·6	21·6	58	..	5·9	..	7·1	0	0	24	0	6	18	0	0	0	0	0	6	0
	2330	,,	1012·5	981·1	..	24·6	21·2	19·2	22·4	73	..	4·7	..	8·9	0	2	22	0	5	18	1	0	0	0	0	6	0
Coimbatore (Pilamedu)	0530	399	1011·8	966·8	..	22·0	21·4	21·1	25·0	94	..	3·8	..	6·4	0	0	19	6	8	2	0	1	1	0	0	11	1
	0830	,,	1013·9	969·0	..	24·1	22·4	21·6	25·6	86	..	4·7	..	11·8	0	6	20	4	17	3	0	1	0	0	1	4	0
	1130	,,	1012·3	968·1	..	27·6	23·7	21·7	26·1	71	..	5·3	..	14·5	0	5	22	3	17	5	0	0	0	0	0	3	2
	1730	,,	1008·9	965·0	..	28·7	24·2	21·8	26·6	68	..	5·0	..	16·2	0	5	25	2	15	8	0	3	2	0	0	0	0
	2330	,,	1012·7	967·9	..	23·6	22·3	21·6	25·9	89	..	4·1	..	10·2	0	0	25	1	8	8	0	3	2	0	1	5	2
Coimbatore	0830	409	1013·1	967·4	+0·6	24·8	21·4	19·6	22·7	74	−8	5·9	+1·6	7·2	0	0	30	1	14	15	0	0	0	0	0	0	0
Nagapattinam	0830	9	1013·3	1012·2	+1·2	26·5	23·9	22·7	27·4	80	−2	5·4	0	13·6	0	9	19	5	15	1	0	0	0	2	5	2	0
	1730	,,	1010·1	1009·0	..	27·5	24·2	22·5	27·6	75	..	5·9	..	20·1	0	16	13	4	23	2	0	0	0	0	0	1	0
Tiruchchirapalli	0230	88	1010·9	1000·9	..	24·0	22·4	21·6	25·8	87	..	4·7	..	9·3	0	0	23	6	15	0	0	1	0	1	0	7	0
	0530	,,	1011·1	1001·0	..	23·6	22·3	21·6	25·9	89	..	5·1	..	8·3	0	2	17	9	8	1	0	0	0	1	0	11	0
	0830	,,	1013.3	1003·3	+0·6	25·7	23·0	21·7	25·9	78	−3	5·5	+1·0	15·7	0	9	20	14	8	1	0	0	0	3	3	1	0
	1130	,,	1012·4	1002·5	..	28·8	23·8	21·3	25·3	65	..	5·8	..	17·2	0	9	21	9	17	1	0	0	0	1	2	0	0
	1430	,,	1009·3	999·5	..	29·7	23·9	21·0	24·9	61	..	5·9	..	15·1	0	6	23	4	15	5	0	0	0	2	3	1	0
	1730	,,	1009·7	999·8	..	27·8	23·6	21·4	25·6	69	..	6·2	..	12·8	0	1	27	3	13	11	0	0	0	1	0	2	0
	2030	,,	1012·2	1002·3	..	25·8	23·3	22·0	26·6	80	..	4·8	..	12·2	0	2	24	1	14	11	0	0	0	0	0	4	0
	2330	,,	1012·6	1002·5	..	24·6	22·8	21·9	26·3	85	..	4·8	..	11·3	0	2	24	5	17	4	0	0	0	0	0	4	0
Vedaranniyam	0830	4	1012·5	1012·0	..	26·6	24·3	23·3	28·8	83	..	2·8	..	2·7	0	0	29	8	14	0	0	0	2	1	4	1	0
	1730	,,	1009·9	1009·4	..	27·3	24·7	23·5	29·1	80	..	3·8	..	0·4	0	0	30	6	21	1	0	0	2	0	0	0	0

Sub-division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or heighting p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madras State (Including Pondicherry)—(Contd)																											
Atirampattinam	0830	6	1012·7	1012·0	..	26·3	24·3	23·6	28·8	87	..	4·9	..	6·5	0	0	29	9	8	0	0	1	0	0	11	1	0
	1730	,,	1009·9	1009·1	..	27·4	25·1	24·1	29·7	82	..	5·1	..	6·6	0	0	24	4	16	1	0	0	0	0	3	6	0
Madurai	0830	133	1012·4	997·3	0	26·1	22·9	21·3	25·3	75	−5	3·2	−1·9	5·5	0	0	26	20	2	0	0	0	0	1	3	4	0
Madurai Aerodrome	0530	131	1011·1	996·1	..	23·6	22·1	21·4	25·3	88	..	4·4	..	7·2	0	1	21	6	14	0	0	0	1	0	1	8	0
	0830	,,	1013·2	998·3	..	25·8	22·9	21·4	25·6	77	..	5·2	..	10·3	0	1	29	11	15	0	0	0	1	2	1	0	0
	1130	,,	1012·0	997·3	..	28·2	23·5	20·9	25·0	64	..	5·2	..	15·5	0	11	18	4	18	4	1	0	0	1	1	1	0
	1730	,,	1009·4	994·7	..	28·1	23·3	20·7	24·7	66	..	5·5	..	12·3	0	4	23	2	15	7	1	0	1	0	1	3	0
Pondi	0830	5	1013·3	1012·7	..	25·5	23·5	22·5	27·3	83	..	5·2	..	7·5	0	0	26	18	5	1	0	0	0	0	2	4	0
	1730	,,	1010·1	1009·5	..	27·7	24·3	22·8	27·6	75	..	5·3	..	15·5	0	12	18	5	15	9	0	1	0	0	0	0	0
Pamban	0330	11	1012·5	1011·1	+0·6	26·7	24·8	23·9	29·7	85	+2	6·3	+2·3	11·3	0	1	29	15	6	3	2	1	1	1	1	0	0
	1730	,,	1009·7	1008·4	..	27·0	24·6	23·5	28·9	81	..	5·5	..	11·6	0	2	26	5	15	3	2	1	0	0	2	2	0
Tuticorin	0830	4	1013·3	1012·9	+0·8	26·2	23·7	22·5	27·2	81	0	5·3	+0·4	13·6	0	1	22	15	9	0	0	0	0	2	4	0	0
	1730	,,	1009·7	1009·3	..	28·1	24·9	23·4	28·8	76	..	4·3	..	22·9	0	20	10	5	10	9	4	2	0	0	0	0	0
Palayankottai	0830	51	1013·1	1007·3	+0·7	26·1	23·4	22·1	26·6	79	+1	6·2	+1·0	7·9	0	1	29	22	0	0	0	0	1	3	4	0	0
	1730	,,	1009·5	1003·8	..	28·1	24·2	22·3	26·9	72	..	6·4	..	8·9	0	2	28	9	1	9	3	2	0	5	1	0	0
Kanniyakumari	0830	37	1012·2	1008·1	..	26·7	23·5	21·9	26·3	76	..	4·9	..	20·0	0	17	13	10	13	0	0	0	0	2	5	0	0
	1730	,,	1009·3	1005·2	..	27·5	24·2	22·6	27·6	74	..	5·7	..	19·2	0	14	16	2	12	4	0	0	2	9	1	0	0
Coastal Mysore																											
Karwar	0830	4	1013·1	1012·6	+0·5	26·3	22·1	19·5	22·7	68	−8	2·8	−0·2	5·3	0	0	28	0	12	11	2	0	1	0	0	2	2
	1730	,,	1009·1	1008·7	..	31·1	25·1	22·2	26·7	60	..	2·9	..	5·7	0	0	30	0	1	1	5	2	0	7	6	0	8
Honawar	0830	26	1012·8	1009·8	+0·4	26·1	21·7	19·1	22·6	66	−4	3·3	−0·8	4·5	0	0	28	1	17	9	0	1	0	0	0	2	0
	1730	,,	1009·7	1006·8	..	30·3	24·8	22·2	26·9	62	..	2·3	..	4·8	0	0	30	3	1	2	0	1	1	19	3	0	0
Mangalore (Bajpe)	0230	102	1010·3	998·7	..	24·3	23·2	22·6	27·6	90	..	3·6	..	3·3	0	0	14	0	2	11	1	0	0	0	0	16	0
	0530	,,	1010·5	998·9	..	23·7	22·5	21·8	26·3	89	..	3·1	..	4·9	0	0	19	0	0	16	3	0	0	0	0	11	0
	0830	,,	1012·5	1001·0	..	27·0	23·5	21·7	25·9	74	..	4·2	..	6·5	0	0	29	0	0	29	0	0	0	0	0	1	0
	1130	,,	1011·8	1000·5	..	31·9	24·0	19·9	23·2	51	..	4·4	..	9·6	0	0	28	1	4	11	6	1	0	1	1	2	3
	1430	,,	1008·8	997·5	..	32·9	24·6	20·6	24·1	51	..	4·5	..	11·8	0	0	30	0	1	4	3	0	1	13	5	0	3
	1730	,,	1009·0	997·6	..	29·4	24·6	22·2	26·9	66	..	4·8	..	10·5	0	0	30	1	1	1	1	0	0	23	3	0	0
	2030	,,	1011·3	999·8	..	27·2	24·3	23·0	27·9	78	..	4·1	..	3·7	0	0	15	0	0	2	0	0	0	5	6	15	2
	2330	,,	1011·6	1000·1	..	25·8	23·8	22·8	27·9	84	..	4·0	..	3·1	0	0	14	2	2	5	2	1	0	1	1	16	0
Mangalore	0830	22	1012·3	1009·9	+0·2	27·1	23·6	21·8	26·3	73	−2	3·0	−0·4	4·7	0	0	30	0	0	20	6	1	2	0	0	0	1
	1730	,,	1009·4	1006·9	..	29·9	25·4	23·4	28·6	68	..	3·8	..	5·0	0	0	30	0	1	0	1	0	6	5	9	0	8
Interior Mysore North																											
Bidar	0830	634	1014·8	941·1	..	23·1	17·1	12·9	15·1	54	−6	3·2	+0·7	9·7	0	2	27	0	8	12	5	2	1	0	0	1	1
	1730	,,	1010·5	937·9	..	26·6	17·2	10·5	12·8	37	..	3·7	..	12·3	0	0	30	0	23	7	0	0	0	0	0	0	0
Gulbarga	0830	458	1015·0	963·5	+0·8	23·7	17·1	12·6	14·7	51	−10	3·3	+1·2	3·9	0	0	14	0	6	8	0	0	0	0	0	16	0
	1730	,,	1009·7	959·5	..	30·1	18·0	9·1	11·8	28	..	4·1	..	6·5	0	0	30	1	4	24	1	0	0	0	0	0	0
Bijapur	0830	594	1015·1	948·5	+1·0	21·6	16·7	13·3	15·5	59	−3	3·3	+0·6	4·3	0	0	26	0	5	9	9	3	0	0	0	4	0
	1730	,,	1008·5	944·1	..	29·7	19·3	12·3	14·8	35	..	2·4	..	1·8	0	0	25	3	11	3	5	2	0	0	1	5	0
Raichur	0830	400	1014·0	969·8	+1·0	25·2	19·4	15·5	17·8	56	−9	3·6	+1·2	4·5	0	0	27	0	3	0	5	0	19	0	0	3	0
	1730	,,	1009·7	965·9	..	29·9	19·3	11·4	13·7	33	..	3·9	..	6·3	0	0	30	0	27	0	2	0	1	0	0	0	0
Belgaum	0830	753	1014·0	930·9	+0·9	22·2	17·8	15·0	17·1	65	−1	2·0	−0·8	2·5	0	0	17	0	0	17	0	0	0	0	0	13	0
	1730	,,	1007·4	926·6	..	28·7	19·9	14·5	16·7	43	..	4·2	..	7·1	0	0	29	1	5	20	2	0	0	1	0	1	0
Belgaum (Samra)	0530	747	1012·8	929·3	..	19·0	15·4	12·9	14·6	71	..	2·0	..	3·1	0	0	16	1	4	7	2	0	0	2	0	14	0
	0880	,,	1013·7	931·6	..	22·9	17·3	13·5	15·1	56	..	3·6	..	8·7	0	1	29	0	11	13	6	0	0	0	0	0	0
	1130	,,	1012·1	931·0	..	27·3	18·4	12·3	13·8	41	..	3·7	..	12·8	0	2	28	0	5	19	6	0	0	0	0	0	0
	1430	,,	1008·3	928·1	..	29·5	18·3	10·4	12·9	32	..	3·9	..	9·5	0	0	30	1	14	12	3	0	0	0	0	0	0
	1730	,,	1008·5	928·0	..	28·5	17·9	10·3	12·8	34	..	4·0	..	6·9	0	0	28	0	15	10	1	2	0	0	0	2	0
	2030	,,	1012·0	930·0	..	23·9	17·1	12·2	14·1	50	..	2·7	..	4·3	0	0	22	0	5	8	2	0	3	4	0	8	0
Gadag	0530	650	1012·7	940·0	..	19·8	17·0	15·1	17·4	75	..	0·9	..	3·7	0	0	18	0	4	11	2	0	0	0	0	12	1
	0830	,,	1014·4	942·1	+1·1	22·5	19·0	16·9	19·5	71	+6	2·9	+0·1	5·3	0	0	30	0	5	23	1	1	0	0	0	0	0
	1130	,,	1012·2	941·5	..	28·6	20·9	16·6	19·0	50	..	3·1	..	9·1	0	1	28	0	12	16	0	0	0	0	0	1	1
	1430	,,	1008·7	938·7	..	30·5	21·0	15·7	17·8	42	..	3·4	..	8·4	0	0	28	1	11	14	1	0	0	0	0	2	1
	1730	,,	1008·9	938·6	..	29·4	20·4	15·0	17·4	44	..	4·1	..	5·9	0	0	30	1	9	19	0	0	0	0	0	0	1
	2030	,,	1012·2	940·6	..	25·0	18·7	14·6	16·9	54	..	1·7	..	5·3	0	0	25	0	5	18	1	0	0	0	0	5	1
	2330	,,	1013·1	940·9	..	22·5	17·5	14·5	16·3	60	..	1·4	..	6·3	0	0	23	0	2	18	3	0	0	0	0	7	0
Interior Mysore South																											
Bellary	0830	449	1014·4	963·9	+0·8	23·3	19·2	17·1	19·0	69	+1	2·0	−1·5	4·5	0	0	20	0	0	14	6	0	0	0	0	10	0
	1730	,,	1009·4	960·2	..	29·8	20·3	13·7	16·1	40	..	4·2	..	10·3	0	0	29	0	1	17	11	0	0	0	0	1	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.g.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity, %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km. p. h.): 62 or more	Wind speed (Km. p. h.): 20 to 61	Wind speed (Km. p. h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
INTERIOR MYSORE SOUTH—(Contd.)																											
Chitradurga	0830	733	1013·6	932·6	+1·2	22·3	18·9	16·8	19·4	72	+2	3·9	0	6·9	0	0	27	0	1	22	3	0	0	1	0	3	0
	1730	,,	1008·5	929·3	..	27·8	19·2	13·8	16·1	44	..	3·8	..	8·1	0	0	30	0	9	21	0	0	0	0	0	0	0
Shimoga	0830	571	1013·4	949·5	+0·3	21·8	19·3	17·8	20·5	79	−3	4·6	+0·4	2·6	0	0	28	0	6	9	9	2	1	0	1	2	0
	1730	,,	1007·7	945·6	..	29·1	20·5	15·8	17·8	48	..	5·2	..	3·7	0	0	23	1	9	9	4	0	5	0	0	7	0
Agumbe	0830	..	..	..	..	21·0	19·4	18·5	21·3	86	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Balehonnur	0830	..	..	..	..	21·8	18·9	17·1	19·7	76	−9	..	..	8·7	0	0	29	0	26	3	0	0	0	0	0	1	0
Hassan	0830	960	1532·7	908·6	..	20·4	17·9	16.5	18·8	78	+2	4·4	+0·4	3·8	0	0	30	3	4	15	2	2	2	1	1	0	0
	1730	,,	1509·6	905·1	..	26·2	18·6	13·6	15·9	48	..	5·5	..	3·3	0	0	30	3	6	15	4	1	0	1	0	0	0
Bangalore	0230	921	1512·9	911·0	..	19·1	17·8	17·0	19·5	88	..	3·5	..	6·8	0	0	26	0	6	20	0	0	0	0	0	4	0
	0830	,,	1533·4	912·9	+1·2	21·0	18·1	16·3	18·6	75	−3	4·7	+0·2	9·7	0	0	30	0	8	20	2	0	0	0	0	0	0
	1130	,,	1537·0	912·3	..	25·3	18·7	15·0	16·7	56	..	5·3	..	10·1	0	1	27	1	12	15	0	0	0	0	0	2	0
	1430	,,	1518·8	910·0	..	26·5	19·2	14·7	16·9	51	..	5·3	..	9·2	0	0	28	1	11	15	1	0	0	0	0	2	0
	1730	,,	1516 7	910·2	..	24·6	18·7	14·9	17·3	58	..	5·6	..	7·6	0	1	27	2	10	12	3	0	0	0	0	2	1
	2030	,,	1528·1	912·1	..	21·9	18·5	16·3	18·8	72	..	3·5	..	8·1	0	1	27	1	10	17	0	0	0	0	0	2	0
Bangalore Aerodrome	0530	897	1509·3	913·4	..	18·3	17·2	16·6	18.8	90	..	4·1	..	5·4	0	0	20	0	2	17	1	0	0	0	0	10	0
	0830	,,	1534·1	915·5	..	20·9	18·0	16·3	18·5	76	..	5·1	..	10·4	0	1	28	1	6	22	0	0	0	0	0	1	0
	1130	,,	1535·5	914·7	..	25·0	18·4	14·1	16·3	53	..	5·3	..	13·0	0	3	27	3	8	18	1	0	0	0	0	0	0
	1730	,,	1512·7	912·3	..	24·9	18·6	14·4	16·8	55	..	5·8	..	11·5	0	3	27	3	9	16	2	0	0	0	0	0	0
	2330	,,	1525·1	914·7	..	20·0	18·2	17·0	19·6	84	..	4·0	..	10·3	0	0	27	1	3	22	1	0	0	0	0	3	0
Mysore	0830	767	1013·5	928·9	+1·0	22·5	19·2	17·3	19·7	73	−4	3·7	−0·9	5·7	0	0	30	3	2	6	3	5	8	0	3	0	0
	1730	,,	1008·4	925·5	..	27·2	19·4	14·6	16·8	47	..	3·7	..	7·4	0	1	29	3	13	3	4	2	3	1	1	0	0
Calicut	0530	5	1010·6	1010·0	..	24·8	23·7	23·1	28·3	91	..	2·4	..	4·5	0	0	22	0	2	19	1	0	0	0	0	8	0
	0830	,,	1012·4	1011·8	+0·1	26·9	24·3	23·0	28·1	79	−3	3·2	−1·0	4·1	0	0	22	0	2	19	0	0	1	0	0	8	0
	1130	,,	1011·8	1011·2	..	30·1	25·5	23·4	28·6	68	..	3 6	..	7·5	0	0	29	0	0	1	0	1	9	17	1	1	0
	1730	,,	1009·4	1008·8	..	29·7	25·6	23·9	29·6	71	..	4·8	..	7·1	0	0	28	0	0	0	0	0	10	7	11	2	0
	2330	,,	1011·6	1011·0	..	26·4	24·7	23·9	29·6	86	..	2·2	..	4·1	0	0	21	0	11	8	1	1	0	0	0	9	0
Palghat	0830	97	1012·9	1001·9	..	27·2	23·5	21·7	25·9	73	..	4·6	..	8·1	0	0	28	0	0	27	0	0	0	1	0	2	0
	1730	,,	1008·7	997·8	..	30·2	24·3	21·3	25·6	60	..	4·7	..	6·0	0	0	28	0	0	13	0	0	1	14	0	2	0
Fort Cochin	0830	3	1012·2	1011·9	+0·2	27·3	24·1	22·6	27·4	76	−3	6·3	+2·3	5·1	0	0	30	0	13	13	3	0	0	0	1	0	0
	1730	,,	1009·4	1009·1	..	28·4	24·9	23·3	28·6	14	..	6·3	..	6·5	0	0	29	1	3	1	2	0	8	8	6	1	0
Cochin (Naval air station)	0230	3	1010·4	1010·1	..	25·2	24·0	23·4	28·8	90	..	5·2	..	3·3	0	0	16	0	5	0	2	0	0	0	0	14	0
	0530	,,	1010·3	1010·0	..	24·6	23·6	23·1	28·3	91	..	4·6	..	3·2	0	0	16	0	8	6	1	1	0	0	0	14	0
	0830	,,	1012·4	1012·1	..	26·8	24·1	22·8	27·9	79	..	5·5	..	4·7	0	0	26	2	9	8	3	0	1	0	3	4	0
	1130	,,	1012·0	1011·7	..	29·9	24·7	22·2	26·9	64	..	5·3	..	8·6	0	0	28	2	3	5	2	2	5	1	8	2	0
	1730	,,	1009·1	1008·8	..	29·3	25·0	22·9	28·3	69	.	5·8	..	10·7	0	1	27	1	1	0	1	0	7	14	4	2	0
	2330	,,	1011·8	1011·5	..	26·0	24·6	23·9	29·8	88	..	5·2	..	3·6	0	0	13	0	1	8	0	0	1	0	3	17	0
Alleppey	0830	4	1012·2	1011·8	+1·5	27·0	24·6	23·5	28·9	82	+1	4·9	−0·3	4·9	0	0	29	1	9	9	8	0	0	0	2	1	0
	1730	,,	1008·8	1008·4	..	29·0	25·4	23·8	29·5	74	..	5·6	..	16·5	0	9	21	0	0	1	2	0	0	8	19	0	0
Punalur (R)	0830	34																									
(R)	1730	,,																									
Trivandrum	0230	64	1009·9	1002·6	..	24·7	23·8	23·4	28·6	93	..	4·4	..	2·0	0	0	13	3	8	0	0	0	0	0	2	17	0
	0530	,,	1010·1	1002·8	..	24·2	23·3	22·8	27·9	92	..	4·1	..	3·7	0	0	21	1	16	2	0	0	0	1	1	9	0
	0830	,,	1012·2	1004·9	+0·4	26·1	24·2	23·3	28·6	85	0	4·7	−0·3	3·7	0	0	27	6	11	1	3	1	1	2	2	3	0
	1130	,,	1011·5	1004·3	..	29·4	24·9	22·8	27·9	69	..	5·5	..	4·9	0	0	28	3	5	1	1	0	5	9	3	2	0
	1430	,,	1008·9	1001·7	..	29·5	25·1	23·1	28·3	69	..	5·4	..	6·7	0	0	29	1	2	0	0	0	8	10	8	1	0
	1730	,,	1009·4	1002·1	..	27·9	24·9	23·3	28·9	78	..	5·8	..	5·9	0	0	29	4	3	1	0	1	5	9	7	1	0
	2030	,,	1011·6	1004·3	..	26·3	24·5	23·7	29·3	86	..	4·9	..	3·0	0	0	27	2	6	1	2	0	1	6	9	3	0
	2330	,,	1011·6	1004·3	..	25·4	24·2	23·6	29·3	90	..	4·8	..	3·9	0	0	24	6	9	3	0	0	0	1	5	6	0
Trivandrum Aerodrome	0830	8	1012·6	1011·6	..	27·3	24·4	23·3	28·7	78	..	5·4	..	5·7	0	0	17	3	7	4	1	1	0	1	0	13	0
Arabian Sea Islands																											
Amini	0530	4	1009·5	1009·1	..	25·9	24·1	23·3	28·6	86	..	3·3	..	5·1	0	2	12	5	1	1	0	0	0	2	5	16	0
	0830	,,	1011·8	1011·3	..	27·9	25·2	24·1	29·7	80	+5	4·1	+0·2	3·7	0	1	13	4	3	2	1	0	0	2	2	16	0
	1130	,,	1011·8	1011·4	..	30·2	25·6	23·5	29·1	68	..	4·6	..	5·7	0	0	24	6	6	5	2	0	0	0	5	6	0
	1730	,,	1009·0	1008·6	..	29·4	25·1	23·2	28·3	70	..	5·7	..	3·6	0	0	21	3	5	3	3	0	1	3	2	9	1
	2330	,,	1011·1	1010·6	..	26·6	24·3	23·4	28·8	84	..	3·7	..	3·1	0	1	10	2	0	1	2	0	1	1	4	19	0

(R) Register not received.

Sub-Division and Station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Arbian Sea Islands (*contd.*)																											
Agatti	0830	4	1011·6	1011·1	..	28·6	25·3	23·7	29·7	76	..	5·2	..	5·3	0	0	28	9	8	4	0	0	0	1	6	2	0
	1730	,,	1009·5	1009·0	..	29·3	25·4	23·6	29·1	72	..	6·0	..	4·7	0	0	30	7	10	6	2	0	1	0	4	0	0
Androth	0830	5	1012·4	1011·9	..	27·8	26·3	25·7	33·4	95	..	5·1	..	3·6	0	0	19	10	6	0	0	0	0	0	1	11	2
	1730	,,	1009·7	1009·2	..	28·5	26·6	25·8	33·4	85	..	5·7	..	2·0	0	0	18	9	3	1	0	0	0	2	2	12	1
Minicoy	0530	2	1010·3	1010·1	..	25·2	23·8	23·1	28·3	88	..	4·4	..	1·2	0	0	6	1	0	1	1	1	0	2	0	24	0
	0830	,,	1012·3	1012·1	+0·5	27·9	25·2	23·9	29·7	79	+1	4·5	+0·5	3·5	0	0	18	2	2	6	2	1	0	5	0	12	0
	1130	,,	1012·2	1012·0	..	30·1	25·8	23·9	29·7	70	..	5·5	..	3·9	0	0	22	2	2	4	2	1	2	3	6	8	0
	1430	,,	1009·8	1009·6	..	29·9	25·7	23·8	29·5	70	..	5·6	..	4·2	0	0	18	2	1	6	2	0	0	3	4	12	0
	1730	,,	1009·7	1009·5	..	28·5	25·1	23·6	29·3	75	..	6·2	..	3·0	0	0	14	3	2	6	0	0	0	2	1	16	0
	2030	,,	1011·6	1011·4	..	26·6	24·4	23·4	28·8	83	..	5·6	..	2·7	0	0	12	2	1	4	0	2	0	2	1	18	0
	2330	,,	1011·8	1011·6	..	25·5	24·1	23·3	28·9	85	..	4·7	..	2·5	0	0	10	1	1	6	1	0	0	0	1	20	0
Mercara	0830	3	1525·6	888·1	+1·3	18·7	16·9	15·8	17·9	84	+1	3·6	−1·2	10·1	0	4	25	4	19	6	0	0	0	0	0	1	0
	1730	,,	1508·2	885·7	..	22·9	18·5	15·8	17·9	67	..	4·5	..	6·7	0	0	29	1	19	3	0	0	0	2	4	1	0
Ootacamund	0830	3	1529·6	781·4	+1·5	12·7	11·1	10·0	12·0	83	+7	3·4	+0·8	1·7	0	0	17	1	11	4	0	1	0	0	0	13	0
	1730	,,	1499·6	779·5	..	15·1	13·6	12·6	14·5	85	..	5·1	..	1·2	0	0	17	1	12	4	0	0	0	0	0	13	0
Hill Stations excluding Kashmir																											
Dalhousie	0830	1959	1477·1	803·1	+1·2	12·8	8·2	3·1	7·6	54	+1	0·6	−0·2	0·5	0	0	5	1	3	0	0	0	1	0	0	25	0
	1730	,,	1471·2	802·3	..	11·8	9·3	6·8	9·9	73	..	0·8	..	0·7	0	0	7	0	5	1	1	0	0	0	0	23	0
Dharmsala	0830	1211	1566·2	886·6	−0·1	17·1	11·3	5·7	9·1	48	−1	2·8	+1·5	1·3	0	0	18	4	9	1	0	0	1	1	2	12	0
	1730	,,	1564·0	886·1	..	18·9	12·5	6·7	9·7	46	..	2·5	..	2·1	0	0	29	2	0	0	0	3	23	1	0	1	0
Simala	0830	2202	1531·2	785·0	+1·0	10·9	4·9	−3·1	4.7	40	+6	1·5	+0·2	0·5	0	0	7	0	1	0	2	4	0	0	0	23	0
	1730	,,	1524·3	784·1	..	10·4	6·3	1·7	6·9	56	..	2·7	..	0·9	0	0	11	0	0	0	0	1	10	0	0	19	0
Lokpal	0830	..	..	..	..	−7·2	−10·4	−20·5	1·0	34	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
Badrinath	0830										Closed during winter months																
Joshimath	0830	..	..	..	..	9·3	5·5	0·8	6·5	55	..	0·2	..	3·4	0	1	21	0	1	8	12	1	0	0	0	8	0
	1730	..	..	..	..	13·5	8 6	3·4	7·8	48	..	3·1	..	4·1	0	0	30	1	0	3	8	2	11	4	1	0	0
Mussoorie	0830	2042	1525·3	799 7	+0·1	11·5	6·9	1·1	6·1	52	+5	0·8	−0·4	1·5	0	0	17	4	1	0	3	5	1	0	3	13	0
	1730	,,	1515·9	798·7	..	11·1	8·7	6·3	9·5	73	..	2·1	..	2·2	0	0	23	1	1	0	10	10	1	0	0	7	0
Mukteshwar (kumaun)	0830	2311	3160·6	776·1	+1·1	10·1	6·1	1·4	6·8	56	+12	0·8	−0·5	5·7	0	0	20	0	4	6	0	1	1	4	4	10	0
	1730	,,	3139·8	774·3	..	9 5	6·9	4·0	8·1	70	..	1·7	..	5·8		0	22	1	0	0	1	0	1	11	8	8	0
Nainital	0830	1953	1530·4	808·6	+1·1	11·7	6·9	1·6	6·9	52	−1	0·4	−0·3	3·1	0	0	16	1	5	4	2	0	0	2	2	14	0
	1730	,,	1506·5	806·0	..	10·3	7·4	4·5	8·4	68	..	1·6	..	6·5	0	0	30	0	0	0	1	1	1	27	0	0	0
Kalimpong	0830	1209	1533·9	883·3	+0·1	15·5	13·7	12·2	14·2	82	+8	1·0	−1.2	7·3	0	0	30	0	0	0	2	0	4	0	24	0	0
	1730	,,	1505·7	880·5	..	16·0	14·0	12·5	14·5	80	..	1·0	..	5·9	0	0	30	0	1	0	25	0	1	0	5	0	0
Darjeeling	0530	2128	1563·2	795·3	+3·9	12·3	8·3	4·5	8·4	61	0	2·1	−0·8	1·1	0	0	8	5	0	0	0	0	3	0	0	22	0
	1730	,,	1540·8	792·8	..	10·2	8·0	6·0	9·3	77	..	3·2	..	0·3	0	0	4	1	0	0	0	0	3	0	0	26	0
Kohima	0830	1406	1562·0	865·8	..	16·2	13·8	12·0	14·0	75	..	1·8	..	2·0	0	0	30	0	0	4	10	0	0	0	16	0	0
	1730	,,	1540·0	863·6	..	16·1	14 5	13·4	15·4	83	..	3·1	..	2·2	0	0	30	3	0	0	0	0	2	2	23	0	0
Shillong	0820	1500	1559·2	856·1	+3·0	18·0	13·7	10·3	12 5	63	−5	2·2 (b)	+0·1	3·5 (b)	0	0	9	0	1	0	0	3	4	0	1	21	0
	1730	,,	1538·9	854·1	..	15·6	14·7	14·1	16·1	92	..	6·8	..	0·3	0	0	1	0	0	0	0	0	1	0	0	28	0
Cherrapunji (R)	0830	1313																									
(R)	1730	..																									
Abu	0830	1195	1521·6	883·2	−1·7	18·3	11·7	5·4	9·0	43	−2	0·9	−0·1	0·4 (b)	0	0	3	1	0	0	0	0	0	0	2	27	0
	1730	,,	1513·9	882·3	..	21·6	13·0	4·8	8·6	35	..	0·5	..	2·9	0	0	16	8	0	0	0	0	1	0	7	13	0
Aijal	0830	..	..	..	..	20·2	15·8	14·6	16·6	69	..	1·6	..	3·9	0	0	30	2	0	25	0	1	0	2	0	0	0
	1730	..	..	..	..	20·9	17·4	15·3	17·4	69	..	1·7	..	4·2	0	0	30	11	0	2	0	7	0	10	0	0	0
Pachmarhi	0830	1075	1552·2	898·7	+1·1	19·2	13·1	7·7	10·7	49	−8	1·3	−0·2	1·3	0	0	16	0	4	4	2	4	0	0	2	14	0
	1730	,,	1533·5	896·4	..	22·0	13·2	5·1	8·8	34	..	1·8	..	2·7	0	0	25	2	15	1	0	0	0	2	5	5	0
Mahabaleswar	0830	1392	1537·2	865·7	+1·0	19·0	13·2	8·1	10·9	51	−15	0·7	−1·5	11·0	0	0	30	0	14	1	15	0	0	0	0	0	0
	1730	,,	1519·5	863·8	..	22·7	15·6	10·1	12·5	46	..	0·6	..	9·8	0	0	30	0	15	0	13	0	0	0	2	0	0
Mercara	0830	1152	1525·6	888·1	+1·3	18·7	16·9	15·8	17·9	84	+1	3·6	−1·2	10·1	0	4	25	4	19	6	0	0	0	0	0	1	0
	1730	,,	1508·2	885·7	..	22·9	18·5	15·8	17·9	67	..	4·5	..	6·7	0	0	29	1	19	3	0	0	0	2	4	1	0
Ootacamund	0830	2249	1529·6	781·4	+1·5	12·7	11·1	10·0	12·0	83	+7	3·4	−1·2	1·7	0	0	17	1	11	4	0	1	0	0	0	13	0
	1730	,,	1501·5	779·2	..	15·1	13·6	12·6	14·5	85	..	5·1	..	1·2	0	0	17	1	12	4	0	0	0	0	0	13	0
Coonoor*	0830	1747																									
Kodaikanal	0830	2343	3164·1	772·8	+1·3	12·8	11·6	10·7	12·9	88	+9	6·2	+1·3	12·7	0	6	24	6	4	8	5	0	0	0	7	0	0
	1130	,,	3168·2	772·6	..	14·9	13·1	11·9	13·9	83	..	6·9	..	12·9	0	5	25	5	7	5	6	0	0	0	7	0	0
	1730	,,	3146·7	771·1	..	12·9	12·3	12·0	13·9	94	..	7·2	..	8·5	0	1	24	3	6	3	3	0	0	1	9	5	0

Sub Division and Station	Hour of observation I.S.T.	Station elevation in metre	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Nepal																											
Katmandu	0830	1324	1542·7	872·8	..	10·2	9·6	9·1	11·7	93	..	5·0	..	0·2	0	0	2	1	1	0	0	0	0	0	0	28	
	1130	,,	1535·2	871·4	..	18·7	13·6	9·5	12·0	56	..	2·7	..	0·9	0	0	8	0	2	2	1	0	0	0	3	22	
	1730	,,	1518·2	869·9	..	15·3	12·6	10·3	12·7	72	..	2·2	..	1·0	0	0	9	6	0	0	0	1	0	0	2	21	
Sikkim																											
Lachen	0830	..	..	..	..	7·2	3·6	−1·1	5·6	55	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Hydrometerological Observatories — Damodar Catchment																											
Tilaiya	0830	..	..	..	..	22·9	17·2	13·0	15·0	56	..	0·3	..	2·9	0	0	15	0	0	3	0	0	0	6	6	15	
	1730	..	..	..	..	23·3	17·2	12·7	14·6	52	..	0·9	..	1·2	0	0	9	0	0	0	0	0	0	5	4	21	
Hazaribagh	0830	615	1015·7	946·7	..	21·1	16·7	13·9	15·9	64	..	0·7	..	1·9	0	0	13	0	0	2	0	1	2	4	4	17	
	1730	,,	1013·3	944·1	..	19·4	16·0	13·7	15·7	70	..	1·1	..	0·4	0	0	4	1	0	1	0	0	0	0	2	26	
Konar	0830	..	..	..	..	17·7	15·9	14·5	16·5	83	..	0	..	4·1	0	0	30	0	0	0	0	0	0	28	2	0	
	1730	..	..	..	..	20·1	18·8	18·0	20·6	88	..	0	..	4·3	0	0	30	0	0	0	0	0	2	26	2	0	
Bokaro	0830	242	1015·8	987·8	..	19·9	16·5	14·0	16·0	69	..	0·7	..	2·7	0	0	24	0	0	0	1	1	7	10	5	6	
	1730	,,	1012·3	984·7	..	21·1	17·5	15·0	17·0	68	..	0·9	..	4·2	0	0	28	12	11	0	0	0	0	0	5	2	
Maithon	0830	..	..	..	..	23·0	18·7	15·9	18·1	64	..	0·8	..	4·0	0	0	30	0	7	0	0	0	7	0	16	0	
	1730	..	..	..	..	26·8	19·4	14·4	16·4	47	..	1·2	..	3·4	0	0	30	2	7	0	0	1	6	1	12	0	
Ramgarh	0830	..	..	..	..	20·2	16·8	14·4	16·4	70	..	1·9	..	3·9	0	0	26	2	2	2	2	0	7	9	2	4	
	1730	..	..	..	..	20·4	16·9	14·4	16·4	69	..	2·1	..	4·2	0	0	28	4	0	1	2	3	6	10	2	2	
Panchet Hills	0830	..	..	..	..	22·1	18·6	16·3	18·5	71	..	0·9	..	3·6	0	0	24	0	0	0	6	0	16	0	2	6	
	1730	..	..	..	..	24·5	19·1	15·6	17·7	58	..	1·4	..	1·2	0	0	10	0	0	0	3	0	5	0	2	20	
Durgapur	0830	..	..	..	..	22·7	18·9	16·5	18·8	68	..	0·1	..	3·1	0	0	27	7	3	5	0	2	1	2	7	3	
	1730	..	..	..	..	25·4	19·2	15·1	17·1	53	..	1·8	..	3·9	0	0	28	2	8	5	2	4	0	0	7	2	
Mahanadi Catchment																											
Ginabahar	0830	..	..	..	..	20·4	15·9	12·8	14·8	62	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Hirakud	0830	159	1016·5	998·3	..	23·7	18·9	15·8	17·9	61	..	0·8	..	1·9	0	0	12	5	3	4	0	0	0	0	4	18	
	1130	,,	1015·0	997·1	..	28·2	20·1	14·8	16·9	45	..	0·6	..	4·1	0	0	28	10	4	1	0	1	1	7	4	2	
	1730	,,	1012·6	994·6	..	26·3	19·3	14·7	16·7	49	..	0·6	..	0·1	0	0	1	1	0	0	0	0	0	0	0	29	
Bhimkund	0830	..	..	..	..	21·6	17·7	15·0	17·0	66	..	1·5	..	0·5	0	0	8	1	0	0	0	0	1	0	6	22	
	1730	..	..	..	..	25·3	18·8	14·4	16·4	51	..	1·9	..	0·2	0	0	3	0	1	0	1	0	0	0	2	27	
Sonepur	0830	..	..	..	..	23·3	20·0	18·1	20·8	75	..	..	..	2·3	0	0	18	5	0	9	0	1	0	3	0	12	
Khijravan	0830	..	..	..	..	22·0	16·0	11·1	13·3	51	..	1·4	..	3·3	0	0	28	0	2	0	16	5	2	1	2	2	
	1730	..	..	..	..	27·2	16·9	8·1	10·7	30	..	2·5	..	4·3	0	0	27	7	8	2	2	1	0	1	6	3	
Narmada Catchment																											
Bagratawa	0830	..	..	..	..	19·2	14·1	9·4	12·0	54	..	(c) 1·4	..	(c) 9·6	0	0	28	1	11	3	0	3	8	2	0	0	
	1730	..	..	..	..	26·3	17·4	10·5	12·7	38	..	(d) 1·6	..	(d) 3·9	0	0	15	1	2	3	6	1	2	0	0	12	
Punasa	0830	..	..	..	..	20·4	13·8	7·9	10·4	48	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
†	1730																										
Thikri	0830	..	..	..	..	23·7	15·3	7·8	10·6	37	..	1·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Sabermati Catchment																											
Darol	0830	..	..	..	..	21·6	15·4	10·1	12·5	48	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
	1730	..	..	..	..	31·5	20·3	12·7	14·7	32	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Gandak Catchment																											
Jomosom	0830	..	..	..	..	7·5	3·3	−1·7	5·4	53	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
	1730	..	..	..	..	8·5	5·3	2·1	7·2	65	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Khudi Bazar	0830	..	..	..	..	15·5	12·3	9·5	12·1	68	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
	1730	..	..	..	..	18·1	15·1	12·9	15·1	72	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Timure	0830	..	..	..	..	8·1	5·1	1·2	7·0	64	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
	1730	..	..	..	..	12·4	9·3	6·4	9·7	67	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Pokhara	0830	..	..	..	..	16·4	13·8	11·8	14·0	74	..	1·9	..	1·2	0	0	10	3	1	0	2	1	0	1	2	20	
	1130	..	..	..	..	20·3	15·5	12·0	14·2	59	..	2·3	..	5·1	0	0	28	0	0	1	18	9	0	0	0	2	
	1730	..	..	..	..	17·6	15·6	14·2	16·4	81	..	2·5	..	1·4	0	0	13	3	6	1	1	0	0	1	1	17	
Gorkha	0830	..	..	..	..	16·2	13·8	12·0	14·2	77	..	2·0	..	..	..	..	..	0	0	0	0	2	16	1	1	10	
	1130	..	..	..	..	19·0	15·9	13·7	15·8	71	..	2·0	..	..	..	..	..	0	0	1	5	0	18	5	1	0	
	1730	..	..	..	..	16·6	14·0	12·0	14·2	75	..	1·9	..	..	..	..	..	3	1	0	2	2	8	1	10	3	
Nuwakot*	0830	..	..	..	..	15·0	13·1	11·6	13·8	81	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
	1730					17·0	14·2	11·4	13·7	67																	

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or right in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hydrometorological Observatories—(*Contd.*)																											
Ghaghara Catchment (Trans Himalayan Region)																											
Dailekh	0830	..	..	..	..	14·3	11·8	9·7	12·2	75	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	16·2	13·6	11·5	13·8	74	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghaghara Catchment																											
Dadeldhura	0830	..	..	..	..	12·2	9·0	5·9	9·4	66	..	0·4	..	4·1	0	0	28	0	1	8	11	3	2	1	2	2	0
	1130	..	..	..	..	14·8	10·0	5·7	9·3	55	..	1·1	..	6·1	0	0	30	11	2	2	1	0	0	1	13	0	0
	1730	..	..	..	..	11·8	9·1	6·7	10·0	72	..	1·0	..	3·4	0	0	26	4	0	0	0	1	0	6	15	4	0
Sallyana*	0830	..																									
	1730	..																									
Butwal	0830	..	..	..	..	21·0	17·5	14·9	17·4	69	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	21·7	18·7	16·6	19·3	73	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Baghmati Catchment																											
Katmandu**	0830	1324																									
	1130	,,																									
	1730	,,																									
Chautara	0830	..	..	..	..	13·3	10·9	8·8	11·5	75	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	16·2	12·3	9·2	11·9	64	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Walungchung Gola	0830	..	..	..	..	5·4	3·3	1·0	6·6	74	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	3·4	2·9	2·4	7·3	93	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taple thok	0830	..	..	..	..	15·4	11·4	7·7	10·7	62	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	15·5	11·7	8·2	11·0	63	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bhojpur	0830	..	..	..	..	16·3	12·3	9·2	11·8	65	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	13·7	11·3	9·4	12·0	76	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taplejung	0830	..	..	..	..	12·3	9·3	6·5	9·9	70	..	2·6	..	0·7	0	0	5	1	0	1	0	1	1	0	1	25	0
	1130	..	..	..	..	16·2	11·5	7·6	10·6	58	..	3·0	..	3·5	0	0	24	2	0	0	1	3	3	9	6	6	0
	1730	..	..	..	..	12·8	9·2	5·8	9·4	64	..	3·2	..	7·4	0	0	24	1	0	1	4	18	0	0	0	6	0
Okhaldhunga	0830	..	..	..	..	13·1	10·2	7·6	10·7	71	..	2·0	..	0·9	0	0	9	0	0	1	3	1	2	1	1	21	0
	1130	..	..	..	..	16·3	11·8	8·0	11·0	60	..	2·0	..	2·3	0	0	17	0	0	0	0	2	5	5	4	13	1
	1730	..	..	..	..	12·0	10·0	8·3	11·1	75	..	2·3	..	3·7	0	0	22	1	0	0	0	0	0	17	4	8	0
Chainpur	0830	..	..	..	..	15·4	12·7	10·4	12·9	73	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	16·7	14.2	12·4	14·5	76	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Angbung*	0830																										
	1730																										
Barahakshetra	0830	146	1017·7	1000·7	..	18·4	15·7	13·5	15·9	74	..	1·6	..	3·8	0	0	23	0	3	4	8	1	1	0	0	7	6
	1130	,,	1015·6	998·9	..	24·7	19·2	15·4	18·0	57	..	2·4	..	2·7	0	0	21	0	0	1	0	2	13	3	1	9	1
	1730	,,	1013·8	996·8	..	20·0	17·9	16·5	19·0	80	..	2·0	..	2·5	0	0	24	0	3	14	6	1	0	0	0	6	0
Tista Catchment																											
Gangtok	0830	1812	1540·9	823·3	..	11·8	8·6	5·4	9·3	68	..	2·3	..	0·8	0	0	6	1	5	0	0	0	0	0	0	24	0
	1130	,,	1527·7	822·4	..	16·4	11·7	7·7	10·7	59	..	2·8	..	2·3	0	0	21	0	1	0	1	2	11	2	4	9	0
	1730	,,	1516·9	821·0	..	12·3	9·4	6·8	10·0	70	..	3·4	..	0·7	0	0	7	0	0	0	2	5	0	0	0	23	0
Gezing	0830	..	..	..	..	14·1	10·7	7·7	10·8	67	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	13·5	10·4	7·6	10·7	69	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

*Data not available. **Data included under 'Nepal'.

MONTHLY MEANS OF UPPER WINDS

November, 1965 (*Kartika* 10—*Agrahayana* 9, 1887 *Saka*)

During the month, observations of velocity and direction of upper winds were made at 54 stations in Ind Out of these, at 40 stations all the observations were taken by means of pilot balloons and at 13 stations some observati were made by means of pilot balloons while the other observations by the radiowind method. In the case of Ba galore, the observations were taken by following radiosonde balloon by means of an optical theodolite. Particulars these stations, their co-ordinates and the approximate times of the regular pilot balloon and rawin ascents at ea station are given in the table overleaf. All radiowind ascents have been indicated by means of an asterisk(*) agai the scheduled hours.

Data from ascents made at the scheduled time or within two hours on either side of the scheduled times of ra lar observations have been used for averaging.

Data upto 9.0 km. a.m.s.l. are given under Table IV and data above 9.0 km. a.m.s.l. under Table V.

In Tables IV and V :

n—represents the number of observations;

V—represents the mean wind speed in metres per second irrespective of directions;

v—represents the resultant mean velocity in metres per second;

D— represents the direction of the resultant mean wind in degrees East of North.

Means and resultant winds are given in this publication for the following heights :

surface, 0.15 km. a.g., 0.3, 0.6, 0.9, 1.5, 2.1, 3.0, 3.6, 4.5, 5.4, 6.0, 7.2, 9.0, 10.5, 12.0, 14.1, 16.2, 18. 21.0, 24.0, 27.0, 30.0, 33.0 and 36.0 km.a.m.s.l. Of these, the levels 1.5, 3.0, 5.4, 7.2, 9.0, 12.0, 14.1, 16.2, 18. 21.0, 24.0, 27.0, and 30.0 km. a.m.s.l. are considered as the best approximations to the standard pressure levels 850, 7 500, 400, 300, 200, 150, 100, 70, 50, 30, 20 and 10 mb. respectively.

* * * * * *
* * * * *

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS IN INDIA

S. No.	Station	Lat. N.	Long. E.	Height of anemometer head a.m.s.l. in metres	Date of opening **	Approximate times of flight (I.S.T.)			
1.	Agartala	23°53′ N	91°15′E	17	28th Nov. 1951	0530		1730	2330
2.	Ahmadabad	23°04′ N	72°38′E	61	19th May 1928	0530*	1130	1730*	2330
3.	Allahabad/Bamhrauli	25°27′ N	81°44′E	103	28th Feb. 1930	0530*	1130	1730*	2330
4.	Ambala	30°23′ N	76°46′E	279	18th Mar. 1928	0530	1130	1730	2330
5.	Amini	11°07′ N	72°44′E	14	1st May 1965	0530		1730	2330
6.	Anantapur	14°41′ N	77°37′E	365	12th Feb. 1946	0530		1730	2330
7.	Asansol	23°41′ N	86°59′E	135	29th May 1942	0530		1730	2330
8.	Aurangabad/Chikalthan	19°51° N	75°24′E	583	7th Oct. 1951	0530		1730	2330
9.	Bahraich	27°34′ N	81°36′E	134	1st Oct. 1961	0530	1130	1730	
10.	Bangalore	12°58′ N	77°35′E	936	19th May 1915	0530@	1130	1730@	2330
11.	Bareilly	28°22′ N	79°24′E	181	12th Jan 1943	0530		1730	
12.	Begampet	17°27′ N	78°28′E	543	1st Sep. 1929	0530		1730	2330
13.	Bhagalpur	25°14′ N	86°57′E	61	19th May 1950	0530		1730	
14.	Bhopal/Bairagarh	23°17′ N	77°21′E	552	26th Feb. 1943	0530		1730	2330
15.	Bhubaneshwar	20°15′ N	85°50′E	54	17th Dec. 1955	0530		1730	2330
16.	Bhuj/Rudramata	23°15′ N	69°48′E	90	14th Sep. 1937	0530		1730	2330
17.	Bikaner	28°00′ N	73°18′E	229	18th Oct. 1946	0530		1730	2330
18.	Bombay/Santa Cruz	19°07′ N	72°51′E	27	14th May 1933	0530*	1130	1730*	2330
19.	Calcutta/Dum Dum	22°39′ N	88°27′E	13	14th May 1921	0530*	1130	1730*	2330
20.	Cochin/Willingdon†	09°56′ N	76°14′E	13	16th Mar. 1942	0530		1730	2330
21.	Dehra Dun	30°19′ N	78°03′E	692	1st Oct. 1958	0530		1730	
22.	Dibrugarh/Mohanbari	27°29′ N	95°01′E	112	1st Jun. 1948	0530	1130	1730	2330
23.	Gadag	15°25′ N	75°38′E	650	3rd May 1943	0530		1730	2330
24.	Gangtok	27°20′ N	88°37′E	1764	31st May 1963	0830		1730	
25.	Gauhati	26°05′ N	91°43′E	55	11th Mar 1955	0530*	1130	1730*	2330
26.	Gaya	24°45′ N	84°57′E	119	19th Mar. 1937	0530		1730	2330
27.	Goa/Dabolim	15°23′ N	73°49′E	23	1st July 1965	0530		1730	2330
28.	Gopalpur	19°16′ N	84°53′E	24	15th Feb. 1946	0530		1730	2330
29.	Gorakhpur	26°45′ N	83°22′E	83	5th Jan. 1943	0530		1730	
30.	Gwalior	26°14′ N	78°15′E	208	7th May 1938	0530	1130	1730	2330
31.	Imphal/Tulihal	24°46′ N	93°54′E	782	29th Mar. 1943	0530	1130	1730	2330
32.	Jabalpur	23°10′ N	79°57′E	402	30th July 1928	0530		1730	2330
33.	Jagadalpur	19°05′ N	82°02′E	562	25th Mar. 1948	0530		1730	2330
34.	Jaipur/Sanganer	26°49′ N	75°48′E	403	6th Jun. 1958	0530		1730	2330
35.	Jamshedpur	22°49′ N	86°11′E	144	23rd July 1942	0530	1130	1730	
36.	Jharsuguda	21°55′ N	84°05′E	240	1st May 1944	0530		1730	2330
37.	Lucknow/Amausi	26°45′ N	80°53′E	133	20th Nov. 1950	0530		1730	2330
38.	Madras/Minambakkam	13°00′ N	80°11′E	29	8th Apr. 1926	0530*	1130	1730*	2330
39.	Mangalore/Bajpe	12°55′ N	74°53′E	104	4th Jun 1928	0530		1730	2330
40.	Minicoy	08°18′ N	73°00′E	15	14th Apr. 1941	0530	1130	1730*	2330
41.	Nagpur/Sonegaon	21°06′ N	79°03′E	316	23rd Apr. 1943	0530*	1130	1730*	2330
42.	New Delhi/Safdarjung	28°35′ N	77°12′E	227	16th Nov. 1929	0530*	1130	1730*	
43.	Poona	18°32′ N	73°51′E	593	5th Jan. 1925	0530		1730	2330
44.	Port Blair	11°40′ N	92°43′E	95	13th May 1926	0530*	1130	1730*	2330
45.	Raipur	21°14′ N	81°39′E	308	15th July 1944	0530		1730	2330
46.	Razaul	26°59′ N	84°51′E	83	28th Oct. 1957	0530		1730	
47.	Srinagar	34°05′ N	74°48′E	1595	1st Aug. 1962	0530*		1730*	
48.	Tiruchchirappalli	10°46′ N	78°43′E	96	22nd Jun 1936	0530		1730	2330
49.	Trivandrum	08°29′ N	76°57′E	73	8th Dec. 1928	0530*	1130	1730*	2330
50.	Udaipur	24°35′ N	73°42′E	587	24th Jun. 1947	0530		1730	2330
51.	Vengurla	15°52′ N	73°38′E	8	20th Nov. 1941	0530		1730	2330
52.	Veraval	20°54′ N	70°22′E	17	13th Oct. 1941	0530		1730	2330
53.	Vijaywada/Gannavaram	16°32′ N	80°48′E	32	1st Apr. 1957	0530		1730	2330
54.	Vishakhapatnam	17°43′ N	83°14′E	10	24th Sep. 1928	0530*	1130	1730*	2330

* Radio wind ascents.

@ Radiosonde ascents followed by optical theodolite.

† Naval Meteorological Office.

** Refers to date from which data are available.

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

November, 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Station	AGARTALA												AHMADABAD											
Time in I. S. T.	0530				1730				2330				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	0·5	0·2	160	30	1·2	0·4	284	30	0·8	0·3	160	30	1·4	1·1	032	30	2·5	2·2	086	30	1·7	0·9	058
0·15 a. g. .	27	2·9	0·3	353	30	3·1	1·2	285	30	4·4	0·3	325	30	5·4	3·7	041	30	3·9	3·0	090	30	3·9	1·3	035
0·3 a. m. s. l. .	27	3·4	0·8	300	30	3·0	1·1	291	30	4·3	0·9	295	30	5·7	4·1	047	30	3·9	3·1	092	30	3·8	1·3	020
0·6 ,, .	27	3·7	0·7	295	30	3·0	0·8	273	30	3·8	1·1	284	30	4·9	3·1	052	30	3.9	3·0	082	30	3·7	1·7	033
0·9 ,, .	27	4·0	0·6	291	30	3·0	0·7	242	30	3·2	0·8	256	30	3·9	1·7	052	30	3·4	2·1	080	30	3·7	1·9	039
1·5 ,, .	26	4·3	0·6	206	30	4·0	1·7	253	30	4·0	1·7	249	30	3·3	0·5	103	30	3·6	0·1	161	30	3·6	1·5	020
2·1 ,, .	26	5·7	2·7	228	29	6·0	3·3	265	29	5·3	2·7	256	30	3·8	1·2	198	30	4·0	0·7	204	30	3·9	1·5	359
3·0 ,, .	25	7·9	3·1	239	28	7·7	4·3	265	26	7·3	1·8	285	30	4·8	1·2	295	30	4·4	1·5	285	30	5·0	1·6	315
3.6 ,, .	23	8·8	4·8	255	26	10·0	8·3	276	1	4·0	4·0	051	30	6·1	2·7	296	29	5·4	2·9	285	30	6·1	3·2	285
4·5 ,, .	20	10·9	8·5	250	23	11·7	8·0	276					30	8·3	5·6	277	29	7·7	5·3	288	30	8·1	5·6	278
5·4 ,, .	18	14·7	11·5	288	21	15·2	10·8	282					30	10·3	7·3	277	27	9·8	7·8	285	30	10·1	8·0	269
6·0 ,, .	15	16·1	12·4	277	19	16·6	12·1	281					30	11·4	9·5	274	27	11·0	8·9	287	30	11·3	8·7	278
7·2 ,, .	4	20·2	19·0	274	7	15·7	10·4	308					30	15·9	13·8	270	25	14·8	12·6	278	30	16·0	14·3	266
9·0 ,, .					3	20·3	19·4	269					30	21·9	20·2	266	22	20·4	19·3	269	29	22·5	20·7	267

Station	AHMADABAD				ALLAHABAD/BAMHRAULI																AMBALA			
Time in I. S. T.	2330				0530*				1130				1730*				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	0·6	0·5	042	30	C	A	L	M	30	0·3	0·3	255	30	0·7	0·6	306	30	C	A	L	M	30	0·8	0·2	041
0·15 a. g. .	30	5·4	3·3	038	30	3·2	0·8	285	30	2·0	0·7	263	30	3·5	2·5	307	30	4·0	2·9	008	30	4·7	1·9	019
0·3 a. m. s. l. .	30	5·0	3·2	044	30	3·3	0·9	287	30	2·1	0·7	271	30	3·5	2·5	307	30	4·0	2·8	004	30	2·1	0·8	052
0·6 ,, .	30	4·1	2·8	051	30	3·8	1·6	330	30	2·8	1·3	294	30	3·4	2·6	327	30	4·1	2·7	350	30	4·9	2·4	343
0·9 ,, .	30	3·8	2·7	061	30	4·2	2·4	320	30	3·4	2·0	318	30	3·7	2·8	316	30	4·1	2·7	325	30	4·3	2·7	325
1·5 ,, .	30	4·2	2·4	074	30	5·4	4·1	303	30	5·0	3·6	319	30	4·0	3·3	308	30	5·2	3·9	294	30	5·7	4·0	299
2·1 ,, .	30	4·5	1·2	078	30	6·4	5·5	303	30	5·7	4·5	308	30	5·2	4·6	296	30	5·9	5·1	280	30	6·4	4·2	295
3·0 ,, .	30	4·8	0·6	295	30	7·1	6·1	297	30	7·1	5·9	300	30	6·4	5·7	296	29	6·8	6·0	297	30	6·4	4·4	303
3·6 ,, .	13	6·3	2·6	283	30	8·3	7·4	300	30	9·2	8·4	295	29	8·4	7·8	298	22	8·3	7·4	297	30	7·2	5·9	296
4·5 ,, .	5	11·8	11·3	271	30	12·0	10·8	295	30	13·2	9·4	296	29	11·6	10·7	293	9	11·0	9·9	290	30	10·4	8·8	290
5·4 ,, .	1	9·0	9·0	283	30	14·5	13·3	288	30	15·7	14·4	285	29	14·6	13·6	286	2	10·5	10·3	282	29	13·7	12·2	287
6·0 ,, .					30	15·8	14·7	282	27	17·7	14·8	284	29	16·1	14·7	285					29	16·1	14·7	28[illegible]
7·2 ,, .					30	21·3	19·3	282	23	21·2	19·3	281	29	19·8	18·1	282					22	22·4	21·2	28[illegible]
9·0 ,, .					30	27·6	25·3	273	13	25·6	23·9	284	29	27·6	25·3	278					7	33·4	32·4	26[illegible]

Table IV—Monthly Mean Directions And Velocities of Upper Winds

Winds upto 9 0 km. above mean sea level

November 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Station	AMBALA												AMINI											
Time in I. S. T	1130				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	0·8	0·5	132	30	1·1	1·0	307	30	1·3	0·8	327	30	1·5	1·1	328	30	1·4	0·8	029	30	1·1	0·3	358
0·15 a. g. .	30	2·8	0·6	080	30	3·5	2·9	300	30	5·3	3·0	339	30	3·1	2·0	357	30	2·8	1·4	041	30	2·6	1·2	010
0·3 a. m. s. l. .	30	1·4	0·5	126	30	2·0	1·6	299	30	2·8	1·6	350	30	3·1	2·0	360	30	3·1	2·0	039	30	2·6	1·2	012
0·6 ,, .	30	3·3	0·6	359	30	3·9	3·2	297	30	4·9	3·0	333	30	3·5	2·0	032	30	3·2	2·3	037	30	3·1	1·9	035
0·9 ,, .	30	3·6	1·4	308	30	4·1	3·3	304	30	3·6	2·6	330	30	4·0	2·8	063	30	3·2	2·6	055	30	3·6	2·5	064
1·5 ,, .	30	4·7	3·0	297	30	4·8	4·1	311	30	3·8	2·8	310	29	4·8	4·1	087	28	3·3	2·6	071	28	5·5	4·7	074
2·1 ,, .	30	6·5	4·4	300	30	6·6	4·7	314	30	5·6	4·1	291	28	5·3	4·7	093	26	4·1	2·4	051	26	5·7	4·8	073
3·0 ,, .	30	6·7	4·4	298	30	7·2	5·4	303	30	6·0	4·5	295	27	4·5	2·9	093	25	4·2	3·2	071	26	5·8	4·	081
3·6 ,, .	30	6·7	5·4	290	30	7·9	5·9	300	16	7·4	5·5	284	23	4·3	2·7	106	24	5·0	4·1	084	17	4·9	3·7	082
4·5 ,, .	30	8·8	7·7	290	30	9·1	6·9	298	10	8·2	6·7	282	15	5·5	4·9	098	21	6·1	5·2	085	9	5·1	4·4	111
5·4 ,, .	28	12·6	11·4	284	26	12·0	10·8	286	5	11·0	10·0	269	6	6·1	5·7	099	17	5·8	4·6	089	2	7·5	3·7	095
6·0 ,, .	28	15·7	14·1	284	24	14·4	12·9	279	2	13·6	13·3	281	6	6·3	5·6	110	14	6·1	4·5	087				
7·2 ,, .	22	19·7	18·5	275	16	20·3	19·4	277	1	16·0	16·0	290					8	6·5	5·9	087				
9·0 ,, .	10	28·8	26·5	277	9	28·3	28·0	271									2	7·5	3·5	033				

Station	ANANTAPUR												ASANSOL											
Time in I. S. T.	0530				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	2·0	1·6	082	30	3·7	3·5	078	30	4·1	4·0	091	30	0·5	0·4	265	30	1·2	0·8	349	30	0·8	0·4	303
0·15 a. g. .	30	5·4	5·2	086	30	6·2	6·1	075	30	8·5	8·4	099	26	4·0	2·5	002	30	3·3	2·2	337	30	5·5	3·3	020
0·3 a. m. s. l. .													26	4·0	2·5	008	30	3·5	2·3	338	30	5·6	3·4	022
0·6 ,, .	30	5·7	5·5	092	30	5·5	5·3	075	30	8·3	8·2	099	26	4·5	2·8	005	30	4·1	2·9	331	30	5·2	3·0	005
0·9 ,, .	30	7·4	7·2	089	30	5 6	5·4	074	30	7·9	7·6	098	26	4·4	3·1	345	30	4·4	3·2	328	30	4·2	2·2	341
1·5 ,, .	29	7·1	6·3	066	30	6·0	5·8	074	30	6·2	5·8	074	26	5·4	3·4	317	30	4·7	3·6	310	30	4·7	3·7	298
2·1 ,, .	29	5·8	4·3	060	29	5·1	4·6	074	30	5·4	4·3	063	26	6·5	4·1	312	30	5·5	4·3	300	30	5·9	4·6	302
3·0 ,, .	27	4·5	3·4	074	23	5·3	4·3	073	29	6·1	4·2	075	25	7·5	5·9	290	29	7·8	6·3	294	26	7·4	5·8	293
3·6 ,, .	20	4 6	3·8	080	18	5·5	4·8	063	14	5·3	4 3	084	24	8·5	7·2	281	27	9·2	8·2	290	24	8·6	7·2	284
4·5 ,, .	20	6·1	4·9	069	15	6·3	5·6	062	7	5·1	3·9	085	22	10·6	9·4	281	27	12·6	11·5	286	12	10·9	9·5	273
5·4 ,, .	19	6·4	4·7	070	15	6·7	5·7	052	3	5·7	2 8	065	19	13·8	12·6	288	25	15·4	13·6	282	4	7·5	7·5	278
6·0 ,, .	18	6·1	3·9	066	15	6·9	5·9	041	1	7·0	7·0	171	16	14·1	12·3	291	24	16·0	14·8	286	2	9·5	9·5	273
7·2 ,, .	17	6·2	3·2	051	5	5·4	2·4	004					12	19·2	16·6	297	20	18·9	16·5	286	1	8·0	8·0	276
9·0 ,, .	10	6·7	3·1	090									9	21·8	19·2	292	12	25·0	21·3	286				

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 Km. above mean sea level

November, 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Station	AURANGABAD/CHIKALTHAN												BAHRAICH											
Time in I. S. T.	0530				1730				2330				0530				1130				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	0·2	0·2	090	30	2·1	1·8	054	30	0·6	0·5	037	30	0·5	0·2	093	30	0·4	0·1	122	30	0·6	0·2	287
0·15 a. g. .	30	5·2	4·6	093	30	2·9	2·4	062	30	6·5	5·8	068	28	3·0	0·4	033	29	1·6	0·2	098	30	3·0	1·7	297
0·3 a. m. s. l. .													28	3·0	1·6	312	29	1·6	0·2	256	30	2·9	1·3	292
0·6 ,, .													28	3·1	1·8	304	29	2·1	0·5	293	30	3·1	1·9	292
0·9 ,, .	30	6·5	5·5	110	30	3·2	2·7	063	30	7·2	6·5	071	28	3·5	2·5	314	29	2·6	1·1	301	30	3·4	2·0	296
1·5 ,, .	30	5·1	4·1	091	30	3·1	2·4	067	30	5·9	5·2	087	28	5·5	3·4	310	28	4·9	2·0	309	30	5·6	2·7	295
2·1 ,, .	30	4·0	2·0	052	30	3·5	2·7	058	30	4·4	3·2	092	27	6·9	4·1	303	28	6·6	2·6	303	30	7·3	3·5	300
3·0 ,, .	29	4·3	2·0	007	30	4.5	2·5	045	29	4·2	1·4	055	26	8·2	6·0	305	28	7·0	4·2	310	30	7·6	5·0	306
3·6 ,, .	23	4·0	2·1	004	28	5·4	2·3	018	23	4·9	0·6	359	24	9·1	7·4	303	28	7·9	6·2	302	30	8·9	6·9	305
4·5 ,, .	9	6·3	2·3	277	25	6·6	2·6	349	4	5·0	0·8	286	22	11·5	10·5	296	27	11·0	9·9	297	28	10·6	10·0	299
5·4 ,, .	2	9·0	9·0	262	24	7·0	3·2	339	2	4·5	1·5	291	18	13·6	11·6	294	25	15·2	13·9	290	27	13·9	13·5	288
6·0 ,, .	2	9·0	8·9	259	23	8·9	5·0	329	1	1·0	1·0	020	17	15·3	12·8	292	23	17·7	16·6	291	25	15·8	10·2	288
7·2 ,, .					11	11·4	8·8	302					9	16·2	15·2	311	12	21·2	19·7	278	18	24·5	21·7	283
9·0 ,, .					1	19·0	19·0	250					4	28·5	24·2	299	6	30·2	28·4	270	4	21·5	18·7	289

Station	BANGALORE																BAREILLY							
Time in I. S. T.	0530@				1130				1730@				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	3·6	3·4	076	30	3·2	2·9	066	30	3·3	2·8	074	30	3·2	3·0	091	30	0·7	0·2	359	30	0·9	0·5	282
0·15 a. g. .	28	7·0	6·6	080	30	5·1	4·9	072	28	5·4	4·7	073	30	7·1	6·7	088	27	3·6	1·4	350	30	3·1	2·5	298
0·3 a. m. s. l. .																	27	3·4	1·4	354	30	3·1	2·4	300
0·6 ,, .																	28	4·5	2·9	312	30	3·9	3·4	294
0·9 ,, .																	28	4·8	3·7	305	30	4·4	3·9	294
1·5 ,, .	27	7·2	6·5	067	29	5·2	4·7	070	28	5·3	4·7	064	22	7·3	6·7	076	28	6·0	4·9	301	30	5·7	5·1	295
2·1 ,, .	26	5·9	4.9	066	23	5·0	3·8	067	26	5·0	4·4	070	22	5·1	3·4	059	28	7·0	3·1	334	30	6·9	5·7	304
3·0 ,, .	25	5·1	4·0	086	19	4·8	3·9	071	24	4·8	3·6	072	22	5·5	3·6	075	27	8·4	2·3	316	30	8·6	7·4	306
3·6 ,, .	24	5·6	4·3	088	17	5·6	4·7	073	22	5·5	4·1	073	21	6·2	5·5	077	26	7·8	4·7	321	29	10·0	9·1	306
4·5 ,, .	24	5·8	4·7	079	14	5·9	4·7	068	20	5·7	4·4	077	12	4·6	4·0	087	26	10·7	10·1	300	27	10·7	10·1	303
5·4 ,, .	24	5·9	5·0	078	13	5·7	4·7	076	19	6·3	4·8	078	7	4·1	3·5	100	21	13·9	12·8	289	25	13·4	11·1	292
6·0 ,, .	23	6·0	4·7	077	12	6·1	4·9	057	18	6·6	5·1	075	4	3·7	2·3	127	17	16·6	15·3	279	23	16·0	14·8	291
7·2 ,, .	23	6·0	4·3	062	12	5·3	3·7	051	16	6·4	3·4	080					9	19·0	17·2	2.9	9	19·1	18·4	270
9·0 ,, .	23	5.0	1·3	336	12	5·7	2·2	340	13	4·8	1·7	246					6	26·0	24·0	284	2	21·0	20·3	281

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

November, 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Station	BEGAMPET												BHAGALPUR								BHOPAL/BAIRAGARH			
Time in I. S. T.	0530				1730				2330				0530				1730				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	0·9	0·9	084	30	2·4	2·2	066	30	1·9	1·7	053	30	0·9	0·2	033	30	1·2	0·7	350	30	1·2	0·6	080
0·15 a. g. .	30	3·8	3·5	109	30	4·1	3·9	075	30	5·7	5·2	076	26	2·9	1·0	340	30	3·2	2·2	338	30	5.1	3·0	085
0·3 a. m. s. l. .													26	3·0	1·4	353	30	2·9	2·0	353				
0·6 ,, .	30	2·7	2·5	109	30	3·7	3·4	078	30	4·3	3·9	075	26	3·8	2·3	341	30	3·2	2.3	325	30	4·7	2·7	093
0·9 ,, .	30	5·0	4.5	099	30	4.2	4·0	072	30	5·7	5·4	080	26	3·9	2·0	336	30	3·7	2·3	300	30	4·8	2·8	072
1·5 ,, .	29	5·6	5·0	068	30	4·2	4·1	065	30	5·1	4·7	080	25	4·6	1·8	339	30	4·3	2·6	282	30	3·6	2·1	017
2·1 ,, .	27	5·9	4·4	051	30	4·2	3·6	062	30	3·9	2·6	070	24	4·8	0·8	324	30	6·6	3·4	279	30	4·2	3·2	333
3·0 ,, .	27	5·2	3·6	042	30	4·7	2·9	043	30	4·2	2·1	043	22	6·9	4·0	294	26	8·1	6·0	292	29	6·3	4·8	320
3·6 ,, .	25	5·3	4·0	059	30	5·0	2·3	041	15	3·9	2·2	044	20	8·5	6.4	290	20	8·9	6·9	284	27	7·2	5·7	316
4·5 ,, .	25	5·9	4·3	040	30	5·5	1·7	025					19	10·9	10·1	285	15	10·1	7·8	287	27	9·5	7·9	.299
5·4 ,, .	24	6·2	3·1	029	26	5·9	2·6	019					18	14·8	13·4	280	10	13·3	13·2	293	26	10·4	9·0	293
6·0 ,, .	22	6·7	3·6	028	24	6·2	2·5	355					11	15·1	13·5	292	9	14·3	14·1	290	26	12·3	10·5	291
7·2 ,, .	17	7·5	4·8	001	18	7·6	4·2	328					6	16·2	14·0	275	7	15·3	14·8	292	23	17·1	15·8	284
9·0 ,, .	17	10·4	6·2	318	15	8·7	5·2	305					5	19·2	18·0	285	4	27·4	26·8	283	18	23·4	22·0	286

Station	BHOPAL/ BAIRAGARH								BHUBANESHWAR												BHUJ/RUDRAMATA			
Time in I. S. T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	2·0	1·1	033	30	1·5	1·2	066	30	1·5	0·9	032	30	1·4	0·7	090	30	1·7	0·4	118	30	0·3	0·1	339
0·15 a. g. .	30	4·0	2·6	041	30	5·4	4·1	069	30	3·3	1·5	135	30	3·1	1·5	077	30	4·3	2·5	124	30	4·9	3·0	001
0·3 a. m. s. l. .									30	3·6	1·7	060	30	3·3	1·6	071	30	4·0	2·3	106	30	5·4	3·5	009
0.6 ,, .	30	3·6	2·3	032	30	5·3	3·8	069	30	3·7	2·8	059	30	3·0	1·7	050	30	3·0	1·7	061	29	5·1	3·0	037
0·9 ,, .	30	4·0	2·4	028	30	5·0	3·5	070	30	3·9	3·3	050	30	2·9	2·2	015	30	3·2	2·2	026	29	4·1	2·0	078
1·5 ,, .	30	3·7	2·0	005	30	3·2	1·1	028	30	4·1	2·6	036	30	3·7	2·6	005	30	4·0	2·7	019	30	4·0	1·7	126
2·1 ,, .	30	4·1	3·1	345	30	3·7	2·1	331	29	3·8	1·6	019	30	3·9	2·4	010	30	3·8	2.3	360	29	3·6	0 8	097
3·0 ,, .	30	7·0	5·0	311	29	6·3	4·2	317	29	4·5	2.3	305	28	4·5	2·4	297	27	4·2	2·6	294	29	3·9	0·7	315
3·6 ,, .	29	8·0	6·0	296	22	8·0	6·0	309	29	5·5	3·6	293	28	5·0	4·2	294	11	5·9	5·1	268				
4·5 ,, .	28	9·4	7·7	291	2	9·5	9·3	284	28	7·0	5·2	294	21	6·6	4·8	302	1	5·0	5·0	345				
5·4 ,, .	27	11·5	9·6	285					24	8·3	6·5	286	19	8·0	7·5	303								
6·0 ,, .	27	13·8	11·5	285					21	10·0	8·6	280	18	11·4	9·5	301								
7·2 ,, .	27	18·3	15·2	280					15	12·9	10·2	288	9	12·6	11·3	285								
9.0 ,, .	15	25·1	22·3	274					3	8·9	7·4	315	2	10·0	9·8	325								

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

November, 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Station	BHUJ/RUDRAMATA								BIKANER												BOMBAY/SANTA CRUZ			
Time in I.S.T.	1730				2330				0530				1730				2330				*0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	3·0	1·7	048	30	1·2	0·7	317	30	0·6	0·5	228	30	0·5	0·2	289	30	0·8	0·0	336	30	1·2	1·0	0
0·15 a. g. .	30	4·3	2·3	031	30	4·8	2·9	342	30	6·7	1·9	211	30	3·3	1·5	299	30	6·6	1·2	040	30	4·9	4·1	0
0·3 a.m.s.l. .	30	4·3	2·3	028	30	4·8	3·1	354	30	5·9	2.3	196	30	2·8	1·5	308	30	6·1	1·2	049	30	5·3	4·1	0
0·6 ,, .	30	3·8	2·1	029	30	4·2	2·9	025	30	6·1	1·9	238	30	3·5	1·9	319	30	5·4	0·8	245	30	5·9	4·3	0
0·9 ,, .	30	3·7	2·2	025	30	4·0	3·0	045	30	4·6	2·2	261	30	3·6	1·5	309	30	3·7	0·5	249	30	5·6	4·2	0
1·5 ,, .	30	3·4	1·5	045	30	4·9	2·9	088	30	4·3	3·3	240	30	3·5	2·2	290	30	3·7	2·9	240	30	4·7	3·9	0
2·1 ,, .	30	3·5	1·0	088	30	4·7	1·6	093	30	5·3	4·0	287	30	4·6	3·5	264	30	4·9	3·6	254	30	5·0	3·6	1
3·0 ,, .	30	5·0	1·4	289	30	4·8	0·5	289	30	6·1	4·9	288	30	6·5	5·2	277	28	6·3	5·2	282	30	4·9	1·8	0
3·6 ,, .	30	6·1	2·8	298	1	7·0	7·0	241	30	7·9	6·7	288	30	8·9	7·6	282	13	7·7	6·9	289	30	5·3	1·4	0
4·5 ,, .	29	7·8	4·4	275					30	10·9	9·6	282	29	11·5	10·4	286	4	9·5	8·5	283	30	6·5	0·8	0
5·4 ,, .	29	9·1	7·0	272					29	15·3	13·9	279	29	14·5	13·1	284	1	20·0	20·0	270	30	6·6	1·4	2
6·0 ,, .	29	10·3	8·5	273					29	17·2	15·9	278	28	17·4	15·9	282					30	7·4	2·9	2
7·2 ,, .	1	8·0	8·0	270					22	25·1	21·6	275	18	22·1	20·6	275					30	10·1	6·9	2
9·0 ,, .									5	30·0	21·3	275	2	24·5	23·1	276					28	14·2	13·1	2

Station	BOMBAY/SANTACRUZ												CALCUTTA/DUM DUM											
Time in I.S.T.	1130				1730*				2330				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	
Surface	30	1·8	1·5	073	30	3·1	2·7	318	30	0·9	0·8	041	30	0·4	0·2	249	30	1·3	0·8	313	30	0·3	0·2	
1·15 a. g. .	30	3·7	3·2	068	30	5·1	4·4	320	30	4·6	4·0	027	30	5·2	2·3	356	30	3·3	2·2	329	30	4·5	2·8	
0·3 a.m.s.l. .	30	3·8	3·4	087	30	4·6	3·8	322	30	5·6	4·8	024	30	5·1	2·3	352	30	3·6	2·4	330	30	4·6	2·9	
0·6 ,, .	30	4·4	3·9	092	30	3·9	2·7	338	30	6·1	5·0	024	30	4·9	2·4	341	29	3·9	2·8	324	30	4·1	2·5	
0·9 ,, .	30	4·3	3·8	097	30	3·5	2·1	015	30	5·6	4·3	035	30	4·5	3·2	338	29	4·3	2·9	323	30	4·1	3·1	
1·5 ,, .	30	3·0	2·2	099	30	4·3	3·3	065	30	4·6	3·6	073	30	4·9	3·4	322	30	5·2	3·2	317	30	4·8	3·5	
2·1 ,, .	30	3·4	1·7	088	30	5·6	5·1	083	30	5·7	5·2	111	30	5·0	2·9	309	29	6·3	4·2	300	30	5·7	3·9	
3·0 ,, .	30	4·5	2·4	073	30	5·5	3·6	081	30	4·8	3·5	118	30	6·1	4·7	295	29	7·5	5·3	296	30	7·1	5·4	
3·6 ,, .	30	5·4	2·0	072	30	5·2	2·0	082	23	4·1	0·9	110	30	7·6	6·2	295	25	8·6	6·4	299	30	7·8	6·5	
4·5 ,, .	29	6·1	1·2	107	30	5·9	0·9	131	20	5·7	0·2	095	30	9·8	8·1	289	25	12·0	9·6	292	30	10·3	8·8	
5·4 ,, .	26	6·1	2·1	297	30	6·8	2·3	284	13	5·4	1·3	281	30	12·1	10·4	288	22	15·2	13·0	290	30	12·1	10·6	
6·0 ,, .	26	7·1	3·9	286	30	7·1	3·4	276	9	6·6	4·1	276	30	13·8	12·0	289	19	16·4	14·3	285	30	13·9	12·3	
7·2 ,, .	26	9·9	7·5	273	29	10·9	8·3	273	2	6·0	5·7	291	30	16·9	14·7	285	11	21·5	18·3	288	30	17·3	15·3	
9·0 ,, .	22	14·2	13·0	258	28	15·8	14·1	284					30	22·3	19·7	284	4	25·3	17·9	297	30	22·3	19·8	

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

November, 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Station	CALCUTTA/ DUMDUM				COCHIN/WILLINGDON†												DEHRA DUN							
Time in I.S.T	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	0·7	0·3	334	30	1·3	1·1	058	30	2·2	1·7	283	30	0·9	0·5	039	30	0·3	0·2	002	30	0·6	0·4	250
0·15 a.g.	30	5·0	1·9	345	28	3·2	2·6	075	26	3·5	2·6	278	27	2·9	1·2	103	30	1·5	0·8	055	30	2·5	2·0	278
0·3 a.m.s.l.	30	5·0	2·3	343	28	2·8	2·0	071	26	3·6	2·6	285	27	3·0	0·9	121								
0·6 ,,	30	4·0	2·2	332	28	2·6	1·8	061	26	2·9	1·0	331	27	3·1	0·9	081								
0·9 ,,	30	3·8	2·4	322	28	2·6	1·9	066	26	3·7	1·6	055	27	3·6	2·0	082	30	1·3	0·8	086	30	2·5	2·0	273
1·5 ,,	30	4·3	3·2	310	28	3·9	3·1	060	25	4·3	3·8	066	26	4·2	3·3	072	30	1·6	0·4	262	30	2·2	1·6	280
2·1 ,,	30	5·1	3·7	307	26	4·5	3·1	068	23	5·2	4·4	065	26	4·9	4·5	069	30	2·6	1·2	291	30	3·0	1·4	298
3·0 ,,	22	6·4	4·9	295	20	5·3	2·9	092	23	4·3	3·2	076	24	4·6	3·2	077	30	5.2	3·7	300	28	5·2	2·9	308
3·6 ,,	7	6·0	3·6	300	17	5·0	3·9	089	22	4·2	3·0	074	15	3·7	2·1	098	28	6·9	5·4	297	26	5·8	3·8	300
4·5 ,,	1	11·0	11·0	281	10	6·1	5·1	093	20	5·1	3.6	089	6	4·2	3.5	085	25	9·8	8.7	294	25	7·1	5·9	310
5·4 ,,					5	5·8	5·7	100	18	5·6	4·5	085	2	2.5	0.5	045	22	13.2	11.4	283	23	10·5	9·8	292
													1	2.0	2.0	030								
6·0 ,,					4	5·0	4·7	098	10	6·3	5·5	092					19	15·3	14.0	276	22	13·2	12·3	282
7·2 ,,					2	5·0	5·0	098	9	5·9	4·9	084					17	20·7	19.7	271	16	18·3	17·7	281
9·0 ,,					2	3·0	1·1	315	4	4.0	1·7	093					2	18.5	18·4	270	1	30·0	30·0	261

Station	DIBRUGARH/MOHANBARI																GADAG							
Time in I.S.T.	0530				1130				1730				2330				0580				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	1·3	1·1	054	30	0·8	0·7	048	30	0·4	0·4	045	30	0·7	0·6	055	30	4·7	4·3	106	30	3·7	3·5	082
0·15 a.g.	27	4·9	4·4	057	30	2·5	2·1	049	29	2·1	1·9	060	28	3·5	2·8	054	30	7·4	7·2	106	30	5·0	4·8	079
0·3 a.m.s.l.	27	5·0	4·6	050	30	2.6	2·3	051	29	2·2	2·1	302	28	3·2	2·5	055								
0·6 ,,	27	4·6	4·5	048	29	2.7	2.5	054	29	2·7	2·5	061	28	3·0	2·5	060								
0·9 ,,	27	3·9	3·6	053	28	2·7	2·5	058	29	2·8	2·4	068	27	3·1	2·7	070	30	8·0	7·8	107	30	5·5	5.3	080
1·5 ,,	27	2·4	1·9	072	28	2·3	0·6	073	28	2·6	0·3	183	27	2·5	1·8	057	30	8·0	7·6	082	30	5·7	5·4	078
2·1 ,,	27	3·0	0·7	069	26	2·4	0·5	146	28	3·6	2·1	197	26	3·1	0·4	246	30	6·3	5·1	069	30	5·0	4·6	076
3·0 ,,	26	3·5	0·2	141	26	2·9	1·2	193	28	4·4	2·1	193	24	3·8	0·5	260	29	6·0	4·8	084	30	4.9	4·2	076
3·6 ,,	24	4·6	0·3	048	25	3.8	1·6	209	26	4·1	1·0	196	21	4·3	0·4	082	29	6·1	4·9	081	29	5·4	4·5	077
4·5 ,,	22	7·6	3·0	284	24	8·3	3.9	271	25	8·4	3·6	277	5	9·0	1·8	025	29	5·7	4·3	086	28	5·2	3.5	082
5·4 ,,	16	13·6	10·7	269	24	13.2	9.3	271	23	12·3	6·8	282	2	2.5	2.5	078	28	5.7	4.1	060	25	5·8	4·3	068
6·0 ,,	10	15·3	11·7	286	22	15·5	12.3	268	19	13.9	10.4	281	2	5·5	1·5	283	27	5·8	3·9	058	25	5·4	3·2	057
7·2 ,,	2	15.5	12·5	314	12	17.8	12.6	283	12	17·5	14·7	258	1	3·0	3·0	313	27	6·4	1.4	050	24	6·4	1·8	028
9·0 ,,					12	24·9	20·3	277									27	8.2	2.8	271	18	8·1	3.1	295

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

November, 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Station	GADAG				GANGTOK								GAUHATI											
Time in I.S.T.	2330				0830				1730				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	5·1	4·8	095	30	0·4	0·3	008	30	0·9	0·8	164	30	0·3	0·2	045	30	1·7	1·4	046	30	0·5	0·5	0
0·15 a. g. .	30	8·9	8·6	088	26	1·2	0·3	031	25	2·2	2·1	167	30	2·4	2·0	073	29	3·1	2·7	055	30	3·5	3·4	0
0·3 a.m.s.l. .													30	3·0	2·7	072	29	3·6	3·3	081	30	3·6	3·3	0
0·6 ,, .													30	4·4	3·9	078	29	4·3	4·0	084	30	3·5	2·8	0
0·9 ,, .	30	9·5	9·3	085									30	4·7	3·6	086	26	5·0	4·6	093	30	3·5	2·1	0
1·5 .. .	30	7·0	6·7	080									30	5·0	1·7	257	25	4·2	3·7	104	30	4·4	1·2	1
2·1 .. .	30	5·9	5·2	078	26	0·9	0·0	270	25	2·1	2·0	173	30	5·0	0·8	236	25	4·0	3·0	114	30	4·8	2·1	2
3·0 ,, .	30	5·2	4·1	082	26	1·7	0·4	144	25	1·4	0·2	356	30	6·2	0·9	263	25	5·1	2·3	204	30	5·8	2·4	2
3·6 ,, .	30	5·3	4·0	085	26	1·7	0·3	053	25	2·2	1·6	309	30	7·2	4·3	271	24	8·0	4·3	274	30	7·6	4·6	2
4·5 ,, .	27	5·3	3·5	075	23	6·3	3·6	268	25	6·0	4·8	267	30	11·1	9·6	259	23	12·0	9·8	281	29	11·9	10·0	2
5·4 ,, .	15	4·6	1·8	039	22	12·6	10·4	266	21	12·8	10·7	269	30	15·0	13·1	266	22	17·7	16·1	282	29	17·0	15·2	2
6·0 ,, .	8	3·6	0·9	264	22	16·0	13·6	271	17	11·8	10·3	281	30	17·9	16·2	273	22	19·4	16·2	273	29	18·8	17·2	2
7·2 ,, .	1	8·0	8·0	250	21	20·7	18·9	270	15	17·7	16·4	279	30	24·0	19·7	274	19	23·0	20·1	279	28	23·3	20·6	2
9·0 ,, .					10	23·2	20·3	286	8	21·4	19·0	288	30	32·8	30·4	275	14	34·3	32·2	279	28	30·4	28·2	2

Station	GAUHATI				GAYA												GOA/DABOLIM							
Time in I.S.T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	0·5	0·4	062	30	0·7	0·5	155	30	1·2	0·9	341	30	0·8	0·6	143	30	2·6	2·5	046	30	5·6	4·2	2
0·15 a. g. .	30	2·5	2·1	086	29	3·0	1·7	226	30	3·0	2·2	339	30	3·2	0·9	075								
0·3 a.m.s.l. .	30	2·9	2·6	091	29	3·0	0·8	218	30	3·2	2·6	335	30	3·2	0·9	068	30	5·3	4·1	080	30	4·5	3·2	2
0·6 ,, .	30	3·8	3·4	090	29	3·4	1·0	308	30	3·3	2·4	319	30	3·5	1·8	335	30	6·6	5·3	093	30	3·3	0·4	2
0·9 ,, .	29	3·9	2·7	088	29	3·7	2·4	305	30	3·4	2·4	309	30	4·3	2·9	319	30	7·5	6·4	096	29	3·3	2·2	0
1·5 ,, .	29	4·6	1·7	086	29	5·4	4·0	304	30	4·4	3·0	287	30	5·2	4·1	295	30	7·3	6·7	101	29	6·5	6·1	0
2·1 ,, .	27	4·1	1·7	101	29	6·7	4·3	301	30	6·0	4·5	292	29	5·9	4·1	295	29	5·6	4·5	093	27	8·8	8·1	0
3·0 ,, .	26	6·0	1·3	084	28	7·9	6·3	295	29	8·4	7·1	295	28	7·8	5·9	293	3	5·8	5·7	040	25	8·2	7·1	0
3·6 ,, .	15	6·8	1·0	315	28	10·1	8·3	294	29	10·0	8·1	295	18	8·6	6·9	290	2	7·7	7·5	085	15	5·3	4·1	0
4·5 ,, .	4	11·3	6·9	288	26	12·0	10·3	293	26	12·1	11·0	296	1	7·0	7·0	245					5	5·0	4·5	1
5·4 ,, .	1	4·0	4·0	355	22	14·2	12·4	292	26	13·5	12·9	289									1	2·0	2·0	1
6·0 ,, .					20	15·4	13·9	291	23	16·5	15·1	294									1	1·5	1·5	2
7·2 ,, .					10	17·0	16·3	279	18	18·5	14·9	291												
9·0 ,, .					2	21·5	21·3	273	2	16·5	16·5	291												

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

November, 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Station	GOA/DABOLIM				GOPALPUR												GORAKHPUR							
Time in I.S.T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	3·3	3·0	014	30	2·7	2·6	333	30	2·5	1·7	104	30	1·2	0·5	355	30	0·4	0·1	078	30	0·4	0·2	283
0.15 a.g.					30	4·7	4·1	350	30	4·0	3·5	080	30	3·4	1·9	087	24	2·4	0·8	211	30	2·0	1·2	288
0·3 a.m.s.l.	30	4.8	4·4	356	30	3·7	2·9	038	30	3·9	3·4	072	30	3·2	2·4	090	24	2·5	0·9	248	30	2·1	1·4	287
0·6 ,,	30	5·3	3·9	009	30	3·5	2·7	064	30	4.3	3·7	050	30	3·6	2·8	071	24	2·5	1·2	298	30	2·6	1·9	277
0·9 ,,	30	4·6	2·7	042	29	4·2	3·6	063	30	4·3	3·7	034	30	3·9	3·2	055	24	3·5	1·2	298	30	3·1	2·1	280
1·5 ,,	30	6·7	5·2	087	28	4·8	4·0	057	30	4·5	3·2	015	27	4·7	3·9	035	24	4·3	1·4	290	30	4·7	2·7	290
2·1 ,,	29	8·6	7·9	086	26	4·1	1·7	047	27	4·3	2·6	006	25	3·9	1·5	025	23	4·9	0·6	312	30	6·7	4·0	293
3·0 ,,	17	9·3	8·8	092	22	4·4	1·0	322	26	4·3	2·4	288	24	3·4	1·6	297	22	6·3	3·1	293	30	7·7	5·8	303
3·6 ,,	8	7·0	6·5	090	20	4·2	2·3	289	26	5·0	2·7	288	3	7·0	6·1	255	21	8·3	5·4	290	29	8·7	6·2	296
4·5 ,,					15	4·2	2·6	291	25	6·4	4·2	317					20	10·5	8·7	285	25	10·4	9·7	297
5·4 ,,					14	7·0	5·8	273	25	7·6	5·5	305					17	14·2	13·2	284	23	14·3	13·0	290
6·0 ,,					14	9·0	7·7	274	25	9·0	6·2	296					14	15·3	14·0	284	20	16·1	14·5	285
7·2 ,,					3	14·3	13·6	262	12	12·4	8·9	292					1	33·0	33·0	266	4	21·4	18·9	277
9·0 ,,									3	13·7	13·0	273									1	37·0	37·0	275

Station	GWALIOR																IMPHAL/TULIHAL							
Time in I.S.T.	0530				1130				1730				2330				0530				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	0·3	0·2	251	30	1·2	0·2	300	30	0·9	0·7	346	30	0·1	0·1	225	30	0·1	0·1	090	30	0·4	0·3	179
0·51 a.g.	30	4·1	0·3	253	30	2·1	0·3	346	30	2·9	2·0	004	30	4·1	1·4	106	25	1·6	1·3	061	29	1·3	0·8	194
0·3 a.m.s.l.	30	3·5	1·0	228	30	2·1	0·1	272	30	2·6	1·7	002	30	3·6	1·4	120								
0·6 ,,	30	3·8	0·9	014	30	2·1	0·4	348	30	3·0	2·0	003	30	3·4	0·5	057								
0·9 ,,	30	3·7	2·3	346	30	2·7	1·3	331	30	2·9	2·0	350	30	3·1	1·1	334	25	1·6	1·3	061	29	1·3	0·9	190
1·5 ,,	30	5·1	4·1	334	30	4·7	3·2	331	30	3·1	2·3	329	30	4·6	3·4	315	25	3·0	1·9	072	30	3·0	1·8	155
2·1 ,,	30	6·4	5·3	329	30	5·2	4·3	328	30	5·0	3·8	320	30	5·9	4·8	307	25	4·4	2·2	150	30	5·0	2·4	199
3·0 ,,	30	7·1	5·7	308	30	7·1	6·2	307	30	7·9	6·9	309	27	6·6	5·6	303	20	6·0	2·7	212	29	7·1	4·0	244
3·6 ,,	30	8·6	7·2	301	30	8·5	7·6	295	30	9·3	8·7	304	1	4·0	4·0	330	18	7·0	3·2	254	24	8·6	5·3	256
4·5 ,,	30	11·5	10·1	292	30	11·3	10·4	291	30	11·9	10·8	295					14	11·0	8·0	281	21	12·4	9·1	268
5·4 ,,	29	14·3	12·9	289	30	14·3	11·9	288	29	13·4	12·1	290					8	12·0	11·6	277	18	16·3	12·0	275
6·0 ,,	28	16·7	15·3	286	30	16·8	15·0	286	29	15·6	14·2	287					8	15.4	14·0	276	12	16·3	11·1	290
7·2 ,,	28	20·5	19·0	279	29	19·9	18·1	283	26	19·9	17·6	282					4	20·0	18·5	277	8	19·1	15·9	278
9·0 ,,	18	27·6	25·3	275	19	26·7	23·9	272	9	25·3	23·6	272									1	32·0	32·0	290

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9 Km. above mean sea level

November, 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Station	IMPHAL/TULIHAL								JABALPUR												JAGDALPUR			
Time in I.S.T.	1730				2330				0530				1730				2330				0530			
Ht. in Km	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	1·0	0·1	210	30	0·4	0·4	045	30	0·5	0.5	151	30	0·9	0·7	017	30	0·3	0·1	105	30	0·2	0·2	07
0·15 a.g. .	30	2·6	1·1	229	30	2·6	1·9	051	30	3·4	1·9	122	30	3·2	2·4	007	30	5·2	2·8	058	30	3·1	2·7	07
0·3 a.m.s.l. .																								
0·6 ,, .									30	3·9	1·8	109	30	3·2	2·4	007	30	5·4	2·9	060	30	1·6	1·3	07
0·9 ,, .	30	2·7	1·1	232	30	2·6	1·9	062	30	4·2	1·7	033	30	3·4	2·3	003	30	4·6	2·7	042	30	3·7	3·6	07
1·5 ,, .	30	2·3	1·3	189	30	2·7	0·7	173	30	3·9	2·8	352	30	3·7	2·6	348	30	3·5	2·2	353	30	4·4	3·3	04
2·1 ,, .	30	4·2	2·3	227	30	4·4	1·3	211	30	5·0	4·3	329	30	4·3	3·5	318	30	5·0	3·8	307	30	4·4	2·7	03
3·0 ,, .	30	7·4	5·2	254	29	7·3	3·0	255	30	6·3	5·1	318	29	6·3	5·0	319	30	6·8	5·4	299	28	4·2	1·7	35
3·6 ,, .	26	8·9	6·8	265	24	9·0	4·0	264	30	8·3	6·5	312	29	8·6	7·0	304	29	9·1	7·3	302	28	5·0	2·8	350
4·5 ,, .	22	13·1	10·6	277	5	12·4	12·2	268	28	10·7	8·8	307	29	10·9	9·4	296	21	10·1	8·5	291	27	6·1	3·7	336
5·4 ,, .	19	15·2	10·9	286	1	10·0	10·0	255	28	12·1	10.7	293	29	13·9	12·4	285	5	12·2	11·7	280	26	7·0	5·6	325
6·0 ,, .	17	18·1	14·1	286	1	14·0	14·0	260	28	13·8	11·6	286	29	15·6	13·3	285	2	13.0	12·9	272	25	8·3	4·7	316
7·2 ,, .	14	21·6	17·2	282					24	18·7	17·3	278	25	20·0	17·0	283					24	10·1	7·0	300
9·0 ,, .	3	28·0	23·4	289					16	26·4	25·7	276	15	22·7	20·6	286					22	13·3	11·2	280

Station	JAGDALPUR								JAIPUR/SANGANER												JAMSHEDPUR			
Time in I.S.T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	1·1	0·9	051	30	0·9	0·7	060	30	0·4	0·2	029	30	0.7	0·5	307	30	0·8	0·5	063	30	0·6	0·5	299
0·15a.g. .	30	3·4	2·5	049	30	5·7	4·9	070	30	4·3	0·8	201	30	2·8	0·9	295	30	5·6	0·8	106	30	2·6	1·9	302
0·3 a.m.s.l. .																					30	2·7	1·4	319
0·6 ,, .	30	2·4	1·9	048	30	3·9	3·4	072	30	4·6	1·0	209	30	2·9	0·9	285	30	5·9	0·9	114	30	3·3	1·4	337
0·9 ,, .	30	3·8	3·1	043	30	5·9	5·1	070	30	4·5	1·9	231	30	2·7	1·2	302	30	4·6	0·6	199	30	3·9	2·4	340
1·5 ,, .	30	3·5	3·1	031	30	3·6	2·9	060	30	4·2	2·4	295	30	3·1	2·0	307	30	3·2	1·9	265	30	4·8	2·9	322
2·1 ,, .	30	3·1	1·9	027	30	3·3	1·1	024	30	5·6	4·3	320	30	4·5	3·6	312	30	4·6	3·1	292	30	6·1	3·2	309
3·0 ,, .	30	3·7	1·1	351	29	4·1	1·5	333	30	6·3	5·5	312	30	7·3	6·3	300	30	6·9	5·3	308	26	6·7	4·4	238
3·6 ,, .	29	4·6	2·3	327	25	4·6	2·2	333	29	7·6	6·4	302	30	9·4	8·1	299	15	8·9	7·7	297	26	7·5	6·0	283
4·5 ,, .	27	6·0	3·9	320	17	4·7	2·1	330	28	10·5	9·0	295	29	11·6	10·4	290	1	5·0	5·0	259	24	10·2	8·0	287
5·4 ,, .	27	8·4	5·7	316	11	5·0	2·0	294	26	12·8	10·8	292	25	14·5	13·2	285					18	14·3	11·9	286
6·0 ,, .	27	9·4	6·5	300	7	7·6	4·2	323	21	14·9	13·2	282	23	16·7	10·8	285					15	14·4	12·3	278
7·2 ,, .	24	10·6	3·6	344					5	16·4	14·0	273	12	20·8	19·3	279					4	13·0	10·9	289
9·0 ,, .	18	13·5	5·5	285																	2	11·5	8·6	305

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

November, 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Station	JAMSHEDPUR				JHARSUGUDA												LUCKNOW/AMAUSI							
Time in I.S.T.	1730				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	0·7	0·4	308	30	1·6	1·5	046	30	0·8	0·2	003	30	0·5	0·4	036	30	0·4	0·1	175	30	0·7	0·6	319
0·15 a.g. .	30	2·4	1·4	298	30	3·7	2·6	056	30	2·6	0·8	022	30	3·0	0·5	144	26	3·4	1·4	318	30	3·4	2·8	321
0·3 a.m.s.l. .	30	2·5	1·3	301	30	3·2	2·5	051	30	2·4	0·7	024	30	2·7	0·5	067	26	3·4	1·6	310	30	3·3	2·8	321
0·6 ,, .	30	3·0	1·7	316	30	4·4	2·2	071	30	2·5	0·9	003	30	2·9	0·3	239	26	3·6	2·3	312	30	3·4	2·9	310
0·9 ,, .	30	3·2	1·8	324	30	3·2	1·4	072	30	2·5	1·2	349	30	2·6	0·6	337	26	4·1	2·6	316	30	3·8	3·2	306
1·5 ,, .	30	4·1	3·1	317	30	3·0	1·8	356	30	3·0	1·9	350	30	2·9	1·4	353	26	5·9	4·1	309	30	5·4	4·4	310
2·1 ,, .	30	6·0	4·7	307	30	4·3	2·8	329	30	4·1	2·6	329	30	3·6	2·0	301	26	6·8	4·9	315	29	6·5	5·4	314
3·0 ,, .	30	7·0	6·2	290	29	5·3	4·0	308	30	5·6	4·2	309	30	5·1	3·8	305	25	7·5	6·2	305	29	8·3	7·1	307
3·6 ,, .	28	9·1	8·0	282	28	7·0	5·8	301	30	7·3	5·9	299	4	6·3	5·4	300	25	9·6	8·5	301	29	10·0	9·2	301
4·5 ,, .	28	11·7	10·1	284	25	9·0	7·6	297	29	9·7	8·2	300					24	12·7	11·5	296	29	12·5	11·7	296
5·4 ,, .	23	14·5	12·5	282	24	11·2	9·0	298	29	12·4	10·8	297					23	14·3	13·2	288	27	15·7	14·5	290
6·0 ,, .	21	15·4	13·7	279	23	13·2	10·9	299	27	14·1	11·8	246					22	16·6	14·7	285	27	17·7	15·6	289
7·2 ,, .	7	13·7	12·1	288	18	14·4	13·5	286	23	17·6	16·0	285					13	19·4	16·8	290	23	20·7	19·0	287
9·0 ,, .	1	26·0	26·0	270	15	22·1	21·8	282	17	24·4	22·0	285					5	26·4	18·2	300	9	26·2	22·8	291

Station	LUCKNOW/ AMAUSI				MADRAS/MINAMBAKKAM																MANGALORE/ BAJPE			
Time in I.S.T.	2330				0530*				1130				1730*				2330				0530			
Ht. in Km	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	0·2	0·1	299	30	4·6	4·1	020	30	3·3	2·8	018	30	4·9	4·5	026	30	2·0	1·7	015	30	1·6	1·3	089
0·15 a.g. .	30	2·7	1·5	331	30	6·3	5·5	020	30	5·2	4·2	031	30	6·9	6·5	028	30	6·4	5·9	037	29	4·7	3·5	076
0·3 a.m s.l. .	30	2·6	1·6	329	30	6·4	5·6	030	30	5·8	5·0	040	30	7·0	6·7	033	30	7·1	6·7	044	29	4·9	3·6	075
0·6 ,, .	30	3·5	2·3	314	30	6·4	5·7	043	30	7·0	6·1	046	30	7·1	6·6	045	30	7·8	7·3	051	29	5·3	3·7	075
0·9 ,, .	30	4·5	3·3	310	30	6·4	5·8	050	29	7·2	6·3	050	30	7·4	6·8	045	29	7·7	7·3	055	29	5·2	4·1	076
1·5 ,, .	30	5·9	4·5	306	30	6·6	5·5	053	22	6·8	6·2	056	30	6·0	5·4	050	28	7·4	6·7	061	29	5·3	4·7	082
2·1 ,, .	29	6·7	4·8	302	30	6·0	4·6	062	16	5·7	4·0	064	30	5·6	4·5	053	24	5·7	4·8	059	28	5·5	3·8	082
3·0 ,, .	24	6·9	5·1	304	30	5·3	4·2	078	12	6·7	6·1	082	30	5·6	4·4	059	16	4·7	3·3	073	27	4·8	3·9	086
3·6 ,, .	12	7·8	6·0	290	30	5·5	4·5	075	8	7·0	5·5	083	30	5·4	4·4	058	7	5·4	4·7	074	25	4·7	3·1	086
4·5 ,, .					29	5·9	4·6	075	5	7·6	6·6	053	30	5·9	4·7	070	5	9·0	8·1	080	25	6·1	4·6	084
5·4 ,, .					29	5·9	4·4	064	4	9·5	8·5	032	30	6·3	4·8	070	1	12·0	12·0	040	23	5·9	4·5	079
6·0 ,, .					29	6·7	5·0	064	4	9·7	8·5	029	30	6·5	4·7	072	1	10·0	10·0	030	20	6·4	5·1	078
7·2 ,, .					28	6·5	4·0	056	3	10·7	8·2	002	30	6·2	3·7	058	1	11·0	11·0	020	14	5·4	3·9	067
9·0 ,, .					28	5·5	1·7	301	3	8·3	6·8	335	30	6·1	0·3	261	1	8·0	8·0	345	9	4·4	2·0	278

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

November, 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Station	MANGALORE/BAJPE								MINICOY															
Time in I.S.T.	1730				2330				0530				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	3·2	2·7	279	30	0·8	0·3	074	30	1·2	0·6	072	30	1·6	0·7	067	30	1·5	0·8	033	30	1·4	1·0	058
0·15 a.g. .	29	4·6	3·6	290	29	3·4	1·3	336	30	3·3	0·7	055	29	3·7	1·6	061	29	2·8	1·5	040	30	3·0	1·6	052
0·3 a. m. s.l..	29	4·4	3·3	298	29	3·4	1·2	332	30	3·6	0·7	054	29	3·7	1·6	052	29	3·1	1·9	040	30	3·1	1·6	045
0·6 ,, .	29	3·3	1·2	007	29	3·2	1·3	350	30	3·7	1·4	061	29	3·9	2·1	056	29	3·6	2·1	055	30	3·3	2·1	054
0·9 ,, .	29	3·7	2·3	064	29	3·7	1·9	037	28	3·7	2·3	067	28	4·2	2·8	063	29	3·6	2·6	056	29	3·6	2·9	067
1·5 ,, .	29	6·4	5·9	078	28	6·1	5·3	072	27	4·6	3·8	061	26	4·9	4·0	066	29	3·6	2·8	065	29	4·1	3·6	074
2·1 ,, .	29	7·1	6·5	084	28	7·9	7·0	078	24	4·7	4·1	066	23	4·8	4·0	064	28	4·3	2·6	065	27	4·7	4·0	077
3·0 ,, .	27	4·9	3·7	080	24	4·8	3·4	084	23	3·9	2·8	089	20	3·6	3·1	086	27	4·2	3·0	070	25	4·4	3·7	078
3·6 ,, .	25	5·5	4·1	073	17	4·5	3·4	085	23	3·6	3·1	096	19	3·7	3·2	092	26	4·3	3·1	076	21	3·7	2·9	083
4·5 ,, .	23	5·7	4·8	074	13	4·6	3·4	086	19	4·0	3·3	106	13	5·3	4·4	095	26	5·0	3·9	082	10	5·5	4·5	085
5·4 ,, .	22	5·6	4·3	072	3	4·3	1·4	353	16	6·3	5·5	081	11	6·2	5·9	094	25	6·6	5·5	080	2	7·5	7·1	086
6·0 ,, .	22	5·2	4·0	082	1	4·0	4·0	100	14	6·2	5·6	084	8	6·1	5·4	094	25	7·2	6·1	087	1	8·0	8·0	070
7·2 ,, .	17	6·0	4·2	087					12	7·4	6·5	077	7	7·3	6·2	092	25	7·6	6·7	088				
9·0 ,, .	14	5·1	2·2	338					10	6·8	5·6	100	4	7·7	7·5	099	25	5·9	4·4	102				

Station	NAGPUR/SONEGAON																NEW DELHI/SAFDARJUNG							
Time in I.S.T.	0530*				1130				1730*				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	0·4	0·3	020	30	1·2	0·8	070	30	0·5	0·4	051	30	0·9	0·2	008	30	1·2	0·7	303	30	2·3	1·9	271
0·15 a.g. .	30	2·8	2·1	070	30	2·7	1.9	050	30	1·9	1·6	055	30	5·7	4·1	100	30	4·2	2·0	298	30	3·4	2·1	282
0·3 a m. s.l. .																	30	3·6	1·7	300	30	3·5	2·7	259
0·6 ,, .	30	2·7	2·2	076	30	3·0	2·2	068	30	2·0	1·7	058	30	5·7	4·8	068	30	4·2	2·2	306	30	4·0	2·6	293
0·9 ,, .	30	2·9	2·3	081	30	3·2	2·2	080	30	2·2	1·8	054	30	5·1	3·8	097	30	5·0	3·4	308	30	4·7	3·5	300
1·5 ,, .	30	2·7	2·0	039	30	3·4	2·6	043	30	2·7	2·1	029	30	4·1	3·0	040	30	7·6	5·9	306	30	6·9	4·9	310
2·1 ,, .	30	3·6	3·1	018	30	4·6	3·7	011	30	3·4	2·9	357	30	4·6	3·8	006	30	7·8	6·3	307	30	6.4	5·2	314
3·0 ,, .	30	4·1	3·0	351	30	5·4	3·8	354	30	4·8	3·8	346	30	4·8	3·1	335	30	7·5	6 8	308	30	6·8	5·9	305
3·6 ,, .	30	5·4	4·1	338	29	6·2	3·8	332	30	5·3	3·5	335	25	5·5	3·8	332	30	7·8	7·2	304	30	8·2	7·4	298
4·5 ,, .	30	7·1	5·0	320	28	7·9	5·5	299	30	7·7	5·5	308	15	6·9	4·9	291	30	10·1	8·8	295	29	11·0	10·1	297
5·4 ,, .	30	9·0	6·1	304	26	9·7	7·0	292	30	8·9	6·4	297	3	7·3	6 6	291	30	14·3	13·3	288	28	14·4	13·2	295
6·0 ,, .	30	9·3	7·0	296	25	11·0	8·7	288	30	9·7	7·3	289	3	9·7	9·2	284	30	16·9	15·4	288	28	17·3	16·1	291
7·2 ,, .	30	10·9	8·5	291	22	14·0	12·4	295	30	12·1	9·8	286	3	16·7	16·6	281	30	23·0	21·2	283	27	22·3	20·9	287
9·0 ,, .	30	14·9	12·7	283	21	19·9	17·4	290	30	16·2	14·1	279					30	29·7	27·0	275	15	30·5	28·7	281

Table IV—Monthly Mean Direction and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level.

November, 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Station	NEW DELHI/ SAFDARJUNG				POONA												PORT BLAIR							
Time in I.S.T.	1730*				0530				1730				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	1·2	1·1	311	30	CALM			30	0·3	0·1	227	30	0·1	0·1	061	30	3·2	2·6	055	30	3·3	2·8	065
0·15 a.g.	30	3·8	3·2	315	30	3·3	2·7	094	30	3·4	2·6	089	30	4·2	1·3	057	30	5·4	4·3	060	30	5·7	4·1	088
0·3 a.m.s.l.	30	2·3	2·0	318													30	5·5	4·4	060	30	5·9	5·3	071
0·6 ,,	30	3·6	2·9	314	30	1·7	0·5	106	30	2·3	1·9	091	30	2·1	0·8	147	30	5·9	4·6	072	29	6·0	5·3	074
0·9 ,,	30	3·5	2·9	309	30	5·3	4·8	098	30	3·3	2·8	088	30	5·3	3·4	062	30	6·4	5·3	098	24	6·5	5·3	083
1·5 ,,	30	5·1	4·5	304	30	6·9	6·4	104	30	3·6	3·2	080	30	6·6	6·0	085	30	7·0	5·7	092	20	5·6	4·0	091
2·1 ,,	30	6·4	5·4	307	30	4·9	4·2	098	30	4·1	3·1	084	30	5·8	5·5	095	30	6·9	4·6	099	14	6·4	4·0	132
3·0 ,,	30	7·8	6·7	301	29	4·3	1·8	050	30	5·2	3·0	080	27	5·7	4·6	092	30	6·4	3·6	107	9	6·4	0·6	181
3·6 ,,	30	8·5	7·6	301	25	4·5	2·2	039	29	5·2	3·1	085	25	5·2	2·5	090	30	6·0	2·9	099	8	6.2	0·9	076
4·5 ,,	30	11·1	10·5	296	11	5·0	2·9	009	26	6·0	2·7	074	11	4·4	1·2	030	30	6·3	2·9	079	6	5·0	2·6	040
5·4 ,,	30	14·4	13·2	287	5	5·6	3·6	038	26	6·2	1·3	316	2	5·5	5·3	331	30	6·5	3·3	079	4	3·5	0·8	321
6·0 ,,	30	16·6	15·0	287	3	4·7	3·5	070	26	6·6	2·8	310	1	4·0	4·0	290	30	6·1	3·3	116	4	4·0	2·4	337
7·2 ,,	30	23·4	21·2	287	1	1·0	1·0	307	22	9·5	6·8	284					30	6·6	2·1	108	4	2·5	1·5	317
9·0 ,,	30	31·4	28·3	279	1	7·0	7·0	240	19	13·8	12·3	272					30	6·7	0·6	138	4	5·7	3·1	187

Station	PORT BLAIR								RAIPUR												RAXAUL			
Time in I.S.T.	1730*				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	3·5	3·2	065	30	3·0	2·3	067	30	0·7	0·2	035	30	1·1	0·9	019	30	1·0	0·7	081	30	1·1	0·8	091
0·15 a.g.	30	5·5	4·6	062	29	5·7	4·7	065	30	4·4	1·9	056	30	2·7	2·3	028	30	5·3	4·2	073	27	2·9	1·1	097
0·3 a.m.s.l.	30	5·6	4·7	062	29	5·9	4·7	078													27	3·0	0·5	097
0·6 ,,	30	5·7	4·5	066	29	5·9	5·1	072	30	4·9	2·6	091	30	3·1	2·6	026	30	4·9	4·0	073	27	3·1	0·3	256
0·9 ,,	30	5·9	4·6	070	25	5·6	4·7	085	30	4·0	2·4	075	30	3·0	2·6	030	30	3·5	2·8	066	27	2·9	0·8	302
1·5 ,,	30	6·4	4·8	093	15	3·9	2·2	102	30	3·6	2·9	034	30	3·0	2·6	028	30	3·1	1·8	019	24	3·5	0·2	333
2·1 ,,	30	6·3	4·0	094	13	4·5	1·3	104	30	4·4	2·8	003	30	3·3	2·2	012	29	3·7	2·3	348	21	4·8	0·3	247
3·0 ,,	30	6·3	2·9	095	12	4·9	0·3	055	30	4·6	3·1	346	30	4·5	3·0	322	29	4·8	3·5	324	17	5·1	2·4	288
3·6 ,,	30	6·2	2·9	080	6	4·8	1·1	058	30	5·8	3·6	317	30	6·9	4·9	316	21	5·9	4·0	319	14	6·4	6·2	283
4·5 ,,	30	6·4	3·0	079	5	3·6	1·0	163	30	7·9	5·6	299	30	8·5	6·4	303	11	7·5	5·1	297	6	9·5	9·1	281
5·4 ,,	30	6·9	3·3	075	4	5·0	2·3	148	30	10·7	7·4	295	30	10·6	8·4	290	3	13·3	12·1	258	3	9·3	8·5	266
6·0 ,,	30	6·9	3·4	080	4	4·5	1·7	144	30	11·9	8·5	286	29	12·3	9·9	286	2	15·0	14·1	256	1	6·0	6·0	294
7·2 ,,	20	6·8	3·2	084					30	14·5	11·7	281	29	15·5	13·3	284					1	8·0	8·0	315
9·0 ,,	30	6·9	0·9	131					17	17·4	16·2	275	13	18·9	17·5	282					1	13·0	13·3	285

TABLE IV—MONTHLY MEANI DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

November, 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Station	RAXAUL				SRINAGAR								TIRUCHIRAPPALLI											
Time in I.S.T.	1730				0530*				1730*				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	0·9	0·6	250	25	0·2	0·2	271	28	0·7	0·3	355	30	3·1	2·7	012	30	3·5	2·8	065	30	3·4	2·9	046
0·15 a.g.	30	2·5	1·5	254	25	2·0	0·9	112	28	2·0	1·0	330	29	6·6	5·7	019	29	5·7	4·9	060	30	7·0	6·4	053
0·3 a.m.s.l.	30	2·6	1·5	258									29	7·0	6·1	026	29	5·9	5·2	059	30	7·9	7·2	053
0·6 ,,	30	2·4	1·4	274									29	7·8	7·0	042	29	6·4	6·1	051	30	8·5	8·0	052
0·9 ,,	30	2·3	1·5	279									29	7·9	7·1	045	29	6·9	6·5	047	30	8·1	7·6	055
1·5 ,,	30	3·3	1·4	280									28	7·1	6·1	046	28	6·6	5·9	047	28	6·3	5·3	045
2·1 ,,	30	4·8	1·7	308	25	1·5	0·4	144	27	1·8	0·4	300	25	5·7	4·8	047	25	5·6	4·3	047	27	5·4	4·0	046
3·0 ,,	27	5·0	2·6	296	25	2·2	0·7	149	27	2·9	1·6	142	22	5·0	3·7	073	20	5·5	3·5	061	22	4·8	2·9	072
3·6 ,,	26	7·7	4·8	292	25	3·9	2·7	148	27	3·6	2·5	169	20	5·2	4·0	081	19	6·0	3·0	077	16	5·4	2·9	071
4·5 ,,	21	9·0	7·3	284	25	5·7	3·2	187	27	5·7	2·9	171	14	4·7	3·6	092	13	5·9	4·6	093	8	5·7	3·8	082
5·4 ,,	18	11·4	10·3	287	25	8·0	4·6	261	27	7·6	4·3	243	10	4·4	3·7	073	10	6·0	4·9	084	3	7·3	6·6	094
6·0 ,,	15	13·4	12·0	286	25	10·5	8·4	269	27	8·8	6·9	272	9	5·0	4·4	064	6	6·8	6·1	100				
7·2 ,,	10	16·3	14·9	285	25	17·0	15·0	276	26	15·0	12·6	273	6	4·8	3·7	077	4	4·3	3·6	081				
9·0 ,,	3	18·0	17·1	289	24	24·5	21·2	275	24	22·8	19·6	277	3	6·3	4·5	081	1	1·0	1·0	230				

Station	TRIVANDRUM																UDAIPUR							
Time in I.S.T.	0530*				1130				1730*				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	30	0·5	0·2	012	30	1·3	0·7	268	30	1·7	1·2	278	30	1·3	0·7	009	30	CALM			30	0·1	0·1	360
0·15 a.g.	30	2·3	1·1	344	29	2·2	0·9	259	30	3·1	2·2	287	27	2·4	1·3	338	30	2·0	0·2	056	30	2·7	0·8	118
0·3 a.m.s.l.	30	2·4	1·0	002	29	2·2	0·7	258	30	3·1	2·1	290	27	2·4	1·4	318								
0·6 ,,	30	2·5	0·5	044	29	2·3	0·5	303	30	3·3	1·9	320	27	2·7	1·2	353								
0·9 ,,	30	3·1	1·5	067	26	2·7	1·0	017	30	3·2	1·9	024	27	3.1	1·6	026	30	3·4	1·2	106	30	2·1	0·4	105
2·5 ,,	30	3·6	2·5	069	18	3·1	1·6	055	30	4·5	3·5	049	27	4·1	3·3	057	30	3·4	0·4	176	30	2·4	0·7	340
2·1 ,,	30	4·1	2·3	081	15	3·5	2·4	061	30	4·5	3·3	056	25	4·1	2·7	065	30	3·7	1·6	300	30	3·1	2·0	317
3·0 ,,	30	4·4	3·2	093	10	3·8	2·3	089	30	4·7	3·0	068	21	3·7	2·2	070	30	5·0	3·6	303	29	5·4	3·5	305
3·6 ,,	30	4·5	3·1	094	8	4·3	2·5	081	30	4·3	3·2	078	13	3·7	2·4	058	30	6·8	5·1	303	28	6·7	4·9	302
4·5 ,,	30	4·8	3·7	096	6	2·7	2·5	091	30	5·2	3·6	090	7	3·1	1.8	078	29	9·2	7·6	286	28	9·5	7·3	288
5·4 ,,	30	6·0	5·2	091	6	5·0	4·9	084	30	5·8	4·5	085	5	3·6	2·6	075	28	11·4	10·4	285	28	12·3	10·2	285
6·0 ,,	30	6·4	5·5	089	6	5·3	5·1	093	30	6·5	5·5	088	3	4·3	4·1	089	28	13·3	11·8	284	28	12·9	11·1	282
7·2 ,,	30	6·5	5·7	088	6	5·7	5·1	098	30	6·8	5·8	092	1	2·0	2·0	035	28	17·4	15.4	284	24	16·5	15·1	280
9·0 ,,	30	5·9	4·7	099	6	5·0	3·6	100	29	5·9	4·2	110					23	21·4	20.2	281	15	20·1	19·1	280

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

November, 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Station	UDAIPUR				VENGURLA												VERAVAL							
Time in I.S.T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	0·1	0·1	262	30	0·7	0·6	003	30	2·0	1·8	265	30	0·7	0·6	355	30	3·4	3·1	014	30	4·6	1·3	202
0·15 a.g. .	30	3·2	1·2	040	30	4·1	3·0	048	30	4·3	3·8	256	30	4·0	3·4	359	30	8·8	7·6	021	30	5·2	1·2	228
0·3 a.m.s.l. .					30	4·2	2·8	062	30	4·3	3·3	263	30	4·1	3·2	359	30	7·4	5·3	029	30	5·0	0·6	208
0·6 ,, .	30	4·2	1·6	067	30	4·7	3·9	086	30	3·3	1·0	284	30	4·1	2·7	016	30	5·2	2·5	056	30	4·1	1·0	047
0·9 ,, .	30	3·5	1·5	103	30	5·6	4·6	097	30	3·1	0·7	023	30	4·9	3·2	055	30	4·3	2·3	097	30	4·3	1·6	037
1·5 ,, .	30	3·3	0·6	096	30	5·4	4·8	096	30	5·9	5·5	069	29	6·8	6·3	083	30	4·4	2·8	144	30	5·4	3·0	050
2·1 ,, .	30	5·3	2·8	303	30	4·7	3·7	087	30	8·3	7·9	074	27	7·2	7·0	085	30	5·3	2·9	143	30	5·0	3·4	052
3·0 ,, .	20	6·1	4·3	308	26	4·7	3·5	093	28	7·8	7·0	084	23	5·4	4·6	088	29	5·3	0·2	132	26	5·7	2·6	082
3·6 ,, .	11	7·4	5·5	302	8	5·0	2·9	064	28	6·3	5·1	085	12	5·8	4·0	073	22	4·9	0·9	272	26	5·8	1·4	089
4·5 ,, .	3	6·0	4·3	312					25	5·7	4·6	078					11	5·5	2·3	299	25	7·1	1·5	275
5·4 ,, .									24	5·7	4·3	073					3	10·3	6·9	272	25	7·8	4·1	284
6·0 ,, .									24	6·0	3·6	066					2	14·0	13·5	265	25	8·9	6·1	287
7·2 ,, .									21	7·2	2·5	051									22	12·4	9·2	282
9·0 ,, .									8	8·7	4·6	276									17	16·1	14·4	275

Station	VERAVAL				VIJAYWADA/GANNAVARAM												VISHAKHAPATNAM							
Time in I.S.T.	2330				0530				1730				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface .	30	2·3	1·8	019	30	3 0	2·7	041	30	2·9	2·7	103	30	2·0	1·8	068	30	4·0	3·6	028	30	3·1	2·7	055
0·15 a.g. .	30	5·5	3·5	021	30	6·2	6·0	068	30	5·4	5·2	102	30	7·1	6·6	093	30	7·6	7·3	032	30	6·5	6·1	057
0·3 a.m.s.l. .	30	5·6	3·3	028	30	6·6	6·3	082	30	5·4	5·2	097	30	7·9	7·4	097	30	7·1	6·8	039	30	6·8	6·5	057
0·6 ,, .	30	6·0	3·7	045	30	6·4	6·1	081	30	5·4	5·0	083	30	7·6	7·4	087	33	6·3	6·0	056	30	6·6	6·4	052
0·9 ,, .	30	5·9	3·7	058	30	6·2	5·8	074	30	5·2	4·8	061	30	6·2	6·0	072	30	6·0	5·5	059	30	7·0	6·6	053
1·5 ,, .	30	5·7	3·5	080	30	5·4	4·8	057	30	4·9	4·6	034	30	5·5	5·0	046	30	5·2	4·3	054	29	6·6	6·0	058
2·1 ,, .	30	5·7	3·3	102	29	4·0	2·5	077	30	4·1	3·1	039	29	4·3	3·3	059	30	3·9	2·4	050	28	5·4	4·3	057
3 0 ,, .	29	6·2	2·5	109	27	4·3	3·1	058	26	4·4	2·6	062	27	4·2	2·8	073	30	4·1	1·3	001	28	4·3	0·6	060
3·6 ,, .	23	6·0	1·3	129	27	5·0	3·7	056	24	5·0	3·0	060	24	4·7	3·1	073	30	4·3	2·0	020	27	4·3	0 5	002
4·5 ,, .	14	6·0	0·4	124	26	5·5	3·7	049	22	5·5	2·8	048	20	5·9	3·0	059	29	5·4	1·9	355	27	4·6	1·0	324
5·4 ,, .	8	6·5	2·9	272	26	5·9	2·5	044	21	5·8	2·0	009	11	6·2	1·0	080	29	5·1	2·1	318	22	6·7	2·5	314
6·0 ,, .	7	8·1	6·4	264	25	6·4	1·3	357	21	6·3	2·4	338	10	6·5	0·2	142	29	6·6	3·2	313	21	7·3	2·7	317
7·2 ,, .	1	11·0	11·0	270	23	7·0	3·5	315	20	7·1	3·1	302	2	7·5	1·1	140	29	8·5	5·8	302	19	10·8	4·7	293
9·0 ,, .					22	10·0	7·1	276	14	10·4	7·9	296					29	11·8	9·0	280	13	13·9	13·5	277

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

November, 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Station	VISHAKHAPATNAM							
Time in I.S.T.	1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D
Surface . .	30	4·3	4·1	043	30	3·0	2.4	058
0·15 a.g. .	30	8·2	7·3	049	30	5·8	5·0	066
0·3 a.m.s.l. .	30	7·8	7·5	053	30	6·1	5·6	072
0·6 ,, .	30	6·6	6·3	064	30	6·8	6·3	068
0·9 ,, .	30	6·7	6·4	056	29	6·7	6·5	066
1·5 ,, .	30	5·9	5·2	051	21	6·2	5·7	041
2·1 ,, .	30	4·0	3·1	018	20	4·3	2·7	031
3·0 ,, .	30	4·1	1·8	347	16	5·0	1·3	040
3·6 ,, .	29	4·5	1·1	325	7	3·9	1·4	272
4·5 ,, .	29	5·2	2·3	322	3	4·3	3·5	027
5·4 ,, .	29	6·7	3·7	329	2	6·0	5·7	027
6·0 ,, .	29	7·8	4·1	305	1	16·0	16·0	025
7·2 ,, .	29	9·6	6·0	304	1	12·0	12·0	175
9·0 ,, .	29	13·7	11.1	288				

Table V—Monthly Mean Directions and Velocities of Upper Winds

Winds above 9·0 Km. above mean sea level

November, 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Ht. in Km.	n	V	v	D
	AGARTALA			
	1730 hr.			
10·5	1	11·0	11·0	245
	AHMADABAD			
	0530 hr.*			
10·5	29	25·2	23·3	265
12·0	27	30·0	27·4	262
14·1	21	28·5	25·5	264
16·2	19	20·4	18·0	259
18·0	13	16·8	13·8	263
21·0	1	4·0	4·0	360
	1130 hr.			
10·5	19	25·2	23·7	267
12·0	12	28·6	27·9	269
14·1	2	34·0	34·0	257
	1730 hr.*			
10·5	27	23·8	22·6	262
12·0	25	31·0	26·8	262
14·1	23	33·5	32·0	262
16·2	16	19·2	16·4	276
18·0	10	14·4	11·5	273
21·0	3	11·3	8·8	359
24·0	1	6·0	6·0	282
	ALLAHABAD/ BAMHRAULI			
	0530 hr.*			
10·5	29	34·4	32·2	275
12·0	27	33·2	30·9	275
14·1	18	33·1	30·8	276
16·2	3	21·7	21·7	262
18·0	2	14·0	13·9	282
21·0	1	16·0	16·0	066
	1130 hr.			
10·5	6	35·4	34·5	260
12·0	2	40·5	39·6	245
	1730 hr.*			
10·5	29	34·7	31·9	273
12·0	29	38·7	35·8	270
14·1	22	34·6	31·8	271
16·2	13	31·8	30·1	270
18·0	5	24·6	19·9	282

Ht. in Km.	n	V	v	D
	AMBALA			
	0530 hr.			
10·5	1	29·0	29·0	260
12·0	1	26·0	26·0	255
	1130 hr.			
10·5	5	35·2	34·2	263
12·0	1	37·0	37·0	267
14·1	1	29·0	29·0	262
	1730 hr			
10·5	3	30·3	29·9	268
	ANANTAPUR			
	0530 hr.			
10·5	3	6·3	4·9	290
12·0	1	4·0	4·0	248
	ASANSOL			
	0530 hr.			
10·5	6	25·2	22·6	289
12·0	2	15·5	15·5	261
14·1	1	17·0	17·0	243
16·2	1	7·0	7·0	236
18·0	1	4·0	4·0	146
21·0	1	8·0	8·0	262
	1730 hr.			
10·5	7	23·0	16·9	274
12·0	2	14·5	14·5	308
14·1	1	7·0	7·0	285
16·2	1	7·0	7·0	282
	AURANGABAD/ CHIKALTHAN			
	1730 hr.			
10·5	1	17·0	17·0	252
	BAHRAICH			
	0530 hr.			
10·5	2	29·5	29·5	273
	1130 hr.			
10·5	2	34·0	34·0	273
12·0	1	23·0	23·0	256
	1730 hr.			
10·5	1	38·0	38·0	305
	BANGALORE			
	0530 hr.@			
10·5	23	7·3	2·6	237
12·0	21	9·9	·7	228

Ht. in Km.	n	V	v	D
	0530 hr @			
14·1	16	9·8	5·9	232
16·2	15	6·2	2·1	050
18·0	11	4·9	3·5	095
21·0	5	13·4	13·0	088
24·0	3	18·3	18·3	094
	1130 hr.			
10·5	10	5·8	3·3	290
12·0	9	9·0	8·2	278
14·1	8	12·4	11·4	272
16·2	8	8·5	6·0	277
18·0	7	8·9	3·6	274
21·0	7	8·0	5·1	103
24·0	6	16·8	16·3	090
27·0	3	15·3	14·1	117
30·0	1	8·0	8·0	285
33·0	1	7·0	7·0	230
	1730 hr.@			
10·5	12	7·8	5·7	236
12·0	12	9·7	5·4	246
14·1	10	9·3	6·2	248
16·2	10	7·1	2·6	135
18·0	9	7.4	6·7	089
21·0	4	15·0	14·9	095
24·0	1	17·0	17·0	085
	BAREILLY			
	0530 hr.			
10·5	2	34·5	34·5	273
12·0	1	41·0	41·0	280
	1730 hr.			
10·5	1	29·0	29·0	270
12·0	1	41·0	41·0	274
	BEGAMPE			
	0530 hr.			
10·5	12	11·3	9·1	293
12·0	5	13·2	11·4	297
14·1	1	5·0	5·0	060
	1730 hr.			
10·5	6	12·5	8·0	293
12·0	2	19·5	19·4	281

Ht in Km.	n	V	v	D
	BHAGALPUR			
	0530 hr.			
10·5	3	22·3	21·8	281
12·0	1	17·0	17·0	255
14·1	1	18·0	18·0	255
	BHOPAL/BAIRAGARH			
	0530 hr.			
10·5	16	26·7	26·4	274
12·0	12	26·5	25·4	275
14·1	5	23·2	22·4	288
16·2	1	14·0	14·0	295
18·0	1	6·0	6·0	274
	1730 hrs.			
10·5	8	27·4	26·0	264
	BHUBANESHWAR			
	0530 hr.			
10·5	2	10.5	8·9	294
12·0	1	13·0	13·0	251
14·1	1	5·0	5·0	272
	BIKANER			
	0530 hr.			
10·5	1	42·0	42·0	245
12·0	1	49·0	49·0	250
	1730 hr.			
10·5	1	36·0	36·0	260
	BOMBAY/ SANTACRUZ			
	0530 hr.*			
10·5	26	18·5	16·9	253
12·0	26	21.5	20·2	250
14·1	17	25·5	23·8	254
16·2	5	11·0	6.9	263
18·0	1	17·0	17.0	240
	1130 hr.			
10.5	18	18·5	17·5	257
12·0	16	22·6	21·3	255
14·1	10	24·5	23·2	259
16·2	8	19·3	17·5	251

Ht. in Km.	n	V	v	D
	1730 hr.*			
10·5	27	19·3	17·8	253
12·0	27	22·0	20·1	249
14·1	18	26·0	24·4	245
16·2	9	18·4	16·9	264
18·0	5	15·4	14·7	249
21·0	1	9·0	9·0	290
	CALCUTTA/ DUMDUM			
	0530 hr.*			
10·5	30	26·2	22·6	280
12·0	30	28·4	26·0	275
14·1	27	24·7	23·4	275
16·2	25	22·8	20·9	276
18·0	15	15·6	10·4	278
21·0	4	9.7	8·9	263
24·0	2	6·0	1·9	217
	1130 hr.*			
10·5	2	27·0	14·1	320
12·0	1	32·0	32·0	335
	1730 hr.			
10·5	30	24·6	22·2	228
12·0	30	28·4	26·3	276
14·1	29	25·6	23·9	277
16·2	28	20·9	19·5	273
18·0	19	10·7	7·5	278
21·0	1	17·0	17·0	235
	COCHIN/ WILLINGDON†			
	0530 hr.*			
10.5	1	7·0	7·0	120
	1730 hr.			
10·5	1	5·0	5·0	225
12·0	1	7·0	7·0	250
14·1	1	6·0	6·0	270
	DEHRADUN			
	0530 hr.			
10·5	1	23·0	23·0	266
	DIBRUGARH/ MOHANBARI			
	1130 hr.			
10·5	8	22·8	17·5	292
12·0	7	28·7	20·3	279
14·1	2	38·5	26·6	250
16·2	1	28·0	24·7	247
18·0	1	46·0	46·0	294

Table V—Monthly Mean Directions and Velocities of Upper Winds

Winds above 9·0 Km. above mean sea level

November, 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Ht. in Km.	n	V	v	D
		GADAG		
		0530		
10·5	23	10·1	7·2	266
12·0	21	12·5	10·2	247
14·1	17	11·9	9·6	250
16·2	14	7·9	1·1	300
18·0	9	6·8	4·3	090
21·0	6	13·3	6·5	077
24·0	1	27·0	27·0	090
27·0	1	41·0	41·0	120
		1730 hr		
10·5	16	9.1	7·1	266
12·0	14	11·1	9·1	253
14·1	8	12·4	9·3	247
16·2	4	5·7	1·3	318
18·0	4	5·5	4·7	083
21·0	3	12·7	12·7	094
		GANGTOK		
		0830 hr.		
10·5	9	28·9	24·3	283
12·0	6	27·7	22·3	284
14·1	4	23·5	20·1	296
16·2	2	22·5	22·5	278
18·0	1	7.0	7·0	270
		1730 hr.		
10·5	5	24·5	19·4	298
12·0	3	19·3	17·8	301
14·1	3	18·3	17·7	292
		GAUHATI		
		0530 hr. *		
10·5	25	40·7	37·2	278
12·0	21	50 0	38·3	275
14·1	15	34·2	32.7	279
16·2	11	27·8	26·6	275
18·0	2	8·0	7·2	306
21·0	1	6·0	6.0	230
		1130 hr.		
10.5	12	40·0	38·3	275
12·0	6	39·0	36·4	279
14·1	2	22·5	21·6	183
16·2	1	27·0	27·0	200
18·0	1	10·0	10·0	200

Ht. in Km.	n	V	v	D
		1730 hr. *		
10·5	28	39·2	37·3	270
12·0	22	43·7	40·7	270
14·1	12	33·3	31·0	262
16·2	3	32·0	29·6	282
18·0	1	17·0	17·0	300
		GAYA		
		0530 hr.		
10·5	1	24·0	24·0	265
		1730 hr.		
10·5	1	17·0	17·0	299
		GWALIOR		
		0530 hr.		
10·5	10	34·9	32·9	267
12·0	2	43·0	43·0	275
		1130 hr.		
10·5	9	28·0	26·9	276
12·0	2	16·0	15·9	255
		1730 hr.		
10·5	3	33·6	32·3	268
12·0	1	39·0	39·0	280
		IMPHAL/TULIHAL		
		1730 hr.		
10·5	1	12·0	12·0	340
12·0	1	11·0	11·0	325
14·1	1	7·0	7·0	285
		JABALPUR		
		0530 hr.		
10·5	4	18·2	18·2	280
		1730 hr.		
10·5	6	30·3	30.3	276
		JAGDALPUR		
		0530 hr.		
10.5	20	16·9	15·5	272
12·0	16	19·9	19·8	262
14·1	12	19·9	19·2	260
16·2	7	12·5	10·6	255
18·0	5	12·4	10·7	257
21·0	1	13·0	13·0	220
		1730 hr.		
10·5	16	16·4	12·6	266
12·0	11	19·8	16·6	271
14·1	6	24·0	23·0	249

Ht. in Km.	n	V	v	D
		1730 hr.		
16·2	4	16·7	14·5	256
18·0	2	20·5	20·4	270
21·0	1	27·0	27·0	270
		JHARSUGUDA		
		0530 hr.		
10·5	8	27·1	26·9	282
12·0	3	23·6	23·5	280
		1730 hr.		
10·5	7	26·1	25·9	287
12·0	2	49.0	49·0	255
		LUCKNOW/ AMAUSI		
		0530 hr.		
10·5	1	25·0	25·0	337
		1730 hr.		
10·5	3	35·0	34·3	276
12·0	2	32·0	31·9	270
14·1	1	26·0	26·0	250
		MADRAS/ MINAMBAKKAM		
		0530 hr.*		
10·5	28	7·5	2·8	227
12·0	28	9·2	4·9	228
14.1	25	9·2	4·6	250
16·2	20	6·4	1·6	256
18·0	16	7·3	4·2	095
21·0	7	12·3	12·0	082
24·0	2	19·0	18·3	090
		1130 hr.		
10·5	3	12·0	10·1	315
12·0	3	11·3	9·5	268
14·1	2	5·5	0·5	034
16·2	2	7·5	6·9	050
18·0	2	6·0	5·5	064
21·0	1	15·0	15·0	075
		1730 hr*		
10·5	30	7·5	2·7	228
12·0	30	9·1	4·3	212
14·1	30	8·4	4·6	221
16·2	21	5.8	0·3	088
18·0	12	5·5	4·0	090
21·0	6	12·3	12·3	081

Ht. in Km.	n	V	v	D
		2330 hr		
10·5	1	3·0	3·0	335
12·0	1	3·0	3·0	140
14·1	1	7·0	7·0	260
		MANGALORE/ BAJPE		
		0530 hr.		
10·5	7	8·7	5·6	258
12·0	6	12·7	9·3	238
14·1	3	8·3	7·8	248
16·2	3	6·7	2·7	272
18·0	3	5·3	3·1	088
21·0	3	12·0	6·7	066
		1730 hr.		
10·5	11	6·1	3·9	265
12·0	8	9·6	7·5	268
14·1	6	12·3	8·5	268
16·2	5	10·0	6·2	232
18·0	4	8·0	5·2	230
21·0	3	10·7	8·8	080
24·0	2	14·5	14·2	091
27·0	2	16·5	16·5	067
30·0	1	4·0	4·0	200
33·0	1	19·0	19·0	240
		MINICOY		
		0530 hr.		
10·5	9	9·0	8·0	112
12.0	8	8·6	5·9	120
14·1	5	10·0	2·3	191
16·2	4	4·7	2·0	064
18·0	2	9·0	8·5	122
		1130 hr.		
10·5	1	16·0	16·0	095
12·0	1	23·0	16·0	105
		1730 hr.*		
10.5	24	7·1	5·4	129
12·0	24	8·7	6·3	155
14·1	19	7·7	4·6	204
16·2	12	5·3	3·2	163
18·0	9	10·1	9·6	085
21·0	2	22·0	21·9	068
24·0	1	31·0	31·0	080

Ht. in Km.	n	V	v	D
		NAGPUR/SONEGAON		
		0530 hr.*		
10·5	28	17·6	15·3	281
12·0	28	20·1	17·7	275
14·1	16	19·7	18·6	271
16·2	6	17·7	16·9	265
18·0	4	16.7	16·3	259
21·0	1	5·0	5·0	200
		1130 hr.		
10·5	21	21·4	19·6	282
12·0	18	24·6	23·0	272
14·1	8	19·5	19·1	280
16·2	3	9.0	8·1	290
18·0	2	10·0	4·0	075
21·0	1	7·0	7·0	075
		1730 hr.*		
10·5	30	17·8	16·3	273
12·0	29	18·6	17·4	268
14·1	15	19·7	18·6	263
16·2	5	13·8	13·1	263
		NEW DELHI/ SAFDARJUNG		
		0530 hr.*		
10·5	30	38·3	35·5	277
12·0	30	42·0	39·8	274
14·1	28	34·0	31·4	278
16·2	28	20·7	20·0	279
18·0	28	11·1	9·3	292
21·0	16	8·4	2·8	323
24·0	6	4·8	2·7	292
27·0	1	4·0	4·0	125
		1130 hr.		
10·5	2	41·0	41·0	267
12·0	1	38·0	38·0	250

TABLE V—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds above 9·0 Km. above Mean sea level

November, 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Ht. in Km.	n	V	v	D
	NEW DELHI/ SAFDARJUNG—*Contd.*			
	1730 hr.*			
10·5	30	37.4	34·7	278
12·0	29	40·6	37·4	276
14·1	19	31.6	28·7	273
16·2	14	25·5	24·9	278
18·0	7	14·0	10·9	290
	POONA			
	0530 hr.			
10·5	1	14·0	14·0	285
12·0	1	15·0	15·0	255
14·1	1	10·0	10·0	260
	1730 hr.			
10·5	12	14·9	13·9	276
12·0	8	17·0	16·6	266
14·1	4	10·5	9·4	264
16·2	1	7·5	7·4	260
18·0	1	24·0	24·0	260
	PORT BLAIR			
	0530 hr.*			
10·5	·30	7·9	2·5	186
12·0	29	9·1	4·3	182
14·1	20	9·3	4·3	181
16·2	13	7·9	1·0	093
18·0	6	6·2	5·4	062
21·0	3	21·0	20·3	084
	1130 hr.			
10·5	4	8·2	5·3	253
12·0	4	7·0	1·9	262
14·1	4	9·5	3·7	318
16·2	3	8·7	6·6	160
18·0	3	9·7	9·5	094
21·0	1	6·0	6·0	105
24·0	1	27·0	27·0	100
	1730 hr.*			
10·5	28	7·9	3·3	200
12·0	28	9·7	5·8	184
14·1	22	9·8	5·2	200
16.2	10	8·0	4·9	130
18·0	3	4·7	4·4	223
21·0	1	15·0	15·0	105

Ht. in Km.	n	V	v	D
	RAIPUR			
	0530 hr.			
10·5	7	18·4	17·9	277
	1730 hr.			
10·5	5	24·2	24·0	276
	SRINAGAR			
	0530 hr.*			
10·5	24	32·0	30·0	275
12·0	21	36.7	35·0	276
14·1	13	35·8	34·8	276
16·2	6	32·8	31·7	283
18·0	1	40·0	40·0	295
	1730 hr.*			
10·5	24	31·7	28·7	275
12·0	21	37·0	34·4	276
14·1	10	35·2	34·4	277
16·2	4	25·5	25·3	263
18·0	1	39·0	39·0	255
	TRIVANDRUM			
	0530 hr.*			
10·5	29	8·1	6·5	107
12·0	29	9·5	6·7	115
14·1	29	7·7	1·8	235
16·2	19	6·0	1·7	226
18·0	12	7·7	5·0	071
21·0	3	17·7	17·3	100
	1130 hr.			
10·5	6	5·2	3·1	093
12·0	5	9 2	2·7	090
14·1	4	8·7	6·1	130
16·2	4	9·5	7·6	097
18·0	4	11·0	10·9	072
21·0	4	9·7	8·7	112
24·0	2	4·0	2·7	146
27·0	1	11·0	11·0	160
	1730 hr.*			
10·5	29	8·5	6·8	123
12·0	29	9·3	6·7	120
14·1	26	7·1	2·3	144
16·2	16	6·9	1·9	190
18·0	12	10·8	9·8	093
21·0	8	15·5	14·7	093
24·0	1	26·0	26·0	100

Ht. in Km.	n	V	v	D
	UDAIPUR			
	0530 hr.			
10·5	10	22·1	21·2	276
12·0	7	20·4	19·1	280
14·1	1	26·0	26·0	245
	1730 hr.			
10.5	7	22·6	20·9	285
12·0	4	25·3	25·0	280
	VERAVAL			
	1730 hr.			
10·5	12	19·1	18·5	271
12·0	9	21·8	21·4	264
14·1	4	25·5	24·9	268
16·2	2	23·5	23·5	273
18·0	2	15·0	14·5	268
	VIJAYWADA/ GANNAVARAM			
	0530 hr.			
10·5	21	13·7	11·6	257
12·0	17	15·3	13·9	266
14·1	9	14·1	13·1	257
16·2	5	8·8	6·4	296
18·0	2	5·5	2·9	063
21·0	1	13·0	13·0	070
	1730 hr.			
10·5	5	16·8	15·0	272
12·0	3	17·0	16·4	261
	VISHAKHAPATNAM			
	0530 hr.*			
10·5	29	15·3	12·5	273
12·0	29	16·5	13·8	270
14·1	18	19·3	14·8	258
16·2	6	20·5	19·8	260
18·0	3	1.·0	12·4	257
	1130 hr.			
10·5	11	20·5	19·5	268
12·0	11	23·7	22·1	276
14·1	10	25·5	23·7	270
16·2	10	20·3	19·6	268
18·0	10	17·3	12·1	284
21·0	10	12·6	8·7	287
24·0	3	11·0	8·9	139
27·0	1	11·0	11·0	325

Ht. in Km.	n	V	v	D
	1730 hr.*			
10·5	29	16·8	13·7	289
12·0	29	20·7	18·5	268
14·1	20	21·0	19·9	265
16·2	8	19·7	19·3	247
18·0	4	17·3	13·3	227

RADIOSONDE DATA

During the month, observations of upper air temperature, pressure and humidity were made at 14 stations in india as given in list below. For detailed description of the instruments used, a reference may be made to the I.M.D. Scientific Notes N 112 and 113 (Volume IX).

LIST OF RADIOSONDE STATIONS IN INDIA

S. No.	Name of station	Type of instrument used	Date of starting	Hours of routine observations in GMT during the month	Remarks
1	Ahmadabad	Fan type	20th July 1961	00 and 12	
2	Allahabad/Bamhrauli	Clock type	1st October 1944	00 and 22	
3	Bangalore	Fan type	10th March 1961	00 and 12	
4	Bombay/Santa Cruz	Clock type	7th September 1954	00 and 12	
5	Calcutta/Dum Dum	Clock type	13th December 1946	00 and 12	Fan type used from 13-12 to 30-11-47
6	Gauhati	Clock type	22nd July 1955	00 and 12	
7	Madras/Minambakkam	Fan type	29th June 1946	00 and 12	
8	Minicoy	Fan type	12th May 1963	12	
9	Nagpur/Sonegaon	Fan type	1st October 1946	00 and 12	
10	New Delhi/Safdarjung	Clock type	3rd December 1943	00 and 12	
11	Port Blair	Fan type	4th December 1949	00 and 12	
12	Srinagar	Clock type	1st August 1962	00 and 12	
13	Trivandrum	Fan type	1st July 1947	00 and 12	
14	Vishakhapatnam	Fan type	8th December 1946	00 ana 12	

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(A) From Ascents at 00 Hours G.M.T.

November, 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Standard pressure Surface mb.	AHMADABAD Surf. Pr. (1007 mb.)						ALLAHABAD/BAMHRAULI (1003 mb.)						BANGALORE (912 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	30	055	292·1	297	287	285·4	30	098	292·2	293	285	285·6	30	921	291·4	295	288	289·7
1000	30	115	293·0	298	290	284·9	30	123	288·3	292	285	284·8	30	125	..	..	..	..
900	30	1038	294·6	297	291	279·2	30	1029	290·4	297	285	279·5	30	1032	291·1	294	288	288·9
850	30	1531	290·9	294	287	277·0	30	1515	286·8	295	281	276·1	30	1522	290·1	292	285	285·0
800	30	2047	287·0	290	283	274·0	30	2023	283·2	290	277	272·8	30	2038	287·4	291	283	281·7
700	30	3163	281·6	285	277	264·9	30	3123	278·4	283	273	265·1	30	3158	282·9	287	281	272·8
600	30	4422	274·5	279	269	256·6	30	4374	272·3	278	267	254·4	30	4428	277·1	281	273	267·0
500	30	5865	265·0	270	260	..	30	5808	263·4	269	259	..	30	5889	269·1	272	265	..
400	30	7562	253·7	258	249	..	30	7498	252·3	258	248	..	30	7613	258·0	262	253	..
300	30	9645	239·7	245	236	..	29	9572	239·0	242	235	..	30	9729	242·9	249	239	..
250	28	10908	230·3	236	221	..	28	10829	230·9	236	227	..	30	11003	233·7	242	230	..
200	28	12386	220·5	226	214	..	27	12312	220·9	228	218	..	30	12496	222·4	229	217	..
175	28	13237	214·7	220	206	..	24	13168	216·1	224	212	..	26	13366	216·4	223	207	..
150	28	14196	208·7	214	203	..	23	14120	210·8	215	206	..	26	14330	209·8	218	207	..
125	27	15335	204·1	210	198	..	20	15228	206·6	211	201	..	22	15413	203·8	209	197	..
100	27	16621	200·1	205	194	..	15	16572	203·7	208	198	..	21	16728	200·1	206	196	..
80	22	17917	199·9	212	193	..	8	17894	202·7	207	195	..	16	18065	204·0	213	198	..
70	21	18701	202·1	218	197	..	6	18701	202·8	208	195	..	12	18900	205·7	211	200	..
60	18	19516	206·0	220	198	..	..	..	..	..	..	..	12	19819	209·2	216	202	..
50	12	20736	210·3	217	205	..	..	..	..	..	..	..	10	20903	213·7	224	207	..
40	11	22108	214·6	221	210	..	..	..	..	..	..	..	6	22260	214·0	220	209	..
30	5	23968	219·2	223	215	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..

	BOMBAY/SANTACRUZ (1010 mb)						CALCUTTA/DUMDUM (1014 mb)						GAUHATI (1010 mb)					
Sarface	30	013	295·2	297	293	289·1	30		292·2	298	288	290·8	30	049	289·8	294	285	289·1
1000	30	101	297·2	302	294	288·0	30	123	292 7	297	289	292·7	30	135	290·1	293	287	288·5
900	30	1029	296.4	300	293	281·2	30	1032	290·3	296	287	282·4	30	1039	290·3	294	288	282·7
850	30	1526	293·1	297	290	279·3	30	1518	286·9	293	283	278·7	30	1525	287·6	290	285	278·9
800	30	2046	289·2	293	286	276·7	30	2027	284·3	288	279	274·3	30	2036	284·1	288	281	275·8
700	30	3169	283·0	288	280	266·8	30	3132	279·3	283	274	262·5	30	3137	277·7	281	273	266·2
600	30	4439	276·7	281	273	261·3	30	4385	273·1	277	269	253·4	30	4379	271·6	276	268	..
500	30	5897	268·2	273	264	..	30	5821	264·4	270	260	..	30	5809	263·2	268	258	..
400	30	7615	257·0	263	253	..	30	7516	253·2	259	248	..	30	7498	252·3	256	248	..
300	29	9717	241·4	248	237	..	30	9596	239·1	246	233	..	28	9567	239·3	247	233	..
250	27	10903	232·0	237	226	..	30	10850	230·4	237	223	..	27	10817	230·9	238	223	..
200	27	12468	221·5	226	215	..	30	12326	220·8	229	214	..	26	12305	222·8	228	216	..
175	25	13330	215·9	227	212	..	29	13178	215·5	221	209	..	25	13174	218·1	227	212	..
150	24	14290	210·3	223	203	.	29	14142	210·1	217	202	..	21	14126	214·2	224	204	..
125	20	15374	204·5	212	197	..	29	15252	204·8	213	198	..	19	15274	209·3	218	195	..
100	17	16698	199 9	205	191	..	24	16572	201·0	213	193	..	15	16623	207·2	213	199	..
80	13	18015	201·0	210	194	..	21	17858	198·9	207	191	..	9	17932	206·1	213	199	..
70	10	18795	204·8	215	197	..	19	18638	200.8	211	191	..	8	18726	207·7	215	200	..
60	7	19739	208·1	221	203	..	15	19597	205·3	215	199	..	7	19669	212·7	220	201	..
50	6	20849	210·7	216	206	..	15	20694	211·0	222	203	..	6	20787	215·2	224	209	..
40	5	22252	217·0	223	211	..	14	22082	215·2	225	207	..						
30	.		.				10	23919	218·4	225	211	..						
20	..	..	..	..														
10		.																

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(A) From Ascents at 00 Hours G.M.T.

November, 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Standard pressure Surface mb.	JODHPUR Surf. Pr. ( )						MADRAS/MINAMBAKKAM (1010 mb.)						NAGPUR/SONEGAON (979 mb).					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface							30	015	296·7	300	293	295·0	30	311	288·6	293	286	283
1000							30	105	296·7	300	293	295·0	30	129	..	..	..	..
900							30	1023	292·2	295	289	288·2	30	1039	292·8	296	289	282
850							30	1514	289·5	292	286	285·2	30	1529	288·9	293	285	280
800							30	2030	287·1	289	283	281·1	30	2042	285·9	290	282	276
700							30	3149	282·3	285	278	271·4	30	3158	281·8	285	277	266
600							29	4414	275·9	279	269	263·2	30	4419	274·9	280	269	261
500							29	5872	268·1	271	263	..	30	5864	265·3	269	261	..
400							28	7591	257·2	269	251	..	30	7562	254·1	258	250	..
300							28	9702	241·8	246	235	..	30	9642	239·6	244	237	..
250							28	10975	232·7	239	223	..	30	10899	230·6	234	227	..
200							28	12456	221·1	229	211	..	30	12373	219·7	223	214	..
175							25	13301	214·4	222	205	..	26	13232	214·1	218	208	..
150							25	14264	207·8	215	199	..	26	14180	208·7	214	201	..
125							21	15349	202·1	209	193	..	22	15290	205·2	209	197	..
100							20	16689	198·5	207	195	..	22	16621	202·1	208	197	..
80							16	17983	200·8	207	194	..	16	17958	204·8	210	198	..
70							15	18785	203·9	213	198	..	15	18751	206·9	214	199	..
60							13	19697	208·8	217	199	..	15	19696	209·9	216	202	..
50							8	20797	212·3	219	203	..	13	20827	214·6	222	206	..
40							6	22155	214·7	225	211	..	8	22255	216·1	221	210	..
30																		
20																		
10																		

	NEW DELHI/SAFDARJUNG (surf pr. 991 mb.)						PORT BLAIR (1003 mb.)						SRINAGAR (845 mb.)					
Surface	30	209	287·9	293	284	283·1	30	079	298·0	301	295	296·3	25	1588	276·0	282	271	276
1000	30	130	..	..	..	..	30	100	297·9	301	295	296·2	25	205	..	..	..	..
900	30	1033	292·3	298	289	274·8	30	1020	292·9	296	289	289·7	25	1079	..	..	..	..
850	30	1521	289·2	295	285	272·1	30	1512	290·4	293	285	286·3	25	1545	..	..	..	..
800	30	2034	285·6	292	280	269·0	30	2028	287·6	291	284	282·2	25	2040	278·0	286	273	271
700	30	3139	279·1	283	271	260·8	30	3147	282·6	287	280	275·9	25	3123	273·3	281	267	267
600	30	4336	272·1	277	265	253·0	30	4412	276·1	280	269	269·1	25	4345	267·0	274	261	..
500	30	5816	262·6	269	256	..	30	5868	268·8	273	261	..	25	5744	256·6	263	250	..
400	30	7497	251·1	257	246	..	30	7589	258·6	262	250	..	25	7387	245·4	251	238	..
300	30	9555	237·1	243	233	..	30	9708	245·0	249	238	..	24	9396	231·6	237	225	..
250	30	10802	229·6	234	225	..	29	10995	236·6	247	223	..	24	10614	224·3	230	219	..
200	30	12278	221·9	231	217	..	29	12502	224·8	231	219	..	24	12055	218·0	226	210	..
175	30	13140	218·2	228	213	..	22	13350	217·7	225	213	..	24	12903	215·7	223	207	..
150	30	14117	214·0	224	210	..	18	14324	210·9	218	206	..	20	13864	214·0	222	205	..
125	30	15244	210·1	219	203	..	14	15420	203·4	214	194	..	18	15023	212·6	219	204	..
100	30	16609	208·4	216	202	..	13	16746	200·8	207	195	..	18	16388	212·6	220	205	..
80	30	17968	207·9	214	202	..	5	18036	205·0	209	200	..	11	17781	212·8	218	203	..
70	28	18797	210·2	217	202	..	5	18852	208·0	212	201	..	11	18622	214·0	219	201	..
60	22	19754	214·1	221	208	..	..	..	..	..	..	..	10	19600	216·1	225	200	..
50	19	20923	218·2	227	212	..	..	..	..	..	..	..	7	20751	219·0	229	201	..
40	16	22342	221·3	227	216	..	..	..	..	..	..	..	5	22205	222.4	233	203	..
30	9	24232	225·	237	218	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(A) From Ascents at 00 Hours G.M.T.

November, 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Standard Pressure Surface mb.	TRIVANDRUM Surf. Pr. (1003 mb.)						VISHAKHAPATNAM (1009 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A.				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew Point			Mean	Max.	Min.	Dew Point
Surface	30	064	298·3	300	297	295·8	30	041	296·9	299	295	293·6
1000	30	087	298·1	300	296	295·5	29	117	296·9	299	294	291.9
900	30	1010	293·2	296	291	289·0	29	1034	291·5	295	287	284·8
850	30	1503	290·9	293	289	286·3	29	1524	288·6	292	283	281·7
800	30	2021	288·3	291	287	282·9	29	2039	286·4	290	281	277·9
700	30	3143	282·7	285	280	276·8	29	3159	282·1	285	279	269·3
600	30	4408	275·6	279	273	269·4	29	4424	275·4	278	272	261·1
500	30	5863	268·0	273	265	..	29	5878	267.0	271	263	..
400	30	7581	257·4	263	254	..	29	7591	255·8	259	253	..
300	30	9693	242·4	247	238	..	29	9692	241·5	247	237	..
250	30	10965	233·0	237	228	.	29	10958	231·9	239	227	..
200	30	12452	221·3	229	215	..	29	12440	220·9	227	215	..
175	30	13295	215·5	223	209	..	29	13293	215·2	223	211	..
150	30	14267	209·2	216	202	..	28	14262	209·3	219	204	..
125	26	15363	203·2	211	199	..	24	15340	203·3	210	199	..
100	23	16691	199·1	205	195	..	21	16663	199·0	203	194	..
80	17	18005	201·7	207	195	..	17	18005	201·7	211	196	..
70	16	18811	204·7	213	194	..	17	18801	204·4	214	199	..
60	13	19731	208·5	216	204	..	15	19732	205·9	216	201	..
50	12	20831	212·8	219	207	..	14	20781	208·2	214	203	..
40	7	22240	216·4	223	211	..	5	22158	210·6	212	207	..
30												..
20												
10												

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 Hours G.M.T.

November, 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Standard Pressure Surface mb.	AHMADABAD Surf. Pr. (1006 mb.)						ALLAHABAD/BAMHRAULI (1002 mb.)						BANGALORE (910 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	30	055	305·9	309	299	289·8	30	098	301·4	307	297	287·8	30	921	298·4	303	292	288·9
1000	30	105	305·1	308	298	289·3	29	114	299·8	305	296	282·3	30	091	..	..	..	..
900	30	1041	297·4	302	293	281·3	29	1036	293·6	300	289	278·7	30	1020	297·4	302	292	288·2
850	30	1538	292·7	297	289	277·9	29	1526	289·5	296	283	275·3	30	1517	293·5	299	289	286·4
800	30	2057	288·5	292	284	274·6	29	2012	285·8	292	281	271·5	30	2037	288·9	295	285	283·8
700	30	3176	282·7	288	277	263·6	29	3153	280·9	286	276	259·1	30	3158	282·4	289	277	275·3
600	30	4440	275·8	280	268	252·3	29	4410	274·5	280	269	253·8	29	4426	276·7	281	273	267·6
500	30	5891	266·6	272	262	..	29	5854	265·6	273	260	..	29	5886	268·2	273	265	..
400	30	7599	254·9	259	247	..	29	7553	254·0	261	248	..	29	7607	257·3	260	255	..
300	30	9692	240·6	246	236	.	29	9650	240·4	245	233	..	29	9723	243·1	250	239	..
250	28	10960	232·3	238	227	..	29	10916	232·6	241	223	..	28	10996	233·9	240	230	..
200	27	12452	222·6	228	218	..	28	12415	223·4	233	219	..	28	12491	222·9	228	219	..
175	27	13313	217·1	223	210	..	28	13291	218·3	228	213	..	24	13357	216·7	223	211	..
150	27	14281	212·2	219	206	..	26	14271	214·6	221	208	..	24	14317	210·4	217	203	..
125	26	15404	206·8	214	202	..	23	15393	209·8	217	205	..	24	15405	204·1	211	203	..
100	24	16724	203·7	212	199	..	14	16753	206·1	212	201	..	23	16726	199·5	205	190	..
80	21	18044	202·7	212	196	..	9	18036	202·4	207	195	..	23	18058	202·7	211	194	..
70	20	18838	205·0	214	198	..	8	18851	203·9	207	201	..	21	18858	205·4	214	196	..
60	18	19804	209·9	222	200	..	7	19768	205·3	210	202	..	19	19764	207·3	214	197	..
50	12	20917	213·1	218	206	..	5	20908	210·2	213	205	..	17	20859	210·4	220	199	..
40	9	22346	216·7	223	210	..	..	..	..	..	..	..	10	22174	212·4	223	201	..
30	7	24193	220·9	227	217	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

	BOMBAY/SANTACRUZ (1009 mb.)						CALCUTTA/DUMDUM (995 mb.)						GAUHATI (992 mb.)					
Surface	30	013	303·7	307	300	291·1	30	06	299·3	304	295	292·6	30	49	295·5	298	293	292·0
1000	30	091	303·5	306	301	290·1	30	109	299·5	304	296	290·9	29	115	295·5	297	293	291·2
900	30	1035	297·2	301	293	282·8	30	1032	293·8	298	290	283·1	29	1026	290·8	294	288	283·8
850	30	1523	293·2	299	288	280·4	30	1524	290·4	295	287	277·7	29	1514	288·1	291	285	278·8
800	30	2043	289·2	294	285	278·8	30	2040	287·5	291	283	272·0	29	2025	284·7	288	281	275·2
700	30	3167	283·7	289	279	266·9	30	3158	282·0	285	279	262·7	29	3129	277·7	281	275	266·2
600	30	4437	276·6	281	269	259·5	30	4420	275·7	278	272	259·3	29	4369	271·7	276	269	258·3
500	30	5895	267·3	271	262	..	30	5871	266·7	271	261	..	29	5799	262·6	267	258	..
400	29	7606	256·0	262	251	..	30	7580	255·5	260	249	..	28	7486	251·5	256	243	..
300	28	9698	241·1	247	234	..	30	9679	241·4	246	234	..	28	9551	237·9	243	233	..
250	27	10967	232·3	239	226	..	30	10947	232·7	237	227	..	28	10799	230·5	236	224	..
200	27	12450	220·8	229	214	..	30	12438	223·0	228	215	..	27	12276	221·9	227	216	..
175	23	13308	214·7	224	205	..	30	13304	217·8	224	210	..	25	13137	217·0	226	210	..
150	22	14272	209·2	217	203	..	30	14276	212·3	217	207	..	19	14103	211·8	217	204	..
125	17	15380	204·3	212	199	..	29	15409	206·7	213	200	..	14	15226	207·3	214	199	..
100	15	16681	200·5	209	194	..	29	16739	202·1	210	196	..	8	16530	203·6	213	196	..
80	13	17976	201·7	206	195	..	28	18063	201·7	211	194	..	..	..	..	..	..	..
70	9	18803	205·4	209	199	..	24	18885	203·8	209	199	..	..	..	..	..	..	..
60	8	19720	209·6	214	203	..	22	19807	207·6	214	202	..	..	..	..	..	..	..
50	7	20875	213·0	217	204	..	18	20925	212·2	221	207	..	..	..	..	..	..	..
40	..	..	..	..	..	..	11	22302	214·5	220	209	..	..	..	..	..	..	..
30	..	..	..	..	..	..	8	24160	219·0	225	215	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(B) From Ascents at 12 Hours G.M.T.

November, 1965 (Kartika 10 —Agrahayana 9, 1887 Saka)

Standard Pressure Surface mb.	JODHPUR Surf. Pr.						MADRAS/MINAMBAKKAM (1009 mb.)						MINICOY (1009 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface							30	015	299·7	302	296	295·4	30	002	301·4	303	297	297·0
1000							30	098	299·4	301	296	295·0	30	084	300·5	302	296	296·3
900							30	1019	293·1	297	289	288·0	30	1011	293·1	295	290	290·2
850							30	1512	290·7	294	287	281·7	30	1503	290·5	293	288	287·2
800							30	2031	288·1	291	284	281·2	30	2020	287·7	290	285	284·1
700							30	3154	283·1	286	279	273·1	30	3140	282·3	285	279	278·1
600							30	4422	276·7	280	274	267·5	30	4403	275·4	278	271	270·7
500							30	5883	269·0	272	266	..	30	5855	267·9	271	262	..
400							30	7609	258·0	262	253	..	30	7570	257·2	260	253	..
300							30	9725	242·6	249	238	..	30	9670	240·8	245	237	..
250							30	11000	233·0	243	226	..	30	10933	231·8	237	226	..
200							30	12484	220·7	229	215	..	30	12409	220·1	224	313	..
175							30	13330	214·4	221	205	..	26	13251	214·1	218	211	..
150							29	14288	207·7	218	201	..	25	14216	207·8	211	205	..
125							24	15367	202·1	210	195	..	23	15295	201·3	207	196	..
100							21	16681	197·9	205	190	..	20	16605	196·6	203	192	..
80							11	17969	200·8	208	195	..	15	17900	199·7	206	191	..
70							8	18755	203·5	213	199	..	14	18615	203·3	210	198	..
60							7	19633	205·4	214	201	..	12	19635	207·3	210	201	..
50							6	20738	208·5	216	200	..	9	20771	211·5	215	210	..
40													7	22153	214·4	217	212	..
30																		
20																		
10																		

	NAGPUR/SONEGAON Surf. Pr. (977 mb.						NEW DELHI/SAFDARJUNG (989 mb.)						PORT BLAIR (1001 mb.)					
Surface	30	311	301·7	305	298	285·6	30	209	299·3	306	293	284·9	30	079	299·5	301	297	296·6
1000	30	105	..	..	..	..	30	113	..	..	..	..	30	090	299·4	300	297	296·5
900	30	1035	295·5	299	291	283·1	30	1033	294·2	300	290	276·5	30	1012	293·7	297	291	290·4
850	30	1530	291·2	295	287	280·7	30	1523	290·1	295	285	272·6	30	1505	290·9	294	287	287·2
800	30	2047	286·9	291	284	277·7	30	2037	286·4	291	282	269·3	30	2023	288·3	292	283	283·9
700	30	3164	281·5	285	279	268·6	30	3145	279·6	284	275	257·5	30	3146	283·4	288	279	276·0
600	30	4428	275·5	279	272	263·9	30	4393	272·3	279	267	248·5	30	4413	276·4	282	273	271·2
500	30	5880	266·8	270	262	..	30	5825	262·9	268	259	..	30	5872	268·7	274	265	..
400	30	7588	254·9	258	250	..	30	7508	251·4	257	248	..	30	7598	258·5	264	253	..
300	30	9675	240·0	244	233	..	30	9568	237·1	242	233	..	29	9723	243·8	253	236	..
250	30	10932	231·2	237	227	..	30	10815	229·6	235	225	..	28	10994	234·1	243	225	..
200	30	12411	220·7	227	215	..	30	12293	221·8	230	217	..	28	12490	222·9	229	217	..
175	28	13261	214·9	220	207	..	30	13152	217·3	225	211	..	23	13364	217·3	223	212	..
150	28	14227	209·6	214	202	..	29	14124	213·3	223	204	..	20	14341	211·2	217	207	..
125	24	15317	204·7	209	198	..	29	15253	209·9	219	203	..	14	15449	204·3	210	197	..
100	21	16665	202·3	208	194	..	27	16613	207·0	217	196	..	8	16831	200·1	206	195	..
80	15	18027	204·8	212	196	..	23	17914	207·2	219	199	..						
70	14	18806	206·6	213	199	..	21	18768	208·0	217	199	..						
60	11	19766	209·5	215	203	..	13	19721	211·1	218	206	..						
50	9	20843	213·1	219	206	..	12	20862	214·2	223	209	..						
40	7	22220	216·4	225	205	..	9	22290	215·9	222	212	..						
30							6	24129	218·3	224	213	..						
20																		
10																		

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(B) From Ascents at 12 Hours G.M.T.

November, 1965 (Kartika 10—Agrahayana 9, 1887 Saka)

Standard pressure surface mb.	SRINAGAR Surf. Pr. (844 mb.)						TRIVANDRUM (1002 mb.)						VISHAKHAPATNAM (1008 mb.)					
	No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A				No. of obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	27	1588	286·5	295	279	278·5	30	064	301·4	304	297	296·8	30	041	300·3	302	297	293·6
1000	27	139	..	..	..	..	30	080	301·2	303	296	296·4	29	109	299·7	302	296	293·0
900	27	1045	..	..	..	..	30	1007	293·9	296	291	290·1	29	1032	292·6	297	289	285·3
850	27	1528	..	..	..	..	30	1501	291·1	294	289	287·7	29	1524	289·7	293	285	281·2
800	27	2039	282·7	292	276	273·5	30	2019	288·0	290	286	284·8	29	2040	287·3	291	283	276·7
700	27	3128	275·4	284	269	263·3	30	3142	283·0	286	279	277·1	29	3161	282·0	285	279	270·2
600	27	4354	266·7	274	260	..	30	4407	276·0	279	271	270·4	29	4426	275·8	278	271	263·1
500	27	5754	256·7	264	249	..	30	5863	268·4	272	264	..	29	5885	267·6	271	265	..
400	25	7405	245·6	253	239	..	30	7585	257·5	263	251	..	29	7600	255·8	260	251	..
300	24	9421	232·0	239	225	..	29	9703	242·9	248	237	..	29	9697	240·6	246	235	..
250	24	10637	224·8	233	218	..	29	10978	233·7	238	228	..	29	10961	232·3	237	227	..
200	22	12101	219·8	228	214	..	28	12467	222·3	229	215	..	29	12447	221·7	228	213	..
175	21	12948	217·7	225	209	..	26	13309	215·1	223	209	..	25	13303	216·0	222	210	..
150	21	13925	215·3	222	209	..	26	14274	208·1	217	200	..	24	14270	209·7	217	203	..
125	19	15082	214·3	221	208	..	22	15359	201·7	209	193	..	23	15360	204·0	209	199	..
100	17	16457	212·2	219	204	..	18	16705	197·7	208	191	..	19	16687	199·1	202	196	..
80	12	17885	212·0	217	206	..	17	18022	201·6	211	195	..	15	18028	202·0	205	198	..
70	10	18682	212·7	216	208	..	16	18813	204·7	214	199	..	12	18832	203·7	207	200	..
60	10	19626	214·1	216	209	..	14	19750	207·0	216	203	..	11	19764	206·5	210	203	..
50	8	20787	215·6	220	212	..	14	20864	210·3	220	206	..	10	20821	209·7	213	207	..
40	..	..	..				8	22276	214·0	221	211	..	5	22126	211·4	214	209	..
30							5	24117	218·2	225	214	..						
20																		
10																		

NOTE.—Number of observations refer to those of dynamic hight.

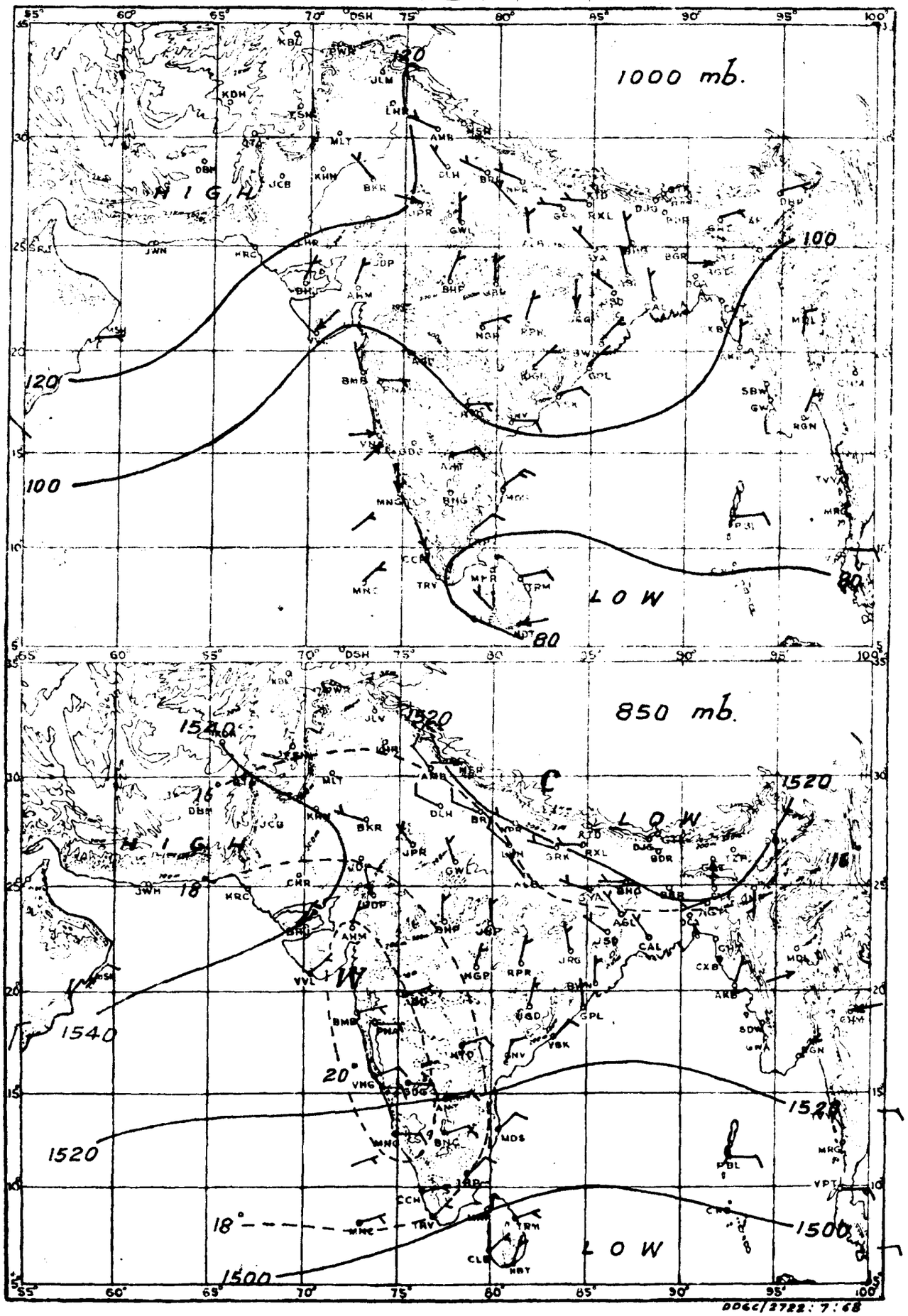
Means are not worked out for temperature and dew point for the 1000 mb. surface and for dew point for standard pressure surfaces with temperature less than 273° A.

Means are not worked out for less than five observations at standard pressure surfaces.

GIPN—S1—2 D.D.G, Obs, Poona/69—12-11-1969—260.

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I.Met.D. **NOVEMBER 1965** Plate I



DDGC/2722 : 7 : 68

RESULTANT WIND —— 5 Knots, —— 10 Knots, —— 50 Knots.

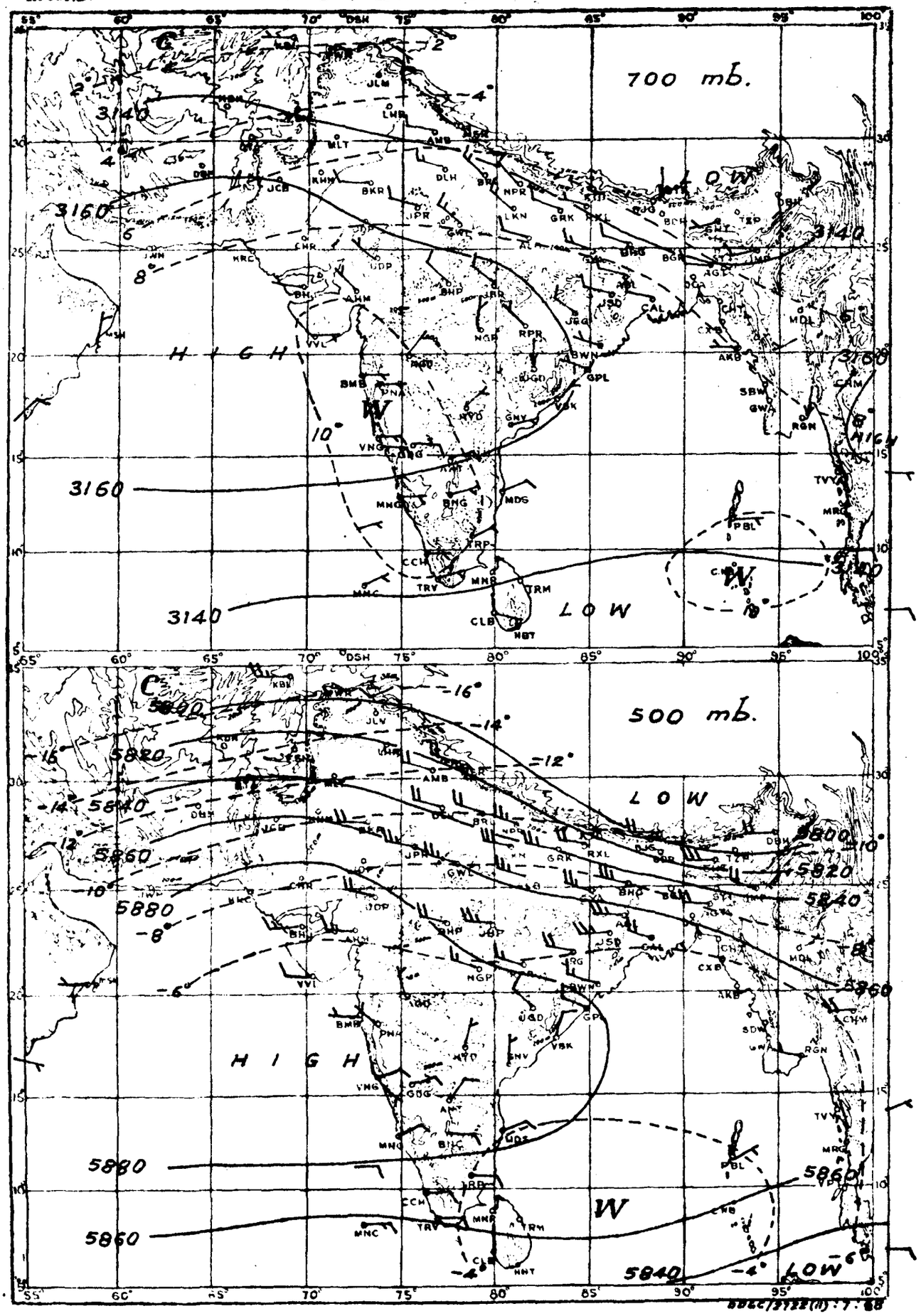
---------- Isotherms in degrees centigrade ———— Contours in geopotential metres.

G.P.E.P. POONA, 1969

MONTHLY MEAN CONSTANT PRESSURE CHARTS

NOVEMBER 1965

I.Met.D. Plate II



RESULTANT WIND — 5 Knots, — 10 Knots, — 50 Knots.

Registered No. MH-75

INDIA WEATHER REVIEW, 1965

Monthly Weather Report

DECEMBER

Published by authority of the Government of India

Chief features :

(i) Good rainfall in the south Peninsula;

(ii) Development and movement of three cyclonic storms, one in the Arabian Sea and two in the Bay of Bengal; and

(iii) Deficient precipitation in northwest India with only one western disturbance affecting the area.

The seasonal low over the extreme south Bay of Bengal was active in the beginning of the month. A low pressure area over Comorin and Maldive areas on 2nd moved very slowly westwards and intensified into a depression by the evening of 5th with centre near Lat. 6.5°N and Long. 71.5°E. Moving northwards till the next evening and later northeastwards, it further intensified into a cylonic storm by 7th evening centered near Lat. 9.5°N and Long. 72.5°E. Continuing to move northeastwards till 9th morning it was close, to north Kerala and Mysore coasts. Thereafter it moved northnorthwestwards along Mysore and Maharashtra coasts till 12th morning when it weakened in to a depression centred near Harnai. Weakening further it became unimportant by the next morning. Under its influence, there were heavy rains and gales along the west coast and also heavy rains in the Madras State. Some of the noteworthy amounts of rainfall recorded were: Trivandrum 18 cm. Madras and Nagapattinam 14 cm. each, Cuddalore 13 cm, Kanya Kumari 8 cm and Vellore and Vedaranniyam 7 cm each on 4th, Cuddalore 16 cm, Tondi and Nagapattinam 11 cm each and Kallakkurichchi and Coimbatore 7 cm each on 5th, Vedaranniyam 13 cm and Minicoy 9 cm on 6th, Minicoy 15 cm and Cuddalore 10 cm on 7th, Minicoy 22 cm, Androth 15 cm and Cochin 9 cm on 8th, Androth 21 cm, Cochin 12 cm and Coonoor 7 cm on 9th, Mangalore 15 cm and Honavar 10 cm on 10th, Panjim 11 cm, Devgarh and Honavar 9 cm each and Marmagoa and Miraj 7 cm each on 11th and Mahabaleshwar 7 cm on 12th. According to press reports, a number of country crafts and fishing vessels sank and a few lives were lost off the west coast due to the cyclonic storm. The storm also caused disruption of telegraph and telephonic communications and uprooted many coconut trees in the south Konkan.

Simultaneously another cyclonic storm developed in the Bay of Bengal. A low pressure area appeared over the southeast Bay of Bengal on 4th and progressively intensified into a depression by the morning of 6th with centre near Lat. 5.0°N and Long. 91.5°E. and into a cyclonic storm by the morning of 8th with centre near Lat. 11.0°N and Long. 89.0°E. It continued to move but very slowly in a northerly direction till 11th and later took a westerly course. Intensifying further into a severe cyclonic storm with a core of hurricane winds by the morning of 13th with centre near Lat. 14.5°N and Long. 86.5°E it recurved northeastwards. Thereafter, it began to move fast and crossed the Chittagong coast between Cox's Bazar and Chittagong on the early morning of 15th. It rapidly weakened and broke up against the Chittagong-Burma hills by 16th. Under its influence, heavy rains occurred in Bay Islands. Some of the heavy rainfalls recorded were: Kondul 8 cm on 4th, Car Nicobar 9 cm on 7th, 7 cm on 8th and 10 cm on 11th, Nancowry 8 cm on 7th, Maya Bandar 7 cm on 8th, 14 cm on 9th and 9 cm on 10th, Port Blair 13 cm on 10th and Long Island 9 cm on 10th and 7 cm on 12th. Assam also received a few showers during the early part of the third week. According to press reports, severe cyclonic storm accompanied by tidal waves caused serious havoc in the coastal areas of East Pakistan between Cox's Bazar and Chittagong and took a toll of thousand of lives.

In association with an upper air cyclonic circulation over Orissa, a few light showers occurred in the coastal areas of Orissa and of Gangetic West Bengal on 17th and 18th. A low pressure wave moving westwards across Ceylon towards the end of the third week caused good rainfall in the extreme south Peninsula. Pamban recorded 12 cm of rain on 21st. Another low pressure area from the east moved into the south Andaman Sea on 22nd. Later it became well marked over the south Bay but became unimportant over Comorin area by 28th. In association with it there was good rainfall in the Bay Islands and the Madras State. Car Nicobar recorded 16 cm of rain on 22nd, Port Blair 13 cm on 23rd, Vedaranniyam 7 cm and Cuddalore 5 cm on 27th.

Another well marked low pressure area appeared over the extreme southeast Bay of Bengal on 27th. Moving northwestwards, it concentrated into a depression by the morning of 30th with centre near Lat. 8.0°N and Long. 88.0°E. It further intensified into a cyclonic storm by the next morning when it was centred near Lat. 9.0°N and Long. 86.0°E. Under its influence another spell of heavy rains occurred in the Bay Islands. Car Nicobar recorded 8 cm of rain on 31st.

"Copyright 1964 © by Manager of Publications, Government of India, Delhi-8"

1—3 D.D.G.Obs.P./69

The precipitation over northwest India was in defect due to the poor activity of western disturbances. Onl one disturbance affected the area during the fourth week. It appeared over West Pakistan and adjoining Afgha nistan on 22nd and moved away eastwards across the Western Himalayas by 26th. Under its influence, a fev falls of rain or snow occurred in northwest India. Dalhousie recorded 5 cm of rain and Banihal 4 cm on 24th.

Night temperatures were above normal over the Peninsula during the first three weeks, being appreciably t markedly so during the second and third weeks. They were also above normal in the central parts of th country during the first fortnight, being markedly so during the second week and also over most parts of northeas India from 8th to 18th. Night temperatures were below normal over northwest India after the first week, bein appreciably so during the third week. They were also below normal on a number of days during the secon fortnight in Uttar Pradesh and Gujarat State and central parts of the country and during the first week and fron 19th to the end of the month over northeast India.

The total rainfall for the month was in large excess in the Bay Islands, south Assam, Konkan, Madhy Maharastra, Marathwada, Rayalaseema, States of Madras and Mysore, Kerala and the Arabian Sea Islands, in moderat excess in West Madhya Pradesh and coastal Andhra Pradesh and normal in north Assam. It was in moderate defec in east Madhya Pradesh and in large defect over the rest of the country outside Sub-Himalayan West Benga Rajasthan and Gujarat State where there was no rain.

The mean maximum temperature was above normal in the Bay Islands, north Assam, Sub-Himalayan We Bengal, Jammu and Kashmir, coastal Andhra Pradesh and Talangana and below normal in coastal Mysore. I was normal over the rest of the country. The mean minimum temperature was below normal in Bihar Plain west Uttar Pradesh, Punjab, Jammu and Kashmir, west Rajasthan and above normal in Gujarat Region Konkan, Madhya Maharashtra, Marathwada, Andhra Pradesh and Mysore State. It was normal over the rest c the country.

The mean relative humidity in the morning was below normal in West Bengal, Orissa, east Madhya Pradesh Gujarat State and Vidarbha and above normal in the Bay Islands, Mysore State and the Arabian Sea Island It was normal over the rest of the country.

The mean cloud amount in the morning was above normal in the Bay Islands, south Assam, Gangetic We Bengal, Orissa, Bihar State, Madhya Pradesh, Maharastra State, Andhra Pradesh, States of Madras and Mysore Kerala and in Arabian Sea Islands and normal in north Assam, Sub-Himalayan West Bengal and Gujarat Region It was below normal over the rest of the country.

Table I contains the divisional and sub-divisional means of rainfall, temperature, humidity and cloud amoun for the 15 chief political divisions and 32 sub-divisions. The stations whose observations are used for preparing thes means are given in the subsequent tables.

The highest maximum temperature given for any station in the accompanying tables is that recorded within th 24 hours ending at 0830 hrs. I. S. T. of the date noted in the succeeding column; similarly the heaviest rainfall i 24 hours for any station denotes the amount recorded during the 24 hours ending at 0830 hrs. I. S. T. of th date given in the succeeding column.

Poona 5;
The 12th April, 1966.

R. ANANTHAKRISHNAN,
for *Director General of Observatories.*

NOTE : Description in respect of Himachal Pradesh is not included for want of normals.

Division	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C.	Mean minimum temperature °C.	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud 0830 hrs. IST.	Cloud 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1. Assam (including Nefa, Nagaland Manipur & Tripura)	19·2	204	24·9	11·3	85	76	3·1	2·7
	+9·8		+1·0	+0·9	−1		+0·6	
2. West Bengal	0·5	14	25·9	12·5	65	58	1·8	2·1
	−3·1		+0·1	−0·2	−7		+0·5	
3. Orissa	1·8	40	27·6	13·9	65	56	3·5	3·3
	−2·7		+0·7	−0·4	−6		+2·0	
4. Bihar	1·2	28	24·4	8·9	70	59	1·5	1·5
	−3·1		0	−1·3	0		+0·3	
5. Uttar Pradesh	0·7	8	24·5	7·2	70	52	0·8	0·9
	−8·5		+0·7	−1·1	−4		−0·5	
6. *Punjab (including Delhi and Himachal Pradesh)	1·1	7	23·2	5·3	68	41	1·1	0·8
	−15·2		+1·0	−1·1	−5		−1·1	
7. Jammu and Kashmir	10·0	42	15·9	−8·7	67	50	2·5	2·1
	−13·8		+1·3	−1·1	−3		−1·5	
Sub-Division								
1. Bay Islands	507·9	252	29·8	23·7	81	85	6·2	6·5
	+306·7		+1·1	+1·0	+10		+2·0	
2. North Assam (including NEFA)	11·1	100	24·7	11·6	85	78	2·5	2·3
	−0·1		+1·3	+1·0	−3		−0·2	
3. South Assam (including Nagaland Manipur & Tripura).	33·2	544	25·5	10·7	84	71	4·3	3·4
	+27·1		+0·3	+0·9	+3		+2·3	
4. Sub-Himalayan West Bengal	0	0	26·2	10·8	72	61	1·0	1·5
	−2·8		+1·2	−0·2	−6		−0·1	
5. Gangetic West Bengal	0·7	18	25·8	13·0	64	58	2·0	2·3
	−3·2		−0·2	−0·2	−7		+0·7	
6. Orissa	1·8	40	27·6	13·9	65	56	3·5	3·3
	−2·7		+0·7	−0·4	−6		+2·0	
7. Bihar Plateau	1·7	30	24·5	9·3	65	54	1·6	1·7
	−3·9		+0·1	−0·9	−4		+0·3	
8. Bihar Plains	1·0	27	24·4	8·6	74	63	1·3	1·4
	−2·7		0	−1·6	+3		+0·3	
9. Uttar Prodesh, East.	0·4	6	24·7	8·0	72	52	0·8	1·0
	−6·3		+0·6	−0·7	−5		−0·4	
10. Uttar Pradesh, West	1·1	9	24·0	6·1	68	52	0·8	0·8
	−11·5		+1·0	−1·7	−3		−0·7	
11. Haryana (including Delhi and Chandigarh								
12. *Punjab (including Delhi and Himachal Pradesh)	1·1	7	23·2	5·3	68	41	1·1	0·8
	−15·2		+1·0	−1·1	−5		−1·1	
13. Himachal Pradesh	7·6	..	22·0	1·8	85	55	1·5	0·9
	..		..	..	..		..	
14. Jummu and Kashmir	10·0	42	15·9	−8·7	67	50	2·5	2·1
	−13·8		+1·3	−1·1	−3		−1·5	
5. Rajasthan West	0	0	25·3	6·8	55	33	0·3	0·5
	−4·8		−0·1	−2·0	−4		−1·5	
16. Rajasthan East	0	0	25·5	8·4	55	32	1·0	0·8
	−5·4		+0·3	−0·9	−3		−0·3	

Division—*Cont.*	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C.	Mean minimum temperature °C.	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud 0830 hrs. IST.	Cloud 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
8. Rajasthan	0	0	25·4	7·7	55	33	0·7	0·7
	−5·1		+0·1	−1·4	−4		−0·8	
9. Madhya Pradesh	6·9	105	26·4	10·3	60	39	2·3	2·2
	+0·3		+0·4	+0·3	−6		−0·8	
10. Gujarat State (including Diu, Daman, Dadra and N. Haveli)	0	0	29·8	13·7	50	36	1·0	1·1
	−1·3		+0·4	0	−8		−0·3	
11. Maharashtra State (including Goa)	28·8	588	29·9	16·4	60	44	3·0	3·1
	+23·9		+0·6	+1·6	+5		+1·4	
12. Andhra Pradesh	17·6	128	29·8	19·0	71	51	3·8	4·1
	+3·9		+1·0	+2·1	−2		+1·4	
13. Madras State (including Pondicherry)	264·1	238	28·6	22·0	84	73	5·7	6·2
	+153·2		−0·2	+1·0	+4		+1·7	
14. Mysore	66·5	853	28·8	18·7	67	43	3·8	4·3
	+58·7		−0·1	+2·3	+8		+2·0	
15. Kerala	233·4	527	30·3	23·1	82	75	5·0	5·5
	+189·1		−0·5	+0·5	+5		+1·8	
Sub-division (*Contd.*)								
17. Madhya Pradesh, West.	9·9	136	26·4	10·2	58	37	2·1	1·9
	+2·6		+0·3	+0·3	−3		+0·6	
18. Madhya Pradesh, East.	3·0	53	26·4	10·4	62	42	2·5	2·6
	−2·7		+0·5	+0·3	−9		+1·0	
19. Gujarat Region (including Daman, Dadra and Nagar Haveli)	0	0	31·5	14·4	55	32	1·4	1·3
	−0·9		+0·8	−1·4	−9		+0·2	
20. Saurashtra and Kutch (including Diu)	0	0	28·7	13·2	48	38	0·8	1·0
	−1·5		+0·1	−0·8	−7		−0·6	
21. Konkan (including Goa)	55·8	2536	31·3	20·8	70	66	2·7	3·1
	+53·6		+0·7	+1·6	+3		+1·0	
22. Madhya Maharashtra	31·4	581	29·7	15·1	62	39	3·4	3·4
	+26·0		+0·2	+2·3	+3		+1·9	
23. Marathwada	20·1	347	29·1	15·1	53	35	3·1	3·0
	+14·3		+0·1	+2·1	−3		+1·3	
24. Vidarbha	0·9	13	29·3	14·2	52	35	2·7	2·7
	−6·9		+0·8	+0·8	−10		+1·1	
25. Coastal Andhra Pradesh	25·7	126	29·5	19·9	72	60	4·4	4·6
	+5·3		+1·1	+1·4	−2		+1·7	
26. Telangana	0·1	2	30·3	17·0	66	39	3·0	3·3
	−5·8		+1·4	+2·6	−4		+0·9	
27. Rayalaseema	28·1	255	29·7	20·1	76	53	3·7	4·4
	+17·1		0	+2·8	+3		+1·3	
28 Madras State (including Pondicherry)	264·1	238	28·6	22·0	84	73	5·7	6·2
	+153·2		−0·2	+1·0	+4		+1·7	
29. Coastal Mysore	229·3	3018	31·0	22·9	74	67	4·1	3·9
	+221·7		−1·2	+2·2	+8		+1·6	
30. Interior Mysore, North	20·9	332	29·2	17·9	71	45	4·0	4·8
	+14·6		+0·3	+2·3	+9		+2·3	
31. Interior Mysore, South	35·7	392	27·5	17·6	61	32	3·5	4·1
	−26·6		−0·1	+2·3	+7		+2·0	
32. Kerala	233·4	527	30·3	23·1	82	75	5·0	5·5
	+189·1		+0·5	+0·5	+5		+1·8	
33. Arabian Sea Islands	352·5	576	30·2	24·3	80	73	5·1	5·4
	+291·3		+0·1	+1·0	+9		+1·5	

NOTE—The entries in the second line for each division and sub-division indicate departures from normal.
* Data of Himachal Pradesh not included.

Sub-Division and station	Air temperature in °C								Rainfall in milimetres					No. of rainy days(2.5mm or more)		Wind speed km. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean Minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Bay Islands																														
Maya Bandar	29.0	..	29·7	1	24·1	..	22·3	8	113·6	436·8	..	136·0	9	13	..	18·0	13·0	..	2	16	0	0	1	0	0	0	0	0	0
Long Island	29.4	..	30·6	21	21·9	..	20·4	21	112·0	338·8	..	88·8	10	9	..	4·0	4·2	..	0	13	0	0	0	0	0	0	0	0	0
Port Blair	29.8	+1·1	31·8	5	23·7	+1·0	21·0	23	170·5	507·9	+306·7	133·3	10	12	+4·8	13·1	12·3	−2·3	2	17	0	0	9	0	0	0	0	1	0
Car Nicobar	29.2	..	30·3	5,4,30	24·3	..	22·4	11	162·6	515·2	..	87·5	7	15	..	6·5	6·0	..	0	16	0	0	2	0	0	0	0	0	0
Nancowry	30.3	..	32·8	19	24·2	..	22·7	31	186·8	456·1	..	76·6	7	18	..	3·4	2·6	..	0	23	0	0	12	0	0	0	0	0	0
Kondul	28.0	..	29·0	1	24·1	..	22·9	16	189·0	493·6	..	77·0	4	20	..	..	..	..	0	25	0	0	6	0	0	0	0	0	0
North Assam (Including Nefa)																														
Pasighat	23·9	..	26·9	1,7	12·0	..	9·4	20	7·1	12·3	..	5·2	19	2	..	11·2	17·0	..	1	4	0	0	0	0	0	0	0	0	0
Dibrugarh (Mohanbar)	24·4	+1·7	26·8	4,11	9·5	+0·6	7·2	20	6·2	7·7	−8·3	3·4	16	2	+0·6	4·8	2·6	+0·9	0	3	0	0	1	13	0	0	0	0	0
Digboi (R)																														
North Lakhimpur	25·1	+0·9	27·6	13	8·8	−0·5	7·0	21,22	0	41·2	+9·0	25·0	17	2	−1·3	3·9	2·2	..	0	2	0	0	2	0	0	0	0	0	0
Sibsagar	24·3	+2·0	26·1	5 days	11·8	+1·3	9.1	21,24	2·7	8·8	−5·9	4·9	16	1	−0·5	4·1 (b)	2·7 (c)	+1·1	0	3	0	0	0	6	0	0	0	0	0
Gohpur	23·5	..	25·0	4,7	8·7	..	6·5	22	0	11·4	..	11·4	18	1	..	4·1	2·7	..	0	1	0	0	0	4	0	0	0	0	0
Majba	25·6	..	27·5	5	15·0	..	..	..	1·6	6·6	..	3·6	17	1	..	4·4	2·5	..	0	3	0	0	0	10	0	0	0	0	0
Jorhat (Aerodrome)	24·8	..	27·3	11	11·2	..	8·9	21,24	0·5	9·0	..	4·6	18	2	..	..	..	..	0	3	0	0	0	31	0	0	0	0	0
Tangla	26·5	..	28·0	1,2	14·0	..	9·3	21 22,23	0	0	..	0	..	0	..	3·3	1·6	..	0	0	0	0	0	0	0	0	0	0	0
Tezpur	25·5	+1·5	31·5	6	15·6	+3·3	13·7	14	0	8·9	+2·6	7·3	17	1	+0·3	4·9	3·3	+1·0	0	2	0	0	3	0	0	0	0	0	0
Golaghat	24·6	..	26·6	1,6,11	10·7	..	7·9	21	0	26·8	..	13.8	19	3	..	..	..	..	0	4	0	0	0	0	0	0	0	0	0
Rangia	25·5	..	27·0	5	11·3	..	9·2	22	0	0	..	0	..	0	..	7·6	4·5	..	0	0	0	0	0	2	0	0	0	0	0
Chaparmukh	25·8	..	27·5	1	13·0	..	10·3	22,23	0	7·2	..	7·2	18	1	..	4·3 (c)	2·9 (d)	..	0	1	0	0	0	5	0	0	0	0	0
Goalpara	26·3	..	28·6	5	10·1	..	7·4	24	0	0	..	0	..	0	..	3·2	2·7	..	0	0	0	0	0	1	0	0	0	0	0
Gauhati (Bhorjor)	24·7	+0·9	26·6	8	11·8	+2·1	8·7	23	0	2·0	−2·1	1·8	18	0	−0·5	5·8	3·0	..	0	1	0	0	0	27	0	0	0	0	0
Dhubri (Rupsi)	25·0	..	27·5	16	11·1	..	8·7	19	0	0	..	0	..	0	..	6·8	5·9	..	0	0	0	0	0	7	0	0	0	0	0
Dhubri	24·0	+0·6	25·8	17,18	12·4	−0·8	10·7	22,26	0	0	−1·8	0	..	0	−0·1	12·1	8·2	+2·6	0	0	0	0	0	0	0	0	0	0	0
Lumding	24·8	+1·5	26·7	2	11·2	+0·8	7·9	22	0	9·3	+5·7	3·6	15	3	+2·6	3·1	1·9	..	0	3	0	0	0	0	0	0	0	0	0
South Assam (Including Nagaland, Manipur and Tripura)																														
Tura	24·8	..	28·5	10	14·1	..	11·4	25	0·1	1·3	..	1·3	25	0	..	3·7	5·4	..	0	1	0	0	0	0	0	0	0	0	0
Haflong	18·8	..	21·9	3	10·8	..	8·8	19	2·1	15·9	+6·8	8·4	15	2	+1·3	4·9	2·5	..	0	3	0	0	0	1	0	0	0	0	0
Silchar (Khumhirgram)	26·6	..	29·4	1	14.5	..	10·9	24	0	39·6	..	20·2	15	3	..	5·0	7·2	..	0	3	0	0	0	0	0	0	0	0	0
Silchar	27·7	+1·1	29·8	10	14·1	+1·5	10·6	30	0·6	41·2	+30·5	21·8	15	3	+2·3	2·2	1·1	-0·3	0	4	0	0	0	0	0	0	0	0	0
Imphal (Tulihal)	21·9	−0·2	24·9	3	6·2	+1·1	1·8	31	8·4	70·8	+67·7	49·4	15	4	+3·5	4·0	2·7	−0·8	2	5	0	0	0	18	0	0	0	0	0
Kailashahar	26·7	..	28·9	11	12·9	..	9·2	21	2·6	8·9	..	6·9	15	1	..	3·5	1·8	..	0	3	0	0	0	15	0	0	0	0	0
Agartala	26·8	+0·1	30·1	12	11·8	0	8·9	29	1·4	5·0	+3·3	4·2	15	1	+0·9	5·1	2·6	−0·3	0	3	0	0	0	8	0	0	0	0	0
Sub-Himalayan West Bengal																														
Baghdogra	27·0	+1·0	29·6	1	7·8	−2·1	5·0	19,25	0	0	−1·1	0	..	0	−0·1	7·3	6·5	+3·2	0	0	0	0	0	0	0	0	0	0	0
Jalpaiguri	26·3	+1·5	28·6	2	11·9	+0·1	9·5	19	0	0	−4,3	0	..	0	−0·4	4·7	3·7	+2·4	0	0	0	0	0	0	0	0	0	0	0
Cooch Behar	25·7	..	27·9	16	10·4	..	8·0	26	0	0	−4·1	0	..	0	−0·3	5·5	2·8	..	0	0	0	0	0	7	0	0	0	0	0
Balurghat	26·4	..	30·1	10	11·1	..	8·5	29	0·6	1·8	..	1·8	25	0	..	3·7	2·8	..	0	1	0	0	0	0	0	0	0	0	0
Malda	25·3	+1·0	28·5	10	12·7	+1·3	8·4	29	0	0	−1·8	0	..	0	−0·2	3·4	2·5	−2·0	0	0	0	0	0	0	0	0	0	0	0
Gangetic west Bangal																														
Berhampore	25·9	+0·8	28·8	10	12·7	−0·1	8·4	29	1·8	1·9	−2·2	1·8	25	0	−0·4	2·8	1·2	−0·2	1	1	0	0	0	4	0	0	0	0	0
Suri	25·9	..	27·1	1,3	13·0	..	7·2	29,30	..	1·0	..	1·0	25	0	..	..	5·5	..	0	1	0	0	0	0	0	0	0	0	0
Asansol	26·9	+1·0	30·5	11	10·9	−1·0	6·1	30	0	0·2	−4·4	0·2	24	0	−0·4	8·7	5·5	+0·2	1	0	0	0	0	0	0	0	0	0	0
Shanti Niketan	26·0	..	29·0	11	12·2	..	8·1	30	0	0·5	..	0·5	24	0	..	7·9	7·2	..	0	0	0	0	0	0	0	0	0	0	0
Krishnanagar	27·4	+1·5	30·0	11	11·1	−0·6	5·5	29	0	0	−2·8	0	..	0	−0·2	2·3	1·1	−0·7	0	0	0	0	0	0	0	0	0	0	0
Purulia	25·3	−0·8	28·5	12	12·3	−0·9	8·2	30	0	0	−1·3	0	..	0	−0·3	6·1	4·2	+1·5	0	0	0	0	0	0	0	0	0	0	0
Bankura	26·9	..	30·4	12	12·3	..	7·9	30	0	0	−2·8	0	..	0	−0·3	2·6	2·1	..	0	0	0	0	0	0	0	0	0	0	0
Burdwan	26·4	+0·3	29·2	12,13	13·9	+0·6	9·0	30	0·5	0·5	−4·3	0·5	25	0	−0·3	..	..	..	0	1	0	0	0	0	0	0	0	0	0
Barrackpore (Aerodrome)	25·8	..	29·3	12	13·5	..	8·7	30	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Calcutta (DumDum)	22·7	−3·9	29·7	12	13·3	0	8·8	30	0	1·6	−2·0	1·6	18	0	−0·3	5·4	2·9	−0·6	0	1	0	0	0	1	0	0	0	0	0
Calcutta	26·7	+0·4	31·4	12	14·4	+1·6	10·3	29	0	1·0	−3·6	1·0	18	0	−0·3	7·2	4.8	+1·7	0	1	0	0	0	1	0	0	0	0	0
Midnapore	25·6	−1·0	28·1	10	11·9	−1·2	8·2	30	0	0	−4·1	0	..	0	−0·3	7·7	4·8	+2·5	0	0	0	0	0	0	0	0	0	0	0
Contai	26·5	−0·4	29·7	12	12·9	−1·8	8·5	30	0	0	−4·3	0	..	0	−0·2	4·0	2·9	−0·3	0	0	0	0	0	3	0	0	0	0	0
Saga Island	25·0	+0·1	27·8	10	16·3	+1·2	12·1	30	0	2·4	−2·9	1·5	18	0	−0·4	16·9	13·3	+4·4	0	2	0	0	0	2	0	0	0	0	0
Sandheads	25·4	..	27·8	11	20·9	..	16·9	15	0	0	−3·8	0	..	0	−0·3	..	..	..	0	0	0	0	0	0	0	0	0	0	0

egisters not received. (a) mean of 29 days. (c) mean o 28 days. (d) Mean of 27 days.

b-Division and station	Air temperature in °C								Rainfall in millimeters					No. of rainy days (2.5mm or more)		Wind speed km. per hour			Weather phenomena—No of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean Minimum	Departure from Normal	Lowest	Date	Total fall during 0830-1730hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2 mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	1	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
issa																													
aripada	26·8	..	29·4	17	11·9	..	7·8	30	0	0	..	0	..	0	..	5·0	2·5	..	0	0	0	0	0	0	0	0	0	0	0
arsuguda	28·0	+0.4	31·5	12	11·9	−0·2	7·3	31	0	0	−1·4	0	..	0	−0·2	8·3	6·7	+1·6	0	0	0	0	0	0	0	0	0	0	0
eonjhargarh	24·8	..	27·5	17	14·2	..	10·6	20	0	0	..	0	..	0	..	5·4	3·7	..	0	0	0	0	0	0	0	0	0	0	0
alasore	26·9	+0·2	29·6	17	12·0	−1·2	8·	23	0	0	4·1	0	..	0	−0·3	7·9	4·4	+1·8	0	0	0	0	0	0	0	0	0	0	0
ambalpur	28·6	+1·8	31·1	12,13	12·2	+0·1	7·3	31	0	0	−4·3	0	..	0	−0·3	2·8	3·0	−0·1	0	0	0	0	0	0	0	0	0	0	0
ngul	27·9	+1·2	30·5	12	11·7	−1·1	7·5	31	0	0	−3·6	0	..	0	−0·4	4·0	3·6	−1·2	0	0	0	0	0	0	0	0	0	0	0
handbali	26·6	−0·2	30·4	16	13·6	−0·7	9·0	31	0	0	−0·8	0	..	0	−0·1	8·5	5·6	+0·3	0	0	0	0	0	0	0	0	0	0	0
olangir	28·1	..	31·8	17	1 6	..	6·8	31	0	0	..	0	..	0	..	2·8	3·2	..	0	0	0	0	0	0	0	0	0	0	0
nulbani	26·7	..	30·4	12	9·2	..	3·1	31	0	0	..	0	..	0	..	4·2	2·0	..	0	0	0	0	0	0	0	0	0	0	0
uttak	29·5	+2·2	31·9	10	14·5	−0·3	9·9	31	0	0	−5·8	0	..	0	−0·4	4·6	3·2	+1·8	0	0	0	0	0	1	0	0	0	0	0
itlagarh	30·5	..	32·6	17	13·5	..	8·3	21	0	0	..	0	..	0	..	4·2	2·7	..	0	0	0	0	0	0	0	0	0	0	0
nubaneswar	28·0	−0·2	30·6	16	15·0	−0·8	9·9	31	0	6·2	+3·3	6·2	17	1	+0·6	13·3	9·5	+3·0	0		0	0	0	1	0	0	0	0	0
uri	27·3	+0·4	30·1	10	16·3	−0·6	12·4	31	0	0·6	−5·5	0·6	17	0	−0·4	13·2	11·7	+2·4	0	1	0	0	0	0	0	0	0	0	0
opalpur	27·5	+0·6	30·5	12	17·6	+1·5	13·4	31	0·6	11·0	−2·5	9·8	17	1	+0·3	14·6	10·1	+0·3	0	3	0	0	0	1	0	0	0	0	0
orapur	25·5	+1·0	28·1	13	..	..	..	..	0	0	−2·8	0	..	0	−0·3	..	..	..	0	0	0	0	0	0	0	0	0	0	0
ar Plateau																													
umka	24·9	+0·2	27·0	1,1,3	10·5	−0·4	5·2	30	0·6	1·4	−1·9	0·8	24	0	−0·3	4·5	2·8	+1·0	0	2	0	0	0	0	0	0	0	0	0
altongunj	24·9	+0·2	27·8	5	8·1	0	4·2	30	5·1	5·1	−1·2	5·1	14	1	+0·5	2·9	2·2	−0·2	0	1	0	0	0	0	0	0	0	0	0
azaribagh	21·8	−0·6	25·5	10	8·0	−2·0	4·2	19	2·4	3·8	−3·1	2·4	14	0	−0·5	9·6	7·6	+0·4	0	2	0	0	0	0	0	0	0	0	0
hanbad	25·3	..	28·5	10	12·3	..	7·9	30	0	0	..	0	..	0	..	3·3	3·9	..	0	0	0	0	0	0	0	0	0	0	0
anchi	22·9	+0·2	25·3	9	8·5	−1·8	4·8	30	0	0	−6·9	0	..	0	−0·6	3·4	2·6	−2·1	0	0	0	0	0	0	0	0	0	0	0
anchi Aerodrome	22·5	..	26·2	12	10·4	..	5·6	30	0	0	..	0	..	0	..	13·7	20·6	..	0	0	0	0	0	1	0	0	0	0	0
mshedpur	26·4	−0·2	29·4	12	10·8	0	5·6	30	0	0	−5·8	0		0	−0·4	2·5	3·8	+1·4	0	0	0	0	0	14	0	0	0	0	0
mshedpur P.B.O.)	25·9	..	28·9	12	11·5	..	6·4	30	0	0	..	0	..	0	..	7·2	4·1	..	0	0	0	0	0	0	0	0	0	0	0
aibasa	26·2	+0·5	28·6	12	10·0	−0·9	6·1	31	0	0	−4·6	0	..	0	−0·4	3·0	2·1	+0·3	0	0	0	0	0	0	0	0	0	0	0
ar Plains																													
otihari	24·4	+0·4	27·3	10	6·5	−2·4	4·4	21	0·4	0·4	−3·4	0·4	14	0	−0·4	3·6	2·0	−0·1	0	1	0	0	0	0	0	0	0	0	0
orbesganj	25·2	..	27·5	1,10	9·5	..	7·4	19	0	0	..	0	..	0	..	2·9	1·3	..	0	0	0	0	0	4	0	0	0	0	0
arbhanga	22·3	−2·4	26·2	27	9·6	−1·4	8·0	4 days	0	0	−3·1	0	..	0	−0·3	1·6	1·4	−0·4	0	0	0	0	0	0	0	0	0	0	0
uzaffarpur	..	..	..	..	..	..	..	..	..	0	−3·1	0	..	0	−0·3	..	..	..	0	0	0	0	0	0	0	0	0	0	0
apra	25·4	..	27·2	11,12	10·8	..	8·4	18	0	0	−3·6	0	..	0	−0·4	1·6	0·9	..	0	0	0	0	0	0	0	0	0	0	0
urnea	25·4	+0·8	28·7	11	6·5	−3·2	2·1	25	0	0	−3·1	0	..	0	−0·3	0·7	0·2	−1·6	0	0	0	0	0	1	0	0	0	0	0
tna.	25·1	+1·4	28·5	4	9·6	−1·7	6·3	18	0	0	−5·6	0	..	0	−0·5	4·2	4·2	+1·5	0	0	0	0	0	0	0	0	0	0	0
tna Aerodrome	24·5	..	27·0	12	8·4	..	5·2	30	0	0	..	0	..	0	..	5·5	2·3	..	0	0	0	0	0	2	0	0	0	0	0
rah	..	..	..	..	..	..	..	..	..	0	−4·3	0	..	0	−0·5	..	..	..	0	0	0	0	0	0	0	0	0	0	0
agalpur	25·1	−0·4	28·0	10,12	11·6	−1·2	8·3	25	0	0	−1·6	0	..	0	−0·2	6·3	4·3	+0·4	0	0	0	0	0	1	0	0	0	0	0
baur	24·3	0	27·2	11	7·9	−0·9	5·2	22, 30	0	0	−3·1	0	..	0	−0·1	6·1	3·4	−0·9	0	0	0	0	0	1	0	0	0	0	0
mui	25·4	..	29·1	11	9·0	..	4·8	30	0	0	..	0	..	0	..	4·7	2·7	..	0	0	0	0	0	0	0	0	0	0	0
ehri	24·5	..	27·0	12	10·3	..	6·1	30	9·2	9·2	+4·6	9·2	14	1	+0·5	5·3	3·8	..	0	1	0	0	0	0	0	0	0	0	0
aya	24·1	+0·4	26·7	11	8·6	−0·6	3·9	30	1·3	1·3	−3·3	1.3	14	0	−0·4	5·0	2·9	−2·1	0	1	0	0	0	1	0	0	0	0	0
ar Pradesh																													
ast																													
heri (R)																													
haraich	25·9	+2·0	28·4	1	7·9	−1·1	3·7	29	0	0	−8·6	0	..	0	−0·9	4·3	2·5	+0·6	0	0	0	0	0	3	0	0	0	0	0
utanwa	25·5	..	28·2	10	9·8	..	6·6	14, 21	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
rdoi	24·4	+0·1	26·6	1,2,3	6·8	−2·1	4·5	31	0	0	−2·1	0	..	0	−0·5	4·7	2·5	−0·7	0	0	0	0	0	0	0	0	0	0	0
onda	24·9	+0·6	27·5	2,3,4	7·1	−1·6	4·1	30	0	0	−8·1	0	..	0	−1·1	3·1	2·5	−0·9	0	0	0	0	0	0	0	0	0	0	0
cknow	23·8	−0·6	26·0	1	8·6	+0·1	5·5	20	0	0	−8·1	0	..	0	−0·7	1·1	0·9	−0·7	0	0	0	0	0	1	0	0	0	0	0
cknow (Amausi)	24·3	−0·1	26·8	11	5·7	−1·2	1·8	30	0	0	−8·1	0	..	0	−0·7	6·5	4·3	..	0	0	0	0	0	0	0	0	0	0	0
izabad	25·6	..	28·0	1	7·5	..	4·3	28	0	0	..	0	..	0	..	3·0	1·2	..	0	0	0	0	0	1	0	0	0	0	0
orakhpur	25·3	+1·7	28·0	11	10·2	+0·3	7·3	29, 30	0	0	−4·8	0	..	0	−0·4	4·0	2·1	+0·8	0	0	0	0	0	0	0	0	0	0	0
anpur	24·5	+1·2	28·1	2	8·3	+0·2	4·3	30	0	0	−7·1	0	..	0	−0·8	8·7	5·0	+1·6	0	0	0	0	0	4	0	0	0	0	0
anpur (Aerodrome)	24·4	..	27·6	2	7·6	..	3·8	30	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	1	0	0	0	0	0
ltanapur	25.5	..	27·5	4,6	7·6	..	5·0	21	0	0	..	0	..	0	..	2·8	2·3	..	0	0	0	0	0	0	0	0	0	0	0
amgarh	25·5	..	29·4	16	6·4	..	2·9	30	0	0	..	0	..	0	..	3·4	1·6	..	0	0	0	0	0	0	0	0	0	0	0
tehpur	24·8	+0·3	27·8	4,5	8·0	−0·6	4·2	22, 31, 23, 30	0	0	−8·6	0	..	0	−1·1	4·7	2·3	−0·3	0	0	0	0	0	0	0	0	0	0	0
llia	24·3	..	27·5	6	10·0	..	7·4		0	0	..	0	..	0	..	1·9	1·8	..	0	0	0	0	0	5	0	0	0	0	0

(R) Register not received.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Windspeed km. per hour			Weather phenomena—No. of days with										
	Mean Maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2 mm.)	Precipitation (0.3 mm. or more.)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28
Uttar Pradesh East—(*contd*).																													
Banda	22·2	..	30·7	7	8·9	..	4·7	31	0	5·6	..	5·6	13	1	..	0·8	0·2	..	0	1	0	0	0	1	0	0	0	0
Allahabad (Bamhrauli)	25·1	+0·8	27·8	5	8·9	+0·5	5·3	19,22 29	3·6	4·4	−4·2	3·6	14	1	+0·3	3·5	1·7	−1·7	0	2	0	0	0	1	0	0	0	0
Varanasi (Babatpur)	24·1	−0·5	26·9	4	7·8	−1·8	3·2	30	0	0	−2·4	0	..	0	−0·3	6·0	4·7	−0·2	0	0	0	0	0	3	0	0	0	0
Varanasi	24·7	+0·7	28·8	4	8·7	−0·3	4·4	31	0	0	−6·9	0	..	0	−0·5	3·6	2·2	−0·7	0	0	0	0	0	0	0	0	0	0
Uttar Pradesh West																													
Mukhim	14·5	..	17·0	10	4·5	..	2·9	18	7·2	8·6	..	8·6	25	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0
Tehri	21·3	..	23·2	5 days	3·3	..	1·5	15	5·7	5·7	..	5·7	25	1	..	0·9	0·4	..	0	1	0	0	0	0	0	0	0	0
Dehra Dun	21·8	+1·4	24·0	11	4·9	−2·4	1·8	29	4·0	4·0	−21·9	4·0	25	1	−0·7	3·0	3·2	+0·8	0	1	0	0	1	0	0	0	0	0
Mansiari	12·1	..	16·6	31	2·3	..	−0·3	6,20	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
Roorkee	23·1	+1·3	26·3	1	4·2	−2·1	1·3	20,29	1·0	4·8	−12·5	3·8	8	1	−0·3	3·2	2·2	+0·1	0	2	0	0	1	0	0	0	0	0
Najibabad (R)																													
Meerut	24·4	+1·7	28·5	1	3·7	−3·3	0·7	30	0	0	−12·2	0	..	0	−1·2	..	4·0	..	0	0	0	0	0	0	0	0	0	0
Bareilly	25·1	+2·3	28·0	1,3	8·1	0	4·1	29	0	0	−10·4	0	..	0	−1·0	6·6	4·1	+2·2	0	0	0	0	0	10	0	0	0	0
Aligarh	..	..	..	..	6·8	−1·6	3·2	26	0	0	−10·9	0	..	0	−1·2	6·3	5·2	+0·4	0	0	0	0	1	0	0	0	0	0
Mainpuri	25·4	+1·3	29·1	2	5·8	−2·1	2·4	30	0	0	−9·4	0	..	0	−0·8	3·5	2·0	+0·2	0	0	0	0	0	0	0	0	0	0
Agra	23·8	−0·3	28·0	1,2	7·1	−0·8	3·5	30	0	0	−7·6	0	..	0	−0·8	1·9	1·4	−2·3	0	0	0	0	0	0	0	0	0	0
Agra Aerodrome	24·7	..	28·5	1	5·5	..	2·2	30	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	1	0	0	0	0
Orai	23·0	..	28·0	4	8·7	..	5·0	30,31	0	0·1	..	0·1	13	0	..	..	..	..	1	0	0	0	0	1	0	0	0	0
Jhansi	24·7	−0·9	28·8	3	8·0	−1·1	4·0	19,21	0	0	−7·4	0	..	0	−0·8	3·2	2·8	+0·1	0	0	0	0	0	0	0	0	0	0
Punjab (India) (Including Delhi)																													
Pathankot	22·5	+1·4	26·4	2,3	5·4	−1·5	2·2	18,19	1·3	4·8	−21·9	3·5	24	1	−0·8	..	..	..	0	2	0	0	2	0	0	0	0	0
Bhuntar	14.3	..	20·0	4	−0·7	..	−2·7	17	5·8	6·5	..	6·5	25	1	..	4·3	3·3	..	0	1	0	0	1	0	0	28	0	0
Amritsar (Rajasansi)	22·0	+0·8	25·3	2,4	2·9	−1·6	−0·4	29	0	0·9	−13	0·9	24	0	−1·4	6·0	4·8	−0·6	0	1	0	0	0	0	0	0	0	0
Adampur (Aerodrome)	22·9	..	27·5	3	1·5	..	−2·0	19	0	2·0	..	2·0	24	0	..	..	..	..	0	1	0	0	1	1	0	0	0	0
Ludhiana	24·0	+2·4	29·2	2	..	..	..	..	0	1·0	−17·3	1·0	24	0	−1·4	4·7	2·3	+0·5	0	1	0	0	2	1	0	0	0	0
Ferozepur	22·3	..	25·0	5 days	5·1	..	0·9	31	0	0	..	0	..	0	..	2·9	2·0	..	0	0	0	0	0	0	0	0	0	0
Halwara (Aerodrome)	22·8	..	27·1	2	2·1	..	−0·8	15	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
Chandigarh	22·7	+0·2	26·5	2,10	6·7	−0·7	3·0	19	0	2·0	−16·4	2·0	24	0	−1·4	..	..	..	0	1	0	0	0	0	0	0	0	0
Ambala	24·6	+2·2	28·6	4	5·9	−0·7	1·4	30	0	0·2	−19·1	0·2	8	0	−1·5	8·0	5·4	+2·0	1	0	0	0	1	0	0	0	0	0
Ambala (Aerodrome)	23·5	..	27·0	2,3	3·0	..	−0·7	19	0	1·0	..	1·0	24	0	..	..	..	..	0	1	0	0	0	0	0	0	0	0
Patiala	23·9	..	27·5	10	5·7	..	4	30	0	0	−12·9	0	..	0	−1·2	7·1	6·5	..	0	0	0	0	0	0	0	0	0	0
Bhatinda	23·1	..	25·9	3	2·9	..	0	17,26	0	0	..	0	..	0	..	3·4	2·0	..	0	0	0	0	0	0	0	0	0	0
Karnal																													
Hissar	23·6	+0·2	26·9	1	5·1	−1·1	1·5	28	0	0	−9·9	0	..	0	−1·0	5·0	5·0	+0·2	0	0	0	0	0	0	0	0	0	0
New Delhi (Safdarjung)	23·2	+0·1	28·2	1	6·1	−0·7	2·5	26	0	0·1	−10·8	0·1	8	0	−0·9	9·6	6·5	−1·9	1	0	0	0	1	1	0	0	0	0
Palam (Aerodrome)	22·8	..	28·0	1	5·2	..	0	27	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
Himachal Pradesh																													
Mandi	21·7	+1.6	24·5	3,24	−0·1	−3·8	−2·9	21	6·8	11·2	−21·9	6·8	25	2	−0·7	1·4	1·0	−0·8	0	2	0	0	0	0	0	0	0	0
Bilaspur	22·3	..	26·0	24	3·7	..	0·8	19	1·0	4·0	..	3·0	24	2	..	..	..	..	0	2	0	0	0	5	0	0	0	0
Jammu and Kashmir																													
Misgar (R)																													
Gilgit (R)																													
Skardu (R)																													
Dras (R)																													
Sonamarg (R)																													
Leh	..	..	..	..	−14·0	−3·3	−17·0	18	0·2	2·6	−2·2	2·6	25	1	+0·4	7·4	6·0	+3·7	0	1	1	0	0	0	0	0	0	0
Srinagar	8·7	−0·3	12·5	9	−3·4	+1·0	−6·9	18	8·9	25·1	−8·4	17·9	24	2	−1·4	4·1	3·8	+0·6	0	2	1	0	0	0	0	0	0	0
Srinagar (Aerodrome)	7·5	..	10·6	9	−3·2	..	−5·9	17	7·9	24·1	..	18·2	24	2	..	..	..	..	0	2	1	0	0	0	1	0	0	0
Gulmarg									Closed during winter months																				
Qazigund	8·6	..	12·0	4	−3·6	..	−5·9	16	27·6	57·6	..	29·4	25	2	..	1·6	2·5	..	0	2	1	0	0	0	0	0	0	0
Banihal	13·8	..	16·9	11	−1·7	..	−4·5	12	20·2	63·0	..	42·6	24	2	..	..	..	..	0	2	1	0	1	0	0	0	0	0
Jammu	23·0	+3·0	27·3	12	..	..	..	..	0	2·2	−30·8	2·2	24	0	−2·4	..	8·0	..	0	1	0	0	0	0	0	0	0	0
Jammu (Aerodrome)	22·2	..	27·7	1	6·6	..	..	..	0	3·8	..	3·8	24	1	..	..	..	..	0	1	0	0	2	0	0	0	0	0

(R) Register not received.

Sub-Division and Station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5mm or more)		Wind speed km. per hour			Weather phenomena—No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Rajasthan West																													
Ganganagar	24·2	+0·4	26·6	4	3·3	−4·1	0	26	0	0	−11·6	0	..	0	−3·3	1·0	0·4	−1·9	0	0	0	0	0	0	0	0	0	0	0
Anupgarh (R)																													
Bahajan	23·9	..	26·5	4,5,6	2·7	..	−3·1	26	0	0	..	0	..	0	..	6·3	4·2	..	0	0	0	0	0	0	0	0	0	0	0
Churu	23·7	..	28·2	1	3·9	..	−1.0	26,27	0	0	..	0	..	0	..	6·2	3·9	..	0	0	0	0	0	0	0	0	0	0	0
Bikaner	23·8	−0·9	27·8	23	3·6	−2·0	−1·9	26	0	0	−5·1	0	..	0	−0·5	7.4	5·6	+1·6	0	0	0	0	0	0	0	0	0	0	0
Nagaur	24·9	..	28·2	23	5·1	..	−0·4	25	0	0	..	0	..	0	..	6·5	5·4	..	0	0	0	0	0	0	0	0	0	0	0
Phalodi	23·1	..	27·6	21	4·3	..	−0·6	25	0	0	−2·0	0	..	0	−0·1	10·9	8·9	..	0	0	0	0	0	0	0	0	0	0	0
Jaisalmer	24·6	..	28·0	19	15·0	..	3.8	28	0	0	..	0	..	0	..	10·0	7·4	..	0	0	0	0	0	0	0	0	0	0	0
Jodhpur	26·6	+0·5	29·7	5	9·7	−0·6	5·3	25	0	0	−2·8	0	..	0	−0·3	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Barmer	26·5	−0·2	30.0	7	10.5	−1·4	5·7	25	0	0	−2·5	0	..	0	−0·3	8.7	7.2	+0·6	0	0	0	0	0	0	0	0	0	0	0
Jaipura (Bawai Dam)	29.4	..	33.6	15	7·5	..	3·2	25,26	0	0	..	0	..	0	..	3.2	2·4	..	0	0	0	0	0	0	0	0	0	0	0
Tusabao																													
Rajasthan East																													
Alwani	23.5	..	29·0	1	3·0	..	−1·5	27	0	1·0	..	0	..	..	..	6·3	5·7	..	0	1	0	0	0	0	0	0	0	0	0
Alwar	24·1	..	27·6	1	3·3	..	−3.6	26	0	0	..	0	..	0	..	4.3	3.2	..	0	0	0	0	0	0	0	0	0	0	0
Alwar	21.7	..	27·5	1	7.4	..	4.0	30	0	1·2	..	1.2	8	0	..	2.3	1·1	..	0	1	0	0	1	0	0	0	0	0	0
Jaipur (Sanganer)	24·3	−0·1	27.4	1	7.8	−0·9	3.4	19,30	0	0	−7·6	0	..	0	−0·7	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Dholpur	24·3	..	29·0	2	6.1	..	1·6	20	0	0	..	0	..	0	..	4.5	3·0	..	0	0	0	0	0	0	0	0	0	0	0
Ajmer	25·1	+1.0	27·9	1	7.2	−0·9	3·0	19	0	0	−6.6	0	..	0	−0·4	4·6	3·8	+1.9	0	0	0	0	0	0	0	0	0	0	0
Tonk	25·9	..	30·0	2	8·2	..	2·6	19	0	0	..	0	..	0	..	6.9	5·4	..	0	0	0	0	0	0	0	0	0	0	0
Bhilwara	25·6	..	30·0	1	7·4	..	2·5	18	0	0	..	0	..	0	..	5.6	4·6	..	0	0	0	0	0	0	0	0	0	0	0
Kota	26·1	−0·1	31·0	2	11.2	0	5·6	20	0	0	..	0	..	0	+0.5	4·2	2.8	+1·2	0	0	0	0	0	0	0	0	0	0	0
Kota (Aerodrome)	25.3	..	30·0	24	11·1	..	6·8	18	0	0	−5.3	0	..	0	..	7.6	5·7	..	0	0	0	0	0	0	0	0	0	0	0
Cambal (Rawat Bhatta Dam)	26·5	..	30·4	2	10·8	..	5.1	18	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Udaipur	26·3	+0·6	29·0	2	7.8	−1·4	3.3	19	0	0	−2.8	0	..	0	−0·3	2·9	1·2	..	0	0	0	0	0	0	0	0	0	0	0
Jhalawar	26·5	+0·8	30·9	2	8·6	−0·7	2·7	18	0	0	−4·8	0	..	0	−0.3	6·0	3.8	+1·4	0	0	0	0	0	0	0	0	0	0	0
Banswara	29·8	..	32·4	1,7	13·2	..	9·0	18	0	0	..	0	..	0	..	6·3	6·5	..	0	0	0	0	0	0	0	0	0	0	0
Madhya Pradesh West																													
Gwalior	24.4	−0.2	28.9	25	6.3	−0·8	1·7	19	0	0	−6.1	0	..	0	−0·7	6.4	3·1	..	0	0	0	0	0	0	0	0	0	0	0
Sheopur	26·0	−0.1	29·9	1	7.9	−0.4	3.6	19,20	0	0	−3·4	0	..	0	−0·5	6.9	5.0	+1·0	0	0	0	0	0	0	0	0	0	0	0
Shivpuri	24·2	..	28·4	3	4.5	..	−1·5	19	0	0	..	0	..	0	..	6·1	3·5	..	0	0	0	0	0	1	0	0	0	0	0
Nowgong	24·6	+1·0	29·6	25	7·4	−0.6	2·3	31	0	10.4	+0·2	10.4	13	1	−0.3	4.5	2·3	+0·9	0	1	0	0	0	2	0	0	0	0	0
Guna	26·5	+1·0	30·1	3	8.3	+0.8	1.5	18	0	0	−10.7	0	..	0	−1·2	9·5	6·6	..	0	0	0	0	0	1	0	0	0	0	0
Nimach	26·6	+0.8	29·7	3	10·8	+1.1	5.6	19	0	0	−4·6	0	..	0	−0·5	7·6	6·1	+0.5	0	0	0	0	0	0	0	0	0	0	0
Rajgarh	26·5	..	30·6	2	10.0	..	3.1	18	0	0	..	0	..	0	..	8·8	6·4	..	0	0	0	0	0	0	0	0	0	0	0
Sagar	25.8	+0·4	30.4	5	11·9	−0.3	9·7	17,19	0	30·0	−17.1	27·0	13	2	+1.2	7·7	6·8	..	0	2	0	0	0	0	0	0	0	0	0
Ratlam	28·6	+0·7	31·5	2	11·8	−0·1	8.2	14	0	0	−0·5	0	..	0	−0·1	10·3	9·6	+3.1	0	0	0	0	0	0	0	0	0	0	0
Bhopal (Bairagarh)	25·2	−0·5	29·7	3	11.1	+1.3	5·6	18	4·5	34·7	+29 0	32·6	13	1	+0·5	8·7	7·7	+1·9	1	2	0	0	0	3	0	0	0	0	0
Ujjain	27·6	..	30·8	4 days	9.3	..	2.5	19	6·2	9·0	..	9·0	13	1	..	9·0	5·9	..	0	1	0	0	0	1	0	0	0	0	0
Narsinghpur	26·5	..	31·0	4	7.4	..	1.0	19	2·0	8·0	..	7·0	13	1	..	5·2	2·6	..	0	2	0	0	0	0	0	0	0	0	0
Hoshangabad	26·4	−0·3	32·9	8	12·0	−0·2	6.8	18	3·0	16·0	+4·1	13·0	13	2	+1.3	5·4	6.0	+2·9	0	2	0	0	0	0	0	0	0	0	9
Indore	26·6	+0.1	30.2	2,3	10·9	+1.1	6·2	14	10·8	17·0	+10.1	17·0	13	1	+0.4	9·5	7·4	..	0	1	0	0	0	2	0	0	0	0	0
Rajpur (Jhabua)	28.9	..	31.8	2	12·3	..	7.4	19	1·2	3·9	..	3·4	13	1	..	6.4	3.3	..	0	2	0	0	0	0	0	0	0	0	0
Chhindwara	26·7	+0·4	28·7	5	9·7	−0.1	4·6	22	0	0·2	−3·6	0·2	13	0	−0·5	4·8	2·5	−0·8	1	0	0	0	0	0	0	0	0	0	0
Seoni	26·4	+1·0	29·8	4	10.9	+0·6	6·8	22	2·4	2·4	−10.8	2·4	14	0	−0.9	6·8	5·2	+2.0	0	1	0	0	0	0	0	0	0	0	0
Betul	26·8	0	29·5	3	10·8	+0·6	5.1	19	0·6	1·2	−3.2	0·6	13, 14+	0	−0·5	5·9	4·1	+0·2	0	2	0	0	0	2	0	0	0	0	0
Khandwa	29·1	+0.2	33·0	3,5	12·5	+1·7	6·8	19	3.0	26·8	+18·7	25·6	13	1	+0·5	7·0	4.2	+0·7	0	2	0	0	0	2	0	0	0	0	0
Madhya Pradesh East																													
Satna	24·6	+0·3	29·4	4	8·6	0	4.1	31	2·0	15·6	+4·7	13·6	13	1	+0·1	2.3	2.5	−0·2	0	2	0	0	0	0	0	0	0	0	0
Rewa	24·4	..	29·9	4	7.8	..	3.0	31	2·4	12·2	..	9·6	13	2	..	3·9	2·1	..	0	2	0	0	0	0	0	0	0	0	0
Sidhi	25·5	..	29.9	4	7.5	..	3·0	30,31	4·0	14·0	..	10·0	13	2	..	3·9	2·0	..	0	2	0	0	0	0	0	0	0	0	0
Umaria	25·1	+0·2	30.2	4	7.8	+0.1	1·7	31	1·3	11·3	+2·4	10·0	13	1	+0.1	5·2	3.0	+0·1	0	2	0	0	1	1	0	0	0	0	0
Jabalpur	26·2	+1·1	31·7	4	8.8	+0·7	3·5	21	1·8	4·6	−4·8	4·2	13	1	+0.3	4.9	3·1	+1.3	0	2	0	0	0	0	0	0	0	0	0
Ambikapur	24.0	−0·2	28·0	12	8·3	+0·3	3·7	31	0	0	−2·3	0	..	0	−0·2	..	.	..	0	0	0	0	0	1	0	0	0	0	0
Jashpur Nagar	23·4	..	26·4	12	7·9	..	2·7	19	0	0	..	0	..	0	..	7·1	4·2	..	0	0	0	0	0	0	0	0	0	0	0
Pendra	23·9	+0·7	27.3	5	10·7	+0·9	5·1	31	0·5	0·5	−6.9	0·5	14	0	−0.5	6·5	4·7	..	0	1	0	0	0	1	0	0	0	0	0
Mandla	26·3	−0·3	29·4	4	7·1	−0.7	1·2	22	0	0·8	−5·1	0·8	13	0	−0·5	4.2	2·6	+1·3	0	1	0	0	0	0	0	0	0	0	0
Champa	27.4	−0.1	29.8	4,12	12·1	−1·4	7	30	0	0	−4·1	0	..	0	−0.4	5·7	5·7	+1·4	0	0	0	0	0	0	0	0	0	0	0

(R) Register not received

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days(2.5mm or more)		Wind speed, km. per hour			Weather phenomena No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall du 0830-1730 ho	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2 mm.)	Precipitation (0.3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust storm	Ground frost	Gale	Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28
Madhya Pradesh East—(*contd.*)																												
Raigarh	28·3	−0.1	31.4	12	13·2	−0.2	8·8	30,31	0	0	−1·3	0	..	0	−0·3	2·4	2·0	−1·2	0	0	0	0	0	0	0	0	0	0
Raipur	27·7	+1·0	30·6	13	12·7	+0·2	8.5	20	0	0	−5·1	0	..	0	−0.3	6·9	4·6	+0.3	0	0	0	0	0	0	0	0	0	0
Kankar	28·0	+1.3	31·5	13	11.9	+1.5	6·5	22	0	0	−3.6	0	..	0	−0·4	3·4	2·7	0	0	0	0	0	0	0	0	0	0	0
Jagdalpur	28.6	+1·9	30.7	10	13.3	+2.4	7·5	31	0	0	−4·1	0	..	0	−0·4	5·6	3·3	..	0	0	0	0	0	1	0	0	0	0
Gujarat Region (including Daman Dadra & Nagar Haveli)																												
Deesa	29·3	..	32.6	6	10·9	..	7·1	20	0	0	..	0	..	0	..	10.3	9·0	..	0	0	0	0	0	0	0	0	0	0
Radhanpur	28·8	..	31.5	7	10.6	..	7·7	31	0	0	..	0	..	0	..	8.2	6.8	..	0	0	0	0	0	0	0	0	0	0
Idar	29·6	..	32·1	1	16·9	..	12·3	15	0	0	..	0	..	0	..	8.0	8·2	..	0	0	0	0	0	0	0	0	0	0
Ahmadabad	30·6	+1·3	33.0	1	13.4	+1·3	9.1	19	0	0	−1·0	0	..	0	−0·1	9.6	5.0	+1·8	0	0	0	0	0	0	0	0	0	0
Dohad	29·3	+0·2	30.0	2,6,8	13.8	+1.5	9.9	18,19	0	0	−1·3	0	..	0	−0·2	8·1	6·5	−0·8	0	0	0	0	0	1	0	0	0	0
Vallabh Vidyanagar	31.1	..	34·3	2	12.7	..	7.7	19	0	0	..	0	..	0	..	8·9	6·4	..	0	0	0	0	0	4	0	0	0	0
Baroda Aerodrome	31·8	..	34.4	5,28	14.2	..	9.0	19	0	0	..	0	..	0	..	8·3	6·3	..	0	0	0	0	0	0	0	0	0	0
Baroda	32·8	+1.7	35·8	28	14·6	+3.3	9·0	19	0	0	−0.1	0	..	0	−0.1	4.4	3·2	+0·1	0	0	0	0	0	0	0	0	0	0
Broach	31·4	−1·6	35·0	1	14·1	+0·1	10·4	19	0·2	0	+0·1	0·2	12	0	0·0	4·9	3·7	−1·3	1	0	0	0	0	0	0	0	0	0
Surat	33·4	+2·3	36·8	6	15·9	+0·7	12·5	18,25	0	0	−2·2	0	..	0	−0·1	8·6	7·9	+3·6	0	0	0	0	0	0	0	0	0	0
Saurashtra and Kutch (including Diu)																												
Nalya	26·7	..	30·8	5,6	7·6	..	2·5	27	0	0	..	0	..	0	..	18·8	13·7	..	0	0	0	0	0	0	0	0	0	0
Bhuj (Rudramata)	27·3	−0·4	29.6	1,5,6	9·3	−2·2	5·8	26	0	0	−1·8	0	..	0	−0·1	15·2	9·9	+3·0	0	0	0	0	0	0	0	0	0	0
Kandla Aerodrome	26·1	..	30·8	6	12·1	..	9·2	20	0	0	..	0	..	0	..	21·5	20·0	..	0	0	0	0	0	0	0	0	0	0
New Kandla	26·2	..	30·0	31	13·9	..	9·4	25	0	0	..	0	..	0	..	13.8	14·1	..	0	0	0	0	0	0	0	0	0	0
Mandvi	27·3	+0·4	31·0	1	13·6	−2·0	9.5	19,25	0	0	−2·9	0	..	0	−0·1	16.8	15·6	+1·3	0	0	0	0	0	0	0	0	0	0
Surendranagar	29·9	0	33·3	7	13·5	−0·7	9.5	25	0	0	−0·2	0	..	0	..	7·6	7·3	−0·3	0	0	0	0	0	0	0	0	0	0
Okha	25·3	..	28·0	1	19·5	..	15·0	26	0	0	..	0	..	0	..	16·9	21·3	..	0	1	0	0	0	0	0	0	0	0
Jamnagar (Aerodrome)	27·9	−0·2	30·6	6	11·8	+1·0	5·6	19	0	0	−2·0	0	..	0	−0·1	..	..	..	0	0	0	0	0	0	0	0	0	0
Dwarka	27·3	0	30·3	6	16.0	−0·6	13.4	26	0	0	−2·3	0	..	0	−0·2	9·0	14·9	+2·8	0	0	0	0	0	0	0	0	0	0
Rajkot	29·4	−0·4	33·2	5	11·6	−1·1	7·9	25	0	0	0	0	..	0	0·0	17·7	13.5	+2·2	0	0	0	0	0	0	0	0	0	0
Bhavnagar Aerodrome.	29·7	+1·4	32·3	1	14·4	+0·1	10.7	18	0	0	−1·5	0	..	0	−0·1	16.5	13·7	+3·7	0	0	0	0	0	0	0	0	0	0
Porbander Aerodrome	30.7	+0·3	34·6	5	15·6	−1·2	9·2	19	0	0	−0·8	0	..	0	−0·1	16·4	14·0	..	0	0	0	0	0	0	0	0	0	0
Keshod	31·2	..	34·5	5	12·6	..	8·9	18	0	0	..	0	..	0	..	15.8	14·7	..	0	0	0	0	0	0	0	0	0	0
Mahuva	31·7	..	33·6	29	17·3	..	12·9	18	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
Veraval	31·4	..	34·6	5	16·7	..	12·4	22	0	0	−1·8	0	..	0	−0·2	17·4	15.5	..	0	0	0	0	0	0	0	0	0	0
Konkan (including Goa)																												
Dahanu	30·0	+0·6	35·1	1	18·3	+0·8	14·3	18	0	0	0	0	..	0	0	(c) 15.0	(b) 10.2	−0·8	0	0	0	0	0	0	0	0	0	0
Bombay(Santa Cruz)	32·6	+1·5	35·9	1	18·8	+3·1	14·5	18	14·8	16·0	+14·2	16·0	13	1	+0·9	9·5	6·8	..	0	1	0	0	0	0	0	0	0	0
Bombay (coloba)	31·4	+1·1	35·6	6	21·5	+1·1	18·4	25	2·4	2·5	+0·5	2·5	13	1	+0·8	10·1	9.0	−1.5	0	1	0	0	0	0	0	0	0	0
Alibag	30·6	+1·0	35·3	6	19·7	+1·3	16·4	28	..	4·1	+0·3	3·4	13	1	+0·6	..	5·9	−1·3	0	1	0	0	0	0	0	0	0	0
Bhira	35·0	..	37·5	3,4	18·6	..	14·6	4 days	2·0	2·6	..	2·0	13	0	..	4·6	3·3	..	0	2	0	0	0	0	0	0	0	0
Harnai	30·2	+0·7	34·5	2	24·0	+1·2	21·3	25	2·0	15·9	+14·6	13·9	12	1	+0·9	14·6	13·8	+2·3	0	2	0	0	0	0	0	0	0	0
Ratnagiri	32·4	..	36·0	4	20·5	..	14·5	4	0·5	87·7	+83·9	48·9	11	2	+1·7	11·6	7·5	..	0	2	0	0	0	0	0	0	0	0
Devgarh	31·4	+0·2	34·7	2	22·6	+1·3	19·5	31	37·2	126·0	+121·7	117·6	11	3	+2.6	13·5	12·0	+1·0	0	3	0	0	0	0	0	0	1	0
Vengurla	32·6	+0·1	36·0	1,6	20·8	+2·3	16·0	31	87·6	193·9	+193·6	124·9	11	4	+3·9	10·7	6·5	..	0	4	0	0	1	0	0	0	1	0
Panjim	32·0	..	35·6	1	22·2	..	19·2	31	142·0	216·3	..	100.8	11	5	..	(d) 10·9	(e) 9·3	..	0	5	0	0	1	1	0	0	0	0
Mormugao	31·5	..	35·6	1	23·3	..	20·3	11	130·1	205·8	..	74·8	11	5	..	13·5	12·1	..	0	5	0	0	1	0	0	0	1	0
Dabolim (Naval Air Station)	31·7	..	35·0	4	23.0	..	20·6	25,28	84·2	143.3	..	69·7	11	5	..	8·7	6·1	..	0	5	0	0	2	0	0	0	1	0
Madhya Maharashtra																												
Nandurbar	30·9	..	33·5	6	16·3	..	12·9	19	0	0·4	..	0·4	13	0	..	(a) 8·8	(b) 6·2	..	0	1	0	0	0	0	0	0	0	0
Jalgaon	30·6	+0·3	33·3	4	14·2	+2·1	9·4	24	0·6	11·6	+6·0	11·6	13	1	+0 5	13·4	11·2	+4·5	0	1	0	0	0	1	0	0	0	0
Malegaon	29·6	+0·2	32·5	4	13·1	+1·8	8·1	18	1·6	12·2	+6·9	12·2	13	1	+0·6	7·1	5·3	+0·6	1	1	0	0	0	0	0	0	0	0
Ozar	29·4	..	..	..	12·7	..	..	..	..	(h) 14.0	..	..	..	..	..	(i) 13·2	(k) 9·1	..	..	..	0	0	0	0	0	0	0	0
Ahmednagar	29·6	+1·2	32·3	3	14·1	+2·5	9·3	29	14·2	21·4	+14·8	16·4	13	2	+1·5	9·9	6.6	+1·1	0	2	0	0	0	0	0	0	0	0
Khandala	..	..	..	..	..	..	..	..	..	26·0	+22·9	26·0	13	1	+1·0	..	..	..	0	1	..	..	..	..	..	..	..	..
Poona (Aerodrome)	30·1	..	31·8	3	15·7	..	11·4	29	7·7	9·8	..	7·7	12	1	..	..	..	..	0	3	0	0	0	0	0	0	0	0
Poona	29·3	+0·1	31·4	4	13·3	+2·9	8·0	30	7·7	15·3	+11·5	12·2	12	1	+0·5	6·5	3·5	..	0	4	0	0	0	0	0	0	0	0

(a) Mean of 30 days (R) Register not received. (c) Mean of 26 days. (b) Mean of 29 days. (d) Mean of 27 days.
(h) total for 23 days. (e) mean of 25 days. (k) Mean of 20days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2·5mm or more		Wind speed, km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation 0·1 and ·02 mm.)	Precipitation (0·3 mm or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
Madhya Maharashtra—(Contd).																													
Jeur	29·7	−0·4	31·8	4	15·0	+2·1	9·0	30	21.8	28.6	+23·6	23·4	12	2	+1·8	10·8	7.4	+2·5	0	2	0	0	0	0	0	0	0	0	0
Baramati	29·3	−0·3	31·6	2,5	15·6	+2·0	10·5	31	1·8	30·6	+26·3	15.2	13	3	+2·6	10·3	7·7	+1·4	0	3	0	0	0	0	0	0	0	0	0
Sholapur	30·2	+0·5	33·0	20	17·2	+2·5	12·5	27,29	21·8	34·7	+24·3	21·3	12	2	+1·3	11·0	9·0	−0·2	4	3	0	0	0	2	0	0	0	0	0
Miraj	29·4	+0·5	31·4	4 days	16·6	+2·7	11·3	31	27·4	87·8	+80·7	69·0	11	2	+1·4	..	..	..	0	3	0	0	0	8	0	0	0	0	0
Kolhapur	29·7	+0·1	32·0	3	16·8	+2·2	13·4	31	16·4	45·5	+42·7	42·9	11	1	+0·8	14·5	10·3	+1·1	0	2	0	0	0	1	0	0	0	0	0
Marathwada																													
Aurangabad	29·0	+0·4	31·6	4	15·7	+2·5	12·3	29,30	1·6	36·0	+29·1	26·0	13	2	+1·5	7·2	6·4	−0·5	0	2	0	0	0	0	0	0	0	0	0
Aurangabad (Chikalthan)	28·	..	31·1	4	..	..	..	..	2·4	35.8	..	23·6	13	2	..	10·5	6·5	..	0	2	0	0	0	0	0	0	0	0	0
Parbhani	29·3	−0·1	32·1	4	14·5	+1.8	10·0	27	0	4·2	−0·6	4·2	12	1	+0·7	8·8	5·6	+0·9	0	1	0	0	0	0	0	0	0	0	0
Nander	30·7	..	32·0	4days	14·3	..	9·0	29	0	5·0	..	1·8	8	0	..	7·0	4·6	..	0	4	0	0	0	0	0	0	0	0	0
Bir	29·2	..	31·4	4	13·6	..	7·9	29	13·8	28·0	..	21·2	12	2	..	6·0	4·0	..	0	2	0	0	0	0	0	0	0	0	0
Vidarbha																													
Gondia	27·9	+0.3	31·4	4	13·2	+0·4	8·9	10	0	0	−2·2	0	..	0	−0·3	3·5	2·3	+0·1	0	0	0	0	0	0	0	0	0	0	0
Nagpur (Sonegaon)	29·0	+0·6	32·0	4	12·5	+0·8	7·0	24	0·2	0·2	−11·7	0·2	14	0	−0·8	9·2	7·6	..	1	0	0	0	0	0	0	0	0	0	0
Amraoti	29·6	+1·2	33·3	5	15·6	+0·9	12·4	24	0	1·0	−10·2	1.0	14	0	−0·8	8·9	9·8	+4·5	0	1	0	0	0	2	0	0	0	0	0
Akola Aerodrome	30·1	..	33·0	4	12·0	..	7·6	19	2·0	3·2	..	2·0	14	0	..	11·6	9·5	..	0	3	0	1	0	0	0	0	0	0	0
Akola	30·2	+0·9	33·9	4	11·7	−0·1	8·0	19	0	1.4	−12·3	0·7	12,13	0	−0·9	5·2	(d) 4·9	+1·0	0	2	0	0	0	0	0	0	0	0	0
Brahampuri	29·6	..	32·2	4	13·1	..	7·1	23	0	0	..	0	..	0	..	5·9	3·7	..	0	0	0	0	0	0	0	0	0	0	0
Buldana	27·8	+0·4	30·6	2	15·3	+0·2	11·9	16	1·1	4·3	−1·6	4·3	13	1	+0·5	7·9	7·5	+1·1	0	1	0	0	0	2	0	0	0	0	0
Yeotmal	28·8	+0·4	31·9	3	15·5	+0·4	11·6	13	0	0	−3·3	0	..	0	−0·3	10·0	8·7	+1·2	0	0	0	0	0	0	0	0	0	0	0
Chanda	29·9	+1·8	32·2	3	13 6	+2·0	7·8	22	0	0	−6·9	0	..	0	−0·7	6·2	3·9	+1·8	0	0	0	0	0	0	0	0	0	0	0
Pusad	30·6	..	31.4	4days	14·1	..	11·8	1	0	0	..	0	..	0	..	6·5	4·8	..	0	0	0	0	0	0	0	0	0	0	0
Sironcha	30·9	+1·1	33·0	14	16·4	+1·8	9·2	23	0	0	−0·3	0	..	0	−0·1	3·6	2·1	−0·5	0	0	0	0	0	0	0	0	0	0	0
Coastal Andhra Pradesh																													
Kalingapatam	27·4	+0·6	30·1	16	17·9	+0·6	13·4	31	23·6	0	+9·9	16·8	18	2	+1·6	14·7	9·2	+0·3	0	2	0	0	0	0	0	0	0	0	0
Vishakhapatanam	30·1	+1·0	32·6	11	19·6	+1·2	15·0	22	0	0	−41·5	0	—	0	−0·9	17·5	10·3	+4·8	0	0	0	0	0	0	0	0	0	0	0
Kakinada	28·3	+1·4	32·7	15	19·8	+0·7	15·3	22,24	0	0	−17·8	0	..	0	−0·8	16·3	13·1	+2·8	0	0	0	0	0	0	0	0	0	0	0
Nidadavole	29·9	..	32·5	15	18·9	..	15·2	29	0	0	..	0	..	0	..	11·2	7·5	..	0	0	0	0	0	0	0	0	0	0	0
Rentachintala	30·9	+1·0	33·9	13,14	19 6	+3·0	15·4	23,29	0	0	−3·1	0	..	0	−0·4	3·4	4·2	−0·9	0	0	0	0	0	0	0	0	0	0	0
Gannavaram	30·7	+0·9	34·2	14	20·1	+1·0	15·6	31	0	0	−5·1	0	..	0	−0·8	16·7	11·7	+2.3	0	0	0	0	0	0	0	0	0	0	0
Nagarjuna Konda (R)																													
Masulipatam	30·2	+2·1	33·0	14·15	20·6	+1·4	16·0	21,22	0	9·0	−7·5	9·0	3	1	+0·1	..	..	..	0	1	0	0	0	0	0	0	0	0	0
Ongole	29·5	..	32·9	14	21·3	..	18·1	30,31	38·2	46·0	..	38·2	..	2	..	7·6	6·3	..	0	3	0	0	0	0	0	0	0	0	0
Nellore	29·1	+0·4	31·9	16	22·0	+1·8	18·9	30	34·1	147·5	+74·9	61·4	9	6	+10·2	10·5	7·1	+2·3	0	8	0	0	0	0	0	0	0	0	0
Telangana																													
Ramgundam	30·2	+0·2	33·8	17	17·0	+2·3	11·2	23	0	0	−0·4	0	9	6	−0·2	10·5	2·9	−0·5	0	0	0	0	0	0	0	0	0	0	0
Nizamabad	29·9	+1·2	32·4	14	16·0	+3·2	10 5	23	0	0	−4·6	0	..	0	−0·4	5·5	..	..	0	0	0	0	0	6	0	0	0	0	0
Hanamkonda	30·5	+2·1	32·3	12,14, 18	17·8	+2 1	12·6	25	0	0	−5·8	0	..	0	−0·4	5·5	4·3	+0·1	0	0	0	0	0	0	0	0	0	0	0
Hakimpat (Aerodrome)	27·8	..	30·6	15	17·2	..	13·9	23	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
Bhadrachalam	32·1	+2·4	34·6	14	17·9	+2·2	12·2	23	0	0	..	0	..	0	−0·6	3·9	4·1	+0·3	0	0	0	0	0	0	0	0	0	0	0
Hyderabad (Begampet)	29·0	+1·3	31·2	16	16·5	+3·2	11·4	26	0	0·3	−7·3	0·3	6	0	−0·4	10·2	6·5	−0·3	0	1	0	0	0	1	0	0	0	0	0
Khammam	31·2	..	34·0	14,15	18·9	..	14·1	29	0·6	0·6	1·6	0·6	16	0	..	5·0	3·1	..	0	1	0	0	0	0	0	0	0	0	0
Mahbubnagar	29·1	..	32·6	17	18·3	..	13·1	23	1·2	1·2	..	1·2	12	0	..	13·5	10·0	..	0	1	0	0	0	0	0	0	0	0	0
Rayalaseema																													
Kurnool	30·4	+0·2	32·8	17	19·2	+3·2	13·6	31	0	7·5	+2.4	3·4	10	1	+0·7	8·1	6·3	+2·4	0	3	0	0	0	0	0	0	0	0	0
Nandyal (R)																													
Anantpur	28·8	−0·1	30·7	17	19·9	+2·8	15·0	31	1·6	69·9	+54·6	31·4	12	3	+2·4	13·3	11·6	+2·8	0	4	1	0	0	0	0	0	0	0	0
Cuddapah	30·0	..	33·6	16	21·2	+2 5	16·3	31	3·6	14·8	−5·8	11·0	8	1	−0·5	7·9	6·9	−0·3	0	4	0	0	0	0	0	0	0	0	0
Arogyavaram	26·5	..	28·6	1,11	157	..	11·5	30	4·5	27·5	..	2·0	8	5	..	7·7	4·9	..	0	5	0	0	0	0	0	0	0	0	0
Madras State—(including pandicherry)																													
Madras	28 4	..	31·7	15	22·7	..	20·0	30	172·6	325·8	..	102·8	4	9	..	10.7	6·7	..	0	10	0	0	3	0	0	0	0	0	0
Madras (Minambakkam)	28·4	−0·5	31·6	15	22·2	+1·7	19·7	22	100·2	300·1	+161·7	141·4	4	9	+3·6	11·7	7·9	−5·8	0	10	0	0	3	0	0	0	0	0	0
Vellore	28·3	+0·3	32·6	14	20·3	+2·1	15·4	31	66·3	216·5	+150·0	73·9	4	9	+5·1	9·8	7·3	+3·6	0	9	0	0	0	18	0	0	0	0	0
Tambaram	28·6	..	32·3	15	22·1	..	19·4	30	83·0	284·1	..	118·6	4	10	..	..	..	..	0	11	0	0	1	0	0	0	0	0	0
Tiruppattur	28·5	..	32·3	14	17·5	..	12·1	24	35·5	89·9	..	29.0	9	4	..	5·9	4·8	..	0	4	0	0	0	0	0	0	0	0	0

(R) Register not received. (a) Mean of 30 days. (d) mean of 27 days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days(2.5 mm. or more)		Wind speed km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean Minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation(0·1 and 0·2 m.m.)	Precipitation (0·3mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	
Madras State—(including Pondicherry)—(*Contd.*)																													
Metturdam R.S.	30·3	..	33·4	15	20·8	..	16·4	31	..	39·2	..	12·4	9	4	..	..	..	..	0	6	0	0	0	0	0	0	0	0	
Cuddalore	28·3	+0·2	32·7	15	22·1	+0·9	18·7	23	176·9	645·9	+455·6	162·6	5	13	+6·7	12·8	9·7	+2·0	0	13	0	0	0	0	0	0	0	0	
Kallakkurichchi	28·2	..	32·1	14	21·6	..	18·7	24	50·0	244·0	+167·0	70·0	5	12	+5·9	9·1	6·9	..	0	14	0	0	0	0	0	0	0	0	
Salem	29·8	−0·3	32·1	16	21·2	+2·4	16·2	31	16·9	54·4	+28·2	17·1	7	6	+3·8	8·9	8·2	+2·9	2	9	0	0	0	0	0	0	0	0	
Coimbatore (Pilamedu)	27·8	..	30·2	27	19·5	..	14·6	31	19·1	134·4	..	53·5	5	8	..	16·6	12·1	..	0	11	0	0	0	1	0	0	0	0	
Coimbatore	28·4	−0·7	31·2	27	20·4	+1·5	17·1	31	..	135·6	+101·1	68·2	5	9	+6·4	..	6·5	+2·5	0	10	0	0	0	0	0	0	0	0	
Nagapattinam	28·3	+0·5	31·0	11	23·7	+1·3	20·6	23	123·0	512·0	+233·9	143·2	4	13	+3·9	16·9	16·9	+3·5	0	14	0	0	2	0	0	0	0	0	
Tiruchchirappalli	28·7	−0·8	32·7	15	21·7	+0·9	17·7	31	32·9	151·0	+79·9	58·4	5	8	+3·5	11·1	9·7	+1·0	0	12	0	0	1	1	0	0	0	0	
Vadaranniyam	28·8	..	31·6	12	22.9	..	20·1	23	85·8	589·3	..	130·5	6	13	..	8·1	6·7	..	0	15	0	0	0	0	0	0	0	0	
Atirampattinam	28·8	..	31·6	12	22·7	..	20·0	31	88·2	480·6	..	166·2	6	11	..	10·0	7·5	..	0	13	0	0	0	0	0	0	0	0	
Madurai	29·3	0	33·2	11	22·4	+1·2	20·1	31	..	98·7	+47·6	16·6	3	9	+5·4	..	5·5	−1·3	0	11	0	0	0	0	0	0	0	0	
Madurai Aerodrome	29·0	..	32·6	12	21·6	..	18·1	31	12·8	70·4	..	16·6	8	6	..	12·3	9·0	..	0	10	0	0	1	0	0	0	0	0	
Tondi	28·7	..	32·4	13	23·1	..	21·4	31	87·6	333·8	..	111·6	5	11	..	14·7	12·0	..	0	14	0	0	4	0	0	0	0	0	
Pamban	28·2	+0·1	30·5	11,16	24·0	+0·2	22·0	21	139·1	446·3	+253·5	116·6	21	14	+4·6	16·7	15·2	−3·1	0	14	0	0	0	0	0	0	0	0	
Tuticorin	27·9	+0·1	30·8	14	21·9	−0·7	19·4	21	54·6	168·0	+67·1	46·3	21	10	+6·0	19·6	16·1	−3·9	0	10	0	0	0	0	0	0	0	0	
Palayankottai	29·5	−0·7	33·4	11,12	22·6	0	20·0	21	84·0	196·6	+93.2	41·2	21	12	+6·8	11·0	8·3	−0·5	2	14	0	0	0	0	0	0	0	0	
Kanniyakumari	28·9	..	31·3	14,15	23·2	..	19·6	21	73·4	239·6	..	75·2	4	9	..	19·8	18·7	..	0	9	0	0	0	0	0	0	0	0	
Coastal Mysore																													
Karwar	29·4	−2·7	34·0	3	23·4	+4·0	20·5	31	50·0	169·5	+163·7	55·8	11	4	+3·6	9·9	7·2	..	0	5	0	0	0	0	0	0	0	0	
Honavar	32·3	−0·4	35·1	1	22·5	+1·6	18·9	5	105·7	237·5	+233·2	100·3	10	4	+3.7	..	..	..	0	4	0	0	0	0	0	0	0	0	
Mangalore (Bajpe)	31·8	..	34·6	3	22·5	..	19·2	31	137·1	251·1	..	142·6	10	4	..	9·9	7·5	..	1	5	0	0	1	0	0	0	0	0	
Mangalore	31·2	−0·5	33·8	7	22·9	+1·1	21·0	31	107·8	281·0	+268·1	153·6	10	5	+4·3	12·9	9·2	+2·0	0	5	0	0	0	0	0	0	0	0	
Interior Mysore (North)																													
Bidar	27·7	+0·4	30·0	19	17·7	+1·3	14·9	6,23	0	2·7	−3·1	2·2	12	0	−0·4	13·9	10·9	+2·0	0	2	0	0	0	0	0	0	0	0	
Gulbarga	30·0	+0·3	31·8	4	17·4	+2·6	12·6	31	0	18·0	+14·2	8·8	12	2	+1·7	12·2	9·9	+2·0	0	3	0	0	0	3	0	0	0	0	
Bijapur	29·4	+0·4	32·0	3,4	17·9	+3·1	12·8	30	14·3	29·4	+23·1	10·6	13	3	+2·4	3·5	4·5	+0·8	0	4	0	0	0	0	0	0	0	0	
Raichur	30·0	+0·7	34·0	2	19·6	+2·0	18·0	31	0	19·7	+16·4	7·2	11	4	+3·7	..	..	..	0	4	0	0	0	0	0	0	0	0	
Belgaum	29·1	−0·1	31·2	27	16·9	+3·0	11·6	31	31·2	46·0	+37·4	30·0	11	3	+2·5	10·4	7·1	+1·3	0	5	0	0	0	0	0	0	0	0	
Belgaum (Samra)	27·8	..	29·6	27	17·5	..	13·2	24,31	28·8	43·0	..	33·2	11	3	..	11·3	7·6	..	0	3	0	0	0	0	0	0	0	0	
Gadag	29·0	+0·4	31·4	19	18·1	+1·8	15·3	31	0·6	9·8	−0·6	7·5	13	1	+0·4	11·3	8·2	+ 1	1	3	0	0	0	0	0	0	0	0	
Interior Mysore (South)																													
Bellary	29·7	−0·1	32·0	3,17	19·2	+2·6	15·0	31	10·0	52·0	+48·7	18·0	10	5	+4·7	7·7	4·8	+0·9	0	5	0	0	1	0	0	0	0	0	
Chitradurga	27·6	−0·4	30·2	1,18	18·5	+1·9	15·4	23	50·2	56·0	+42·8	34·2	13	3	+2·2	10·6	8·0	+0·6	0	5	0	0	0	0	0	0	0	0	
Shimoga	29·0	0	31·6	28	17·7	+3·5	11·0	31	6·7	14·1	+7·5	4·8	10	3	+2·5	8·8	5·0	+0·5	0	4	0	0	0	13	0	0	0	0	
Agumbe	26·9	..	29·6	20	17·1	..	9·8	31	..	16·8	..	11·0	13	1	..	..	7·4	..	1	5	0	0	0	0	0	0	0	0	
Balehonnur.	26·7	+0·6	29·8	21	16·1	+1·3	11·9	31	..	50·8	+38·9	35·0	10	3	+2·2	..	..	..	0	6	0	0	0	2	0	0	0	0	
Hassan	26·8	−0·2	29·7	25,29	16·4	+2·2	12·3	31	3·5	10·9	−5·9	6·6	9	2	+0·9	8·6	6·0	+1·2	0	3	0	0	1	0	0	0	0	0	
Bangalore	25·5	−0·2	28·0	27	17·2	+2·6	11·9	31	5·1	55·6	+44·4	44·8	9	1	−0·2	15·2	10·0	+2·3	1	8	0	0	0	1	0	0	0	0	
Bangalore Aerodrome.	25·8	..	28·1	26	16·3	..	11·0	31	5·5	34·7	..	25·3	9	2	..	..	..	..	1	6	0	0	0	6	0	0	0	0	
Mysore	27·4	−0·3	29·5	4 days	18·2	+2·0	14·6	31	2·0	10·2	0	4·2	5	2	+1·1	17·3	12·8	+2·7	0	3	0	0	0	0	0	0	0	0	
Kerala																													
Calicut	30·8	−0·1	32·4	29	23·3	+1·5	21·3	23,31	68·2	138·1	+112·4	51·1	9	5	+3·4	10·8	9·0	+2·6	0	5	0	0	1	0	0	0	0	0	
Palghat	31·0	..	33·6	17	22·3	..	19·4	31	7·2	39·0	..	27·0	9	2	..	11·3	9·5	..	0	6	0	0	0	0	0	0	0	0	
Fort Cochin	29·8	−0·5	31·8	21	22·9	−0·5	20·3	31	125·5	276·0	+235·4	123·2	9	8	+5·5	10·5	6·9	+1·1	0	11	0	0	3	0	0	0	0	0	
Cochin (Naval Air Station)	30·5	..	32·4	28	23·1	..	20·8	31	141·9	255·0	..	81·9	9	7	..	9·9	8·2	..	1	10	0	0	3	0	0	0	0	0	
Alleppy	30·5	−0·9	33·3	2	23·5	+0·7	21·3	31	95·8	175·0	+126·9	66·4	9	9	+5·5	11·7	9·5	+1·5	0	11	0	0	2	0	0	0	0	0	
Punalur (R)																													
Trivandrum	30·2	−0·5	32·4	5	22·6	+0·2	20·5	31	162·1	344·4	+ ·7	184·9	3	10	+6·3	7·0	5·8	+1·6	1	11	0	0	4	0	0	0	0	0	
Trivandrum Aerodrome.	29·8	..	30·9	5,21	22·6	..	19·3	31	..	270·4	..	139·0	4	8	..	..	4·1	..	0	11	0	0	2	0	0	0	0	0	
Arabian Sea Islands																													
Amini	30·5	−0·1	32·3	2	24·8	+1·4	22·8	21	32·4	166·7	+128·8	64·8	9	5	+3·0	10·4	9·2	+4·1	0	8	0	0	0	0	0	0	0	0	
Agatti	30·0	..	31·6	2	..	..	..	..	118·0	254·1	..	102·4	9	9	..	8·9	7·9	..	0	10	0	0	1	0	0	0	0	0	
Androth	30·7	..	32·3	29,30	24·7	..	21·6	9	72·2	486·2	..	210·4	9	6	..	..	..	..	0	8	0	0	1	0	1	0	0	0	
Minicoy	29·9	+0·2	31·8	17	23·9	+0·6	22·0	31	146·1	539·4	+453·8	224·9	8	9	+4·7	10·0	8·5	+1·6	1	12	0	0	7	0	0	0	0	0	

(a) Mean or total for 30 days.

Sub-Division and station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. of more		Wind speed km. per hour			Weather phenomena—No. of days with										
	Mean maximum	Departure form normal	Highest	Date	Mean Minimum	Departure form normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0·1 and 0·2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall	Line squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28	29
ll Stations ex-uding Kashmir																													
alhousie	15·8	+0·7	20·0	13,30	2·3	−2·8	−2·0	24, 5	24·0	74·0	−17·7	50·0	24	2	−2·1	2·1	2·9	0	0	2	0	1	1	0	0	0	0	0	0
harmsala	17·2	+0·3	20·4	2	7·4	−0·9	5·8	25,27	5·2	30·8	−23·0	23·8	24	2	−0·5	3·2	2·5	−1·3	0	2	0	0	2	0	0	0	0	0	0
mla	11·1	+0·8	14·9	31	..	..	..	..	0	1·7	−29·8	1·7	24	0	−2·4	3·0	2·0	−0·1	0	1	1	0	0	0	0	0	0	0	0
harmpur	..	..	..	..	..	..	..	..	..	8·4	−36·8	8·4	14	1	−1·5	..	..	..	0	1	..	..	..	..	..	..	..	..	..
okpal	−2·4	..	−1·9	30	−11·1	..	−11·8	25	..	5·4	..	5·4	25	1	..	..	..	..	0	1	1	0	0	1	0	0	0	0	0
drinath										Closed	during	winter	months																
oshimath	13·6	..	19·8	31	2·6	..	1·0	19	0	0	..	0	..	0	..	4·2	6·2	..	0	0	0	0	0	0	0	0	0	0	0
ussoorie	13·0	+1·0	23·3	30	2·8	−1·4	−0·5	8	2·3	2·3	−32·8	2·3	25	1	−1·6	10·6	6·7	−0·5	0	1	1	0	1	0	0	0	0	0	0
ukteshwar (Kumaun)	13·5	+1·7	16·8	30	2·2	−1·4	−1·3	6	0	0	−26·7	0	..	0	−1·8	7·3	9·4	+1·0	0	0	0	0	0	0	0	0	0	0	0
aintal	12·4	−0·7	15·4	24	1·9	−1·6	0	6,16	0	0	−35·3	0	..	0	−1·1	8·3	6·8	+0·1	0	0	0	0	0	0	0	0	0	0	0
alimpong	19·2	+2·4	22·1	7	7·9	−1·1	7·0	21,26, 27	0	0	−8·1	0	..	0	−0·7	15·3	11·5	+0·6	0	0	0	0	0	0	0	0	0	0	0
arjeeling	13·7	+2·5	17·0	16	3·8	+0·2	1·4	18	0	0	−6·9	0	..	0	−0·7	2·0	1·5	+0·2	0	0	0	0	0	0	0	0	0	0	0
ohima	16·4	..	18·9	3,11	6.2	..	..	..	6·8	30·0	..	14·4	16	3	..	..	2·4	..	0	3	0	0	0	1	0	0	0	0	0
illong	18·3	+1·9	21·2	10	5·0	+0·6	0	26	2·6	2·6	−4·5	2·6	16	1	+0·1	(c) 0·9	(c) 0·6	−1·3	0	1	0	0	0	0	0	0	0	0	0
herrapunji	18·5	+1·7	22·1	11	10.0	+1·1	5·0	16	0	0·1	−12·4	0·1	25	0	−0·7	4·9	(a) 4·3	+0·3	1	0	0	0	0	2	0	0	0	0	0
bu	21·8	+1·6	27·2	4,5	9·2	−2·2	5·8	17	0	0	−3·1	0	..	0	−0·3	4·8	4·3	−0·4	0	0	0	0	0	0	0	0	0	0	0
ijal	21·8	..	24·2	12	13·1	..	9·7	30	0	37·7	..	30·1	15	2	..	..	..	..	0	2	0	0	0	0	0	0	0	0	0
achmarhi	21·6	−0·2	24·8	4,9	7·4	−0·3	1·1	19	12·4	16·2	+5·3	13·0	14	2	+1·2	3·9	2·3	−0·6	0	3	0	0	0	0	0	0	0	0	0
ahabaleshwar	24·1	+1·5	26·4	3	14·1	+0·5	12·2	15	51·7	102·3	+95·7	70·2	12	3	+2·4	11·0	11·8	+0·4	0	3	0	0	0	3	0	0	0	0	0
ercara	23·4	−0·4	25·7	27	14·9	+0·6	11·0	31	26·8	65·4	+47·1	22·0	9	5	+3·8	14·5	11·8	+4·4	0	7	0	0	0	1	0	0	0	0	0
otacamund	18·3	0	23·1	23	8.5	+1·9	3·8	14,30	20·8	129·8	+86·1	52·4	9	7	+1·3	9·0	5·0	+0·3	0	9	0	0	0	0	0	0	0	0	0
oonoor (R)																													
odaikanal	16·3	−0·2	20·4	23	9·3	+0·9	6·5	29	91·8	249·0	+117·9	49·3	2	10	+2·9	14·3	15·3	+2·1	0	15	0	0	0	10	0	0	0	0	0
pal																													
atmandu	20·0	..	23·1	10	0·6	..	−2·0	28	0	0	..	0	..	0	..	0·8	0·2	..	0	0	0	0	0	13	0	26	0	0	0
kim																													
achen	9·9	..	15·1	24	(k) 1·4	..	..	..	..	5·0	..	3·0	18	1	..	..	..	..	0	2	0	0	0	0	0	0	0	0	0
drometeorolo-ical Observato-ies—																													
modar Catch-ment																													
ilaiya	23·1	..	28·1	11	8·9	..	4·1	30	3·1	3·1	..	3·1	14	1	..	7·2	3·7	..	0	1	0	0	0	0	0	0	0	0	0
azaribagh	21·8	..	25·5	12	7·6	..	3·8	22	2·7	4·0	..	2·5	14	1	..	5·2	3·0	..	0	2	0	0	0	0	0	0	0	0	0
onar	29.3	..	32.3	1	15.8	..	12.3	24	0	0	..	0	..	0	..	5·4	4.2	..	0	0	0	0	0	0	0	0	0	0	0
okaro	25.8	..	29.1	12	5.4	..	0.7	30	2·4	1·4	..	2·4	14	0	..	5.4	3.6	..	0	1	0	0	0	0	0	0	0	0	0
aithon	26.5	..	30.1	13	10.3	..	3.7	30	0	0·8	..	0·8	24	0	..	..	..	..	0	1	0	0	0	0	0	0	0	0	0
amgarh	25.2	..	28.7	6	10.0	..	3.0	30	0	0	..	0	..	0	..	3.2	2.1	..	0	0	0	0	0	0	0	0	0	0	0
anchet Hills	25.6	..	29.2	12	12.2	..	7.7	30	0	0	..	0	..	0	..	3.1	2.2	..	0	0	0	0	0	0	0	0	0	0	0
urgapur	24.9	..	27.8	12	11.7	..	7.4	30	0	0	..	0	..	0	..	9.4	7.6	..	0	0	0	0	0	0	0	0	0	0	0
hanadi Catch-ment																													
inabahar	26.4	..	29·3	11,13	7.9	..	3.3	31	..	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0
irakud	27.8	..	31·2	11	14.4	..	10.0	20	0	0	..	0	..	0	..	3.1	1.9	..	0	0	0	0	0	0	0	0	0	0	0
himkund	26.3	..	30.0	12	11.1	..	6.3	31	0	0	..	0	..	0	..	6.3	3.0	..	0	0	0	0	0	1	0	0	0	0	0
onepur	28.1	..	30.6	10	14.5	..	8.9	20,21, 23	..	0	..	0	..	0	..	0	3.2	..	0	0	..	..	..	..	..	..	..	..	..
hijrawan	28.8	..	31.1	13	12.1	..	7.1	23,31	0	0	..	0	..	0	..	7.6	5.0	..	0	0	0	0	0	0	0	0	0	0	0
armada Catch-ment																													
agra Tawa	26.0	..	31.2	3	10.0	..	4.6	19	5·3	15·8	..	11·2	13	2	..	(a) 7.3	(b) 4.9	..	0	2	0	0	0	0	0	0	0	0	0
unasa	28.8		31.4	4	..	..	..	..	0	35·0	..	35·0	12	1	..	7·4	5·7	..	0	1	0	0	0	0	0	0	0	0	0
hikri	30.2	..	33·0	2,5,6	14.4	..	9.9	17	..	7·8	..	7·5	13	1	..	..	..	..	0	2	0	0	0	0	0	0	0	0	0
barmati Catch-ment																													
aroi	30.1	..	32.2	7	14.0	..	9.6	18	0	0	..	0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..	..
adak Catchment																													
omosom	13·7 [d]	..	19·2	23	−2·3	..	−5.8	5	0	0	..	0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..	..
uadi Bazar	19·9	..	21·1	2,11,15	7·6	..	6·1	15	0	0	..	0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..	..
imure	17.2	..	20.1	25	3.3	..	0.4	29	0	0	..	0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..	..
okhara	19.7	..	23.0	31	6.9	..	3.7	14	0	0	..	0	..	0	..	3.1	4·4	..	0	0	0	0	0	0	0	0	0	0	0

(R) Register not received. (c) Mean of 28 days. (g) Mean of 24 days. (k) mean of 20 days. (a) mean of 30 days. (b) mean of 29 days (d) mean of 27 days.

Sub-Division and Station	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5mm or more)		Wind speed km. per hour			Weather phenomena—No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830-1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830-1730 hours	Mean 24 hours	Departure from normal	Precipitation (0.1 and 0.2 mm.)	Precipitation (0·3 mm. or more)	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Ground frost	Gale	Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20(a)	20(b)	21	22	23	24	25	26	27	28
Hydrometeorological observatories— (*contd.*) **Gandak Catchment—**(*contd*).																												
Gorkha	18.2	..	20.1	10,11	9.3	..	7.3	14	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
Nuwakot	..	..	..	..	..	..	..	..	0	0	..	0	..	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghaghara Catchment (Trans-Himalayan Region)																												
Dailekh (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghaghara Catchment																												
Dadeldhura	13.3	..	17.0	23	4.8	..	1.9	6	0	0	..	0	..	0	..	5.0	4.1	..	0	0	0	0	0	0	0	0	0	0
Sallyana	18.2	..	20.2	11	6.4	..	4.9	19	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
Butwal	24.6	..	26.9	1,16	13.1	..	10.9	30	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
Bhagmati Catchment																												
Katmandu*	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kosi Catchment	(b)				(b)																							
Chautara	18.9	..	21.6	11	6.7	..	5.0	14	0	1·0	..	1.0	18	0	..	..	..	..	0	1	..	..	..	..	..	..	..	..
Walungchung Gola	8.2	..	13.7	24	−1.7	..	−5·8	18	0	0.2	..	0.2	14	0	..	..	..	..	1	0	..	..	..	..	..	..	..	..
Taplethok (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bhojpur	16.9	..	19.9	31	7.7	..	5.9	26	0	0	..	0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..
Taplejung	15.6	..	18.3	31	4.9	..	3.0	19,26	0	0	..	0	..	0	..	4.9	3.7	..	0	0	0	0	0	0	0	0	0	0
Okhaldhunga	16.7	..	18.7	16	5.8	..	3.5	18	0	0	..	0	..	0	..	2.3	1.9	..	0	0	0	0	0	0	0	0	0	0
Chainpur	19.3	..	20.8	1	9.6	..	8.3	28	0	0	..	0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..
Angbung (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Barahkshetra	25.5	..	28.4	16	11.3	..	8.4	18	0	0	..	0	..	0	..	5.3	4.7	..	0	0	0	0	0	0	0	0	0	0
Tista Catchment																												
Gangtok	17.2	..	19.8	10	5.6	..	4.4	19,26	0	0	..	0	..	0	..	2.0	1.8	..	0	0	0	0	0	0	0	0	0	0
Gezing	19.5	..	22.0	16	6.1	..	3.8	19	0	0	..	0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0

(R) Register not received.

*Data included under Nepal.

(b) Mean of 29 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (km. p. h.): 62 or more	Wind speed (km. p. h.): 20 to 61	Wind speed (km. p. h.): 1 to 19	No. of observation, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bay Islands																											
Maya Bandar	0830	28	1010·6	1007·5	..	27·1	24·8	23·7	29·3	82	..	5·2	..	13·2	0	11	15	1	14	4	6	0	0	1	0	5	0
	1730	,,	1008·1	1005·0	..	26·5	24·4	23·5	28·9	84	..	5·3	..	13·2	0	8	21	0	19	2	7	0	1	0	0	2	0
Long Island	0830	25	1011·4	1008·6	..	27·6	25·2	24·1	30·0	82	..	5·7	..	2·6	0	0	15	0	3	8	4	0	0	0	0	16	0
	1730	,,	1009·2	1006·4	..	26·6	24·5	23·5	28·9	83	..	5·1	..	2·0	0	0	12	0	3	6	3	0	0	0	0	19	0
Port Blair	0530	79	1009·6	1000·6	..	25·4	24·1	23·5	28·9	89	..	6·3	..	14·8	0	10	20	0	4	15	4	1	5	1	0	1	0
	0830	,,	1011·6	1002·7	—1·4	27·7	25·2	24·1	30·0	81	+10	6·2	+2.0	16·1	0	13	18	0	4	13	6	3	5	0	0	0	0
	1130	,,	1010·2	1001·3	..	28·5	25·5	24·2	30·2	78	..	6·4	..	16·6	0	12	19	0	2	10	11	4	3	1	0	0	0
	1730	,,	1009·3	1000·4	..	26·1	24·2	23·3	28·6	85	..	6·5	..	13·7	0	6	25	0	6	11	7	2	5	0	0	0	0
	2330	,,	1010·7	1001·7	..	25·5	24·0	23·3	28·6	87	..	6·4	..	13·7	0	8	19	1	4	10	6	4	2	0	0	4	0
Car-Nicobar	0830	10	1011·0	1009·8	..	27·3	25·1	24·1	30·0	83	..	6·0	..	2·6	0	0	20	0	13	5	2	0	0	0	0	11	0
	1730	,,	1008·7	1007·5	..	26·2	24·4	23·7	29·3	84	..	5·5	..	2·0	0	0	15	0	9	3	2	0	0	0	0	16	1
Nancowry	0830	26	1010·9	1008·0	..	27·2	25·4	24·6	30·9	86	..	6·3	..	2·6	0	0	20	1	5	2	4	1	6	0	0	11	1
	1730	,,	1008·5	1005·6	..	26·1	24·6	23·9	29·7	88	..	6·1	..	2·1	0	0	11	0	3	1	3	0	3	0	0	20	1
Kondul	0830	8	..	..	..	26·7	25·0	24·3	30·4	87	..	6·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	26·1	24·7	24·1	30·0	89	..	6·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Assam (Including North NEFA)																											
Pasighat	0830	157	1017·5	999·1	..	16·8	13·5	10·7	12·9	67	..	3·0	..	27·9	0	27	4	0	0	0	0	0	0	0	31	0	0
	1730	,,	1013·7	995·4	..	17·1	15·0	13·4	15·4	79	..	3·3	..	8·3	0	1	26	1	0	0	0	0	1	0	25	4	0
Dibrugarh (Mohanbari)	0230	111	1014·9	1001·7	..	11·4	10·9	10·4	12·6	94	..	2·5	..	0·3	0	0	1	0	1	0	0	0	0	0	0	30	0
	0530	,,	1015·4	1002·1	..	10·4	10·1	9·8	12·1	95	..	3·1	..	0·5	0	0	4	0	4	0	0	0	0	0	0	27	0
	0830	,,	1017·2	1001·1	—1.5	16·4	14·3	12·6	14·6	78	—20	2·7	+0·1	5·0	0	0	26	0	19	7	0	0	0	0	0	5	0
	1130	,,	1014·7	1001·9	..	22·1	16·3	11·8	13·8	53	..	2·6	..	6·6	0	0	31	3	24	2	1	0	1	0	0	0	0
	1430	,,	1012·4	999·7	..	23·2	16·8	11·9	13·9	50	..	2·7	..	5·5	0	0	28	2	16	6	2	0	0	0	2	3	0
	1730	,,	1013·3	1000·4	..	17·2	15·2	13·7	15·7	79	..	2·9	..	0·3	0	0	2	0	2	0	0	0	0	0	0	29	0
	2030	,,	1015·0	1001·9	..	13·8	13·0	12·3	14·3	90	..	2·9	..	0·2	0	0	1	0	1	0	0	0	0	0	0	30	0
	2330	,,	1015·3	1002·1	..	12·4	11·9	11·5	13·6	94	..	2·6	..	0·3	0	0	1	0	1	0	0	0	0	0	0	30	0
Digbo	0830	152	..	..	..	..	..	..	..	—R—	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	..	..	..	..	—R—	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..
North Lakhimpur	0830	102	1017·5	1005·6	—0·7	17·7	15·1	13·1	15·1	75	—5	2·1	—0·5	3·4	0	0	22	10	4	4	1	1	2	0	0	9	0
	1130	,,	1015·1	1003·3	..	22·9	17·1	12·7	14·7	54	..	2·3	..	4·4	0	0	29	5	7	7	2	3	3	2	0	2	0
	1430	,,	1013·0	1001·3	..	23·6	17·5	13·1	15·1	52	..	2·2	..	4·8	0	0	26	5	6	10	2	3	0	0	0	5	0
	1730	,,	1013·9	1002·0	..	17·4	15·9	14·7	16·7	85	..	1·8	..	1·0	0	0	11	2	1	0	0	0	0	2	6	20	0
	2030	,,	1015·5	1003·4	..	14·1	13·6	13·2	15·2	93	..	1·0	..	0·5	0	0	4	2	1	0	0	0	0	0	1	27	0
Sibsagar	0830	97	1017·5	1006·1	—1·1	16·8	15·5	14·5	16·5	87	—7	3·9	—2·0	2·0	0	0	24	14	7	2	1	0	0	0	0	7	0
	1730	,,	1012·9	1001·8	..	21·4	17·6	15·0	17·0	68	..	3·2	..	1·2	0	0	14	6	7	0	1	0	0	0	0	17	0
Gohpur	0830	83	1017·4	1007·6	..	15·5	14·7	14·1	16·1	92	..	(b) 2·6	..	(b) 2·5	0	0	22	0	8	0	13	0	0	0	0	7	1
	1730	,,	1013·3	1003·6	..	17·7	16·1	14·9	16·9	83	..	(b) 2·9	..	(b) 2·3	0	0	20	4	5	0	0	0	0	0	11	9	0
Majbat	0830	,,	..	..	..	18·1	14·7	12·0	14·0	68	..	3·0	..	2·3	0	0	22	0	18	0	4	0	0	0	0	9	0
	1730	,,	..	..	..	19·2	16·4	14·4	16·4	75	..	3·5	..	0·6	0	0	8	0	7	0	0	0	0	0	1	23	0
Jorhat (Aerodrome)	0530	90	1014·9	1004·2	..	11·8	11·8	11·8	13·8	99	..	4·3	..	0·0	0	0	0	0	0	0	0	0	0	0	0	31	0
	0830	,,	1017·0	1006·4	..	16·6	15·4	14·5	16·5	89	..	4·0	..	0·1	0	0	3	0	3	0	0	0	0	0	0	28	0
	1130	,,	1014·7	1004·3	..	22·3	18·0	15·1	17·1	64	..	2·6	..	1·4	0	0	23	2	13	5	1	0	1	0	0	8	1
	1730	,,	1013·1	1002·6	..	18·0	16·4	15·3	17·4	84	..	2·6	..	0·1	0	0	2	0	2	0	0	0	0	0	0	29	0
	2330	,,	1014·8	1004·1	..	13·3	13·1	12.9	14·9	98	..	1·4	..	0·0	0	0	0	0	0	0	0	0	0	0	0	31	0
Tangla	0830	78	1015·3	1006·1	..	18·3	16·6	15·5	17·6	84	..	3.2	..	1·0	0	0	12	0	0	0	11	0	1	0	0	19	0
	1730	,,	1012·5	1003·4	..	21·3	19·5	18·4	21·1	85	..	1·0	..	0·0	0	0	0	0	0	0	0	0	0	0	0	31	0
Tezpur	0830	79	1017·5	1008·2	—1·4	15·9	14·4	13·2	15·2	84	—4	1·9	—0·1	2·1	0	0	26	0	25	1	0	0	0	0	0	5	0
	1730	,,	1013·1	1004·0	..	20·3	16·7	14·0	16·0	68	..	1·9	..	1·1	0	0	16	3	12	1	0	0	0	0	0	15	0
Golaghat	0830	95	1016·0	1004·8	..	16·6	15·0	13·8	15·8	80	..	3·4	..	0·0	0	0	0	0	0	0	0	0	0	0	0	31	0
	1730	,,	1011·7	1000·8	..	23·0	18·2	15·0	17·0	62	..	(e) 2·3	..	(e) 0·0	0	0	0	0	0	0	0	0	0	0	0	26	0
Rangia	0830	60	1017·7	1010·5	..	19·1	16·7	14·9	16·9	78	..	1·8	..	7·6	0	0	31	0	7	16	6	0	1	1	0	0	0
	1730	,,	1013·6	1006·7	..	20·0	17·6	16·0	18·2	77	..	1·8	..	1·3	0	0	11	0	2	6	1	0	1	1	0	20	0
Chaparmukh	0830	66	1017·2	1009·5	..	18·0	16·4	15·3	17·4	84	..	2·9	..	2·8	0	0	31	0	2	6	19	1	1	0	2	0	0
	1730	,,	1014·5	1006·9	..	21·5	18·5	16·6	18·9	73	..	2·0	..	1·0	0	0	13	0	3	3	5	1	0	0	1	18	0
Goalpara	0830	38	1016·4	1012·0	..	16·8	14·9	13·4	15·4	82	..	(c) 1·6	..	(c) 1·3	0	0	18	2	13	1	2	0	0	0	0	10	0
	1730	,,	1012·9	1008·7	..	23·3	18·5	15·3	17·4	62	..	(c) 1·3	..	(c) 0·9	0	0	12	0	11	0	1	0	0	0	0	16	0
Gauhati	0230	54	1014·2	1007·7	..	13·4	13·0	12·7	14·7	96	..	1·7	..	0·8	0	0	3	1	1	1	0	0	0	0	0	28	0
	0530	,,	1014·7	1008·2	..	12·6	12·3	12·1	14·1	97	..	2·0	..	0·8	0	0	5	0	3	1	0	0	0	0	1	26	0

(R) data not available. (e) mean for 26 days. (b) mean for 29 days. (c) Mean of 28 days.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (km. p.h.): 62 or more	Wind speed (km. p.h.): 20 to 61	Wind speed (km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
North Assam (including NEFA—(*Contd.*) Guhait—(*Contd*).	0830	54	1016·8	1010·4	−1·3	16·8	15·7	14·9	16·9	89	+6	3·5	+1·6	2.1	0	0	13	3	7	1	0	0	2	0	0	18	0
	1130	,,	1014·6	1008·3	..	22 4	18·1	15·2	17·3	64	..	2·7	..	5·7	0	0	28	9	11	2	1	0	1	1	1	3	2
	1430	,,	1012·0	1005·8	..	24·1	18·5	14·7	16·7	56	..	3·0	..	7·6	0	0	31	7	20	0	1	1	0	0	2	0	0
	1730	,,	1012·8	1006·6	..	19·4	17·2	15·7	17·8	79	..	3·7	..	2 3	0	0	16	1	6	3	4	2	0	0	0	15	0
	2030	,,	1014·6	1008·3	..	16·2	15·4	14·8	16·8	91	..	2·1	..	0·6	0	0	4	0	2	0	0	0	2	0	0	27	0
	2330	,,	1014·7	1008·3	..	14·6	14·1	13·7	15 7	95	..	1·9	..	0·6	0	0	2	1	0	1	0	0	0	0	0	29	0
Dhubri (Rupsi)	0530	45	1014·9	1009.5	..	11·9	11·5	11·2	13 3	95	..	2·1	..	5·9	0	0	28	2	22	3	1	0	0	0	0	3	0
	0830	,,	1016·3	1011·0	..	17·7	15 6	14·1	16·1	80	..	2·0	..	6·5	0	0	29	0	14	12	2	0	1	0	0	2	0
	1130	,,	1014·9	1009 7	..	22 8	18·2	15·1	17·1	62	..	2·0	..	7 6	0	0	31	1	15	11	2	1	1	0	0	0	0
	1730	,,	1012·5	1007·3	..	20·4	18·3	16 9	19·3	81	..	1·8	..	1·3	0	0	8	2	1	2	1	0	0	2	0	23	0
Dhubri . .	0830	35	1016 8	1012·5	−1·3	16·9	15·8	15·1	17·1	88	+5	1·1	−0·2	7 2	0	1	30	0	24	3	1	1	0	0	2	0	0
	1730	,,	1013·8	1009·6	..	20·7	18·0	16·3	18.5	76	..	0·6	..	0·1	0	0	11	0	7	2	0	0	1	0	1	20	0
Lumding . .	0830	149	1017·3	999·7	..	13·6	13 3	13 1	15·1	97	+6	2·2	..	0·5	0	0	6	0	0	4	1	1	0	0	0	25	0
	1730	,,	1013·0	995·9	..	20·5	19·4	18·7	21.6	90	..	3·0	..	0·3	0	0	5	0	0	3	1	0	0	1	0	26	0
South Assam (including Nagaland Manipur & Tripura) Tura . . .	0830	370	1016 4	973·5	..	16·7	15·6	14 8	16·8	88	..	4·3	..	4·4	0	0	30	1	4	18	5	2	0	0	0	1	0
	1730	,,	1013·1	971·1	..	21 9	20·9	20·4	24·0	91	..	6 7	..	3·3	0	0	29	2	3	9	1	6	5	3	0	2	0
Haflong . .	0830	682	1016·6	939·2	..	16·3	14·6	13·4	15·4	83	..	3·6	..	2·6	0	0	28	0	1	0	0	0	1	0	26	3	0
	1730	,,	1012·4	935·6	..	17 7	16 2	15·3	17·4	86	..	2·7	..	2·6	0	0	26	3	0	0	0	0	7	0	16	5	0
Silchar (Kumbhirgram)	0530	97	1012 7	1001·3	..	15·0	14·0	13·2	15·2	89	..	3·2	..	8·0	0	0	31	0	2	29	0	0	0	0	0	0	0
	0830	,,	1014·4	1003·1	..	19·0	16·3	14·3	16·3	75	..	2·7	..	9·5	0	0	31	0	0	29	1	0	0	0	1	0	0
	1130	,,	1012·3	1001·2	..	24·0	18·2	14·2	16·2	55	..	2·5	..	6 7	0	0	30	0	0	20	4	1	1	1	3	1	0
	1730	,,	1011·0	999·9	..	21·0	17·9	15·8	18·1	73	..	2·3	..	5·5	0	0	28	3	9	13	1	0	0	1	1	3	0
Sichar . .	0830	29	1016 1	1012·7	−1·6	19·0	17·1	15·9	18·0	81	−2	3·2	+1.2	0·7	0	0	11	0	3	3	3	1	1	0	0	20	0
	1730	,,	1013·0	1009·8	..	22·3	18·8	16 6	18·9	69	..	2·7	..	0·3	0	0	5	1	1	0	1	0	1	0	1	26	0
Imphal (Tulihal) .	0530	781	1018·0	927.8	..	10·1	9·7	9 3	11·7	95	..	5·8	..	0·5	0	0	2	0	0	0	1	0	1	0	0	29	0
	0830	,,	1018·5	929·6	−1·3	13·3	12·2	11·4	13·5	89	+8	6·2	+3·3	0·6	0	0	2	0	0	1	0	1	0	0	0	29	0
	1130	,,	1014·9	927·6	..	18·6	14·8	12·4	14·1	66	..	4·5	..	2·2	0	0	12	1	0	1	5	2	3	0	0	19	0
	1430	,,	1011·7	925·3	..	20·9	15·2	11·0	13·1	53	..	4·2	..	4·8	0	0	17	0	0	0	4	5	6	1	1	14	0
	1730	,,	1013·9	926·0	..	16·4	14·1	12·4	14·3	78	..	3·9	..	3·4	0	0	11	0	0	0	2	2	2	2	3	20	0
	2030	,,	1016·6	927·6	..	13·5	12 4	11·5	13 6	89	..	3·3	..	1·1	0	0	5	0	0	0	2	0	1	1	1	26	0
	2330	,,	1017·3	927·7	..	11 7	11·1	10·8	12·9	93	..	3·8	..	0·6	0	0	3	0	2	0	0	0	0	1	0	28	0
Kailashahar . .	0530	29	1014·6	1011·1	..	13 8	13·3	13 3	15·3	97	..	2·8	..	1·5	0	1	5	0	1	1	0	1	2	0	0	25	1
	0830	,,	1016 3	1012·8	..	17·9	16 8	16·0	18·2	89	..	3·3	..	2·8	0	0	25	0	4	2	3	4	9	0	3	6	0
	1130	,,	1014·1	1010.9	..	24·2	19·5	16·5	18·8	63	..	3·4	..	4·8	0	0	31	7	6	4	3	0	1	3	4	0	3
	1730	,,	1013·0	1009·7	..	21·4	18·8	17·2	19·6	77	..	2·8	..	0·3	0	0	4	2	0	1	0	0	1	0	0	27	0
Agartala . .	0230	16	1012·3	1010·4	..	15·7	15·0	14·5	16·5	93	..	1·5	..	0·3	0	0	1	1	0	0	0	0	0	0	0	30	0
	0530	,,	1012·4	1010·5	..	15·6	14·2	13·7	15·7	94	..	2·5	..	1·3	0	1	2	0	1	1	0	0	0	0	1	28	0
	0830	,,	1014·9	1013·1	−1·3	19·7	17·7	16·4	18·6	81	+2	3·6	+2·4	3·9	0	0	14	4	4	1	0	1	0	1	3	17	0
	1130	,,	1013 3	1011·4	..	25·1	18·9	14·7	16·7	53	..	4·1	..	8·9	0	0	28	6	5	2	1	0	2	6	6	3	0
	1430	,,	1011·2	1009·4	..	26·0	18·6	13·5	15·5	47	..	4·2	..	9·0	0	0	28	11	2	1	1	1	2	3	7	3	0
	1730	,,	1011·7	1009·8	..	22 2	18·1	15 3	17 4	66	..	3·6	..	3·1	0	0	15	4	1	2	0	1	0	4	3	16	0
	2030	,,	1012·9	1011·0	..	17·7	16·4	15·5	17·6	87	..	2·4	..	0·3	0	0	1	1	0	0	0	0	0	0	0	30	0
	2330	,,	1013·0	1011·1	..	16 3	15 4	14·7	16·7	90	..	1·8	..	0·3	0	0	1	1	0	0	0	0	0	0	0	30	0
Sub-Himalayan West Bengal Baghdogra . .	0230	131	1014·8	999·1	..	10·7	9 9	9·1	11·5	90	..	0·8	..	1·7	0	0	6	3	2	0	0	0	1	0	0	25	0
	0530	,,	1015·2	999·6	..	8 9	8 3	7 6	10·4	92	..	0·6	..	3·1	0	0	11	6	2	0	0	0	2	0	1	20	0
	0830	,,	1017·0	1001·6	−0·3	17·5	14 3	11·7	13·7	69	−7	1·0	−0·8	2·0	0	0	8	4	3	0	0	0	1	0	0	23	0
	1130	,,	1015·6	1000·5	..	24·8	17·2	11·4	13·5	44	..	1·8	..	8·7	0	0	28	0	1	7	3	3	10	3	1	3	0
	1430	,,	1013·2	998·1	..	26 0	17·5	10·9	13·0	39	..	2·2	..	7·7	0	1	26	0	4	3	2	1	14	3	0	4	0
	1730	,,	1013·4	998·1	..	18·7	15·4	12·9	14·9	70	..	2 0	..	4·1	0	0	18	0	3	0	0	0	11	4	0	13	0
	2030	,,	1015·2	999·7	..	15·3	13·5	12·0	14·0	81	..	1·0	..	4·6	0	0	16	7	1	0	1	0	4	0	3	15	0
	2330	,,	1015·5	999·8	..	12·5	11·3	10·2	12·4	87	..	0·8	..	3·2	0	0	12	5	2	1	0	0	1	1	2	19	0
Jalpaiguri . .	0830	83	1016·7	1006·9	−1·2	14·4	12·8	11·4	13·5	82	−2	0·6	−0·4	4·4	0	0	29	9	7	0	1	1	3	1	7	2	0
	1730	,,	1012·7	1003·2	..	22·5	17·0	12·9	14·9	55	..	0·7	..	1·8	0	0	11	1	0	2	3	1	1	2	1	20	1
Cooch Behar. .	0830	48	1017·0	1011·9	..	17·3	14·7	12·7	14·7	75	..	1·5	..	4·8	0	0	23	3	9	10	0	0	0	0	1	8	0
	1130	,,	1015·3	1010·4	..	23·3	13·4	13·1	14·9	52	..	1·5	..	7·9	0	3	23	1	7	11	2	0	3	1	1	5	0
	1730	,,	1013·3	1008·4	..	19.9	16·7	14·4	16·4	70	..	1·7	..	0·0	0	0	0	0	0	0	0	0	0	0	0	31	0
Balurghat . .	0830	26	1015·7	1012·8	..	18·1	15·2	12·9	14·9	71	..	1·4	..	3·6	0	0	27	9	3	1	0	0	0	2	12	4	0
	1730	,,	1012·1	1009·2	..	20·7	17·3	14·9	16·9	70	..	1·5	..	0·4	0	0	6	3	1	0	0	0	1	0	1	25	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g. p. m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	wind speed (km. p. h.): 62 or more	wind speed (km. p. h.): 20 to 61	wind speed (km. p. h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Sub-Himalayan (West Bengal)—(*Contd.*)																											
Malda—	0830	31	1017·0	1013·3	—1·1	17·6	13·9	10·7	12·9	64	—9	1·4	+0·8	2·5	0	0	25	12	2	0	0	0	0	0	11	6	0
	1730	,,	1013·2	1009·5	..	21·3	16·3	12·5	14·5	57	..	1·9	..	1·0	0	0	14	3	0	0	0	0	0	2	9	17	0
Gangetic West Bengal																											
Berhampore	0830	19	1016·4	1014·2	—1·5	17·0	14·2	11·9	13·9	72	—4	1·8	+0·4	1·8	0	0	17	8	0	3	0	3	1	2	0	14	0
	1730	,,	1012·9	1010·7	..	21·2	16·9	13·8	15·8	63	..	2·0	..	0·1	0	0	1	0	0	0	0	1	0	0	0	30	0
Suri	0830	,,	..	..	..	19·7	14·3	9·6	11·9	53	..	1·8	..	4·4	0	0	31	8	1	1	0	1	1	12	7	0	0
Asansol	0230	126	1014·9	999·9	..	12·8	10·8	8·8	11·3	78	..	1·5	..	2·5	0	0	18	0	0	0	0	0	0	5	13	13	0
	0530	,,	1015·4	1000·3	..	11·9	10·3	8·7	11·2	81	..	1·8	..	2·7	0	0	19	0	0	0	0	0	0	7	12	12	0
	0830	,,	1017·3	1002·5	—0·6	17·9	13·5	9·5	11·9	59	—8	1·9	+0·5	6·3	0	0	29	2	2	1	0	0	0	6	18	2	0
	1130	,,	1015·5	1001·1	..	24·5	15·6	7·7	10·5	35	..	2·0	..	9·6	0	1	30	7	5	1	0	0	0	1	17	0	0
	1440	,,	1012·9	998·5	..	25·8	16·1	7·6	10·4	31	..	2·6	..	9·5	0	1	29	6	7	3	0	0	1	2	11	1	0
	1730	,,	1013·4	998·8	..	20·8	14·7	9·5	11·9	48	..	2·5	..	2·4	0	0	12	5	0	0	0	0	0	2	5	19	0
	2030	,,	1015·3	1000·4	..	15·7	12·4	9·3	11·7	67	..	1·3	..	1·4	0	0	9	2	1	0	0	0	0	1	5	22	0
	2330	,,	1015·5	1000·6	..	14·5	11·6	8·8	11·3	69	..	1·4	..	3·3	0	0	19	3	0	0	0	0	0	5	11	12	0
Shanti Niketan	0830	59	1017·0	1010·0	..	17·3	13·8	10·8	12·9	65	..	2·1	..	4·5	0	0	30	10	1	0	0	0	0	4	15	1	0
	1130	,,	1015·7	1008·9	..	23·8	16·3	10·3	12·5	42	..	2·1	..	5·4	0	0	31	20	5	0	0	0	0	1	5	0	0
	1730	,,	1013·2	1006·4	..	20·5	15·3	11·1	13·2	55	..	2·3	..	4·2	0	0	27	9	7	1	0	0	1	1	8	4	0
Krishnagar	0830	15	1016·4	1014·7	—1·4	19·3	15·1	11·7	13·7	61	—13	1·4	+0·1	0·6	0	0	6	3	1	0	0	0	0	0	2	25	0
	1730	,,	1014·4	1012·7	..	21·5	16·8	13·3	15·3	59	..	1·3	..	0·0	0	0	0	0	0	0	0	0	0	0	0	31	0
Purulia	0830	255	1017·6	987·9	—1·0	17·0	12·9	8·9	11·4	59	0	2·6	+1·7	4·4	0	0	31	9	1	0	0	0	2	3	16	0	0
	1730	,,	1013·5	984·4	..	21·7	12·4	10·0	12·3	47	..	2·6	..	1·9	0	0	17	10	4	0	0	0	0	0	3	14	0
Bankura	0830	100	1016·7	1005·0	..	16·9	14·2	12·0	14·0	73	..	1·1	..	1·8	0	0	25	3	0	0	0	0	0	6	16	6	0
	1730	,,	1012·9	1001·5	..	22·9	19·0	16·5	18·8	67	..	1·1	..	0·1	0	0	2	1	0	0	0	0	0	0	1	29	0
Burdwan	0830	32	1016.2	1012·4	—1·7	18·8	15·1	12·2	14·2	65	—3	0·9	—0·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1012·5	1008·9	..	23·4	18·2	14·6	16·6	57	..	1·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Barrackpore (Aerodrome)	0530	7	1014·4	1013·6	..	14·4	12·9	11·6	13·7	83	..	2·0	..	2·8	0	0	16	9	2	0	0	0	0	0	5	15	0
	0830	,,	1016·4	1015·6	—1·1	18·7	15·1	12·3	14·3	66	—8	2·3	+1·2	7·1	0	0	29	8	7	1	0	0	0	1	12	2	0
	1130	,,	1015·1	1014·3	..	24·2	17·2	11·9	13·9	46	..	2·2	..	9·5	0	0	30	9	7	2	0	0	1	1	10	1	0
	1730	,,	1013·0	1012·2	..	20·7	17·1	14·6	16·6	67	..	2·6	..	2·7	0	0	18	8	2	0	0	0	0	2	6	13	0
	2330	,,	1014·4	1013·6	..	15·3	14·1	13·1	15·1	85	..	2·3	..	1·0	0	0	5	3	0	0	0	0	0	0	2	26	0
Calcutta (Dum-Dum)	0230	6	1013·3	1012·6	..	15·1	13·9	12·9	14·9	88	..	2·0	..	1·9	0	0	13	6	1	0	0	0	0	0	6	18	0
	0530	,,	1013·8	1013·1	..	14·1	13·1	12·3	14·3	89	..	2·4	..	2·5	0	0	16	8	4	0	0	0	0	0	4	15	0
	0830	,,	1015·9	1015·2	—1·2	18·3	15·0	12·4	14·4	69	—4	2·9	+1·6	5·5	0	0	28	13	5	0	0	0	0	4	6	3	0
	1130	,,	1014·6	1013·9	..	23·8	17·5	12·9	14·9	50	..	3·1	..	7·3	0	0	31	7	7	2	0	0	0	0	15	0	0
	1430	,,	1012·1	1011·4	..	25·3	17·8	12·3	14·3	45	..	3·3	..	5·9	0	0	27	7	4	0	0	0	0	2	14	4	0
	1730	,,	1012·5	1011·8	..	21·9	17·6	14·6	16·6	65	..	3·0	..	1·2	0	0	9	5	0	1	0	0	0	0	3	22	0
	2030	,,	1014·0	1013·3	..	17·9	16·0	14·7	16·7	82	..	2·4	..	0·8	0	0	6	1	2	0	1	1	0	0	1	25	0
	2330	,,	1013·9	1013·3	..	16·0	14·8	13·9	15·9	87	..	2·5	..	1·4	0	0	8	5	2	0	0	0	0	0	1	23	0
Calcutta	0830	6	1016·1	1015·3	—1·6	19·8	15·7	12·5	14·5	63	—14	2·1	+0·7	5·5	0	0	30	11	8	0	0	1	0	0	10	1	0
	1130	,,	1014·5	1013·8	..	24·8	18·1	13·4	15·4	49	..	2·5	..	8·6	0	0	31	10	5	1	0	0	0	0	15	0	0
	1730	,,	1012·7	1011·9	..	21·9	17·3	14·1	16·1	61	..	2·6	..	2·6	0	0	20	6	2	0	1	0	0	0	11	11	0
Midnapore	0830	45	1016·4	1011·0	—1·4	19·1	13·9	9·3	11·7	53	—10	1·2	—0·1	3·0	0	0	27	12	14	1	0	0	0	0	0	4	0
	1730	,,	1012·5	1007·2	..	23·1	16·6	11·6	13·7	48	..	2·2	..	1·3	0	0	16	8	7	1	0	0	0	0	0	15	0
Contai	0830	11	1016·1	1014·8	—0·7	18·8	15·2	12·4	14·4	66	—8	2·1	+1·2	5·2	0	0	30	30	0	0	0	0	0	0	0	1	0
	1730	,,	1012·6	1011·4	..	22·3	17·2	13·5	15·5	58	..	1·9	..	0·9	0	0	6	2	0	0	0	3	0	0	1	25	0
Sagar Island	0830	3	1015·4	1015·0	—2·0	19·7	16·5	14·2	16·2	68	—9	2·7	+0·8	14·3	0	4	27	15	10	0	0	0	0	1	5	0	0
	1730	,,	1012·1	1011·8	..	22·1	17·8	14·9	16·9	63	..	3·3	..	9·5	0	1	28	12	5	1	0	1	1	0	9	2	0
Sandheads	0530	10	1012·9	1011·8	..	22·3	17·8	14·7	16·7	63	..	2·8	..	21·9	0	21	10	11	16	0	0	1	0	0	3	0	0
	0830	,,	1015·3	1014·2	—2·0	23·3	18·6	15·5	17·6	63	+5	2·8	+1·0	23·3	0	19	12	13	12	0	1	0	0	0	5	0	0
	1130	,,	1014·5	1013·4	..	24·3	18·9	15·3	17·4	58	..	2·9	..	23·3	0	21	9	16	13	0	0	0	0	0	1	1	0
	1730	,,	1012·3	1011·2	..	23·3	18·7	15·7	17·8	62	..	3·0	..	13·9	0	6	21	15	6	1	2	0	0	0	3	1	0
	2330	,,	1013·6	1012·5	..	23·1	18·4	15·3	17·4	61	..	1·7	..	17·0	0	11	19	12	13	1	1	0	0	0	3	1	0
Orissa																											
Baripada	0830	54	1017·7	1011·3	..	18·0	14·1	10·8	13·0	63	..	1·9	..	3·2	0	0	29	13	12	0	0	0	0	0	4	2	0
	1730	,,	1013·9	1007·6	..	21·5	16·3	12·3	14·3	56	..	2·4	..	0·6	0	0	5	2	2	0	0	1	0	0	0	26	0
Jharsuguda	0230	230	1014·1	987·1	..	14·5	11·9	9·3	11·7	71	..	2·4	..	3·3	0	0	17	8	8	1	0	0	0	0	0	14	0
	0530	,,	1014·9	987·7	..	12·8	10·8	8·8	11·3	77	..	2·6	..	4·9	0	0	24	17	7	0	0	0	0	0	0	7	0
	0830	,,	1016·8	989·9	—1·1	17·3	12·7	8·4	11·0	56	—11	3·7	+2·4	9·8	0	1	28	10	14	1	0	0	0	0	4	2	0
	1130	,,	1015·1	989·0	..	24·3	15·1	6·4	9·6	32	..	3·2	..	9·0	0	0	29	8	13	4	1	0	0	0	3	2	0
	1430	,,	1012·6	986·1	..	26·7	15·7	5·0	8·7	25	..	3·2	..	8·1	0	1	25	6	9	2	1	0	3	2	3	5	0
	1730	,,	1012·4	986·2	..	23·3	15·1	7·8	10·6	37	..	3·3	..	4·1	0	0	19	4	4	6	1	1	1	1	1	12	0

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres.	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km. p. h.): 62 or more	Wind speed (km. p. h.): 20 to 61	Wind speed (km. p. h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Orissa—(Contd.)																											
Jharsuguda—(*contd.*)	2030	230	1014·4	988·0	..	19·0	13·4	8·2	10·7	50	..	2·5	..	2·8	0	0	15	1	5	5	1	1	0	0	2	16	0
	2330	,,	1014·8	987·9	..	16·1	12·6	9·4	11·8	64	..	2·2	..	3·4	0	0	14	4	7	3	0	0	0	0	0	17	0
Keonjhargarh	0830	463	1015·8	963·1	..	17·7	13·1	9·3	11·7	57	..	1·6	..	1·2	0	0	17	5	0	0	0	0	0	5	7	14	0
	1730	,,	1012·8	960·9	..	21·9	14·3	7·8	10·6	43	..	1·9	..	0·8	0	0	12	4	0	1	0	0	1	5	1	19	0
Balasore	0830	20	1016·3	1014·0	−1·5	19·0	14·8	11·4	13·5	63	−7	3·9	+2·4	4·5	0	0	30	27	3	0	0	0	0	0	0	1	0
	1730	,,	1012·6	1010·3	..	22·0	17·2	13·8	15·8	60	..	3·6	..	0·9	0	0	6	2	1	0	1	2	0	0	0	25	0
Sambalpur	0830	148	1017·8	1000·6	−0·2	19·8	15·7	12·5	14·5	63	−10	2·3	+0·9	0·6	0	0	10	2	7	1	0	0	0	0	0	21	0
	1730	,,	1012·8	995·9	..	22·7	17·5	13·8	15·8	57	..	1·5	..	0·0	0	0	0	0	0	0	0	0	0	0	0	31	0
Angul	0830	139	1016·5	1000·3	−1·1	18·9	16·5	14·8	16·8	78	+6	3·4	+1·8	2·6	0	0	24	4	0	1	0	0	0	15	4	7	0
	1730	,,	1012·1	996.3	..	24·7	21·7	20·1	23·5	76	..	3·9	..	1·2	0	0	12	6	0	2	1	0	1	1	1	19	0
Chandbali	0830	6	1016·2	1015·5	−1·0	20·2	16·0	12·8	14·9	61	−14	3·7	+2·0	6·0	0	0	29	12	4	1	0	0	0	0	12	2	0
	1730	,,	1013·0	1012·3	..	22·8	17·2	13·1	15·1	55	..	3·4	..	3·6	0	0	31	6	15	4	5	0	0	0	1	0	0
Bolangir	0830	190	1016·5	994·9	..	19·9	15·2	11·4	13·5	58	..	2·3	..	3·0	0	0	29	12	10	0	1	2	2	0	2	2	0
	1730	,,	1012·2	990·5	..	24·7	17·5	12·0	14·0	46	..	2·8	..	2·8	0	0	30	13	11	4	0	0	0	0	2	1	0
Phulbani	0830	464	1015·1	961·8	..	16·2	13·3	10·8	12·9	71	..	0·9	..	0·3	0	0	4	1	0	1	0	0	0	2	0	27	0
	1730	,,	1010·3	958·3	..	22·2	15·8	10·6	13·0	50	..	0·9	..	0·1	0	0	1	0	0	0	0	0	0	1	0	30	0
Cuttack	0830	27	1016·0	1012·9	−1·8	19·3	16·0	13·5	15·5	70	−5	1·9	+0·1	2·5	0	0	14	2	6	2	0	0	1	2	1	17	0
	1730	,,	1012·4	1009·4	..	25·7	19·6	15·7	17·8	55	..	2·1	..	2·3	0	0	12	0	5	1	3	1	1	0	1	19	0
Titlagarh	0830	211	1016·3	992·1	..	20·1	16·0	12·9	14·9	63	..	0·9	..	2·0	0	0	31	0	30	0	1	0	0	0	0	0	0
	1730	,,	1012·7	988·9	..	25·8	19·6	15·6	17·7	55	..	0·9	..	2·0	0	0	31	0	30	0	0	0	0	0	1	0	0
Bhubaneswar	0230	46	1013·4	1008·1	..	17·2	14·8	12·9	14·9	76	..	1·8	..	5·7	0	1	20	5	7	0	1	0	2	1	5	10	0
	0530	,,	1013·9	1008·6	..	16·4	14·0	12·0	14·0	76	..	2·7	..	6·6	0	1	27	17	3	1	0	2	0	0	5	3	0
	0830	,,	1016·0	1010·7	−1·3	21·5	16·0	11·7	13·7	53	−15	3·2	+1·5	10·9	0	4	26	9	12	4	1	0	0	1	3	1	0
	1130	,,	1014·9	1009·7	..	25·6	17·0	10·2	12·4	38	..	2·8	..	13·3	0	5	26	4	18	6	1	0	1	1	0	0	0
	1430	,,	1012·1	1006·9	..	27·3	17·3	9·1	11·5	32	..	2·7	..	10·3	0	3	28	7	14	4	0	1	1	2	2	0	0
	1730	,,	1012·6	1007·3	..	24·0	16·9	11·5	13·6	46	..	3·0	..	7·3	0	1	29	2	5	17	2	3	0	0	1	1	0
	2030	,,	1014·4	1009·0	..	20·4	16·2	13·0	15·0	63	..	2·0	..	6·5	0	1	27	4	5	12	2	3	2	0	0	3	0
	2330	,,	1014·3	1009·0	..	18·2	15·4	13·3	15·3	73	..	1·9	..	6·3	0	1	23	2	10	2	1	3	2	0	4	7	0
Puri	0830	6	1016·1	1015·4	−1·1	21·7	17·1	13·8	15·8	61	−11	3·8	+2·4	10·4	0	2	29	19	8	0	1	1	0	0	2	0	0
	1730	,,	1012·6	1011·9	..	24·0	18·9	15·6	17·7	61	..	3·2	..	10·1	0	0	31	4	7	7	10	3	0	0	0	0	0
Gopalpur	0530	17	1013·6	1011·6	..	17·7	16·1	14·9	16·9	84	..	3·5	..	9·7	0	0	30	11	1	0	0	0	1	0	17	1	0
	0830	,,	1016·0	1014·0	−1·3	20·1	16·9	14·7	16·7	71	−1	3·7	+2·3	12·8	0	0	30	14	0	0	0	0	0	0	16	1	0
	1130	,,	1015·0	1013·1	..	26·1	18·8	13·8	15·8	47	..	3·5	..	14·3	0	5	26	7	11	6	4	1	0	0	2	0	0
	1730	,,	1012·5	1010·5	..	24·4	19·2	15·9	18·1	59	..	4·0	..	13·5	0	2	29	0	8	14	7	2	0	0	0	0	0
	2330	,,	1014·3	1012·3	..	20·0	17·4	15·6	17·7	73	..	3·5	..	6·3	0	1	26	9	1	0	0	0	2	1	14	4	0
Koraput	0830	913	1525·8	913·8	−1·3	16·1	13·8	12·1	14·1	77	+5	5·2	+4·0	8·5	0	0	31	0	2	7	18	3	1	0	0	0	0
	1730	,,	1513·7	911·2	..	22·4	16·7	12·9	14·9	57	..	4·5	−	(a) 10·0	0	0	30 (g)	2	2	2	3	3	9	2	7	0	0
BIHAR PLATEAU.																											
Dumka	0830	149	1016·7	999·3	−1·3	16·5	13·2	10·3	12·5	67	+1	0·9	0	3·9	0	0	24	3	0	1	3	1	2	9	5	7	0
	1730	,,	1013·4	996·2	..	20·5	15·1	11·1	13·2	53	..	0·6	..	0·9	0	0	7	1	1	2	0	0	0	0	3	24	0
Daltonganj	0830	221	1017·0	991·1	−1·7	15·5	12·3	9·3	11·7	66	−13	1·0	0	0·7	0	0	11	0	0	1	1	3	5	1	0	20	0
	1730	,,	1013·4	987·9	..	20·7	15·1	10·5	12·7	53	..	1·5	..	1·2	0	0	14	2	5	0	0	0	2	4	1	17	0
Hazaribagh	0830	611	1017·3	947·0	−0·9	14·6	11·1	7·9	10·7	65	+4	1·8	+0·5	5·3	0	0	23	6	4	1	0	0	0	0	12	8	0
	1730	,,	1014·0	944·0	..	17·2	12·1	7·6	10·4	54	..	1·9	..	6·2	0	0	29	14	1	0	0	0	0	0	14	2	0
Dhanbad	0830	257	1016·7	986·9	..	18·6	13·3	8·3	10·9	51	..	1·0	..	1·9	0	0	17	1	4	1	1	0	0	9	1	14	0
	1730	,,	1013·3	983·8	..	20·7	14·4	8·8	11·3	47	..	0·8	..	0·3	0	0	1	0	0	0	0	0	0	0	0	30	1
Ranchi	0830	655	1017·5	942·8	−0·1	16·3	11·5	7·0	10·0	55	−3	1·4	0	1·2	0	0	18	10	2	1	0	0	0	0	5	13	0
	1730	,,	1014·5	939·6	..	17·7	12·4	7·8	10·6	52	..	1·8	..	1·0	0	0	15	8	2	1	0	0	0	2	2	16	0
Ranchi Aerodrome	0530	652	1015·9	940·5	..	11·4	9·1	6·9	9·9	73	..	1·8	..	1·9	0	0	8	6	1	0	0	0	1	0	0	23	0
	0830	,,	1016·7	942·3	..	15·6	11·4	7·6	10·4	59	..	2·0	..	3·9	0	1	11	4	2	0	1	0	0	0	5	19	0
	1130	,,	1014·8	941·8	..	20·1	12·8	6·2	9·5	40	..	2·6	..	12·6	0	7	16	4	3	2	0	0	1	0	13	8	0
	1430	,,	1011·9	939·4	..	21·8	13·4	5·9	9·3	35	..	3·2	..	14·3	0	10	16	10	3	2	0	0	1	0	10	5	0
	1730	,,	1012·4	939·5	..	19·5	12·8	6·9	9·9	42	..	2·5	..	6·4	0	2	15	7	2	1	0	0	0	0	7	14	0
	2030	,,	1015·3	941·1	..	15·5	11·3	7·5	10·4	58	..	1·1	..	2·7	0	0	10	5	0	0	0	0	0	0	5	21	0
Jamshedpur	0830	129	1016·5	1001·3	−1·6	15·8	12·8	10·2	12·4	70	−5	1·9	+0·3	1·4	0	0	16	0	0	2	0	0	0	8	6	15	0
	1730	,,	1012·9	998·1	..	22·3	16·3	11·6	13·7	51	..	2·1	−	1·0	0	0	13	4	3	2	1	0	0	2	1	18	0
Jamshedpur (P.B.O.)	0530	142	1015·3	998·5	..	12·6	11·1	9·7	12·0	83	..	2·0	..	1·5	0	0	10	0	0	0	2	1	4	1	2	21	0
	0830	,,	1017·3	1000·6	..	17·0	13·1	9·6	11·9	62	..	2·3	..	3·2	0	0	19	0	1	1	0	0	4	7	6	12	0
	1130	,,	1015·7	999·3	..	22·7	15·4	9·2	11·6	41	..	2·3	..	6·4	0	0	29	1	3	2	0	0	1	10	12	2	0

(a) Mean for 30 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (km. p. h.): 62 or more	Wind speed (km. p. h.): 20 to 61	Wind speed (km. p. h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Bihar Plateau (*Contd.*) Jamshedpur P. B. O. Contd.	1430	142	1012·7	996·4	..	25·0	15·9	7·9	10·7	34	..	2·5	..	6·3	0	0	25	3	4	1	0	0	1	2	14	6	0
	1730	,,	1013·1	996·7	..	21·7	15·4	10·2	12·4	48	..	2·5	..	1·2	0	0	9	1	1	1	1	0	0	0	5	22	0
	2030	,,	1014·9	998·3	..	16·8	14·0	11·7	13·7	72	..	1·5	..	1·2	0	0	8	1	1	0	0	1	1	2	2	23	0
	2330	,,	1015·3	998·5	..	14·5	12·6	10·9	13·0	79	..	1·6	..	1·7	0	0	9	0	0	0	0	0	1	2	6	22	0
Chaibasa	0830	226	1017.1	990·5	—1.1	16·5	13·2	10·3	12·5	67	—9	2·5	+1·0	1·3	0	0	14	0	3	0	0	0	11	0	0	17	0
	1730	,,	1012.6	986·7	..	21·9	17·2	13·9	15·9	61	..	2·6	..	0·3	0	0	3	0	3	0	0	0	0	0	0	28	0
Bihar plains Motihari	0830	66	1017·5	1009·5	—0.6	14·3	12·8	11·5	13·6	84	+4	0·6	—0·6	1·2	0	0	14	0	0	3	1	0	4	0	6	17	0
	1730	,,	1014·2	1006·4	..	18·9	13·9	13·7	15·7	72	..	0·8	..	0·1	0	0	1	0	0	0	0	0	0	0	1	30	0
Forbesganj	0830	61	1016·8	1009·7	..	15·3	13·4	11·8	13·8	80	..	1·2	..	0·8	0	0	12	0	0	6	0	0	0	5	1	19	0
	1730	,,	1013·1	1006·1	..	20·2	16·3	13·4	15·4	65	..	1.3	..	0·1	0	0	2	0	0	0	0	0	0	2	0	29	0
Darbhanga	0830	49	1017·9	1012·1	—0·2	19·5	15·4	12·2	14·2	63	—20	1·2	+0·3	1·1	0	0	17	2	0	1	0	1	2	6	5	14	0
	1730	,,	1014·4	1008·7	..	21·8	17·2	13·9	15 9	61	..	0·8	..	0.3	0	0	4	0	0	0	1	0	1	2	0	27	0
Chapra	0830	58	1017·2	1010·4	..	14·6	12·1	9·8	12·1	73	..	0·8	..	1·3	0	0	21	0	2	0	1	0	13	0	5	10	0
	1730	,,	1014·3	1007·6	..	19·7	15·4	12·0	14·0	61	..	0·6	..	1·4	0	0	21	2	3	0	0	0	12	1	3	10	0
Purnea	0830	38	1017·8	1013·3	—0·4	16·0	13·6	11·6	13·7	75	—10	0·9	0	0·0	0	0	0	0	0	0	0	0	0	0	0	31	0
	1730	,,	1013.6	1009·2	..	19·7	16·6	14·4	16·4	72	..	1·3	..	0·0	0	0	0	0	0	0	0	0	0	0	0	31	0
Patna	0830	53	1017·4	1011·1	—1·0	14·5	12·1	9·9	12·2	74	+4	1·2	+0·2	4·7	0	0	27	1	1	0	1	2	8	11	3	4	0
	1730	,,	1014·0	1007.9	..	20·4	14·9	10·3	12·5	53	..	1·2	..	4·2	0	0	25	0	1	0	0	1	2	18	3	6	0
Patna Aerodrome	0530	60	1014·7	1007·7	..	10·0	9·1	8·1	10·8	88	..	0·8	..	1·7	0	0	12	0	0	0	0	1	1	5	3	19	2
	0830	,,	1017·0	1009.9	..	14·9	12·2	9·7	12·0	72	..	1·5	..	4·3	0	0	21	1	0	0	0	0	3	10	7	10	0
	1130	,,	1016·4	1009.4	..	21·9	14·9	8·7	11·2	43	..	1·4	..	8·8	0	0	31	5	3	2	1	0	2	6	12	0	0
	1430	,,	1013·6	1006·8	..	23·8	15·2	7·4	10·3	36	..	1.5	..	9·0	0	0	31	1	2	2	1	1	2	7	15	0	0
	1730	,,	1013·6	1006.7	..	19·2	14·4	10·3	12·5	56	..	1·3	..	1·0	0	0	5	0	0	0	0	0	0	3	2	26	0
	2030	,,	1015·1	1008·1	..	14·3	12·2	10·3	12·5	77	..	1·1	..	0·9	0	0	5	0	0	0	0	1	0	1	2	26	1
	2330	,,	1015·2	1008·2	..	12·4	10·9	9·5	11·9	83	..	1·1	..	1·3	0	0	6	1	0	1	0	0	1	0	3	25	0
Bhagalpur	0530	49	1015·6	1009·7	..	12·5	11·2	10·0	12·3	85	..	1·3	..	3.0	0	0	18	0	1	0	1	9	5	2	0	13	0
	0830	,,	1017·7	1011·9	—0.5	15·6	13·0	10·7	12·9	73	—3	2·0	+1·0	3.4	0	0	19	0	0	2	1	1	6	7	2	12	0
	1130	,,	1016·6	1010·9	..	21·2	18·7	11·3	13·3	53	..	1.7	..	6·9	0	1	28	3	3	1	0	0	1	10	11	2	0
	1730	,,	1014·0	1008·3	..	19·5	15·5	12·4	14·4	63	..	2.2	..	3·4	0	0	22	1	0	0	2	1	8	9	1	9	0
	2330	,	1015·8	1010·0	..	15·1	13·1	11·4	13·5	78	..	1.2	..	3.8	0	0	21	0	0	0	0	6	9	5	1	10	0
Sabaur	0830	37	1017·5	1013·0	—0.5	14·9	12·8	11·0	13·1	78	—4	1·9	+0.6	3.3	0	0	29	0	0	0	1	3	15	6	4	2	0
	1730	,,	1013·7	1009·3	..	19·6	16·7	14·7	16·7	74	..	1·8	..	1·2	0	0	13	0	0	0	0	0	1	1	11	18	0
Jamui	0830	82	1015·6	1006·0	..	15·6	13·1	10·9	13·0	74	..	0·0	..	1·3	0	0	20	0	0	1	0	0	0	11	8	11	0
	1730	,,	1011·7	1002·2	..	19·9	15·7	12·5	14·5	62	..	0·1	..	0·9	0	0	14	0	0	1	0	0	0	12	1	17	0
Dehri	0830	107	1017·6	1004·8	..	15·4	13·0	10·9	13.0	75	..	1·0	..	2·8	0	0	31	0	1	1	4	8	9	2	6	0	0
	1730	,,	1013·9	1001·4	..	21·6	15·0	9·3	11·7	46	..	0·6	..	3·3	0	0	31	5	4	2	0	0	1	18	1	0	0
Gaya	0230	116	1015·8	1001·9	..	10·9	9·6	8·3	10·9	84	..	0·8	..	2·8	0	0	23	0	0	1	11	10	0	0	1	8	0
	0530	,,	1016·2	1002·2	..	9·7	8·8	7·8	10·6	89	..	1·1	..	3·1	0	0	28	1	0	0	14	8	4	1	0	3	0
	0830	,,	1017·9	1004·1	—0·1	14·6	12·1	9·8	12·1	73	+6	1·6	+0·6	2·9	0	0	28	0	0	0	4	14	8	2	0	3	0
	1130	,,	1017·2	1003·7	..	21·7	14·9	8·9	11·4	45	..	1·6	..	7·2	0	2	29	4	2	0	0	1	3	11	10	0	0
	1430	,,	1014·4	1001·1	..	23·4	15·4	8·4	11·0	39	..	1·7	..	8.2	0	0	31	7	3	0	0	0	0	11	10	0	0
	1730	,,	1014·4	1000·9	..	20·4	14·5	9·3	11·7	49	..	1·5	..	3·9	0	0	31	7	1	0	1	1	0	7	14	0	0
	2030	,,	1015·8	1002·1	..	15·8	12·5	9.4	11·9	66	..	0·8	..	2·1	0	0	23	2	3	2	0	0	3	5	8	8	0
	2330	,,	1016·4	1002·5	..	12·5	10·6	8·7	11·2	79	..	0·8	..	3.1	0	0	28	1	0	1	5	16	3	2	0	3	0
Uttar Pradesh East Kheri (R)	0830	147																									
(R)	1730	,,																									
Baharaich	0830	124	1016·9	1002·5	—0·4	12·5	10·2	7·8	10·6	74	—6	0·5	—0·5	2.2	0	0	14	1	0	0	0	0	0	10	3	17	0
	1730	,,	1014·0	999·6	..	19·7	14·7	10·7	12·7	57	..	1.3	..	0·7	0	0	6	0	0	0	0	0	0	6	0	25	0
Nautanwa	0830	99	1016·8	1005·0	..	13·0	11·6	10·2	12·5	83	..	0.7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1013·2	1001·6	..	20·2	15·5	11·9	13·8	60	..	0·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hardoi	0330	142	1017·4	1000·3	—0·5	11·8	9·1	6·2	9·4	69	—14	0·3	—1.3	1·4	0	0	19	6	0	0	0	0	0	7	6	12	0
	1730	,,	1014·1	997·5	..	19.2	14·6	10·6	12·9	57	..	0·5	..	0·5	0	0	7	1	0	1	1	0	0	4	0	24	0
Gonda	0830	110	1017·7	1004·6	..	14·0	10·8	7·6	10·4	66	—16	0·6	—0.9	1·7	0	0	17	4	0	1	0	0	0	5	7	14	0
	1730	,,	1013·9	1001·1	..	18·9	14·3	10·3	12·5	56	..	0·6	..	0·1	0	0	1	0	0	0	0	0	0	1	0	30	0
Lucknow	0830	111	1016.7	1003·4	—1.5	11·6	9·7	7·8	10·6	79	+2	0.3	—0.7	0.2	0	0	3	0	0	0	0	0	0	3	0	28	0
	1730	,,	1013·8	1000·9	..	20·9	14·6	8·7	11·6	46	..	0·9	..	0·3	0	0	3	0	0	0	0	0	0	3	0	28	0

(R) register not

* Anemometer not read as ladder defective.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level of height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (km. p.h.): 62 or more	Wind speed (km. p.h.): 20 to 61	Wind speed (km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Uttar Pradesh East—(*Contd.*)																										
Lucknow (Amausi)	0230	128	1015·7	1000·2	..	8·3	7·3	5·9	9·3	85	..	0·6	..	3·7	0	0	21	4	0	1	0	0	1	12	3	10
	0530	,,	1015·6	1000·1	..	7·3	6·4	5·3	8·9	88	..	0·4	..	3·6	0	0	25	3	1	1	1	0	2	11	6	6
	0830	,,	1017·6	1002·3	−0·8	11·9	9·4	6·7	9·8	71	+3	0·9	−0·1	3·4	0	0	23	3	1	1	1	1	1	7	8	8
	1130	,,	1017·1	1001·9	..	20·7	13·0	4·6	8·5	35	..	0·9	..	6·1	0	0	29	5	3	1	1	2	1	5	11	2
	1430	,,	1014·6	999·6	..	23·3	13·7	3·5	7·9	28	..	1·2	..	7·6	0	1	29	4	1	0	2	2	2	8	11	1
	1730	,,	1014·6	999·4	..	18.6	13·5	8·8	11·3	53	..	1·2	..	3·4	0	0	24	4	1	0	0	1	3	9	6	7
	2030	,,	1015·9	1000·7	..	12·1	9·9	7·6	10·4	74	..	0·3	..	3 2	0	0	18	2	1	0	0	1	0	11	3	13
	2330	,,	1016·2	1000·8	..	9·6	8·2	6·5	9·7	81	..	0·4	..	4·1	0	0	24	2	0	2	0	0	4	11	5	7
Faizabad	0830	102	1017·1	1004·9	..	12·3	10·5	8·6	11·2	79	..	0·9	..	0·7	0	0	12	1	2	0	0	0	1	5	3	19
	1730	,,	1014·1	1002·1	..	17·9	14·0	10·5	12·9	62	..	1·4	..	0	0	0	2	0	0	0	1	0	0	1	0	29
Gorakhpur	0830	77	1017·5	1008·2	−0·5	16·1	12·3	8·6	11·2	62	−16	0·7	−0·2	0·6	0	0	9	2	1	0	0	0	0	4	2	22
	1730	,,	1014·0	1005·4	..	21·7	16·0	11·3	13·4	51	..	0·9	..	0·4	0	0	5	0	0	0	0	0	0	5	0	26
Gorakhpur (P.B.O.)	0230	78	1015·0	1005·7	..	13·5	11 8	10·5	12·7	82	..	0·4	..	1·2	0	0	8	2	0	0	0	1	1	3	1	23
	0530	,,	1015·2	1005·9	..	12·7	11·0	9·7	12·0	83	..	0.5	..	1·0	0	0	5	1	0	0	0	1	0	3	0	26
	1130	,,	1016·8	1007·6	..	19·3	14·3	10·7	12·9	58	..	0·8	..	6·1	0	0	31	1	2	1	2	6	6	7	5	0
	1430	,,	1014·2	1005·1	..	21·3	14·8	9·9	12·2	49	..	1·0	..	6·6	0	0	31	0	1	2	1	4	9	9	5	0
	2030	,,	1015·4	1006·1	..	16·2	13·8	12·2	14·2	77	..	0·4	..	1·2	0	0	9	0	1	0	1	2	3	1	1	22
	2330	,,	1015·6	1006·3	..	14·9	12·8	11·1	13·2	79	..	0·4	..	0·6	0	0	5	0	0	0	0	1	2	2	0	26
Kanpur	0830	126	1017.1	1002.0	−1·4	10·9	8·8	6·2	9·4	74	−3	1·8	+0·1	3·0	0	0	18	3	2	2	0	0	0	8	3	13
	1730	,,	1014·3	1000·0	..	21·7	14·0	6·5	9·7	38	..	0·7	..	3·0	0	0	24	8	0	2	0	1	0	12	1	7
Kanpur (Aerodrome)	0530	126	1015·8	1000·6	..	8·9	7·3	5·4	9·0	79	..	0·5	..	2·8	0	0	14	2	0	1	2	0	0	4	5	17
	0830	,,	1017·8	1002·7	..	12·9	9·8	6·2	9·5	65	..	1·1	..	6·7	0	0	26	7	3	2	1	0	1	5	7	5
	1130	,,	1017·4	1002·8	..	21·4	13·4	5·0	8·7	34	..	0·9	..	10·8	0	0	31	13	4	3	2	1	1	3	3	0
	1730	,,	1014·4	999·8	..	20·0	13·4	6.6	9·7	41	..	1·5	..	4·5	0	0	22	4	4	2	1	0	1	4	6	9
	2330	,,	1016·4	1001·4	..	11·7	9·3	6·3	·9·5	69	..	0·3	..	2·0	0	0	10	0	0	0	0	0	0	4	6	21
Sultanpur	0830	97	1018·1	1006·5	..	13·5	10·1	6·6	9·7	62	..	0·7	..	1·5	0	0	21	1	2	2	0	1	3	7	5	10
	1730	,,	1013·8	1002·7	..	22·3	15·8	10·3	12·7	47	..	1·1	..	1·0	0	0	11	0	0	1	1	0	0	7	2	20
Azamgarh	0830	78	1017·8	1008·1	..	13·2	11·8	10·4	12·6	84	..	0·8	..	0·4	0	0	19	4	0	0	0	2	0	13	0	12
	1730	,,	1014·1	1005·2	..	20·3	17·7	15·8	17·9	76	..	0·7	..	0·3	0	0	2	0	0	0	0	0	0	2	0	29
Fatehpur	0830	114	1017·9	1004·2	..	12·9	10·2	7·3	10·2	69	0	0·9	−0·5	2·0	0	0	19	0	2	4	0	0	4	4	5	12
	1730	,,	1014·4	1001·1	..	20·4	14·2	8·7	11·2	47	..	1·1	..	0·6	0	0	8	1	0	2	0	0	0	0	5	23
Ballia	0830	64	1018·1	1010·3	..	13·6	11·7	9·8	12·2	77	..	0·7	..	0·5	0	0	8	0	0	0	0	0	2	6	0	23
	1730	,,	1015·2	1007·1	..	20·3	15·8	12·6	14·3	59	..	0·7	..	0·0	0	0	0	0	0	0	0	0	0	0	0	31
Banda	0830	121	1018·8	1001·2	..	14·6	10·8	6·8	9·9	61	..	1·4	..	0·2	0	0	3	0	0	0	1	0	2	0	0	28
	1730	,,	1015·1	1001·0	..	21 3	15·1	9·6	12·2	45	..	1·0	..	0·0	0	0	0	0	0	0	0	0	0	0	0	31
Allahabad (Bamhrauli)	0230	98	1015·7	1003·9	..	11·2	9·6	7·9	10·7	81	..	0·9	..	0·1	0	0	2	0	0	0	0	0	1	1	0	29
	0530	,,	1015·8	1004·0	..	9·8	8·7	7·6	10·4	86	..	0·9	..	0·6	0	0	8	0	0	0	1	0	6	1	0	23
	0830	,,	1017·8	1006·1	−0·8	13·0	10·6	8·2	10·9	73	−4	1·3	−0·2	1·2	0	0	12	1	0	0	2	3	3	3	0	19
	1130	,,	1017·4	1006·1	..	22·1	14·6	.7·8	10·6	41	..	1·0	..	2·6	0	0	24	2	3	3	2	2	2	9	1	7
	1430	,,	1014·7	1003·4	..	24·0	15·1	6·8	,9·9	34	..	1·6	..	4·1	0	0	27	3	1	0	0	0	2	11	10	4
	1730	,,	1014·4	1003·0	..	20·9	15·0	10·0	12·3	50	..	1·2	..	0·5	0	0	7	0	1	1	0	0	1	4	0	24
	2030	,,	1015·9	1004·3	..	15·2	12·1	9·2	11·6	67	..	0·6	..	0·4	0	0	7	1	0	0	1	0	2	3	0	24
	2330	,,	1016·2	1004·5	..	12·9	10·7	8·5	11·1	75	..	0·9	..	0·1	..	..	2	0	1	0	0	0	1	0	0	29
Varanasi (Babatpur)	0530	85	1016·8	1006·3	..	8·9	8·3	7·6	10·4	92	..	0·7	..	1·4	..	..	8	0	1	1	0	1	3	2	0	23
	0830	,,	1018·9	1008·6	−0·1	13·7	11·5	9·4	11·8	75	+1	1·2	−0·1	4·7	0	0	20	0	1	0	1	4	10	4	0	11
	1130	,,	1018·2	1008·3	..	21·3	15·1	9·9	12·2	49	..	1·1	..	8·0	0	0	28	4	0	3	1	1	4	8	6	3
	1730	,,	1015·4	1005·4	..	19·4	14·8	10·9	13·0	58	..	1·3	..	1·3	0	0	9	0	0	1	0	0	1	7	0	22
	2330	,,	1017·0	1006·7	..	11·7	10·4	9·1	11·5	85	..	0·9	..	1·4	0	0	7	0	0	2	0	0	0	4	1	24
Varanasi	0830	76	1017·5	1008·6	−0·7	13·9	11·8	9·7	12·0	77	+1	1·0	−0·1	2·0	0	0	30	2	3	0	0	0	6	17	2	1
	1730	,,	1014·1	1004·9	..	20·6	15·4	11·4	13·5	57	..	1·4	..	0·8	0	0	12	0	2	1	1	0	0	8	0	19
Uttar Pradesh West																										
Mukhim	0830	,,	..	..	..	8·5	3·3	−4·4	4·2	41	..	1·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	8·8	3·6	−4·1	4·3	41	..	0·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tehri	0830	,,	..	..	..	4·5	3·9	3·3	7·7	89	..	1·2	..	0·2	0	0	2	0	0	1	0	0	0	0	1	29
	1130	,,	..	..	..	13·6	8·4	2·3	7·2	47	..	1·2	..	0·2	0	0	3	0	0	0	0	0	1	1	1	28
	1730	,,	..	..	..	15·3	9·7	3·8	8·0	47	..	0·9	..	1·2	0	0	14	1	0	1	7	2	3	0	0	17
Dehra Dun	0530	682	1017·4	937·7	..	8·2	6·3	4·5	8·4	76	..	0·6	..	0·3	0	0	2	0	2	0	0	0	0	0	0	29
	0830	,,	1018·4	938·6	−0·7	9·6	7·5	5·1	8·8	75	0	0·8	−1·7	0·3	0	0	4	2	0	1	0	0	1	0	0	27
	1130	,,	1016·5	939·3	..	18·8	12·1	5·8	9·2	44	..	1·0	..	2·0	0	0	20	1	0	1	3	3	5	5	2	11

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km. p. h.): 62 or more	Wind speed (km. p. h.): 20 to 61	Wind speed (km. p. h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Uttar Pradesh West—(Contd.)																											
Dehra Dun—(Contd)	1730	682	1013.9	936.9	..	17.3	12.6	8.5	11.1	58	..	0.7	..	0.3	0	0	4	0	0	0	0	1	1	1	1	27	0
	2330	,,	1017.2	938.2	..	11.2	8.2	5.0	8.7	66	..	0.1	..	1.0	0	0	11	6	5	0	0	0	0	0	0	20	0
Mussiari	0830	,,	..	..	..	6.9	1.3	−8.7	2.9	32	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	7.3	2.4	−5.2	3.4	41	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Roorkee	0830	274	1018.8	985.9	+0.1	9.1	6.8	4.0	8.1	71	−11	0.9	−0.9	0.2	0	0	4	0	0	0	0	0	0	0	4	27	0
	1730	,,	1015.4	983.7	..	18.7	12.6	6.6	9.7	46	..	0.9	..	0.4	0	0	9	0	0	0	0	0	1	0	8	22	0
Najibabad (R)	0830	270	..	..	..	..	..	..																			
	1730	,,	..	..	..	..	..	..																			
Meerut	0830	222	1018.1	991.4	−0.6	11.3	8.3	4.7	8.5	64	−11	0.3	−1.1	2.4	0	0	15	1	2	3	0	0	0	5	4	16	0
Bareilly	0830	173	1017.7	997.0	−0.5	12.2	9.5	6.5	9.7	69	−12	0.8	−0.6	4.1	0	0	25	0	4	5	0	0	0	11	5	6	0
	1730	,,	1014.2	994.1	..	19.5	13.5	7.8	10.6	48	..	0.9	..	0.9	0	0	11	0	0	2	0	0	0	9	0	20	0
Bareilly P. B. O.	0230	172	1015.5	995.0	..	12.4	9.7	7.2	10.1	71	..	0	..	1.8	0	0	13	0	0	4	0	0	0	8	1	18	0
	0530	,,	1015.7	995.0	..	11.3	9.0	6.9	9.9	74	..	0.2	..	2.8	0	0	18	1	2	1	0	0	0	11	3	13	0
	1130	,,	1017.3	997.1	..	18.7	13.4	9.5	11.9	56	..	1.0	..	4.3	0	0	30	2	2	5	0	1	0	7	13	1	0
	1430	,,	1014.3	994.3	..	22.0	14.3	8.8	11.3	43	..	0.4	..	5.3	0	0	31	0	1	3	2	0	1	13	11	0	0
	2030	,,	1015.7	995.4	..	15.7	11.8	8.7	11.2	63	..	0.3	..	1.5	0	0	15	0	0	2	1	0	0	8	4	16	0
	2330	,,	1016.0	995.5	..	14.1	10.7	7.8	10.5	65	..	0.1	..	2.4	0	0	22	2	0	4	0	0	0	14	2	9	0
Aligarh	0830	187	1018.4	995.4	..	10.5	7.7	4.5	8.3	65	+3	1.1	−0.3	2.5	0	0	27	6	1	1	2	1	1	10	5	4	0
	1730	,,	1014.8	992.6	..	19.8	13.6	7.6	10.6	46	..	1.3	..	1.5	0	6	24	8	0	4	0	1	0	7	4	7	0
Mainpuri	0830	157	1017.5	999.0	−0.6	11.1	9.1	6.9	9.9	76	+5	1.2	−0.2	2.6	0	0	23	3	1	1	1	1	2	4	10	8	0
	1730	,,	1014.4	996.2	..	19.2	14.6	10.7	12.7	58	..	1.1	..	0.7	0	0	7	0	0	0	0	0	0	3	4	24	0
Agra	0830	169	1018.3	998.2	−0.4	12.8	9.8	6.7	9.8	66	+4	0.7	−0.7	1.1	0	0	0	0	0	0	0	0	0	0	0	31	0
	1730	,,	1015.0	995.3	..	19.7	16.7	15.1	17.1	75	..	0.6	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
Agra (Aerodrome)	0530	169	1016.6	996.0	..	6.9	5.9	4.9	8.7	87	..	0.5	..	2.0	0	0	7	1	1	0	3	0	1	0	1	24	0
	0830	,,	1018.3	998.0	..	10.0	8.2	5.9	9.3	77	..	0.9	..	3.7	0	0	17	2	1	2	1	0	1	7	3	14	0
	1130	,,	1017.9	998.3	..	21.1	13.8	6.7	9.8	39	..	1.1	..	10.0	0	1	25	7	2	2	2	2	1	3	7	5	0
	1730	,,	1015.0	995.4	..	19.4	13.5	7.7	10.5	47	..	1.3	..	6.2	0	0	26	8	1	2	2	2	0	3	8	5	0
	2330	,,	1016.9	996.6	..	10.0	8.2	6.1	9.4	78	..	0.4	..	2.7	0	0	9	1	1	1	2	0	1	1	2	22	0
Orai	0830	141	1018.3	1001.7	..	17.5	12.3	7.2	10.1	51	..	0.3	..	2.7	0	0	29	0	6	7	0	1	0	1	14	2	0
	1730	,,	1014.8	998.4	..	20.8	14.3	8.3	10.9	45	..	0.3	..	2.1	0	0	28	2	11	2	0	0	0	1	12	3	0
Jhansi	0830	251	1018.4	988.8	−0.6	13.6	9.8	5.1	8.8	58	−2	0.7	−0.4	0.7	0	0	10	2	0	1	0	1	0	5	1	21	0
	1730	,,	1014.1	985.4	..	22.9	13.9	5.0	8.7	32	..	1.0	..	0.9	0	0	13	4	0	2	0	0	0	7	0	18	0
Punjab (India) (Including Delhi)																											
Pathankot	0530	312	1017.2	979.6	..	6.8	5.2	2.9	7.5	78	..	0.7	..	1.7	0	0	9	1	4	3	0	0	1	0	0	22	0
	[illegible]	,,	1018.4	981.0	−0.2	8.8	6.4	3.1	7.6	69	−6	1.5	−1.5	2.3	0	0	12	4	5	2	1	0	0	0	0	19	0
	1130	,,	1018.1	982.0	..	19.3	11.7	2.8	7.5	35	..	1.4	..	6.0	0	0	24	1	1	0	3	12	7	0	0	7	0
	1730	,,	1015.2	979.1	..	18.0	11.2	3.2	7.7	38	..	1.2	..	4.1	0	0	24	0	0	0	0	0	2	19	3	7	0
	2330	,,	1017.9	980.5	..	8.2	6.1	3.2	7.7	72	..	0.9	..	1.1	0	0	4	1	1	2	0	0	0	0	0	27	0
Bhuntar	0830	1096	1524.9	896.7	..	1.1	0.3	−0.9	5.8	87	..	1.6	..	2.0	0	0	18	8	0	0	1	5	0	0	3	13	1
	1130	,,	1531.4	895.9	..	9.9	5.0	−2.4	5.0	43	..	1.2	..	4.8	0	0	28	1	6	1	5	10	1	0	0	3	4
	1730	,,	1499.3	892.1	..	12.0	6.4	−1.2	5.5	41	..	1.1	..	10.1	0	6	21	3	0	1	6	6	2	1	7	4	1
Amritsar (Rajasansi)	0530	234	1017.3	988.6	..	4.1	3.2	1.8	6.9	85	..	0.4	..	1.5	0	0	8	1	3	1	0	0	0	1	2	23	0
	0830	,,	1018.8	990.2	−0.3	4.6	3.7	2.3	7.2	85	−1	1.4	−1.2	1.0	0	0	6	0	2	0	1	0	0	3	0	25	0
	1130	,,	1018.6	991.2	..	17.3	11.1	4.0	8.1	42	..	1.1	..	3.5	0	0	17	1	0	3	3	0	1	4	5	14	0
	1430	,,	1015.8	988.8	..	21.2	12.1	1.4	6.8	27	..	1.1	..	6.3	0	0	26	3	1	2	2	0	0	6	12	5	0
	1730	,,	1015.5	988.2	..	17.3	11.0	3.9	8.1	41	..	1.0	..	3.0	0	0	18	0	1	2	0	1	0	3	11	13	0
	2030	,,	1017.3	989.2	..	10.1	7.2	3.5	7.9	64	..	0.8	..	2.2	0	0	10	2	0	1	0	0	0	2	5	21	0
Adampur (Aerodrome)	0830	249	1018.8	988.4	..	4.9	3.8	2.2	7.2	84	..	1.4	..	1.7	0	0	6	0	2	2	1	0	0	0	1	25	0
	1730	,,	1015.7	986.6	..	17.0	11.1	4.6	8.5	44	..	1.0	..	8.0	0	0	28	2	1	1	1	1	0	8	14	3	0
Ludhiana	0830	247	1019.1	989.3	+0.2	7.9	6.0	3.5	7.9	74	−1	1.2	−0.9	1.5	0	0	18	0	0	2	4	1	0	1	10	13	0
	1730	,,	1014.7	986.2	..	18.6	12.5	6.5	9.7	45	..	0.9	..	1.0	0	0	14	4	0	2	1	1	0	1	5	17	0
Ferozepur	0830	200	1018.9	994.6	..	8.1	6.5	4.6	8.4	79	..	0.8	..	1.4	0	0	15	6	0	0	0	1	0	0	8	16	0
	1730	,,	1014.5	990.9	..	19.9	13.0	5.9	9.4	40	..	0.1	..	1.7	0	0	19	4	0	0	0	0	0	0	15	12	0
Halwara	0830	242	1018.5	989.0	..	6.8	5.4	3.6	7.9	81	..	0.9	..	2.1	0	0	11	0	0	3	2	1	0	2	3	20	0
	1730	,,	1015.4	987.2	..	17.1	10.4	2.6	7.4	38	..	1.0	..	6.1	0	0	28	3	1	3	1	1	1	3	15	3	0
Chandigarh	0830	347	1016.7	975.4	−0.5	11.0	7.5	2.8	7.5	55	−12	0.6	−0.9	1.5	0	0	20	0	1	0	14	0	1	0	4	11	0
	1730	,,	1013.7	973.9	..	19.5	11.7	3.4	7.6	30	..	0.6	..	(a) 1.1	0	0	12	0	0	0	6	0	1	0	5	18	0
Ambala	0830	272	1017.4	985.0	−0.9	10.4	6.6	0.9	6.5	54	−20	0.5	−1.7	0.3	0	0	2	0	0	0	1	0	0	0	1	29	0
	1730	,,	1014.4	983.1	..	20.6	13.7	5.8	9.2	39	..	0	..	1.9	0	0	24	0	0	0	14	0	7	0	3	7	0

(a) Mean for 30 days.

(R) Register not Received.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (Km. p.h.): 62 or more	Wind speed (Km. p.h.): 20 to 61	Wind speed (Km. p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Punjab (India) (including Delhi)—(Contd.)																											
Ambala (P.B.O.)	0230	278	1016·2	983·0	..	10·5	8·1	6·2	9·5	74	..	0·5	..	3·9	0	0	19	0	0	3	2	0	0	0	14	12	0
	0530	,,	1016·2	982·8	..	8·6	7·1	5·5	9·0	81	..	0·5	..	3·7	0	0	14	0	2	1	2	0	0	1	8	17	0
	1130	,,	1017·5	985·1	..	18·2	13·6	10·2	12·4	57	..	1·1	..	7·2	0	1	24	0	1	2	7	1	2	1	11	6	0
	1430	,,	1014·8	982·9	..	21·1	14·9	10·5	12·7	51	..	0.8	..	8 2	0	1	28	1	1	0	6	1	3	6	11	2	0
	2030	,,	1015·9	983·3	..	14·9	11·3	8·5	11·1	66	..	0·4	..	4·1	0	0	21	1	1	1	1	0	0	6	11	10	0
	2330	,,	1016·6	983·6	..	12·5	9·7	7·2	10·1	71	..	0·6	..	4·8	0	0	18	3	0	2	2	0	0	0	11	13	0
Ambala (Aerodrome)	0530	274	1016·6	982·9	..	4·6	3·9	3·0	7·6	91	..	0·6	..	1·8	0	0	6	0	0	1	1	0	0	4	0	25	0
	0830	,,	1018·1	985·0	..	7.1	5·5	3·4	7·8	78	..	1·2	..	3·4	0	0	11	0	1	2	1	0	1	4	2	20	0
	1130	,,	1017·3	985·6	..	19.6	12·0	3·6	7·9	35	..	0·9	..	9·3	0	1	26	0	1	2	7	1	0	9	5	4	2
	1730	,,	1014·5	982·7	..	18·2	11·8	4·9	8·7	42	..	0·9	..	4·4	0	0	18	0	0	0	2	0	1	14	1	13	0
	2330	,,	1017·1	984·0	..	7·8	6·3	4·3	8·3	79	..	0·5	..	1·4	0	0	4	0	0	1	1	0	0	2	0	27	0
Patiala	0830	251	1018·2	988·2	..	10·7	7·9	4·5	8·4	66	..	1·0	..	3·3	0	0	15	0	3	0	5	0	0	0	7	16	0
	1730	,,	1015·3	986·2	..	18·0	12·9	8·1	10·8	54	..	0·8	..	2·8	0	0	14	0	0	0	2	0	0	0	12	17	0
Bhatinda	0830	211	1018·3	993·5	..	13.2	8·9	3·5	7·8	50	..	0·3	..	0·5	0	0	6	0	1	0	1	0	0	0	4	25	0
	1730	,,	1014·9	990·3	..	19·1	13·0	6·7	9·8	46	..	0·5	..	0·2	0	0	3	1	0	0	0	0	0	0	2	28	0
Karnal (R)	0830	249																									
	1730	,,																									
Hissar	0530	221	1016·7	989·9	..	6·9	5·5	3·7	8·0	80	..	0·3	..	2·6	0	0	17	1	1	3	1	1	4	3	3	14	0
	0830	,,	1018·8	992·0	−0·3	7·9	5·9	3·2	7·7	73	+4	0·9	−0·8	2·5	0	0	22	0	1	3	2	2	12	2	0	9	0
	1130	,,	1018·3	992·3	..	18·8	13·3	8·0	10·7	50	..	0 7	..	4·0	0	0	20	1	2	0	6	0	2	2	7	11	0
	1730	,,	1015·0	989.5	..	21·1	15·2	10·1	12·3	50	..	1·1	..	2·5	0	0	21	4	0	2	1	0	1	7	6	10	0
	2330	,,	1017·1	990·6	..	10·4	7·9	4·9	8·7	69	..	0·2	..	2·5	0	0	21	3	0	2	3	0	2	4	7	10	0
New Delhi (Safdarjang)	0230	216	1016·6	990·6	..	10·0	7·8	5·0	8·7	72	..	0·5	..	3·0	0	0	22	0	0	0	1	0	2	7	12	9	0
	0530	,,	1016·6	990·4	..	8·3	6·5	3·9	8·1	74	..	0·5	..	3·2	0	0	23	0	1	3	0	0	0	11	8	8	0
	0830	,,	1018·4	992·3	−0·3	9·3	6·8	3·6	7·9	68	+3	1·3	−0·7	4·6	0	0	27	0	0	2	2	0	2	15	6	4	0
	1130	,,	1017·9	992·7	..	19·0	12·6	6·1	9·4	44	..	1·5	..	7·7	0	0	30	3	0	3	6	0	1	6	11	1	0
	1430	,,	1015·0	990·1	..	22·1	14·0	5·9	9·3	35	..	1·2	..	10·3	0	1	28	4	0	3	3	1	2	2	14	2	0
	1730	,,	1014·7	989·7	..	20·2	13·4	6·7	9·8	42	..	1·1	..	3·9	0	0	26	3	3	1	4	0	0	1	14	5	0
	2030	,,	1016·4	990·7	..	13·5	10·2	6·6	9·7	64	..	0·8	..	2·8	0	0	23	1	0	1	1	0	0	8	12	8	0
	2330	,,	1016·9	991·0	..	11·2	8·5	5.2	8·8	68	..	0·6	..	2·9	0	0	22	1	0	1	0	1	2	9	8	9	0
Palam (Aerodrome)	0230	233	1017·0	989·0	..	9·4	7·7	5·8	9·2	79	..	0·6	..	2·3	0	0	12	0	1	0	0	5	5	0	1	19	0
	0530	,,	1017·1	988·9	..	7·3	6·0	4·5	8·4	81	..	0·6	..	3·7	0	0	18	0	0	2	1	3	12	0	0	13	0
	0830	,,	1018·6	990·5	..	8·4	6·6	4·5	8·4	76	..	1·2	..	6·5	0	0	24	0	0	3	2	1	17	1	0	7	0
	1130	,,	1018·5	991·1	..	18·1	13·5	9·3	11·7	57	..	1·2	..	7·5	0	0	24	2	2	2	2	1	1	7	7	7	0
	1430	,,	1015·4	988·7	..	21·8	15·9	11·1	13·1	52	..	0·9	..	9·3	0	1	25	6	1	2	3	1	0	3	10	5	0
	1730	,,	1015·1	988·1	..	19·2	14·6	10·5	12·7	58	..	0·9	..	3·9	0	0	16	2	0	1	2	0	0	4	7	15	0
	2030	,,	1016·4	989·0	..	13·7	11·0	8·4	11·0	71	..	0·7	..	2·5	0	0	12	1	0	3	1	2	2	1	2	19	0
	2330	,,	1017·2	989·5	..	11·2	9·2	6·9	9·9	75		0·7	..	2·4	0	0	12	0	0	2	1	1	6	1	1	19	0
Himachal Pradesh																											
Mandi	0830	761	1020·9	931·2	0	3·7	2·6	1·1	6·6	84	−11	1·1	-3·7	0·0	0	0	0	0	0	0	0	0	0	0	0	31E	0
	1730	,,	1013·9	927·5	..	15·3	12·0	8·8	11·3	68	..	0·8	..	0·0	0	0	0	0	0	0	0	0	0	0	0	31	0
Bilaspur	0830	587	1020·1	950·4	..	5·7	4·5	3·1	7·6	85	..	2·0	..	0·4	0	0	6	0	0	3	0	3	0	0	0	25	0
	1730	,,	1014·3	947·9	..	17·9	11·2	4·3	8·3	42	..	0·9	..	1·7	0	0	18	1	6	8	0	3	0	0	0	13	0
Jammu & Kashmir																											
Misgar (R)	0830	..																									
(R)	1730	..																									
Gilgit (R)	0830	..																									
(R)	1730	..																									
Skardu (R)	0830	..																									
(R)	1730	..																									
Leh	0530	3514	3138·8	666·8	..	−13·0	−15·0	−24·4	0·7	38	..	2·0	..	5·1	0	0	27	14	13	0	0	0	0	0	0	4	0
	0830	,,	3146·8	667·8	+1·3	−8·0	−10·2	−16·8	1·4	52	−6	2·6	−2·0	1· 7	0	0	13	1	0	0	0	12	0	0	0	18	0
	1730	,,	..	..	..	−1·6	..	..	..	..	..	2·8	..	(c) 6·2	0	0	28	0	0	0	2	1	24	0	1	0	0
Srinagar	0830	1587	1552·1	846·5	0	−2·4	−2·7	−3·3	4·7	93	+3	3·1	−1·8	1·0	0	0	12	1	0	1	5	1	1	0	3	19	0
	1130	,,	1555·6	847·0	..	4·0	1·6	−2·0	5·2	67	..	2·8	..	1·6	0	0	18	1	3	1	7	1	1	2	2	13	0
	1430	,,	1534·4	844·8	..	6·5	3·3	−1·5	5·4	57	..	3·1	..	2·4	0	0	26	0	1	0	2	0	4	3	16	5	0
	1730	..	1530·3	844·3	..	5·3	2·6	−1·1	5·6	64	..	2·9	..	1·4	0	0	15	2	2	0	3	0	1	2	3	16	0
	2030	,,																									

(R) Registe received. (c) Mean of 28 days. *Data for less then 15 days, hence no means.

Sub-Division and station	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (km. p.h.): 62 or more	Wind speed (km. p.h.): 20 to 61	Wind speed (km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Jammu and Kashmir—(*Contd.*)																											
Srinagar (Aerodrome)	0530	1666	1538·1	836·9	..	—2·0	—2·8	—4·2	4·3	88	..	2·7	..	0·9	0	0	5	1	2	0	1	0	0	0	1	26	0
	0830	,,	1551·3	838·2	..	—1·3	—2·4	—4·4	4·2	79	..	3·5	..	1·8	0	0	13	0	1	1	5	3	1	0	2	18	0
	1130	,,	1556·2	839·0	..	3·5	1·1	—2·5	4·5	66	..	2·9	..	3·0	0	0	16	3	2	1	1	2	0	0	6	15	1
	1730	,,	1527·0	836·2	..	4·4	2·0	—1·0	5·6	69	..	3·4	..	1·6	0	0	8	1	1	0	1	0	0	1	4	23	0
	2330	,,	1541·4	837·4	..	0·1	—1·2	—3·5	4·6	76	..	2·8	..	1·9	0	1	4	1	0	2	0	1	0	0	1	26	0
Gulmarg	0830	2655	close	during	winter	months																					
	1730	,,																									
Qazigund	0830	1690	..	..	..	—1·3	—2·3	—3·9	4·4	82	..	3·2	..	3·1	0	0	24	0	0	0	20	1	2	1	0	7	0
	1730	,,	..	..	..	4·2	1·3	—3·1	4·7	61	..	3·1	..	2·6	0	0	21	2	1	0	1	1	9	6	1	10	0
Banihal	0830	..	..	..	..	1·3	—1·1	—5·3	3·9	65	..	1·8	..	3·7	0	1	7	0	0	0	1	0	2	1	4	23	0
	1730	..	..	..	..	9·3	3·3	—6·7	3·7	33	..	1·9	..	7·5	0	2	15	0	0	0	3	1	3	1	9	14	0
Jammu	0830	366	..	..	..	10·0	6·4	1·3	6·7	55	—7	1·8	—0·8	6·1	0	0	30	8	8	0	0	0	0	0	0	1	14
	1730	,,	..	..	..	20·0	12·6	4·5	8·4	36	..	0·6	..	3·5	0	0	22	0	0	0	0	1	2	1	2	9	16
Jammu Aerodrome	0530	292	1016·7	981·4	..	9·2	5·6	0·2	6·2	50	..	0·6	..	3·5	0	0	14	0	14	0	0	0	0	0	0	17	0
	0830	,,	1018·1	982·9	..	9·8	6·0	0·4	6·3	54	..	1·6	..	5·9	0	0	22	0	17	5	0	0	0	0	0	9	0
	1130	,,	1018·4	984·1	..	17·3	10·1	0·7	6·4	33	..	1·5	..	4·5	0	1	17	2	2	0	1	5	0	6	2	13	0
	1730	,,	1015·5	981·4	..	18·3	11·4	3·6	7·9	39	..	1·5	..	1·3	0	0	7	0	0	1	0	0	0	5	1	24	0
	2330	,,	1017·5	982·5	..	10·3	6·9	1·7	6·9	56	..	1·0	..	2·1	0	0	8	0	7	0	1	0	0	0	0	23	0
Rajasthan (West)—Ganganagar	0530	177	1016·7	995·3	..	6·2	4·6	2·3	7·2	77	..	0	..	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	0830	,,	1018·3	996·6	—0·6	6·2	4·5	2·1	7·1	76	—3	0·2	—1·8	0·4	0	0	2	0	0	0	0	0	1	1	0	29	0
	1130	,,	1018·4	997·8	..	18·5	11·1	2·4	7·3	35	..	0·2	..	0·8	0	0	6	0	2	1	2	0	1	0	0	25	0
	1730	,,	1015·1	994·7	..	20·3	12·3	3·5	7·9	34	..	0·2	..	0·1	0	0	1	0	0	1	0	0	0	0	0	30	0
	2330	,,	1017·3	996·1	..	9·7	6·8	3·0	7·6	64	..	0	..	0·1	0	0	2	0	2	0	0	0	0	0	0	29	0
Anupgarh (R)	0830	154																									
(R)	1730	,,																									
Mahajan	0830	187	1017·3	994·7	..	8·9	5·7	0·9	6·5	59	..	0·2	..	(c) 3·1	0	0	28	4	7	2	3	3	4	2	3	0	0
	1730	,,	1013·5	992·2	..	19·5	12·8	5·4	9·0	41	..	0	..	(e) 2·7	0	0	26	7	3	2	1	2	2	4	5	0	0
Churu	0830	291	1015·0	979·9	..	7·5	3·5	—3·2	4·7	48	..	0·7	..	1·2	0	0	10	0	1	2	2	2	1	2	0	21	0
	1730	,,	1010·7	977·4	..	21·3	11·0	—3·8	4·5	19	..	0·7	..	3·8	0	0	25	14	3	2	0	1	0	3	2	6	0
Bikaner	0830	224	1018·9	991·7	—0·2	7·5	3·4	—4·3	4·3	44	—12	0·1	—1·7	2·1	0	0	17	0	4	6	2	0	1	3	1	14	0
	1730	,,	1014·8	989·0	..	21·5	11·5	—2·3	5·0	22	..	0·1	..	6·1	0	0	29	9	11	2	1	0	0	2	4	2	0
Bikaner (P.B.O.)	0530	224	1017·1	989·8	..	4·6	2·0	—2·6	4·9	60	..	0·2	..	0·3	0	0	1	1	0	0	0	0	0	0	0	30	0
	1130	,,	1017·9	991·9	..	19·6	10·5	—1·8	5·3	24	..	0·6	..	4·1	0	0	26	1	10	2	5	3	0	2	3	5	0
	2330	,,	1017·4	990·5	..	9·6	5·4	—0·9	5·7	48	..	0·5	..	1·6	0	0	5	0	3	0	0	0	0	0	2	26	0
Nagaur	0830	298	1018·2	983·2	..	16·4	10·0	3·0	7·6	36	..	0	..	6·2	0	0	31	6	9	9	4	1	1	0	1	0	0
	1730	,,	1014·0	979·8	..	22·5	13·9	5·9	9·3	33	..	0·7	..	5·5	0	0	31	13	7	1	0	1	1	2	6	0	0
Phalodi	0830	234	1018·2	990·1	..	9·6	4·8	—4·0	4·4	39	..	0·4	..	2·7	0	0	16	4	2	1	5	1	1	0	2	15	0
	1730	,,	1015·3	988·5	..	22·6	12·3	—0·7	6·4	22	..	0·6	..	11·9	0	3	26	14	8	2	0	0	0	2	3	2	0
Jaisalmer	0830	242	1017·7	988·5	..	10·2	6·2	0·5	6·3	52	..	1·0	..	3·9	0	0	19	8	6	1	0	3	0	1	0	12	0
	1730	,,	1013·8	985·9	..	22·7	15·3	9·2	11·6	44	..	1·4	..	8·4	0	0	30	14	10	1	0	1	1	1	2	1	0
Jodhpur	0230	224	1015·3	989·1	..	16·9	9·7	0·1	6·1	33	..	0·1	..	1·8	0	2	29	7	23	0	0	0	0	0	0	0	1
	0530	,,	1015·4	989·2	..	15·9	8·7	—1·2	5·5	31	..	0·1	..	11·0	0	0	31	7	24	0	0	0	0	0	0	0	0
	0830	,,	1017·4	990·7	+0·2	11·8	6·6	—1·5	5·4	40	—10	0·7	—0·1	10·4	0	0	30	6	23	1	0	0	0	0	0	1	0
	1130	,,	1017·2	991·2	..	20·6	11·9	1·3	6·7	29	..	0·5	..	12·6	0	4	26	4	19	6	1	0	0	0	0	1	0
	1430	,,	1014·1	988·3	..	23·1	12·7	—0·4	5·9	23	..	0·6	..	12·2	0	2	29	6	16	1	1	0	2	2	2	0	1
	1730	,,	1013·6	988·0	..	24·1	13.6	1·6	6·9	24	..	1·0	..	9·1	0	0	29	7	13	4	0	0	0	5	0	2	0
	2030	,,	1015·2	989·3	..	20·4	11·4	0·0	6·1	27	..	0·6	..	9·1	0	0	29	8	16	2	0	0	0	3	0	2	0
	2330	,,	1015·8	989·7	..	18·8	10·5	—0·3	6·0	28	..	0·2	..	10·6	0	0	30	10	18	1	0	0	0	0	1	1	0
Barmer	0530	194	1014·9	991·8	..	12·0	8·5	4·3	8·3	61	..	0	..	4·0	0	0	27	11	0	0	0	0	0	2	14	4	0
	0830	,,	1016·7	993·8	—0·5	12·0	8·7	4·7	8·5	62	+9	0·3	—1·3	3·2	0	0	29	14	0	0	0	0	0	3	12	2	0
	1130	,,	1016·8	994·2	..	20·0	14·7	9·8	12·1	55	..	0·2	..	6·0	0	0	29	3	8	0	0	1	0	2	5	2	10
	1730	,,	1012·9	990.7	..	23·8	18·0	12·2	14·2	52	..	0·9	..	5·3	0	0	26	12	5	1	0	1	0	1	6	5	0
	2330	,,	1015·6	992·6	..	15·2	10·9	6·1	9·4	57	..	0	..	5·5	0	0	26	3	1	0	0	1	0	2	19	5	0
Erinpura (Jawi Dam)	0830	295	1016·0	980·8	..	10·3	7·7	4·5	8·4	68	..	0·4	..	2·4	0	1	13	4	0	0	7	1	0	1	1	17	0
	1730	,,	1012·4	978·2	..	22·7	15·3	9·1	11·5	43	..	0·5	..	1·4	0	0	16	9	2	0	0	0	2	2	1	15	0
Munabao (R)	0830	,,																									
(R)	1730	,,																									

(c) Mean of 28 days. (e) Mean of 26 days. (R) Register not received.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres.	Mean pressure in millibars: At mean sea level or height in g. p. m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (km.ph.): 62 or more	Wind speed (km.ph.): 20 to 61	Wind speed (km.ph.): 1 to 19	No. of observations, Wind directions: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Rajasthan East—(Contd.)																											
Pilani	0830	301	1019·5	983·2	..	7·6	4·0	—1·9	5·2	52	..	0·9	..	5·7	0	0	30	0	0	3	6	10	9	2	0	1	0
	1730	,,	1015·3	980·7	..	20·2	11·1	—1·0	5·6	25	..	0·8	..	4·9	0	0	30	9	6	2	1	0	0	2	10	1	0
Sikar	0830	433	1018·2	967·4	..	9·4	5·7	0·3	6·2	53	..	0·4	..	0·5	0	0	7	1	1	0	2	0	1	0	2	24	0
	1730	,,	1014·0	964·9	..	21·1	12·5	2·9	7·5	28	..	0·4	..	1·3	0	0	19	0	0	0	0	0	0	8	11	12	0
Alwar	0230	271	1018·2	986·3	..	9·5	7·6	4·9	8·7	74	..	1·3	..	0·1	0	0	2	0	1	0	1	0	0	0	0	29	0
	0530	,,	1015·1	983·7	..	19·8	14·1	8·6	11·2	49	..	1·0	..	0·2	0	0	3	0	1	0	0	0	0	0	2	28	0
Jaipur (Sanganer)	0830	390	1015·9	969·9	..	11·2	7·0	1·4	6·8	52	..	0·2	..	0·3	0	0	14	2	3	7	1	0	0	0	1	17	0
	1130	,,	1016·1	969·8	..	9·4	6·1	1·5	6·8	59	..	0·3	..	3·0	0	2	10	3	1	7	1	0	0	0	0	19	0
	1430	,,	1017·7	971·7	—1·4	12·0	7·5	1·4	6·8	50	—5	0·9	—0.6	3·4	0	0	15	2	1	10	1	0	0	0	1	16	0
	1730	,,	1016·7	972·1	..	20·7	12·0	1·9	7·0	29	..	0·7	..	6·6	0	1	24	0	0	13	8	1	0	1	2	6	0
	2030	,,	1013·5	969·4	..	23·4	13·2	1·8	6·9	25	..	0·6	..	5·1	0	2	15	2	0	3	3	1	1	3	4	14	0
	2330	,,	1013·5	969·1	..	21·2	12·4	2·1	7·1	29	..	0·6	..	2·9	0	0	20	2	0	5	4	0	0	1	8	11	0
	0830	,,	1015·8	970·4	..	14·9	9·2	1·8	6·9	42	..	0·3	..	4·2	0	0	19	4	0	13	1	0	0	0	1	12	0
	1730	,,	1016·3	970·5	..	13·0	8·0	1·3	6·7	45	..	0·1	..	3·7	0	0	18	3	3	11	0	0	0	0	1	13	0
Dholpur	0830	176	1017·7	996·6	..	11·1	7·8	4·4	8·4	64	..	1·0	..	(a) 0·0	0	0	4	0	0	0	1	0	0	1	2	26	0
	1730	,,	1014·2	994·1	..	20·0	13·1	6·8	9·9	42	..	0·7	..	(a) 0·1	0	0	1	1	0	0	0	0	0	0	0	29	0
Ajmer	0830	486	1018·5	961·3	—1·2	10·3	6·2	0·9	6·5	53	—4	0·9	—0·5	2·2	0	0	21	3	5	2	1	0	1	1	8	10	0
	1730	,,	1013·6	958·6	..	21·2	12·1	1·4	6·8	27	..	0·7	..	2·5	0	0	24	5	8	3	2	1	0	0	5	7	0
Tonk	0830	272	1017·3	984·8	..	11·0	7·7	3·4	7·8	0	..	0·9	..	6·1	0	0	31	2	3	2	5	0	0	4	15	0	0
	1730	,,	1012·6	981·5	..	22·1	15·1	8·9	11·4	42	..	0·8	..	3·7	0	0	31	1	8	7	2	1	0	5	7	0	0
Bhilwara	0830	425	1018·1	968·2	..	11·8	7·3	1·3	6·7	49	..	1·0	..	3·5	0	0	19	8	6	1	0	0	0	0	4	12	0
	1730	,,	1013·5	965·6	..	22·7	13·3	3·1	7·6	28	..	0·6	..	5·0	0	0	28	7	10	8	0	1	1	0	1	3	0
Kota	0530	257	1017·2	986·9	—1·4	14·1	9·9	5·2	8·8	56	—1	1·6	+0·2	2·1	0	0	12	3	1	0	2	0	1	3	2	19	0
	0830	,,	1013·4	983·9	..	22·2	14·7	7·7	10·5	40	..	1·2	..	1·3	0	0	15	1	6	4	2	0	0	0	2	16	0
Kota (Aerodrome)	1130	274	1015·5	983·1	..	12·3	7·9	1·8	6·9	52	..	0·4	..	5·4	0	0	29	6	1	3	1	2	2	11	3	2	0
	1730	,,	1017·5	985·2	..	14·1	8·6	1·5	6·8	42	..	0·9	..	3·4	0	0	19	1	3	4	0	0	2	9	0	12	0
	2330	,,	1017·3	985·7	..	20·0	11·9	2·6	7·4	33	..	0·7	..	5·6	0	0	30	6	3	14	2	0	0	2	3	1	0
	0830	,	1013·5	982·3	..	23·2	13·4	2·7	7·4	26	..	0·9	..	4·7	0	0	27	8	4	12	0	0	1	0	2	4	0
	1730	,,	1016·5	984·0	..	15·7	9·4	1·1	6·6	39	..	0·5	..	7·0	0	0	30	2	2	10	0	3	7	4	2	1	0
Chambal (Rawat Bhatta Dam)	0830	351	1016·0	974·9	..	13·6	9·7	5·1	8·8	57	..	0·6	..	0·8	0	0	9	2	1	0	1	0	1	1	3	22	0
	1730	,,	1011·5	971·8	..	23·6	14·3	5·4	9·0	32	..	0·7	..	4·3	0	0	31	4	13	4	3	2	2	0	3	0	0
Udaipur	0230	582	1016·4	948·5	..	10·8	8·4	5·9	9·3	73	..	0·2	..	0·1	0	0	1	0	0	0	0	0	0	0	1	30	0
	0530	,,	1016·6	948·8	..	9·1	7·3	5·3	8·9	77	..	0·1	..	0·3	0	0	2	0	0	0	0	0	0	1	1	29	0
	0830	,,	1017·5	950·2	—1·1	12·4	8·7	4·8	8·6	60	+2	0·8	—0·2	0·1	0	0	1	0	1	0	0	0	0	0	0	30	0
	1130	,,	1015·7	950·8	..	22·2	13·8	6·6	9·7	37	..	0·6	..	2·0	0	0	15	0	7	5	2	0	0	0	1	16	0
	1730	,,	1012·3	947·4	..	22·7	14·8	8·3	11·1	40	..	0·8	..	1·7	0	0	13	0	5	2	1	0	3	1	1	18	0
	2330	,,	1016·7	949·3	..	12·0	9·3	6·4	9·7	69	..	0·3	..	0·3	0	0	2	1	0	0	0	0	0	0	1	29	0
Jhalawar	0830	321	1017·0	978·9	—1·7	13·3	9·2	4·6	8·5	54	—9	1·0	—0·5	0·7	0	0	5	2	1	0	0	0	0	1	1	26	0
	1730	,,	1012·5	976·2	..	24·5	14·6	4·8	8·6	26	..	0·8	..	3·3	0	0	23	9	9	2	1	1	0	0	1	8	0
Banaswar	0830	220	1013·2	987·7	..	19·1	12·3	4·8	8·6	39	..	0·6	..	5·7	0	0	28	3	7	8	10	0	0	0	0	3	0
	1730	,,	1009·0	984·2	..	26·6	16·2	6·1	9·4	27	..	0·9	..	3·7	0	0	27	4	2	3	3	0	2	5	8	4	0
Madhya Pradesh (West)																											
Gwalior	0230	207	1016·4	991·4	..	8·7	6·4	3·5	7·8	71	..	0·6	..	0·7	0	0	4	0	1	0	0		0	0	1	27	0
	0530	,,	1016·5	991·4	..	7·3	5 5	3·0	7·6	75	..	0·3	..	0·5	0	0	3	0	1	0	0	1	0	0	1	23	0
	0830	,,	1018·0	993·3	—0·2	12·4	8·5	3·7	7·9	56	—5	1·1	—0·2	1·2	0	0	8	0	2	0	1	4	0	0	1	23	0
	1130	,,	1017·4	993·5	..	21·1	13·0	4·5	8·4	34	..	1·0	..	6·3	0	0	30	7	4	8	5	1	1	1	3	1	0
	1430	,,	1014·5	990·8	..	23·3	14·0	4·4	8·5	30	..	1·0	..	7·0	0	0	28	10	6	1	4	1	1	1	4	3	0
	1730	,,	1014·5	990·6	..	20·5	13·4	6·5	9·7	40	..	1·2	..	3·1	0	0	21	6	7	2	3	0	0	0	3	10	0
	2030	,,	1016·5	991·8	..	12·5	9·0	4·9	8·7	60	..	0·5	..	0·4	0	0	2	1	0	0	1	0	0	0	0	29	0
	2330	,,	1016·9	992·0	..	9·8	7·2	3·8	8·1	66	..	0·3	..	0·8	0	0	4	0	0	0	2	1	0	0	1	27	0
Sheopur	0830	235	1017·8	989 9	—0·7	12·5	8·5	3·7	7·9	55	—15	1·1	—0·9	2·6	0	0	22	9	0	3	1	5	0	3	1	9	0
	1730	,,	1013·5	986·8	..	23·4	14·3	5·2	9·0	31	..	1·2	..	5·7	0	0	29	17	6	3	0	0	0	3	0	2	0
Shivpuri	0830	464	1017·7	963·6	..	13·6	9·2	4·6	8·5	56	..	1·4	..	2·7	0	0	16	1	2	7	5	1	0	0	0	15	0
	1730	,,	1013·6	961.0	..	20·8	12·2	3·5	8·0	53	..	1·3	..	5·3	0	0	26	3	13	4	1	1	0	1	3	5	0
Nowgong	0830	229	1018·3	991·0	—0·7	11·2	9·3	7·2	10·2	77	+1	1·7	+0·2	1·3	0	0	15	0	0	3	1	4	6	1	0	16	0
	1730	,,	1014·1	987·9	..	22·3	14·4	6·5	10·0	38	..	1·7	..	1·5	0	0	20	4	10	3	1	0	0	0	2	11	0

(a) = 30 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km. p.h.): 62 or more	Wind speed (km. p.h.): 20 to 61	Wind speed (km. p.h.): 1 to 19	No. of observations, Wind directions: N	NE	E	SE	S	SW	W	NW	Calm	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh West—(*Contd.*)																											
Guna	0530	478	1016·4	960·0	—	9·7	7·2	4·5	8·4	71	..	0·8	..	5·2	0	0	22	0	6	4	11	0	0	1	0	9	0
	0830	,,	1017·6	962·0	−0·9	13·9	10·0	6·0	9·5	58	−8	1·4	0·0	5·5	0	0	26	28	3	5	14	2	0	0	0	5	0
	1130	,,	1015·9	962·0	..	23·0	14·3	6·6	9·9	36	..	1·5	..	9·2	0	0	31	1	6	7	8	3	3	2	1	0	0
	1730	,,	1013·0	959·2	..	22·4	13·9	6·3	9·7	36	..	2·0	..	7·4	0	0	31	5	9	6	3	0	0	3	5	0	0
	2330	,,	1016·8	961·0	..	12·9	9·0	4·8	8·7	59	..	1·7	..	5·0	0	0	20	3	2	8	6	0	0	1	0	11	0
Nimuch	0830	496	1017·5	960·0	−1·1	14·2	8·7	2·3	7·3	45	−8	0·7	−0·7	4·0	0	0	23	2	12	6	0	0	0	0	0	8	3
	1730	,,	1012·7	957·3	..	24·3	13·5	2·9	7·6	26	..	0·3	..	5·5	0	0	25	0	12	3	1	0	1	1	1	6	6
Rajgadh	0830	382	1017·4	972·4	..	12·3	8·5	3·6	8·0	57	..	1·8	..	2·1	0	0	18	0	3	3	8	3	0	1	0	13	0
	1730	,,	1012·2	969·3	..	25·0	14·4	2·6	7·9	25	..	1·5	..	8·7	0	1	30	11	7	4	5	1	0	0	3	0	0
Sagar	0830	551	1017·1	953·8	−0·9	15·9	10·6	5·3	9·0	51	+1	1·8	+0·4	3·9	0	0	22	0	1	7	1	0	3	8	2	9	0
	1730	,,	1013·3	951·2	..	20·9	13·0	5·7	9·3	38	..	2·3	..	1·8	0	0	17	0	3	7	2	0	0	3	2	14	0
Ratlam	0830	486	1016·4	960·3	−1·1	16·0	10·6	5·0	8·9	49	−15	1·9	0·0	10·9	0	3	28	2	15	13	1	0	0	0	0	0	0
	1730	,,	1011·2	957·2	..	25·8	16·2	8·5	11·4	35	..	2·1	..	8·5	0	2	28	5	8	8	0	3	2	1	3	1	0
Bhopal	0230	523	1014·8	954·4	..	14·5	10·9	7·5	10·4	65	..	1·5	..	7·4	0	0	28	9	8	5	5	1	0	0	0	3	0
(Bairagarh)	0530	,,	1015·2	954·5	..	13·4	10·2	7·0	10·1	67	..	1·8	..	5·3	0	0	21	6	7	4	4	0	0	0	0	10	0
	0830	,,	1016·7	956·4	−1·5	15·8	11·8	8·3	10·9	62	+2	2·5	+0·8	6·5	0	0	20	2	5	9	3	1	0	0	0	11	0
	1130	,,	1015·4	956·5	..	21·9	15·3	10·3	12·6	50	..	2·4	..	9·5	0	0	28	1	6	11	7	1	2	0	0	3	0
	1430	,,	1012·2	953·9	..	24·5	16·3	10·2	12·4	43	..	2·2	..	8·6	0	0	28	4	7	4	7	1	2	1	2	3	0
	1730	,,	1012·5	953·8	..	22·5	15·3	10·0	12·6	47	..	2·5	..	6·0	0	0	25	3	10	5	4	0	1	0	2	6	0
	2030	,,	1015·2	955·4	..	18·3	13·2	8·9	11·3	55	..	1·8	..	7·1	0	0	24	3	12	5	3	1	0	0	0	7	0
	2330	,,	1015·4	955·4	..	16·4	12·0	8·1	10·9	60	..	1·5	..	5·9	0	0	23	3	10	5	5	0	0	0	0	8	0
Ujjain	0830	489	1016·8	960·0	..	14·4	10·1	8·7	9·2	57	..	2·5	..	2·2	0	1	10	1	2	3	1	1	0	0	0	20	3
	1730	,,	1012·0	957·3	..	24·3	15·2	7·7	10·6	36	..	2·7	..	5·7	0	0	21	2	3	6	4	0	0	3	3	10	0
Narsinghpur	0830	356	1017·4	975·7	..	14·5	10·2	5·9	9·0	60	..	3·0	..	2·0	0	0	27	0	20	1	4	0	1	0	1	4	0
	1730	,,	1012·5	972·4	..	23.4	15·3	7·8	10·9	40	..	2·8	..	1·5	0	0	20	0	14	0	2	0	2	0	2	11	0
Hoshangabad	0830	302	1017·3	981·8	−1·3	14·8	12·3	9·9	12·3	73	+13	2·5	+1·1	4·5	0	0	31		16	13	2	0	0	0	0	0	0
	1730	,,	1012·6	978·4	..	24·0	17·8	13·2	15·4	53	..	1·4	..	2·4	0	0	31	1	10	6	2	11	1	0	0	0	0
Indore	0530	567	1014·8	949·1	..	12·5	8·6	7·5	8·4	60	..	1·4	..	6·3	0	0	24	2	9	7	1	2	2	0	1	7	0
	0830	,,	1016·3	951·1	−1·6	15·6	10·6	5·1	9·1	53	+1	2·2	+0·8	5·7	0	0	20	0	4	9	3	1	2	0	1	11	0
	1130	,,	1014·3	951·1	..	23·7	14·3	6·1	9·4	34	..	1·8	..	12·3	0	6	23	2	3	11	3	7	2	0	0	2	1
	1730	,,	1011·3	948·4	..	24·4	14·5	7·0	9·3	32	..	2·4	..	10·7	0	4	26	4	9	7	0	3	5	2	0	1	0
	2330	,,	1015·0	950·0	..	15·5	10·4	8·8	8·9	52	..	1·3	..	6·3	0	0	22	3	6	6	2	2	3	0	0	9	0
Rajpur (Zabua)	0830	293	1016·1	981·8	..	15·5	10·9	5·8	9·3	54	..	2·3	..	2·6	0	0	16	0	1	15	0	0	0	0	0	15	0
	1730	,,	1011·2	978·4	..	27·5	16·9	7·5	10·7	31	..	2·0	..	2·3	0	0	19	2	1	10	0	0	0	5	1	12	0
Chhindwara	0830	685	1017·2	938·7	−0·9	13·3	9·3	5·1	8·8	59	−6	3·1	+1·7	1·3	0	0	7	3	3	1	0	0	0	0	0	24	0
	1730	,,	1011·1	935·4	..	23·9	14·5	6·1	9·7	33	..	2·5	..	5·0	0	0	21	6	1	8	1	0	0	3	2	10	0
Seoni	0830	619	1016·9	946·1	−0·9	15·7	11·7	8·0	10·9	61	+1	3·2	+1·8	3·4	0	0	22	6	7	6	0	0	1	0	2	9	0
	1730	,,	1011·9	943·2	..	23·3	15·3	8·8	11·5	42	..	2·5	..	5·8	0	0	30	9	8	10	2	0	1	0	0	1	0
Betul	0830	653	1016·5	941·9	−1·4	16·0	11·0	5·8	9·5	53	−11	2·8	+1·3	2·8	0	0	24	0	3	14	6	0	0	0	0	7	1
	1730	,,	1011·4	939·1	..	23·3	14·2	5·9	9·6	35	..	2·3	..	4·2	0	0	31	12	12	3	1	0	1	0	2	0	0
Khandwa	0830	318	1016·1	979·1	−1·3	16·1	12·4	8·7	11·4	63	+3	2·9	+1·5	1·9	0	0	22	0	15	4	2	0	1	0	0	9	0
	1730	,,	1011·4	975·7	..	26·6	17·2	9·3	12·0	36	..	2·4	..	3·8	0	0	31	0	23	2	2	1	1	0	2	0	0
Madhya Pradesh (East)																											
Satna	0530	317	1016·4	978·6	..	9·6	8·2	6·6	9·7	81	..	1·3	..	0·8	0	0	4	0	1	0	2	0	1	0	0	27	0
	0830	,,	1018·0	980·7	−0·6	13·8	10·5	6·8	10·0	64	−2	1·7	+0·3	0·9	0	0	11	0	0	4	1	1	0	5	0	20	0
	1130	,,	1016·8	980·3	..	21·0	13·4	5·5	9·3	39	..	1·8	..	5·6	0	0	28	3	1	11	4	2	2	2	3	3	0
	1730	,,	1014·1	977·7	..	20·4	13·9	7·7	10·5	47	..	1·9	..	1·5	0	0	14	6	1	4	0	0	0	0	3	17	0
	2330	,,	1016·6	979·2	..	13·3	10·3	7·1	10·1	67	..	1·5	..	2·1	0	0	12	0	0	2	0	1	3	5	1	19	0
Rewa	0830	299	1018·1	982·7	..	12·8	10·4	7·9	10·7	73	..	1·4	..	1·9	0	0	25	2	3	1	1	1	9	5	3	6	0
	1730	,,	1013·9	979·6	..	21·3	15·2	10·1	12·3	49	..	1·9	..	1·8	0	0	24	10	6	1	0	0	0	2	5	7	0
Sidhi	0830	272**	1017·0	984·9	..	12·1	9·7	7·2	10·1	73	..	..	..	1·0	0	0	15	2	0	4	1	8	0	0	0	16	0
	1730	,,	1013·2	982·1	..	21·8	14·5	7·8	10·7	42	..	..	..	1·2	0	0	19	14	2	2	0	1	0	0	0	12	0
Umaria	0830	459	1018·1	964·4	..	13·3	10·1	7·0	10·1	66	−1	2·6	+0·8	1·2	0	0	15	1	4	5	4	1	0	0	0	16	0
	1730	,,	1013·5	961·5	..	20·8	14·3	8·9	11·5	48	..	2·2	..	1·3	0	0	20	8	6	1	0	0	0	2	3	11	0
Jabalpur	0530	393	1016·3	969·9	..	10·0	8·5	6·7	9·9	81	..	1·6	..	1·5	0	0	12	1	2	1	7	0	0	1	0	19	0
	0830	,,	1017·9	972·0	−0·4	14·1	10·6	6·9	9·9	62	−11	2·3	+1·0	2·4	0	0	22	4	2	2	8	5	0	0	1	9	0
	1130	,,	1016·0	971·4	..	22·1	14·6	7·5	10·6	4	..	2·2	..	5·0	0	0	29	5	10	4	6	2	0	1	1	2	0

**Pendulum clock stopped.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (Km. p. h.): 62 or more.	Wind speed (Km. p. h.): 20 to 61	Wind speed (Km. p. h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Pradesh (East)—(*Contd.*)																											
Jabalpur—(contd.)	1430	393	1012·6	968·6	..	24·9	15·5	6·6	10·0	33	..	2·1	..	5·4	0	0	29	11	10	1	1	0	2	3	1	2	0
	1730	,,	1013·2	968·7	..	21·8	15·0	9·0	11·5	46	..	2·4	..	3·2	0	0	25	11	11	2	0	0	0	0	1	6	0
	2330	,,	1016·2	970·3	..	13·2	10·8	8 5	11·0	74	..	1·8	..	1·2	0	0	8	2	3	1	2	0	0	0	0	23	0
Ambikapur . .	0830	611	1017·9	947·4	−1·0	13·6	10·8	8·3	10·9	71	−4	1·7	+0·8	2·8	0	0	19	5	6	2	0	2	4	0	0	12	0
	1730	,,	1013·0	944·3	..	19·9	13·3	7·5	10·5	46	..	2·2	..	5·4	0	0	27	22	3	0	0	0	0	0	2	4	0
Jashpur Nagar .	0830	779	1016.6	928·2	..	14·9	11·0	7·3	10·4	62	..	1.6	..	1·0	0	0	15	1	12	1	1	0	0	0	0	16	0
	1730	,,	1012.0	925.5	..	19.7	13.0	6.9	10.1	44	..	1.4	..	0.9	0	0	14	4	3	1	1	0	0	4	0	17	1
Pendra . .	0530	625	1016.4	944.1	..	11.9	9.0	5.9	9.4	67	..	2.0	..	2.5	0	0	20	13	1	0	0	1	0	1	4	11	0
	0830	,,	1017.5	946.1	−0·8	15.6	11.1	6.7	9.9	57	−7	2.5	+0·9	2.7	0	0	21	15	2	0	0	1	1	0	2	10	0
	1130	,,	1015.5	945.5	..	21.9	15.4	6.2	9.2	40	..	2.3	..	6.2	0	0	29	16	6	0	0	2	2	0	3	2	0
	1430	,,	1012.3	942.9	..	23.1	13.6	5·1	8.7	33	..	2.5	..	7.6	0	1	27	15	2	1	1	3	0	1	5	3	10
	1730	,,	1013.2	943.1	..	20.1	13.1	6.5	9.9	43	..	2.3	..	2.9	0	0	21	15	2	1	0	2	0	0	1	10	0
	2330	,,	1016 4	944.6	..	14.0	10.1	5.9	9.5	59	..	1.6	..	2·7	0	0	22	12	0	0	0	1	1	2	6	9	0
Mandla . .	0830	443	1017.8	966.0	−1·2	13.0	10.3	7.3	10.4	69	−15	2.6	+1·1	0·4	0	0	2	1	0	0	0	1	0	0	0	29	0
	1730	,,	1012.2	962.4	..	22.7	14.5	6.1	9.9	36	..	1.9	..	1.1	0	0	7	4	0	0	0	0	0	0	3	24	0
Champa . .	0830	245	1017.0	988.3	−0.9	16.1	12.6	9.3	11.8	64	−6	3.0	+1.3	3.0	0	0	28	25	2	1	0	0	0	0	0	3	0
	1730	,,	1012.7	984.9	..	24.3	16.4	9.6	12.3	40	..	3.0	..	2.6	0	0	25	18	0	2	1	0	0	0	4	6	0
Raigarh . .	0830	220	1017.0	991.4	−0·7	18.2	13.2	8.4	11.1	53	−11	3.1	+1·7	3.5	0	0	31	3	27	1	0	0	0	0	0	0	0
	1730	,,	1012.3	987.2	..	24.1	16.2	9.5	12.0	40	..	2.9	..	1.1	0	0	16	9	6	0	0	0	0	0	1	15	0
Raipur . .	0530	298	1014.9	979.9	..	14.3	11.3	8.3	10.9	67	..	1.6	..	2.5	0	0	16	8	7	1	0	0	0	0	0	15	0
	0830	,,	1016.9	982.2	−0·9	17.5	12.9	8.4	11.1	56	−8	2.2	+1·0	4.1	0	0	25	7	16	1	0	1	0	0	0	6	0
	1130	,,	1015.3	981.5	..	24.6	15.7	7.6	10.4	35	..	2.2	..	5.4	0	0	27	5	14	4	0	0	1	0	2	4	1
	1430	,,	1012.0	978.6	..	26.9	16.5	6.8	9.9	29	..	2·2	..	5·5	0	0	27	7	11	4	1	0	0	1	3	4	0
	1730	,,	1012.3	978.7	..	24.6	15·9	8.0	11.0	35	..	2.3	..	3.6	0	0	22	7	12	1	0	1	0	1	0	9	0
	2330	,,	1014.7	980.2	..	18.3	13.2	8.4	11.0	54	..	1.9	..	3.9	0	0	26	1	7	16	1	1	0	0	0	5	0
Kanker . .	0830	402	1016.6	970.2	−1·0	16.6	12.9	9.5	11.9	63	−12	2.6	+0 9	0.5	0	0	7	0	2	1	1	1	1	1	0	24	0
	1730	,,	1011.4	966.6	..	25.3	16·2	8.2	11.0	35	..	3.2	..	1.7	0	0	21	11	7	1	0	0	0	1	1	10	0
Jagdalpur . .	0530	553	1014.2	950.6	..	13.9	12.1	10.6	12.8	81	..	3.0	..	0.6	0	0	4	0	4	0	0	0	0	0	0	27	0
	0830	,,	1015.7	952.8	−1.3	17.7	13.7	10 4	12.8	63	−18	3.5	+1·3	2.1	0	0	12	4	6	1	0	0	1	0	0	19	0
	1130	,,	1013.1	952.0	..	25.3	16.2	9.1	11.8	36	..	3.0	..	7.7	0	1	26	6	16	1	1	0	2	1	0	4	0
	1730	,,	1010.7	949.5	..	24.5	16.4	10.7	12.8	42	..	4.1	..	2.6	0	0	19	6	10	0	1	0	1	0	1	12	0
	2330	,,	1014.1	951.3	..	17.0	13.5	10.8	13.0	67	..	2.0	..	2.3	0	0	12	0	8	4	0	0	0	0	0	19	0
Gujarat Region including Daman, Dadara and Nagar Haveli																											
Deesa . . .	0830	136	1016.2	1000.0	−0·9	14.5	8.6	0.6	6.8	40	..	0.2	..	7.4	0	1	28	0	24	5	0	0	0	0	0	2	0
	1730	,,	1012.1	996.7	..	26.7	14.6	1.3	6.9	20	..	0.6	..	7.4	0	0	29	1	8	1	0	2	1	2	14	2	0
Radhanpur . .	0830	30	*	..	..	14.0	10.5	6.7	9.9	62	..	0.0	..	3.1	0	0	24	14	5	1	0	0	0	0	4	7	0
	1730	,,	*	..	..	26.3	18.5	12.3	15.0	44	..	0.0	..	3.7	0	0	24	7	5	0	0	0	0	0	12	7	0
Idar . . .	0830	219	1015.2	989.9	..	20.5	12.0	1.8	7.2	31	..	0.6	..	4.8	0	0	29	4	19	4	0	0	1	0	1	2	0
	1730	,,	1011.8	987.1	..	26.8	16.0	5.8	9.5	27	..	1.3	..	2.2	0	0	18	2	2	3	1	0	0	7	3	13	0
Ahmedabad . .	0230	55	1013.2	1006.7	..	16.2	11.3	6.0	9.4	52	..	0.4	..	7.9	0	0	29	7	14	3	0	0	0	0	5	2	0
	0530	,,	1013.2	1006.7	..	14.8	10.2	5.1	8.8	53	..	0.3	..	7.7	0	1	29	3	19	5	1	0	0	0	2	1	0
	0830	,,	1015.1	1008.5	−1·8	17.1	11.2	4·7	8.5	45	−15	1.1	+0·1	9.0	0	1	27	3	12	13	0	0	0	0	0	3	0
	1130	,,	1015.2	1008.9	..	26.0	15.8	6·4	9.7	29	..	1.1	..	14.9	0	5	26	3	9	14	5	0	0	0	0	0	0
	1430	,,	1012.1	1005.9	..	29.5	17.2	6.4	9.7	24	..	1.0	..	10.3	0	2	28	6	10	7	1	0	1	2	3	1	0
	1730	,,	1011.7	1005.5	..	28.2	16.8	6.6	9.9	26	..	1.2	..	10.9	0	1	30	7	6	6	1	1	0	1	9	0	0
	2030	,,	1013.4	1007.0	..	20.9	14.0	7.5	10.4	43	..	0.6	..	5.7	0	0	23	9	6	1	1	0	0	0	6	8	0
	2330	,,	1013.9	1007.4	..	18.0	12.3	6.4	9.7	47	..	0.4	..	5.2	0	0	22	11	5	1	0	0	0	0	5	9	0
Dohad . .	0830	339	1015.7	977.0	−1·4	17.0	10.9	3.6	8.1	42	−18	1.9	+0·5	5.2	0	0	29	0	6	16	3	2	2	0	0	2	0
	1730	,,	1011.4	974.2	..	27.6	15.9	3.9	8.6	25	..	1.2	..	6.3	0	0	31	5	7	2	7	0	6	1	3	0	0
Vallabh Vidyanagar	0830	44	1014.7	1009.6	..	15.8	11.5	7.1	10.1	56	..	1.2	..	6·5	0	1	26	7	18	1	0	0	1	0	0	4	0
	1730	,,	1011.1	1006.2	..	28.9	18.2	9.4	12.2	36	..	1.7	..	4.6	0	0	26	9	9	0	0	1	2	1	4	5	0
Baroda Aerodrome	0830	38	1014.4	1009.9	..	17.9	12.8	7.7	10.7	53	..	1.1	..	12.4	0	4	25	15	10	0	1	1	0	0	2	2	0
	1130	,,	1014.4	1010.1	..	27.7	17.7	9.4	12.1	33	..	1.0	..	13.5	0	7	22	6	12	6	4	1	0	0	0	2	0
	1730	,,	1011.0	1006.7	..	28.7	18.6	10.7	13.2	35	..	1.3	..	10	0	3	26	3	2	3	0	0	1	2	18	2	0
Baroda .	0530	34	1012.7	1008.6	..	15.9	12.8	8.6	11.4	63	..	0.5	..	1.	0	0	16	1	12	2	0	0	0	0	1	15	0
	0830	,,	1014.7	1010.5	−1·4	16.5	12.4	8.2	11.1	59	−14	1.1	+0·1	2.8	0	0	21	0	19	2	0	0	0	0	0	10	0
	1130	,,	1014.8	1010.8	..	28.5	18.4	10.3	12.9	34	..	0.8	..	3.9		0	25		1	6	1	0	1	0	0	6	0

*Presence data of Radhanuper are doubtful and hence rejected.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (Km. p. h.): 62 or more	Wind speed (Km. p. h.): 20 to 61	Wind speed (Km. p. h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Gujrat Region —(Contd.)																											
Baroda (contd.)	1730	34	1011·2	1007·3	..	29·1	19·2	12·0	14·1	36	..	1·4	..	2·1	0	0	20	4	8	2	0	0	0	2	4	11	0
	2330	,,	1013·5	1009·4	..	20·1	14·5	9·3	11·9	51	..	0·7	..	1·8	0	0	15	2	10	3	0	0	0	0	0	16	0
Broach	0830	17	1013·4	1011·3	−2·3	15·6	12·3	9·3	11·6	67	+1	1·4	+0·2	5·4	0	0	31	0	18	1	1	1	1	0	9	0	0
	1730	,,	1010·4	1008·5	..	30·8	20·1	12·8	14·9	34	..	1·4	..	5·7	0	0	31	4	16	0	1	0	1	0	9	0	0
Surat . . .	0530	12	1011·8	1010·4	..	17·9	13·7	9.9	12·3	61	..	0·7	..	8·3	0	0	31	0	26	0	1	0	0	0	4	0	0
	0830	,,	1014·0	1012·6	−1·6	18.6	14·1	10·3	12·4	60	+2	1·5	+0·2	6·9	0	0	29	0	27	0	2	0	0	0	0	2	0
	1130	,,	1014·2	1012·8	..	28·1	18·2	10·4	12·9	34	..	1·8	..	10·5	0	1	29	0	27	0	3	0	0	0	0	1	0
	1730	,,	1010·8	1009·4	..	28·6	19·6	13·3	15·5	40	..	1·3	..	8·8	0	0	31	0	7	0	0	3	3	0	21	0	0
	2330	,,	1013·0	1011·6	..	21·3	15·5	10·8	12·9	53	..	1·0	..	8·6	0	0	31	0	24	0	0	0	0	0	7	0	0
Saurashtra & Kutch (inclu. Div)																											
Naliya . . .	0830	21	1016·1	1013·5	..	11·4	7·6	2·5	7·4	56	..	0·8	..	7·2	0	2	28	15	15	0	0	0	0	0	0	1	0
	1730	,,	1013·0	1010.5	..	25·4	15·6	6·5	9·8	32	..	0·6	..	14·1	0	5	26	15	8	0	0	0	3	4	1	0	0
Bhuj (Rudramata) .	0230	80	1014·7	1005.0	..	13·0	10·4	7·6	10·5	71	..	0·0	..	1·2	0	0	3	1	0	0	0	0	0	0	2	28	0
	0530	,,	1014·6	1004·9	..	11·2	8·9	6·3	9·5	73	..	0·0	..	1·1	0	0	3	2	1	0	0	0	0	0	0	28	0
	0830	,,	1016·2	1006·6	−0·8	12·7	9·7	6·3	9·6	67	+18	0·6	−0·5	1·4	0	0	5	0	3	0	0	0	1	1	0	6	0
	1130	,,	1016·5	1007·1	..	22·1	16·6	11·9	14·5	55	..	0·7	..	12·6	0	8	16	8	14	2	0	0	0	0	0	7	0
	1430	,,	1013·2	1004·2	..	26·2	19·2	13·9	16·5	50	..	0·9	..	15·7	0	10	17	3	21	0	1	0	0	0	2	4	0
	1730	,,	1012·9	1003·7	..	25·7	18·8	13 6	16·1	50	..	0·8	..	16·6	0	0	30	9	19	0	0	0	0	0	2	1	0
	2030	,,	1014·8	1005·4	..	18·8	14·4	10·5	12·9	60	..	0·3	..	4·1	0	1	10	4	5	0	0	0	0	0	2	20	0
	2330	,,	1015 3	1005·8	..	15·4	12·0	8·6	11·3	65	..	0·1	..	4·0	0	0	9	7	1	0	0	0	0	0	1	22	0
Kandla Aerodrome.	0830	35	1016·1	1011·9	..	15·1	8·5	−0·9	5·8	35	..	0·7	..	19·4	0	15	16	10	1	0	0	0	0	1	19	10	0
	1130	,,	1016·4	1012·3	..	24·1	12·5	−2·5	5·1	18	..	0·7	..	20·1	0	17	13	15	12	1	0	0	0	0	2	1	0
	1730	,,	1012·9	1009·0	..	26·3	13·5	−3·4	5·1	15	..	0·7	..	21·1	0	17	14	21	4	0	0	2	0	0	4	0	0
New Kala . .	0830	14	1016·1	1014·4	..	15·6	10·1	3·2	8·0	45	..	1·1	..	13·4	0	5	25	18	9	0	0	0	0	0	3	1	0
	1730	,,	1013·1	1011·4	..	24·7	15·8	7·7	10·8	35	..	1·3	..	14·4	0	7	23	12	13	0	1	1	2	1	0	1	0
Mandvi . .	0830	9	1015·8	1014·7	−1·1	15·7	9·8	2·4	7·4	42	−22	0·8	−1.0	14·2	0	7	24	9	20	1	0	0	0	0	1	0	0
	1730	,,	1013·0	1011·9	..	24·6	16·5	8·9	12 2	41	..	1·5	..	17 2	0	8	23	6	7	0	1	2	6	7	1	0	1
Surendranagar .	0830	74	1015·7	1006·7	−1·1	16·8	10·4	2·4	7·5	39	−14	0·8	−0·6	6·1	0	0	25	13	5	2	0	0	0	0	5	6	0
	1730	,,	1011·5	1003·1	..	28·3	16·5	5·3	9·2	24	..	1·2	..	5·2	0	0	26	16	3	2	0	0	0	2	3	5	0
Okha . . .	0530	7	1014·1	1013·3	..	20·8	15·7	11·4	13·7	57	..	0·4	..	26·8	0	23	7	13	15	2	0	0	0	0	0	1	0
	0830	,,	1015 8	1015·0	..	21·0	15·7	11·4	13·6	55	..	0·6	..	25·1	0	24	7	6	21	1	0	0	0	0	0	0	0
	1130	,,	1016·6	1015·8	..	22·6	16·7	11·9	14·2	52	..	0·6	..	21·5	0	19	12	7	17	4	2	0	0	0	1	0	0
	1730	,,	1013·3	1012·5	..	23·4	18·3	14·7	16·9	60	..	0·4	..	15·0	0	11	19	12	6	0	0	0	0	1	11	1	0
	2330	,,	1015·1	1014·3	..	22·0	16·9	13·0	15·2	58	..	0·1	..	26·7	0	22	9	17	6	1	0	1	0	0	6	0	0
Jamnagar (Aerodrome)	0530	23	1014·2	1011·6	..	14·0	10·0	5·6	9·1	59	..	0·1	..	9·1	0	4	16	9	7	1	3	0	0	0	0	11	0
	0830	,,	1015·8	1013·1	−0·9	15·8	11·0	5·8	9·3	52	−9	0·9	−0·1	9·9	0	1	25	7	12	3	2	1	0	1	0	5	0
	1130	,,	1016·1	1013·5	..	22·8	14·5	6·5	9 8	36	..	0·8	..	19·9	0	19	12	12	18	1	0	0	0	0	0	0	0
	1730	,,	1013·0	1010·4	..	25·6	16·0	7·0	10·4	32	..	1·1	..	17·5	0	13	18	17	10	0	0	0	0	2	2	0	0
	2330	,,	1014·9	1012·2	..	18·0	13·5	9·4	11·9	58	..	0·4	..	9·4	0	0	26	15	6	0	0	0	1	0	4	5	0
Dwarka . .	0830	11	1015·4	1014·1	−1·2	19·3	16·4	14·3	16·3	76	+12	0·4	−1·1	13·7	0	8	23	18	8	5	0	0	0	0	0	0	0
	1730	,,	1012·5	1011·2	..	24·9	17·7	11·9	14·5	47	..	0·3	..	17·2	0	10	21	16	5	0	0	0	0	4	6	0	0
Rajkot . .	0530	138	1013·6	997·3	..	13·1	8·1	1·4	6·8	46	..	0·1	..	7·8	0	1	23	9	10	2	0	0	0	0	3	7	0
	0830	,,	1015·3	999·1	−1·5	15·6	9·7	2·1	7·3	41	−12	0·3	−0·9	7·0	0	2	19	5	13	2	0	0	0	0	1	10	0
	1130	,,	1014·9	999·3	..	25·8	15·9	6·5	10·1	31	..	0·2	..	17·3	0	12	19	7	17	7	0	0	0	0	0	0	0
	1730	,,	1011·5	996·0	..	27·8	16·6	6·0	9·8	26	..	0·2	..	20·3	0	19	12	7	19	2	0	0	0	0	3	0	0
Bhavnagar (Aerodrome)	0830	11	1014·7	1013.5	−1·5	17·3	11·3	4·4	8·5	44	+1	1·7	+0·3	12·8	0	5	25	8	2	0	0	0	0	1	15	1	4
	1130	,,	1014·8	1013·6	..	25·3	16·1	7·9	10·8	34	..	1·4	..	15·0	0	7	24	9	18	3	0	0	0	0	1	0	0
	1730	,,	1011·4	1010·2	..	28·1	17·5	8·5	11·4	30	..	1·5	..	14·5	0	5	25	1	20	7	2	0	0	0	0	1	0
Porbandar (Aerodrome)	0830	7	1014·7	1013·9	−1·4	18·9	11·5	2·8	7·6	37	−25	0·9	−0·6	9·5	0	8	17	7	9	2	2	0	2	1	2	6	0
	1130	,,	1014·9	1014·1	..	27·6	15·2	1·6	7·3	20	..	1·0	..	18·9	0	17	14	4	20	5	0	0	0	1	1	0	0
	1730	,,	1011·6	1010·8	..	27·4	16·2	5·6	9·3	28	..	0·9	..	22·1	0	23	8	12	3	0	0	0	1	12	3	0	0
Keshod . .	0830	51	1014·6	1008·5	..	16·1	19·2	0·2	6·1	35	..	0·5	..	14·1	0	4	27	6	19	6	0	0	0	0	0	0	0
	1130	,,	1614·6	1008·8	..	26·4	14·5	1·4	6·9	21	..	0·5	..	21·2	0	21	10	7	20	4	0	0	0	0	0	0	0
	1730	,,	1011·1	1005·2	..	29·7	16·1	2·0	7·3	18	..	0·9	..	17.9	0	14	17	17	3	1	0	0	1	3	6	0	0
Mahuva . .	0830	9	1012·8	1011·8	..	18·5	12·3	5·8	9·1	43*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	1010·4	1009·4	..	28·4	19·8	13·9	16·0	41*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Veraval . .	0230	8	1012·3	1011·4	..	19·0	12 0	4·0	8·4	39	..	0·6	..	15·7	0	9	22	12	19	0	0	0	0	0	0	0	0
	0530	,,	1012·0	1011·1	..	18·1	11·2	3·0	7·9	38	..	0·5	..	16·3	0	7	24	9	22	0	0	0	0	0	0	0	0

*Wind and cloud data of Mahuva are doubtful and hence rejected.

Sub-Division and Station	Hour of observation I.S.T	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (km. p.h.): 62 or more	Wind speed (km. p.h.): 20 to 61	Wind speed (km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Saurashtra and Kutch (contd.)																											
Veravol	0830	8	1013·8	1010·9	−1·8	19·7	12·0	3·4	7·9	35	−14	1·2	0·0	15·7	0	9	22	7	23	1	0	0	0	0	0	0	0
	1130	,,	1014·1	1013·2	..	28·9	17·6	8·0	10·9	28	..	1·3	..	14·6	0	11	20	4	15	4	1	1	3	2	1	0	0
	1430	,,	1011·3	1010·4	..	29·3	20·5	14·5	16·9	43	..	1·2	..	16·5	0	10	20	7	2	0	0	2	10	6	3	1	0
	1730	,,	1011·0	1010·1	..	26·5	20·7	16·9	19·7	58	..	1·5	..	20·5	0	18	13	2	2	0	0	3	5	7	12	0	0
	2030	,,	1012·8	1011·9	..	23·2	17·6	13·0	15·6	56	..	1·1	..	11·9	0	2	28	13	4	1	0	1	2	2	7	1	0
	2330	,,	1013·3	1012·4	..	20·3	14·2	8·3	11·2	48	..	1·0	..	13·0	0	5	25	13	14	1	0	0	0	0	2	1	0
Konkan (including Goa)																											
Dahanu	0830	5	1012·7	1012·2	−1·7	20·3	17·0	14·7	16·7	71	+2	..	..	5·6	0	0	30	0	8	13	8	1	0	0	0	0	0
	1730	,,	1010·4	1009·9	..	26·7	23·1	21·3	25·3	73	..	..	..	19·1	0	12	19	28	1	0	0	0	0	0	2	0	0
Bombay (Santa Cruz)	0230	14	1010·8	1009·1	..	20·8	17·5	15·2	17·4	71	..	1·4	..	3·6	0	0	14	1	8	5	0	0	0	0	0	17	0
	0530	,,	1010·7	1009·0	..	20·2	17·0	14·8	16·8	72	..	1·2	..	3·9	0	0	16	0	6	5	5	0	0	0	0	15	0
	0830	,,	1012·6	1010·9	−2·3	23·3	18·0	14·1	16·3	58	−7	2·4	+1·0	4·3	0	0	19	0	5	13	1	0	0	0	0	12	0
	1130	,,	1012·7	1011·0	..	30·1	19·9	12·7	14·9	36	..	2·5	..	8·3	0	1	27	1	5	12	6	1	0	0	3	3	0
	1430	,,	1009·8	1008·2	..	31·0	20·8	13·8	16·3	38	..	2·8	..	10·8	0	1	28	5	4	3	0	0	0	3	14	2	0
	1730	,,	1009·7	1008·1	..	28·0	21·1	16·8	19·4	52	..	2·7	..	6·5	0	1	30	10	3	0	0	0	0	0	18	0	0
	2030	,,	1011·6	1009·9	..	24·8	20·1	17·1	19·7	63	..	1·7	..	10·2	0	0	27	16	2	0	0	0	0	0	9	4	0
	2330	,,	1011·9	1010·2	..	22·6	18·5	15·6	17·9	66	..	1·3	..	3·9	0	0	16	7	6	2	0	0	1	0	0	15	0
Bombay (Colaba)	0830	11	1012·5	1011·3	−2·3	23·3	19·8	17·7	20·2	72	+2	2·3	+0·9	7·3	0	0	31	2	17	11	1	0	0	0	0	0	0
	1130	,,	1012·7	1011·5	..	28·6	21·4	16·9	19·6	50	..	2·2	..	8·1	0	1	30	3	11	12	2	0	0	0	2	0	1
	1730	,,	1009·7	1008·5	..	27·3	22·2	19·4	22·7	63	..	2·5	..	12·5	0	0	31	7	0	1	0	0	0	0	23	0	0
Alibag	0830	7	1012·3	1011·5	−2·3	22·5	18·9	16·5	18·9	70	+6	1·9	+0·1	3·1	0	0	25	5	6	11	2	0	0	0	1	6	0
Bhira	0830	96	1011·8	1000·9	..	24·9	17·1	10·6	13·2	43	..	2·6	..	5·3	0	0	23	3	10	1	5	0	2	1	1	8	0
	1730	11	1008·3	997·6	..	29·8	20·9	14·9	17·5	42	..	2·5	..	1·2	0	0	15	0	2	0	4	6	1	0	2	16	0
Harnai	0830	20	1011·8	1009·5	−1·9	25·8	21·5	19·0	22·1	68	+12	3·1	+1·2	9·4	0	9	15	3	1	13	3	3	1	0	0	7	0
	1730	,,	1009·4	1007·1	..	27·6	25·2	24·1	30·1	81	..	3·2	..	24·5	0	17	14	19	0	0	1	0	0	0	11	0	0
Ratnagiri	0830	35	1011·3	1007·3	−2·7	23·6	19·8	17·3	20·0	70	..	2·5	..	5·4	0	1	27	0	1	15	11	1	0	0	0	3	0
	1730	,,	1008·6	1004·6	..	28·6	23·2	20·3	24·0	62	..	2·7	..	5·7	0	0	31	1	1	2	0	0	1	15	11	0	0
Devgarh	0830	36	1011·6	1007·5	−2·0	24·3	20·6	18·4	21·3	70	+3	3·6	+1·6	7·7	0	2	26	0	2	25	1	0	0	0	0	3	0
	1730	,,	1008·2	1004·2	..	29·3	23·9	21·1	25.3	63	..	3·3	..	20·7	1	15	15	2	1	2	0	1	0	2	23	0	0
Vengurla	0230	9	1010·2	1009·2	..	22·7	21·0	20·0	23·5	85	..	2·6	..	1·2	0	0	6	5	1	0	0	0	0	0	0	25	0
	0530	,,	1009·7	1008·7	..	21·7	20·2	19·3	22·4	87	..	2·8	..	2·1	0	0	12	9	1	1	1	0	0	0	0	19	0
	0830	,,	1011·8	1010·8	−2·3	23·2	20·5	18·9	21·8	78	+6	2·9	+1·3	3·4	0	1	14	8	3	3	1	0	0	0	0	16	0
	1130	,,	1011·6	1010·6	..	30.1	21·9	16·8	19·1	48	..	2·7	..	6·8	0	1	26	1	9	10	4	0	2	1	0	4	0
	1730	,,	1008·6	1007·6	..	28·9	23·6	20·9	24·7	63	..	3·6	..	6·6	0	1	30	0	2	1	2	1	3	19	3	0	0
	2330	,,	1011·1	1010·1	..	23·7	21·7	20·6	24·3	83	..	3·3	..	2·9	0	0	15	9*	2	1	1	0	0	1	1	16	0
Panjim	∓0530	60	1009·5	1002·6	..	23·1	21·0	19·9	23·2	83	..	3·6	..	(d) 7·3	0	2	20	0*	5	17	2	0	0	0	0	7	0
	0830	,,	1011·4	1004·5	..	23·4	20·8	19·2	22·4	78	..	4·3	..	(d) 8·1	0	1	23	0*	11	11	4	1	0	0	0	3	1
	1130	,,	1011·3	1004·6	..	29·0	21·6	17·1	19·7	51	..	3·6	..	(d) 8·4	0	2	21	1*	10	9	5	1	1	0	0	4	0
	1430	,,	1008·6	1001·9	..	30·7	22·5	17·5	20·5	49	..	3·8	..	(d) 11·7	0	2	23	0*	5	7	3	0	5	8	1	2	0
	1730	,,	1008·4	1001·6	..	28·8	22·9	19·7	23·1	60	..	4·2	..	(c) 10·7	0	1	24	2*	1	1	2	1	4	6	11	3	0
	⊙2030	,,	1010·6	1003·8	..	26·2	22·8	21·0	25·0	74	..	3·9	..	(c) 5·2	0	0	21	9*	5	1	3	1	1	0	2	9	0
	∓2330	,,	1010·7	1003·9	..	25·0	22·1	20·5	24·1	77	..	3·6	..	(c) 6·4	0	0	26	5	13	6	4	0	0	0	0	3	0
Marmagao	0530	62	1008·7	1001·7	..	24·4	21·2	19·4	22·5	75	..	3·0	..	13·7	0	4	27	0	8	17	5	1	0	0	0	0	0
	0830	,,	1010·6	1003·7	..	25·8	21·4	18·7	21·8	67	..	3·5	..	13·5	1	1	29	0	7	17	6	0	1	0	0	0	0
	1130	,,	1010·7	1003·7	..	28·9	22·0	17·9	20·8	54	..	3·3	..	14·1	1	4	26	0	10	13	2	2	1	0	3	0	0
	1730	,,	1007·7	1000·8	..	28·5	23·3	20·5	24·4	64	..	4·2	..	15·3	0	10	21	1	1	4	1	2	3	11	8	0	0
Dabolim N. A. S.	0530	52	1009·5	1003·6	..	23·6	21·0	19·5	22·8	79	..	3·7	..	11·9	0	3	20	2	11	7	2	1	0	0	0	8	0
	0830	,,	1011·4	1005·6	..	25·1	20·7	18·0	20·8	67	..	4·3	..	15·4	1	3	24	0	9	16	2	1	0	0	0	3	0
	1130	,,	1011·4	1005·6	..	29·4	21·9	17·3	20·1	51	..	3·8	..	17·5	0	21	9	0	5	12	5	5	3	0	0	1	0
	1730	,,	1008·5	1002·7	..	29.0	23·0	19·7	23·2	59	..	4·3	..	19·8	0	7	24	2	4	2	0	3	0	10	10	0	0
	2330	,,	1010·9	1005·0	..	25·6	22·7	21·2	25·3	77	..	3·8	..	12·1	0	2	25	7	12	6	1	0	1	0	0	4	0
Madhya Maharashtra																											
Nandurbar	0830	206	1014·8	990·9	..	19·7	13·6	7·4	10·7	47	..	0·4	..	(a) 8·8	0	3	26	0*	8	21	1	0	0	0	0	1	0
	1730	,,	1010·5	987·5	..	28·8	18·2	10·2	12·3	32	..	0·5	..	(a) 4·5	0	1	21	6	2	10	0	0	0	2	3	8	0
Jalgaon	0830	201	1015·5	991·9	−1·1	17·2	12·2	7·0	10·2	53	−10	3·3	+1·8	9·9	0	0	31	0	4	19	8	0	0	0	0	0	0
	1730	,,	1010·9	988·3	..	28·5	17·7	8·5	11·5	31	..	2·7	..	6·8	0	0	27	1	10	14	0	0	0	1	1	4	0
Malegaon	0830	437	1015·2	964·8	−1·9	16·7	12·7	8·8	11·5	61	+4	3·4	+1·8	3·7	0	0	30	2	7	1	2	1	1	9	7	1	0
	1730	..	1010·0	960·2	..	27·5	17·6	10·6	12·9	36	..	3·3	..	7·1	0	0	30	5	10	8	5	2	0	0	0	1	0

*Estimated. ⊙ Wind Speed for 30 days. ∓Wind Speed for 29 days. (d) Mean of 27 days (c) Mean of 28 days. (a)—Mean of 30 days only (Nandurbar)

TABLE III—SUMMARY OF OBSERVATIONS AT FIXED HOURS—DECEMBER, 1965 (AGRAHAYANA 10—PAUSA 10, 1887 SAKA)

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g. p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km per hour	Wind speed (km. p. h.): 62 or more	Wind speed (km. p. h.): 20 to 61	Wind speed (km. p. h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madhya Maharashtra—(Contd.)																											
Ozar	0830	608	1014·6	945·3	..	16·4	13·5	11·2	13·4	72	..	2·0 (h)	..	5·0 (h)	0	0	19	1	6	7	2	0	0	2	1	4	0
	1130	,,	1012·7	945·8	..	24·8	16·9	11·1	13·5	44	..	2·3 (h)	..	18·2 (i)	0	11	12	0	0	7	12	4	0	0	0	0	0
	1730	,,	1009·4	942·8	..	27·0	17·7	10·9	13·5	39	..	2·5 (i)	..	15·9 (v)	0	6	16	0	1	7	3	1	0	3	2	0	0
Ahmednagar	0830	657	1015·0	940·7	−1·6	17·7	13·5	9·6	12·4	62	+7	4·1	+2·7	3·6	0	0	18	0	3	0	3	2	2	0	7	13	1
	1730	,,	1009·2	937·5	..	26·9	17·9	11·3	13·9	40	..	4·1	..	8·3	0	2	22	0	17	0	6	0	0	0	1	7	0
Poona (Aerodrome)	0230	593	1012·1	945·1	..	18·8	14·1	10·2	12·7	58	..	2·3	..	4·9	0	2	10	0	4	6	0	0	0	2	0	19	0
	0530	,,	1012·3	945·0	..	17·3	13·5	10·1	12·7	65	..	1·9	..	7·0	0	2	14	1	7	7	0	0	0	1	0	15	0
	0830	,,	1014·2	947·0	..	18·1	14·0	10·5	13·0	63	..	3·1	..	6·5	0	3	12	0	4	8	0	0	0	2	1	16	0
	1130	,,	1012·6	947·0	..	25·5	17·3	11·1	13·7	44	..	3·2	..	16·1	0	12	15	0	1	22	4	0	0	0	0	4	0
	1730	,,	1008·4	943·0	..	27·8	17·8	10·8	13·1	37	..	3·6	..	13·7	0	7	22	0	3	16	1	1	0	6	1	2	1
	2330	,,	1012·5	945·9	..	20·8	15·0	10·2	12·9	54	..	2·4	..	7·4	0	1	17	1	5	6	0	1	0	4	1	13	0
Poona	0530	559	1013·2	949·0	..	14·8	12·4	10·4	12·7	77	..	1·5	..	0·5	0	0	3	0	0	3	0	0	0	0	0	28	0
	0830	,,	1014·7	951·1	−1·7	17·8	14·3	11·6	13·7	68	+5	2·7	+1·3	1·2	0	0	5	0	1	3	1	0	0	0	0	26	0
	1130	,,	1012·5	950·6	..	25·7	18·0	12·7	15·7	47	..	2·8	..	6·1	0	1	25	0	3	16	5	1	0	1	0	5	0
	1430	,,	1008·8	947·6	..	28·3	18·6	11·8	14·3	39	..	3·4	..	6·4	0	0	23	1	1	18	1	0	0	2	0	8	0
	1730	,,	1008·7	947·5	..	27·6	18·1	11·4	13·8	39	..	3·7	..	3·6	0	0	18	0	1	11	1	0	1	3	1	13	0
	2030	,,	1012·0	949·4	..	22·0	15·9	11·4	13·7	53	..	2·3	..	1·7	0	0	8	0	0	4	1	0	1	2	0	23	0
	2330	,,	1013·2	949·8	..	18·5	14·5	11·2	13·6	63	..	2·3	..	0·9	0	0	4	0	0	4	0	0	0	0	0	27	0
Jeur	0830	521	1014·4	955·1	−1·8	18·4	14·3	10·9	13·3	63	+4	4·1	+2·5	4·1	0	0	23	5	6	5	1	1	2	1	2	8	0
	1730	,,	1008·6	951·5	..	28·3	18·1	10·8	13·4	36	..	3·6	..	8·6	0	1	29	1	2	9	8	2	0	5	3	1	0
Baramati	0830	551	1014·5	952·2	−1·6	19·5	14·9	11·3	13·6	61	−5	3·0	+1·6	5·7	0	0	26	1	4	9	9	1	0	1	1	5	0
	1730	,,	1008·8	948·5	..	27·9	18·7	12·4	14·9	41	..	2·6	..	8·6	0	2	29	1	0	10	13	4	1	0	2	0	0
Sholapur	0530	479	1012·5	958·0	..	18·5	14·7	11·7	13·9	66	..	2·3	..	4·3	0	0	20	1	9	6	4	0	0	0	0	11	0
	0830	,,	1014·6	960·5	−1·2	21·4	16·4	12·7	15·0	60	+7	2·8	+1·2	7·0	0	0	31	0	15	2	14	0	0	0	0	0	0
	1130	,,	1012·6	959·5	..	26·7	19·0	14·0	16·3	48	..	3·1	..	11·7	0	4	27	2	2	4	19	2	0	1	1	0	0
	1730	,,	1009·0	956·4	..	28·2	19·1	12·9	15·5	42	..	3·2	..	6·3	0	1	27	5	2	10	8	1	0	1	1	3	0
	2330	,,	1012·7	958·7	..	21·8	16·1	11·6	14·1	55	..	3·3	..	9·6	0	1	27	1	4	11	10	0	1	1	0	3	0
Miraj	0830	554	1013·9	951·5	−1·7	19·9	16·3	13·8	15·9	68	+8	4·0	+2·2	..	0	..	..	*0	0	9	0	0	0	0	0	22	0
	1730	,,	1008·3	948·0	..	27·9	19·0	13·0	15·6	43	..	4·3	..	..	0	..	..	*0	0	13	1	0	0	1	0	16	0
Kolhapur	0530	570	1011·7	947·2	..	18·1	15·2	13·2	15·2	74	..	2·6	..	6·8	0	3	22	0	0	20	2	2	0	1	0	6	0
	0830	,,	1013·4	949·3	−1·7	20·4	16·4	13·4	15·8	66	+3	2·8	+1·6	4·9	0	2	14	1	1	12	2	0	0	0	0	15	0
	1130	,,	1012·0	949·1	..	25·8	18·6	14·0	16·2	50	..	2·6	..	14·1	0	7	24	1	1	22	3	2	1	1	0	0	0
	1730	,,	1007·9	945·6	..	27·6	18·8	12·8	15·1	43	..	3·4	..	10·1	0	6	24	1	1	20	4	1	0	3	0	1	0
	2330	,,	1011·9	948·1	..	21·1	16·6	13·3	15·7	63	..	3·0	..	8·3	0	3	22	0	0	15	2	3	1	4	0	6	0
Marathwada Aurangabad	0830	581	1015·1	949·6	−1·7	20·3	14·4	9·6	12·1	52	−1	2·9	+1·2	4·7	0	0	25	1	0	22	1	0	0	1	0	6	0
	1730	,,	1010·1	946·3	..	26·7	17·0	9·6	12·3	37	..	2·8	..	3·9	0	0	25	1	3	14	0	1	3	3	0	6	0
Aurangabad (Chikalthan)	0230	579	1013·4	947·2	..	15·5	11·7	8·0	10·7	63	..	2·5	..	1·7	0	1	3	1	0	2	1	0	0	0	0	27	0
	0530	,,	1014·0	947·2	..	13·9	10·6	7·7	10·4	66	..	2·4	..	0·6	0	0	2	0	0	1	0	0	1	0	0	29	0
	0830	,,	1015·0	949·3	..	18·4	13·1	8·5	11·2	54	..	3·1	..	4·9	0	0	11	0	0	9	1	0	1	0	0	20	0
	1130	,,	1013·4	949·2	..	24·8	15·9	8·6	11·5	39	..	3·0	..	12·7	0	1	29	0	2	19	7	1	0	1	0	1	0
	1430	,,	1009·7	946·3	..	27·5	16·6	7·8	10·9	32	..	3·3	..	11·9	0	1	26	0	1	12	6	1	1	5	1	4	0
	1730	,,	1009·4	946·1	..	26·6	16·4	8·2	11·2	34	..	3·5	..	10·5	0	1	27	1	1	12	8	0	0	4	2	3	0
	2030	,,	1013·1	947·9	..	19·8	13·9	8·7	11·5	51	..	2·3	..	2·8	0	1	4	0	1	2	1	1	0	0	0	26	0
	2330	,,	1014·0	948·0	..	17·1	12·4	8·1	11·0	57	..	2·4	..	3·1	0	2	4	0	0	4	1		0	0	0	25	0
Parbhani	0830	423	1015·7	967·2	−0·6	18·7	13·4	8·4	11·1	53	−5	3·2	+1·5	2·4	0	0	25	3	6	9	4	0	0	0	3	6	0
	1730	,,	1010·5	963·6	..	27·4	17·6	9·1	12·2	34	..	3·2	..	5·7	0	0	27	4	8	7	3	0	0	2	3	4	0
Nander	0830	358	1015·2	974·2	..	19·8	15·1	11·1	13·4	58	..	2·2	..	1·3	0	0	8	1	3	0	2	1	0	1	0	23	0
	1730	,,	1010·4	970·5	..	27·9	18·6	11·7	13·8	38	..	2·6	..	3·7	0	0	21	1	10	1	3	0	0	1	5	10	0
Bir	0830	519	1015·8	956·6	..	18·0	15·0	12·8	14·9	73	..	3·0	..	2·6	0	0	17	0	10	0	4	1	2	0	0	14	0
	1730	,,	1010·5	953·3	..	26·2	18·9	14·3	16·5	50	..	2·5	..	5·5	0	0	27	0	20	1	3	0	1	0	2	4	0
Vidarbha Gondia	0830	313	1016·8	980·5	−1·0	17·3	12·7	8·2	10·9	55	−16	2·2	+0·8	1·3	0	0	20	6	5	3	1	1	0	0	4	11	0
	1730	,,	1012·1	996·6	..	25·2	16·5	9·0	11·7	35	..	2·1	..	1·1	0	0	12	8	1	2	0	0	0	1	0	19	0
Nagpur (Sonegaon)	0230	310	1014·1	977·9	..	15·0	11·4	7·7	10·6	62	..	1·6	..	2·5	0	0	16	9	4	0	0	0	0	0	3	15	0
	0530	,,	1014·6	978·3	..	13·6	10·6	7·5	10·6	67	..	1·9	..	2·1	0	0	16	9	4	0	0	0	0	0	3	15	0
	0830	,,	1016·4	980·5	−1·2	17·7	12·5	7·4	10·4	52	−10	3·1	+1·4	3·5	0	0	22	8	11	2	0	0	0	0	1	9	0
	1130	,,	1014·9	979·9	..	25·6	16·0	7·3	10·4	32	..	2·6	..	7·4	0	0	29	1	8	17	3	0	0	0	0	2	0
	1430	,,	1011·4	976·8	..	27·7	16·9	7·3	10·4	29	..	3·0	..	5·0	0	0	28	2	7	13	3	0	0	0	3	3	0
	1730	,,	1011·7	976·7	..	25·0	16·4	8·9	11·8	37	..	3·1	..	2·9	0	0	23	0	3	15	3	0	0	1	1	8	0

(h) Mean % 23 days. *Estimate. (i) Mean of 22 days.

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level of height in f. p. m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in k. m. per hour	Wind speed (Km.p.h.): 62 or more	Wind speed (Km.p.h.): 20 to 61	Wind speed (Km.p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Vidarbha—(*Contd.*)																											
Nagpur (Sonegaon)—(*Contd.*)	2030	310	1014·3	978·5	..	18·5	13·6	9·0	11·5	54	..	2·0	..	1·9	0	0	18	2	5	7	3	0	0	0	1	13	0
	2330	,,	1014·6	978·6	..	16·7	12·4	8·3	10·9	58	..	1·9	..	3·5	0	0	22	8	10	2	1	0	0	0	1	9	0
Amraoti	0830	370	1015·8	973·4	−1·2	19·9	13·1	6·0	9·6	42	−9	2·2	+0·6	4·3	0	0	30	4	16	10	0	0	0	0	0	1	0
	1730	,,	1011·3	970·1	..	27·0	16·5	7·2	10·3	31	..	1·9	..	3·7	0	0	28	6	4	6	7	1	1	1	2	3	0
Akola (Aerodrome)	0530	309	1013·2	977·1	..	15·5	10·6	5·0	8·8	51	..	1·7	..	8·2	0	0	29	3	7	12	1	1	0	5	0	2	0
	0830	,,	1015·1	979·3	..	18·1	12·0	5·1	9·1	44	..	3·0	..	8·3	0	0	31	2	11	11	4	1	1	1	0	0	0
	1130	,,	1013·9	979·1	..	25·6	15·6	6·0	9·3	30	..	2·8	..	9	0	1	29	2	11	13	3	0	0	1	0	1	0
	1730	,,	1010·1	975·7	..	27·5	16·6	7·1	10·1	29	..	2·8	..	8·3	0	1	29	6	13	8	0	0	1	0	2	1	0
	2330	,,	1013·0	977·6	..	20·1	13·1	5·6	9·3	40	..	1·8	..	9·0	0	0	30	4	6	8	5	4	1	2	0	1	0
Akola	0830	282	1015·7	983·0	−1·5	17·9	12·7	7·3	10·5	51	−6	2·7	+1·1	1·0	0	0	15	0	7	6	1	0	1	0	0	16	0
	1730	,,	1010·6	979·1	..	27·9	18·0	9·9	12·5	34	..	2·9	..	0·4	0	0	6	0	3	3	0	0	0	0	0	25	0
Bramhapuri	0830	229	1016·2	989·5	..	17·0	13·2	9·6	11·9	62	..	2·6	..	3·5	0	0	28	10	12	5	1	0	0	0	0	3	0
	1730	,,	1011·6	985·9	..	27·2	17·3	9·0	11·7	33	..	2·8	..	3·5	0	0	31	10	12	6	1	0	0	0	2	0	0
Buldana	0830	650	1014·7	941·5	−1·2	19·2	13.0	7·3	10·5	48	−6	2·9	+1·4	8·5	0	0	30	0	0	5	12	11	2	0	0	1	0
	1730	,,	1010·1	938·6	..	25·6	16·4	9·2	11·9	38	..	3·2	..	5·5	0	0	31	4	12	3	7	0	1	0	4	0	0
Yeotmal	0830	451	1015·1	963·7	−1·6	20·0	12·9	5·0	9·1	39	−14	3·1	+1·3	7·7	0	1	28	2	0	27	0	0	0	0	0	2	0
	1730	,,	1010·6	960·5	..	26·1	15·7	5·6	9·4	28	..	2·8	..	6·0	0	0	31	6	3	21	0	0	0	0	1	0	0
Chanda	0830	193	1015·6	993·0	−1·9	17·1	13·3	9·9	12·2	63	−9	3·0	+1·5	2·5	0	0	24	5	5	5	2	1	0	2	4	7	0
	1730	,,	1011·0	989·3	..	27·3	18·0	11·0	13·1	36	..	5·0	..	2·5	0	0	30	2	14	10	3	0	0	0	1	1	0
Pusad	0830	334			..						..	..	..	3·5	0	0	15	2	8	0	1	0	3	0	1	16	0
	1730	,,			..						..	..	..	7·3	0	0	28	0	25	0	0	0	2	0	1	3	0
Sironcha	0830	123	1016·0	1001·6	−1·1	19·6	15·8	13·2	14·8	66	−12	2·8	+1.0	1·5	0	0	21	5	12	0	2	0	1	0	1	10	0
	1730	,,	1011·1	997·2	..	28·4	19·5	13·0	15·5	40	..	2·9	..	1·5	0	0	17	0	8	0		0	0	0	4	14	0
Coastal Andhra Pradesh																											
Kalingapatam	0830	6	1015·5	1014·8	−1·3	22·2	18·7	16·1	18·8	71	−7	3·2	+1·3	6·1	0	0	29	7	4	0	0	1	1	0	14	2	2
	1730	,,	1011·9	1011·2	..	24·6	20·3	17·6	20·2	66	..	2·8	..	13·0	0	3	28	6	6	3	1	1	0	0	0	0	14
Vishakhapatanam	0230	3	1012·6	1012·2	..	21·3	18·2	16·0	18·3	74	..	2·4	..	3·0	0	1	9	1	5	3	0	0	0	0	1	21	0
	0530	,,	1012·9	1012·5	..	20·5	17·6	15·4	17·8	75	..	2·6	..	2·5	0	0	8	1	3	1	1	0	1	0	1	23	0
	0830	,,	1014·9	1014·5	−1·6	24·2	18·9	15·0	17·5	59	−8	4·6	+1·9	4·8	0	0	17	1	7	8	0	0	0	0	1	14	0
	1130	,,	1014·0	1013·6	..	28·1	19·7	13·7	16·1	43	..	4·2	..	11·5	0	3	26	2	8	13	2	0	3	0	1	2	0
	1430	,,	1011·4	1011·0	..	28·2	19·8	14·2	16·3	43	..	3·9	..	17·5	0	11	20	1	2	15	8	2	2	0	1	0	0
	1730	,,	1011·9	1011·5	..	25·3	19·4	15.4	17·7	56	..	4·4	..	11·6	0	3	27	0	1	19	6	3	1	0	0	1	0
	2030	,,	1014·1	1013·7	..	23·6	19·4	16·7	19·1	67	..	2·8	..	5·9	0	2	14	0	4	10	2	0	0	0	0	15	0
	2330	,,	1013·8	1013·4	..	22·3	18·9	16·7	19·1	72	..	3·0	..	3·8	0	1	11	1	3	5	2	0	0	0	1	19	0
Kakinada	0830	8	1014·7	1013·8	−1·6	24·4	21·1	19·1	22·4	73	+1	3·3	+0·7	12·2	0	6	25	0	21	0	0	0	0	1	9	0	0
	1730	,,	1011·3	1010·5	..	26·0	21·2	19·0	21·3	63	..	3·6	..	15·4	0	8	23	0	21	2	7	0	1	0	0	0	0
Nidadavole	0830	12	1014·7	1013·2	..	22·4	19·2	17·2	19·6	73	..	2·6	..	3·9	0	0	30	6	18	4	0	0	0	0	2	1	0
	1730	,,	1011·0	1009·6	..	26·9	20·3	16·2	18·4	52	..	2·3	..	6·9	0	0	29	0	0	3	23	0	2	0	1	2	0
Rentachintala	0830	106	1014·6	1002·4	..	23·1	19·3	16·8	19·1	68	−3	4·2	+1·0	0·4	0	0	7	0	0	2	0	4	0	1	0	24	0
	1730	,,	1015·2	998·3	..	29·1	19·9	13·5	15·5	40	..	5·4	..	0·2	0	0	2	1	0	0	0	0	0	1	0	29	0
Gannavaram	0230	24	1011·9	1009·1	..	21·3	19·5	18·4	21·1	84	..	2·7	..	6·0	0	1	24	8	8	9	0	0	0	0	0	6	0
	0530	,,	1012·3	1009·5	..	20·6	18·9	17·7	20·5	84	..	2·5	..	7·2	0	1	26	7	7	10	1	1	0	0	1	4	0
	0830	,,	1014·5	1011·7	−1·4	24·2	20·1	17·4	20·2	67	−5	3·6	+1·3	11·5	0	3	26	3	4	20	2	0	0	0	0	2	0
	1130	,,	1013·7	1010·9	..	28·3	21·2	16·9	19·4	51	..	4·0	..	14·5	0	8	23	2	0	22	5	1	0	1	0	0	0
	1430	,,	1010·6	1007·9	..	29·8	21·2	15·9	18·2	44	..	4·1	..	12·4	0	5	25	0	0	23	5	2	0	0	0	1	0
	1730	,,	1010·9	1008·1	..	27·5	20·9	16·8	19·4	53	..	3·8	..	9·9	0	0	31	1	0	15	10	5	0	0	0	0	0
	2030	,,	1013·2	1010·4	..	23·4	20·2	18·3	21·0	73	..	2·5	..	7·0	0	0	26	0	0	17	7	2	0	0	0	5	0
	2330	,,	1013·2	1010·4	..	22·0	19·7	18·3	21·0	79	..	2·4	..	5·9	0	0	26	4	5	14	2	0	0	1	0	5	0
Nagarjuna Konda (R)	0830	,,																									
	1730	,,																									
Masulipatam	0830	3	1014·3	1013·9	−2·0	23·0	20·1	18·4	21·1	78	0	5·2	+3·2	(a) 4·1	0	0	29	0	4	17	8	0	0	0	0	1	0
	1730	,,	1011·1	1010·7	..	25·9	21·5	19·0	22·1	63	..	5·9	..	(a) 6·4	0	0	28	3	11	11	1	0	0	2	0	2	0
Ongole	0830	12	1014·1	1012·8	..	24·7	22·2	20·8	24·6	78	..	4·7	..	4·1	0	0	31	6	23	1	0	0	0	0	1	0	0
	1730	,,	1011·1	1009·7	..	26·4	22·6	20·5	24·3	70	..	3·1	..	3·9	0	0	31	1	10	19	0	0	0	0	1	0	0
Nellore	0530	20	1011·4	1009·2	..	22·5	21·8	21·4	25·6	93	..	5·8	..	1·5	0	0	14	0	10	1	1	0	0	0	2	17	0
	0830	,,	1013·6	1011·3	−1·8	24·0	22·8	22·2	·7	90	+6	6·6	+2·6	4·3	0	0	24	0	7	1	0	0	0	0	16	7	0
	1130	,,	1013·2	1010·9	..	27·3	23·7	21.9	26·3	73	..	6·5	..	5·9	0	0	31	4	13	4	2	0	0	0	8	0	0

(a) Mean of 30 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C.: Dry bulb	Mean temperature in °C.: Wet bulb	Mean temperature in °C.: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (km.p.h.): 62 or more	Wind speed (km.p.h.): 20 to 61	Wind speed (km.p.h.): 1 to 19	No. of observations, Wind directions: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Coastal Andhra Pradesh—(*Contd*)																												
Nellore—(*Contd.*)	1750	20	1010·9	1008 7	..	26·3	23·4	22·0	26·3	77	..	6·4	..	6·9	0	0	31	0	26	0	2	0	0	0	3	0	0
	2350	,,	1012.6	1010·3	..	23·6	22·3	21·7	25·9	89	..	5.4	..	2 1	0	0	17	0	12	1	0	0	0	0	4	14	0
Telangana																												
Ramgudam	0830	156	1015.1	996.9	−1·9	20·1	15·7	12·1	14.3	60	−8	2.9	+1·2	1·6	0	0	13	4	5	1	0	2	0	1	0	18	0
	1730	,,	1010·8	993·2	..	28·7	19·6	13·2	15·5	39	..	3·8	..	2 2	0	0	25	7	15	3	0	0	0	0	0	6	0
Nizamabad	0830	381	1015·3	971.6	−0·9	20·6	15·8	11·8	13·8	58	−9	1·9	+0·3	0·4	0	0	4	0	0	2	0	1	1	0	0	27	0
	1730	,,	1010·4	968.1	..	27·7	17·8	9 6	12·3	33	..	1·7	..	4·3	0	0	25	5	9	10	1	0	0	0	0	6	0
Hanamkonda	0830	269	1014·7	984.0	−2·0	21·2	17·9	15·7	17·8	71	+1	2·5	+0·3	1·0	0	0	16	4	0	0	0	11	0	1	0	15	0
	1730	,,	1011·5	981·5	..	28·0	19·0	12·1	14·7	39	..	2·5	..	1·9	0	0	29	17	7	0	3	2	0	0	0	2	0
Hakimpet	0530	615	1012·7	943 6	..	18·3	16·1	14.2	16·7	78	..	2·7	..	8·3	0	0	28	0	0	16	11	0	0	0	1	3	0
(Aerodrome)	0830	,,	1013.9	945.2	..	21·1	17·7	15·5	17·8	72	..	4·5	..	10 0	0	2	26	1	1	11	15	1	0	0	1	3	0
	1130	,,	1012·6	945·4	..	25·5	18·7	14·3	16·6	51	..	4·0	..	14·8	0	9	19	1	0	11	14	1	0	1	0	3	0
	1730	,,	1010·1	942.7	..	25·5	17·8	12·5	14·8	46	..	4·6	..	13·0	0	0	30	0	5	14	10	0	0	1	0	1	0
	2330	,,	1012·8	944.8	..	20·5	16·4	13·5	15·7	65	..	3·3	..	9·3	0	0	30	0	5	16	6	1	1	0	0	1	1
Bhadrachallam	0830	111	1014·5	1001·6	−2·7	21·4	18·1	15·8	18·1	71	−8	3·3	+0·4	1·4	0	0	20	0	20	0	0	0	0	0	0	11	0
	1730	,,	1010·8	997·9	..	28·5	19·7	13·7	15·9	41	..	3·9	..	2·1	0	0	31	0	31	0	0	0	0	0	0	0	0
Hyderabad (Begampet)	0230	545	1012·5	956·9	..	18·4	15·4	13·3	15·3	73	..	2·7	..	4·2	0	0	24	5	5	7	5	1	0	0	1	7	0
	0530	,,	1013·0	951.1	..	17·4	15·1	13·4	15 5	78	..	2·5	..	3·2	0	0	18	1	2	7	5	1	0	0	2	13	0
	0830	,,	1014·7	953·2	−1·3	19.9	16·4	14·1	16·1	71	+5	4·5	+2·4	5·0	0	0	20	1	0	8	8	1	0	0	2	11	0
	1130	,,	1013·0	952.8	..	26·0	18·1	12·9	15·0	46	..	4 3	..	11·1	0	2	29	1	6	8	12	4	0	0	0	0	0
	1730	,,	1009·8	949·9	..	26·3	17·6	11·4	13·7	41	..	4 5	..	9·0	0	0	30	1	5	10	12	2	0	0	0	1	0
	2330	,,	1013 3	951.9	..	20·1	15·9	12·9	15·0	64	..	3·1	..	4·4	0	0	26	1	14	6	5	0	0	0	0	5	0
Khammam	0830	112	1014·5	1001·8	..	21·8	18·0	16·1	18·3	72	..	5·4	..	1·4	0	0	15	4	2	5	3	1	0	0	0	16	0
	1730	,,	1010.5	997·8	..	29·5	20·1	13·4	15·4	38	..	4·6	..	1·2	0	0	16	1	1	10	4	0	0	0	0	15	0
Mahbubnagar	0830	505	1013·7	956 9	..	21·9	17·7	14·9	17·1	66	..	4·6	..	10·5	0	2	28	1	7	18	2	0	0	0	2	1	0
	1730	,,	1009·3	953·6	..	26·7	18·0	12·0	14·3	41	..	5·6	..	7·9	0	1	29	2	7	18	3	0	0	0	0	1	0
Rayalaseema																												
Kurnool	0830	281	1014·4	982·3	−1·3	22·2	19·1	17·1	19·6	72	+1	3 6	+1·8	3.7	0	0	31	0	6	0	12	0	3	3	7	0	0
	1730	,,	1009·3	978·0	..	28·7	19·9	14·1	16·1	42	..	3·8	..	3·9	0	0	24	0	4	2	8	1	1	3	4	7	1
Nandyal (R)	0830	212	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	.	.	..	..	..	..	..	..
Anantapur	0530	350	1011·4	971·6	..	20·4	18·8	17·8	20·4	85	..	3·3	..	3·8	0	0	13	0	1	11	1	0	0	0	0	18	0
	0830	,,	1013·5	973·8	−1·5	22·7	20·0	18·3	21·3	77	+5	4·1	+1·7	6.1	0	1	18	0	1	16	0	0	1	1	0	12	0
	1130	,,	1012·4	973·3	..	26·3	20·7	17·4	19·9	59	..	4.3	..	11·0	0	3	25	0	5	19	1	0	1	1	1	3	0
	1430	,,	1008·8	970.1	..	28·1	21·1	16·8	19·3	51	..	4·7	..	11.9	0	6	21	0	7	17	1	0	0	0	2	4	0
	1730	,,	1008·8	970·0	..	27·5	21·1	17·2	19·1	55	..	5·3	..	12·5	0	6	21	0	9	14	1	0	0	1	2	4	0
	2030	,,	1011·4	972·2	..	24·7	20·5	17·9	20·6	66	..	3·6	..	11·9	0	5	23	0	3	23	1	0	0	1	0	3	0
	2330	,,	1012·2	972·6	..	22·9	19 7	17·8	20·4	73	..	3·3	..	12·8	0	5	23	0	0	25	1	0	1	0	1	3	0
Cuddapah	0830	130	1013 9	999·0	−1·7	23·9	21·3	19·9	23·2	78	+2	3·3	+0 4	0·8	0	0	5	0	0	5	0	0	0	0	0	26	0
	1730	,,	1010·1	995·5	..	27.3	22·0	19·0	22·1	62	..	4·2	..	4·5	0	0	28	0	0	28	0	0	0	0	0	3	0
Arogyavaram	0830	701	1013·7	935·6	..	20·2	18·2	17·0	19·5	83	..	4 8	..	5·6	0	0	24	0	4	3	2	7	0	0	8	7	0
	1730	,,	1009·2	932·5	..	24·4	19·1	16·0	18·3	61	..	4·9	..	8 8	0	0	31	2	13	10	4	2	0	0	0	0	0
Madras State																												
Madras	0830	6	1013·2	1012·6	..	25·2	23·3	22·3	26·9	85		6·0	..	4·8	0	0	20	3	8	2	3	0	0	1	3	11	0
	1730	,,	1010·3	1009·6	..	25·9	23·3	21·9	26·6	79	..	6·1	..	3·2	0	0	25	4	9	7	2	0	0	0	2	6	1
Madras (Minambakkam)	0230	16	1010·7	1008·9	..	23·4	22·4	21·8	26·3	91	..	4·4	..	5·2	0	0	25	10	4	2	2	0	0	1	6	6	0
	0530	,,	1011·0	1009·2	..	22·9	21·9	21·4	25.5	92	..	4·5	..	4·5	0	0	21	7	2	2	0	0	0	3	7	10	0
	0830	,,	1013·2	1011·4	−1·7	24·7	23·1	22·3	26.9	87	+3	5·9	+1·9	6·1	0	0	24	10	4	2	0	1	1	1	5	7	0
	1130	,,	1012·5	1010·7	..	27·2	23·6	21·8	26·3	73	..	6·2	..	10·8	0	0	30	10	7	8	1	1	0	0	3	1	0
	1430	,,	1009·9	1008·2	..	27·3	23·6	21·7	25·9	72	..	6·1	..	12·0	0	4	27	12	7	8	2	0	0	0	2	0	0
	1730	,,	1010·3	1008·6	..	25·9	23·0	21·4	25·6	77	..	6·0	..	9·5	0	0	31	10	11	9	1	0	0	0	0	0	0
	2030	,,	1012.4	1010·6	..	24·6	22·7	21·8	25·9	85	..	4.5	..	5·9	0	1	25	12	6	3	1	0	0	1	3	5	0
	2330	,,	1012.3	1010·5	..	23·9	22·5	21·7	26·3	88	..	4·3	..	6·0	0	0	27	8	9	4	2	1	0	1	2	4	0
Vellore	0530	214	1011·5	987·2	..	20 9	20·2	19·8	23·3	94	..	4·1	..	0·6	0	0	3	0	3	0	0	0	0	0	0	28	0
	0830	,,	1013.7	989·2	−1·2	22.2	21·0	20·3	23·8	89	+4	5·7	+2·4	1·6	0	0	8	1	6	0	0	0	0	1	0	23	0
	1130	,,	1013·0	988·8	..	26·0	22·0	19·9	23·3	70	..	6.2	..	6·0	0	0	29	5	19	1	1	0	1	0	2	2	0
	1730	,,	1009·8	985.7	..	26·9	21·8	19.1	22.2	64	..	6·2	..	9.0	0	2	29	1	24	3	3	0	0	0	0	0	0
	2330	,,	1013·0	988·5	..	23·0	21·2	20·2	23·8	85	..	4·3	..	0·9	0	0	6	1	3	2	0	0	0	0	0	25	0

(R) Register not received.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean Amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in km. per hour	Wind speed (km. p.h.): 62 or more	Wind speed (km. p.h.): 20 to 61	Wind speed (km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Madras State-(*Contd.*)																											
Tambaram (Aerodrome)	0830	29	1012·9	1009·6	..	24·6	23·4	22·9	27·7	90	..	5·1	..	9·1	0	0	30	14	5	2	0	0	1	2	6	1	0
	1730	..	1010·1	1006·8	..	25·7	23·1	21·8	25·9	79	..	6·0	..	13·2	0	2	28	8	15	5	1	1	0	0	0	1	0
Tiruppattur	0830	390	1012·7	968·7	..	21·4	20·2	19·5	23·0	89	..	7·6	..	2·6	0	0	27	19	2	0	0	0	0	1	3	4	2
	1730	..	1008·5	965·1	..	25·1	21·9	19·8	23·2	70	..	7·6	..	4·7	0	0	28	26	2	0	0	0	0	0	0	3	0
Metturdam	0830	..	..	..	..	24·1	23·0	22.4	27·3	90	..	5·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	26·7	25·5	24·9	31·7	90	..	5·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cuddalore	0530	12	1010·4	1009·0	..	23·1	22·4	22·1	26·6	94	..	5·6	..	0·9	0	0	6	0	4	0	1	0	0	0	1	25	0
	0830	..	1012·8	1011·4	−1.7	23·9	23·1	22·5	27·6	90	+7	6·0	+1·8	4·6	0	0	24	1	18	0	2	0	1	0	2	7	0
	1130	..	1012·2	1010·9	..	26·9	24·0	22·6	27·6	78	..	5·9	..	7·7	0	0	30	2	23	0	3	0	1	0	1	1	0
	1730	..	1009·8	1008·4	..	26·0	23·9	22·9	27·9	83	..	5·7	..	8·7	0	0	30	0	24	1	5	0	0	0	0	1	0
	2330	..	1011·8	1010·5	..	24·5	23·2	22·5	27·3	89	..	5·1	..	2·5	0	0	11	2	7	0	2	0	0	0	0	20	0
Kallakku Richchi	0830	127	1012·9	998·4	..	23·7	22·2	21·4	25·6	87	..	5·3	..	6·6	0	0	25	21	2	0	0	0	0	0	2	6	0
	1730	..	1009·3	995·0	..	26·1	22·6	20·9	24·4	73	..	4·9	..	7·2	0	0	27	5	20	0	2	0	0	0	0	4	0
Salem	0530	278	1010·6	978·9	..	21·5	19·8	18·7	21·8	84	..	4·5	..	2.0	0	0	8	0	4	4	0	0	0	0	0	23	0
	0830	..	1012·7	981·1	−1.8	23·1	20·4	18·8	21·7	77	+2	5·7	+2.6	2·4	0	0	13	0	2	8	2	0	0	0	1	18	0
	1130	..	1011·6	980·2	..	27·3	21·5	18·0	20·9	59	..	5·5	..	6·9	0	0	28	1	3	15	0	0	1	1	0	3	7
	1730	..	1008·4	977·4	..	27·7	21·4	17·6	20·2	56	..	6·1	..	6·5	0	0	26	1	6	18	0	0	0	0	0	5	1
	2330	..	1011·5	980·1	..	23·7	20·6	18·8	21·8	75	..	5·3	..	5·5	0	0	22	0	11	11	0	0	0	0	0	9	0
Coimbatore (Pilamedu)	0530	399	1011·1	965·9	..	20·2	19·7	19·4	22·7	95	..	3·9	..	6·4	0	1	16	7	5	2	0	1	2	0	0	14	0
	0830	..	1013·1	968·0	..	21·9	20·7	19·8	23·5	88	..	5·1	..	9·1	0	0	23	5	14	2	0	2	0	0	0	8	0
	1130	..	1011·8	967·3	..	25·7	22·1	20·1	23·7	72	..	5·5	..	14·3	0	7	22	5	14	5	1	2	2	0	0	2	0
	1730	..	1008·8	964·5	..	26·2	21·9	19·3	22·7	68	..	5·2	..	14·3	0	6	23	2	13	10	4	0	0	0	0	2	0
	2330	..	1012·0	966·9	..	21·7	20·5	19·7	23·1	89	..	3·3	..	9·5	0	1	23	5	8	5	0	2	4	0	0	7	0
Coimbatore	0830	409	1012·5	966·4	−1.8	22·6	20·4	19·2	22·2	81	+2	5·6	+1·8	5·6	0	0	31	0	14	14	1	1	0	1	0	0	0
Nagapattinam	0830	9	1012·6	1011·5	−1.2	25·2	23·2	22·2	26·7	84	+3	6·3	+1·3	13·2	0	9	20	6	10	3	1	1	0	1	7	2	0
	1730	..	1009·3	1008·2	..	26·8	23·8	22·3	27·1	77	..	6·3	..	21·4	0	24	7	6	17	2	2	1	0	0	0	3	0
Tiruchchirapalli	0230	88	1010·2	1000·1	..	22·5	21·6	21·0	25·0	91	..	4·4	..	14·5	0	4	22	4	18	1	0	0	0	1	2	5	0
	0530	..	1010·2	1000·1	..	22·2	21·3	20·8	24·7	92	..	4·6	..	9·2	0	1	23	7	13	0	2	0	0	1	1	7	0
	0830	..	1012·5	1002·4	−2.1	23·8	22·0	21·0	25·0	85	+5	6·0	+2·2	12·3	0	2	25	8	11	1	0	1	0	3	3	4	0
	1130	..	1011·8	1001·8	..	26·6	22·7	20.6	24·4	72	..	6·2	..	17.2	0	12	17	6	14	3	1	0	1	2	2	2	0
	1430	..	1008·7	998·8	..	27·9	23·0	20·4	24·0	65	..	6·5	..	15·8	0	12	17	1	18	4	1	0	2	1	2	2	0
	1730	..	1008·9	998·9	..	26·8	22·7	20·6	24·1	70	..	6·1	..	11·2	0	2	25	2	15	6	3	0	0	0	1	4	0
	2030	..	1011·3	1001·3	..	24·6	22·6	21·5	25·8	83	..	4·8	..	10·7	0	1	26	2	14	8	2	0	1	0	0	4	0
	2330	..	1011·6	1001·5	..	23·2	22·0	21·4	25·5	89	..	4·6	..	11·9	0	4	24	5	14	4	3	0	0	1	1	3	0
Vedaranniyam	0830	4	1011·9	1011·4	..	25·1	23·5	22·8	27·6	88	..	3·8	..	4·0	0	0	31	5	16	1	4	0	1	0	4	0	0
	1730	..	1008·7	1008·2	..	26·6	24·2	23·1	28·3	81	..	3·7	..	6·0	0	0	31	4	17	1	4	0	2	0	3	0	0
Atirampattinam	0830	6	1011·9	1011·2	..	24·5	23·2	22·5	27·3	88	..	5·3	..	6·4	0	0	29	8	9	0	1	3	0	0	8	2	0
	1730	..	1009·1	1008·4	..	26·6	24·1	22·8	27·9	81	..	5·6	..	5·6	0	0	26	8	13	0	1	2	1	0	1	5	0
Madurai	0830	133	1011·2	996·0	−2.9	24·1	21·8	20·5	24·1	80	+3	3·4	−0.8	6·0	0	0	26	16	3	0	0	1	0	0	6	5	0
Madurai (Aerodrome)	0530	131	1010·2	995·2	..	22·4	21·2	20·6	24·3	90	..	4·5	..	7·5	0	0	25	11	13	1	0	0	0	0	0	6	0
	0830	..	1012·3	997·3	..	24·2	21·8	20·5	24·1	80	..	5·5	..	10·2	0	2	26	13	11	0	0	1	0	0	3	3	0
	1130	..	1011·5	996·5	..	26·9	22·5	20·1	23·7	67	..	6·1	..	13·9	0	6	24	8	17	1	0	0	1	0	3	1	0
	1730	..	1008·7	993·9	..	26·7	22·3	19·9	23·4	68	..	5·8	..	11·9	0	2	28	3	18	6	0	1	2	0	0	1	0
Tondi	0830	5	1012·4	1011·8	..	24·8	22·9	22·0	26·3	85	..	5·6	..	9·7	0	1	28	18	3	1	1	3	0	0	3	2	0
	1730	..	1009·2	1008·6	..	26·7	23·7	22·3	26·9	77	..	5·7	..	12·2	0	5	26	7	12	7	2	3	0	0	0	0	0
Pamban	0830	11	1011·7	1010·3	−1·7	25·5	24·0	23·3	28·6	88	+3	6·7	+2·9	12·5	0	4	27	9	10	2	3	1	2	2	2	0	0
	1730	..	1008·9	1007·5	..	26·2	24·0	22·9	28·1	82	..	6·6	..	12·1	0	3	28	7	14	2	3	2	2	0	1	0	0
Tuticorin	0830	4	1012·3	1011·9	−1.9	24·9	22·8	21·8	26·1	83	+5	4·9	+1·0	14·4	0	8	23	17	7	0	0	1	1	1	4	0	0
	1730	..	1009·0	1008·6	..	26·9	24·0	22·6	27·6	78	..	5·8	..	18·2	0	12	19	6	12	5	4	3	1	0	0	0	0
Palayankottai	0830	51	1012·1	1006·6	−1·7	24·8	22·6	21·5	25·6	82	+6	6·2	+1·8	9·2	0	1	28	23	0	0	0	0	1	2	3	2	0
	1730	..	1008·9	1003·2	..	27·0	23·4	21·5	25·8	73	..	6·7	..	7·9	0	0	29	16	2	5	0	1	0	3	2	2	0
Kanniyakumari	0830	37	1011·3	1007·1	..	25·3	22·4	21·0	24·7	78	..	5·3	..	20·5	0	19	12	10	13	1	0	0	2	4	1	0	0
	1730	..	1008·4	1004·3	..	27·2	23·5	21·6	25·9	72	..	5·9	..	16·8	0	10	21	6	11	2	1	2	2	5	2	0	0
Coastal Mysore																											
Karwar	0830	4	1011·7	1011·2	−2·2	24·9	21·5	18·9	21·8	71	+1	3·5	+1·5	6·1	0	0	29	0	3	15	2	0	0	1	0	2	0
	1730	..	1008·5	1007·8	..	29·0	23·7	20·9	24·7	63	..	3·8	..	7·5	0	1	30	1	1	5	3	1	0	6	0	0	5
Honavar	0830	26	1011·1	1008·2	−2·2	24·5	21·3	19.5	22·7	74	+12	4·5	+1.5	4·5	0	0	27	0	11	12	1	1	0	2	0	4	0
	1730		1008·6	1005·7	..	29.2	24·5	22·1	26·9	66	..	3·9	..	4·5	0	0	29	5	1	8	0	4	0	11	0	2	0

Sub-Division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in metres of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in Km. per hour	Wind speed (km. p.h.): 62 or more	Wind speed (km. p.h.): 20 to 61	Wind speed (km. p.h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Coastal Mysore,—(Contd.)																											
Mangalore (Bajpe)	0230	102	1009·2	997·6	..	23·8	22·2	21·3	25·5	86	..	3·7	..	7·0	0	2	21	0	5	14	3	0	0	0	0	8	1
	0530	,,	1009·1	997·5	..	23·1	21·5	20·4	24·4	85	..	3·8	..	8·6	0	3	21	0	2	18	4	0	0	0	0	7	0
	0830	,,	1011·0	999·5	..	25·0	22·0	20·4	24·0	77	..	4·3	..	9·3	0	1	27	0	1	21	6	0	0	0	0	3	0
	1130	,,	1010·6	999·2	..	29·2	22·7	19·0	22·2	56	..	4·5	..	12·7	0	3	26	0	3	18	5	0	0	2	0	2	1
	1430	,,	1007·8	996·5	..	30·6	23·6	19·9	23·4	55	..	4·5	..	13·0	0	2	28	0	0	3	4	1	2	16	3	1	1
	1730	,,	1007·8	996·4	..	28·1	23·3	20·7	24·7	65	..	4·3	..	12·5	0	1	30	0	0	2	4	1	1	21	2	0	0
	2030	,,	1010·1	998·6	..	25·9	23·1	21·8	25·9	79	..	3·8	..	5·3	0	0	20	0	0	2	1	1	1	3	10	11	2
	2330	,,	1010·5	9·8·9	..	24·9	22·7	21·6	25·8	82	..	3·8	..	4·8	0	0	19	0	5	9	4	0	0	1	0	12	0
Mangalore	0830	22	1011·1	1008·7	−2·1	25·2	22·3	20·7	24·6	77	+10	4·3	+1·9	8·2	0	1	30	0	3	17	11	0	0	0	0	0	0
	1730	,,	1008·3	1005·9	..	28·7	24·7	22·8	27·9	71	..	4·0	..	8·1 (a)	0	0	30	1	1	4	2	0	4	4	8	0	6
Interior Mysore, North																											
Bidar	0830	664	1014·3	940·0	..	20·4	16·8	14·5	16·5	70	+8	4·2	+2·2	10·5	0	5	24	0	7	12	6	1	1	0	2	2	0
	1730	,,	1009·9	936·9	..	25·1	16·4	9·6	12·3	39	..	5·3	..	12·6	0	3	28	0	7	10	9	1	1	0	3	0	0
Gulbarga	0830	458	1014·2	962·3	−1·9	21·0	16·3	13·1	15·1	62	+3	4·7	+3·3	7·0	0	0	21	1	3	17	0	0	0	0	0	10	0
	1730	,,	1009·0	958·6	..	28·3	19·2	12·6	15·6	41	..	5·5	..	7·5	0	0	26	0	4	19	0	0	0	3	0	5	0
Bijapor	0830	594	1014·3	947·2	−1·5	19·2	16·1	13·6	16·1	69	+8	3·9	+2·1	3·6	0	0	24	3	1	7	7	3	1	2	0	7	0
	1730	,,	1008·4	943·4	..	27·0	18·5	13·2	15·1	44	..	4·2	..	3·0	0	0	29	4	5	5	10	1	1	2	1	2	0
Raichur	0850	400	1014·0	968·8	−1·6	22·6	18·5	15·8	17·9	68	+3	4·4	+2·7	5·5 (a)	0	1	[illegible]	0	10	0	10	0	3	0	0	6	1
	1730	,,	1009·1	964·9	..	28·0	18·9	12·5	14·5	41	..	4·5	..	5·5	0	0	30	0	19	0	11	0	0	0	0	1	0
Belgaum	0830	753	1013·1	929·4	−1·6	20·1	17·0	14·9	17·1	73	+9	3·2	+1·4	3·7	0	0	18	0	0	16	1	1	0	0	0	13	0
	1730	,,	1008·1	926·5	..	26·0	18·9	14·2	16·6	50	..	4·3	..	5·8	0	0	24	0	3	16	1	3	0	1	0	7	0
Belgaum (Samber)	0530	747	1011·3	927·9	..	18·2	15·5	13·5	15·5	75	..	3·4	..	6·0	0	5	13	0	1	8	2	2	1	1	0	13	0
	0830	,,	1012·8	929·8	..	20·5	16·8	14·2	16·2	68	..	4·6	..	9·9	0	5	22	0	7	14	3	2	0	1	0	4	0
	1130	,,	1011·4	929·7	..	25·0	18·1	13·6	15·6	52	..	4·4	..	13·6	0	7	22	0	5	9	12	2	0	1	0	2	0
	1430	,,	1007·9	926·9	..	26·7	18·2	12·2	14·2	44	..	5·3	..	12·1	0	4	27	1	11	11	5	1	0	2	0	0	0
	1730	,,	1008·0	926·9	..	26·2	17·9	12·0	14·0	45	..	5·0	..	9·1	0	3	26	2	11	8	4	2	1	1	0	2	0
	2030	,,	1011·0	928·8	..	23·8	17·0	13·0	15·0	57	..	4·4	..	5·4	0	2	18	0	4	9	2	0	3	2	0	11	0
Gadag	0530	650	1011·5	938·6	..	19·0	16·8	15·3	17·5	80	..	2·8	..	6·9	0	0	25	0	2	15	4	1	1	1	0	6	1
	0830	,,	1013·4	940·7	−1·6	20·2	18·0	16·6	19·0	82	+20	3·8	+2·0	5·2	0	0	31	2	7	15	5	0	0	2	0	0	0
	1130	,,	1011·7	940·5	..	25·9	20·2	16·9	19·5	59	..	4·1	..	11·2	0	2	29	1	11	11	2	3	1	0	1	0	1
	1430	,,	1008·2	937·7	..	28·1	20·9	16·7	19·5	51	..	4·4	..	11·0	0	4	26	2	9	9	3	1	1	0	1	1	4
	1730	,,	1008·5	937·6	..	26·6	20·0	16·1	18·5	56	..	4·8	..	6·3	0	0	31	2	13	12	1	0	2	1	0	0	0
	2030	,,	1011·4	939·5	..	22·9	18·4	15·5	17·8	65	..	3·3	..	7·0	0	0	28	2	9	14	1	0	0	2	0	3	0
	2330	,,	1012·1	939·6	..	21·0	17·5	15·1	17·4	71	..	2·9	..	7·8	0	1	26	1	1	18	4	1	0	2	0	4	0
Interior Mysore South																											
Bellary	0830	449	1013·6	962·7	−1·9	20·9	19·1	18·0	20·6	85	+18	2·8	+0·2	4·2	0	0	18	0	0	14	4	0	0	0	0	13	0
	1730	,,	1008·8	959·3	..	27·5	20·5	16·0	18·4	52	..	3·6	..	7·9	0	0	31	0	3	23	5	0	0	0	0	0	0
Chitradorga	0830	733	1012·8	931·2	−1·7	20·1	17·7	16·1	18·5	78	+10	4·2	+1·5	7·0	0	0	26	0	0	21	0	2	0	2	1	5	0
	1730	,,	1008·2	928·4	..	25·4	18·4	13·7	16·1	51	..	4·3	..	8·8	0	0	31	2	5	19	0	1	1	3	0	0	0
Shimoga	0830	571	1012·0	948·0	−2·5	20·4	18·0	16·4	18·9	79	+3	5·6	+2·8	3·9	0	0	30	1	6	13	3	5	2	0	0	1	0
	1730	,,	1007·2	944·8	..	26·8	19·7	15·2	17·7	52	..	5·3	..	5·0	0	0	24	1	9	9	2	0	2	1	0	7	0
Ahumbe	0830	..	..	..	..	20·2	18·4	17·3	19·9	81	..	..	..	8·9	0	1	30	0	20	6	0	1	3	0	1	0	0
Balehonnur	0830	..	..	..	..	20·1	17·7	16·3	18·5	79	+3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hassan	0830	960	1515·2	907·2	..	18·3	16·8	15·7	18·1	86	+11	4·2	+1·0	3·3	0	0	31	2	0	16	6	1	0	5	1	0	0
	1730	,,	1495·1	903·9	..	24·6	18·1	13·6	16·0	52	..	5·6	..	3·4	0	0	31	1	10	12	3	1	1	3	0	0	0
Bangalore	0530	921	1502·7	910·1	..	18·0	17·1	16·5	18·8	90	..	4·0	..	8·0	0	0	28	0	4	19	3	0	2	0	0	3	0
	0830	,,	1519·1	911·7	−1·1	18·8	17·2	16·2	18·4	85	+7	4·9	+1·4	8·1	0	0	29	0	7	14	4	1	3	0	0	2	0
	1130	,,	1525·0	911·4	..	23·0	18·2	15·4	17·4	63	..	5·2	..	11·3	0	3	28	0	9	11	6	1	0	4	0	0	0
	1430	,,	1507·4	909·2	..	24·8	18·6	14·5	16·9	55	..	5·6	..	10·0	0	1	29	0	8	13	5	0	2	2	0	1	0
	1730	,,	1505·2	909·4	..	23·6	18·2	14·7	16·9	59	..	5·6	..	8·2	0	0	27	0	7	14	2	1	3	0	0	4	0
	2030	,,	1515·5	910·9	..	21·3	17·6	15·7	17·4	74	..	3·3	..	7·4	0	0	28	0	7	19	2	0	0	0	0	3	0
Bangalore (Aerodrome)	0530	897	1495·9	912·1	..	17·4	16·7	16·3	18·5	93	..	4·4	..	6·5	0	0	24	0	3	17	2	0	0	2	0	7	0
	0830	,,	1516·9	914·1	..	18·8	17·3	16·4	18·6	90	..	5·5	..	9·5	0	0	31	0	5	18	3	2	0	3	0	0	0
	1130	,,	1522·1	913·7	..	21·1	17·9	14·5	16·5	60	..	5·1	..	15·6	0	8	23	0	5	16	5	1	1	3	0	0	0
	1730	,,	1500·4	911·3	..	23·8	18·3	14·2	16·2	60	..	5·5	..	12·7	0	2	29	0	6	17	3	0	3	2	0	0	0
	2330	,,	1510·9	913·6	..	19·1	17·5	16·5	18·8	85	..	3·5	..	8·8	0	2	25	0	1	23	1	0	1	0	0	4	1
Mysore	0830	767	1012·8	927·6	−1·5	20·3	17·8	16·3	18·5	78	+4	3·5	+0·1	5·7	0	0	31	3	1	1	4	6	11	0	5	0	0
	1730	,,	1007·7	924·5	..	26·0	18·4	13·2	15·6	47	..	3·8	..	9·2	0	0	31	5	14	5	1	4	2	0	0	0	0

(a) Mean of 30 days.

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (km.p.h.): 62 or more	Wind speed (km.p.h.): 20 to 61	Wind speed (km.p.h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Kerala																											
Calicut	0530	5	1009·6	1009·0	..	23·9	23·0	22·7	27·3	92	..	1·8	..	4·3	0	0	23	0	3	18	2	0	0	0	0	8	0
	0830	,,	1011·8	1010·7	−1·7	25·3	23·0	21·8	26·3	81	+4	3·6	+0·9	6·0	0	1	23	1	0	21	0	2	0	0	0	7	0
	1130	,,	1011·1	1010·5	..	29·1	24·5	22·3	26·9	67	..	3·9	..	(a) 4·8	0	0	24	1	0	1	1	2	10	9	0	6	0
	1730	,,	1008·6	1008·0	..	28·6	24·7	22·8	27·9	72	..	4·7	..	7·5	0	0	31	0	1	1	2	1	10	4	12	0	0
	2330	,,	1010·7	1010·1	..	25·5	23·9	23·1	28·6	87	..	2·5	..	4·3	0	1	17	1	3	13	1	0	0	0	0	13	0
Palghat	0830	97	1011·9	1000·8	..	25·8	22·3	20·4	24·1	73	..	3·5	..	9·3	0	0	30	0	0	26	0	0	0	4	0	1	0
	1730	,,	1008·1	997·2	..	28·6	22·9	19·7	23·2	61	..	4·4	..	7·4	0	0	30	0	0	24	1	0	0	4	1	1	0
Fort Cochin	0830	3	1011·2	1010·9	−1·7	26·3	23·8	21·7	26·1	76	+3	6·5	+3·9	5·2	0	0	30	1	13	12	1	0	1	2	0	1	0
	1730	,,	1008·3	1008·0	..	27·7	24·2	22·6	27·7	76	..	6·5	..	5·9	0	0	30	1	2	1	5	0	4	13	4	1	0
Cochin (Naval Air Station)	0230	3	1009·5	1009·2	..	24·4	23·5	23·1	28·3	92	..	4·5	..	2·4	0	2	8	1	3	4	2	0	0	0	0	21	0
	0530	,,	1009·5	1009·2	..	23·6	22·6	22·0	26·6	91	..	4·5	..	4·2	0	2	17	2	8	5	1	1	1	0	0	12	0
	0830	,,	1011·4	1011·1	..	25·5	23·0	21·7	26·1	80	..	5·5	..	5·3	0	0	24	3	7	11	0	1	1	0	0	7	0
	1130	,,	1011·1	1010·9	..	28·5	23·8	21·3	25·5	66	..	5·0	..	5·7	0	0	24	1	5	7	1	0	1	0	0	7	0
	1730	,,	1008·3	1008·0	..	28·1	24·0	22·0	26·5	70	..	6·1	..	8·8	0	0	28	1	1	1	1	6	10	10	3	3	0
	2330	,,	1010·9	1010·6	..	25·5	23·9	23·1	28·3	87	..	5·3	..	3·5	0	1	11	1	3	2	5	0	0	0	1	19	0
Alleppey	0830	4	1011·2	1010·8	−1·1	25·7	23·8	23·0	27·9	85	+9	4·9	+0·9	9·2	0	2	29	0	9	10	12	0	0	0	0	0	0
	1730	,,	1008·3	1007·9	..	28·1	24·9	23·4	28·9	76	..	5·2	..	17·1	0	9	22	1	0	2	3	0	3	8	14	0	0
Punalur	0830	34																									
(R)	1730	,,																									
Trivandrum	0230	64	1009·1	1001·7	..	23·8	22·5	21·8	26·3	89	..	4·3	..	4·0	0	0	19	3	8	4	1	0	1	0	2	12	0
	0530	,,	1009·2	1001·9	..	23·2	22·2	21·7	25·9	91	..	3·9	..	4·5	0	0	23	3	9	4	2	0	1	0	4	8	0
	0830	,,	1011·3	1004·0	−1·2	25·1	23·2	22·3	26·9	85	+5	5·0	+1·4	4·3	0	0	27	2	9	9	4	0	1	0	2	4	0
	1130	,,	1010·7	1003·6	..	28·3	23·9	21·7	25·9	68	..	5·8	..	6·2	0	0	29	3	4	0	3	5	3	3	6	2	2
	1430	,,	1008·1	1000·9	..	28·4	24·0	21·8	26·1	68	..	5·6	..	9·0	0	1	30	1	3	1	1	2	5	12	4	0	2
	1730	,,	1008·5	1001·3	..	27·1	23·8	22·3	26·9	75	..	5·5	..	6·1	0	0	29	1	1	3	2	1	5	8	7	2	1
	2030	,,	1010·7	1003·4	..	25·6	23·5	22·4	27·1	83	..	4·5	..	2·5	0	0	15	2	2	1	1	0	2	4	3	16	0
	2330	,,	1010·7	1003·4	..	24·5	23·0	22·3	26·9	88	..	4·8	..	6·5	0	0	27	6	9	3	3	0	0	3	3	4	0
Trivandrum (Aerodrome)	0830	8	1011·5	1010·6	..	26·0	23·3	21·9	26·3	78	..	5·4	..	5·4	0	1	18	2	9	4	3	0	1	0	0	12	0
Andaman Sea Islands																											
Port Blair	0530	4	1008·1	1007·7	..	25·8	23·7	22·7	27·6	83	..	3·8	..	11·7	0	8	13	8	5	2	1	0	1	3	1	10	0
	0830	,,	1010·1	1009·6	..	26·8	24·3	23·1	28·3	81	+12	5·3	+2·3	9·4	0	6	14	5	5	2	2	0	0	5	1	11	0
	1130	,,	1010·2	1009·7	..	29·1	25·0	23·1	28·1	71	..	5·1	..	11·9	0	5	25	8	9	6	1	0	0	6	0	1	0
	1730	,,	1007·5	1007·1	..	28·4	24·8	23·0	27·9	73	..	5·5	..	9·1	0	7	14	4	6	3	2	0	0	4	2	10	0
	2330	,,	1009·6	1009·2	..	26·3	23·9	22·8	27·7	81	..	3·8	..	10·9	0	8	14	7	4	3	1	0	0	4	2	9	1
Agatti	0830	4	1010·1	1009·6	..	27·2	24·4	23·3	28·6	79	..	6·0	..	7·1	0	4	24	6	9	6	0	0	0	4	3	3	0
	1730	,,	1008·2	1007·5	..	28·2	24·5	22·7	27·6	72	..	5·9	..	10·6	0	6	25	13	6	4	0	0	0	1	7	0	0
Andooth	0830	5	1010·7	1010·2	..	27·3	24·7	23·4	28·8	80	..	4·8	..	4·6	0	0	25	8	6	0	0	0	1	3	2	6	5
	1730	,,	1008·0	1007·5	..	28·1	24·8	23·2	28·4	75	..	5·5	..	3·4	0	0	22	2	3	2	0	0	0	2	10	9	3
Minicoy	0530	2	1009·0	1008·8	..	25·3	23·4	22·5	27·3	85	..	4·5	..	4·8	0	2	11	0	3	1	1	1	1	4	1	18	1
	0830	,,	1010·9	1010·7	−1·5	27·2	24·5	23·2	28·6	79	+5	4·9	+1·6	6·5	0	2	19	1	2	4	3	0	1	7	3	10	0
	1130	,,	1010·9	1010·7	..	28·7	24·9	23·1	28·4	72	..	5·0	..	8·9	0	2	27	6	3	7	3	0	1	6	3	2	0
	1430	,,	1008·6	1008·4	..	28·6	24·9	23·2	28·4	73	..	5·4	..	7·8	0	1	24	3	3	4	3	0	1	7	4	6	0
	1730	,,	1008·4	1008·2	..	27·4	24·4	22·8	27·6	74	..	5·3	..	8·3	0	3	24	8	5	1	1	1	1	6	4	4	0
	2030	,,	1010·4	1010·2	..	26·3	23·9	22·8	27·7	81	..	4·4	..	7·3	0	2	18	2	2	2	2	1	0	7	4	11	0
	2330	,,	1010·6	1010·4	..	26·1	23·9	22·8	27·7	83	..	4·7	..	8·8	0	3	19	3	5	3	2	1	0	5	3	9	0
Hill Stations excluding Kashmir																											
Dalhousie	0830	1959	1463·2	801·0	−0·2	8·5	4·4	−2·5	5·0	53	−2	0·4	−1·4	0·6	0	0	5	0	1	0	3	0	0	0	0	26	1
	1730	,,	1454·6	800·1	..	7·6	4·9	1·5	6·9	67	..	0·6	..	0·4	0	0	4	0	3	0	1	0	0	0	0	27	0
Dharmsala	0830	1211	1568·2	887·5	+0·6	11·7	5·9	−2·0	5·2	36	−22	1·6	−1·0	0·6	0	0	16	6	6	0	0	0	0	0	4	15	0
	1730	,,	1565·7	886·7	..	15·3	8·7	0·6	6·4	38	..	2·0	..	1·1	0	0	31	0	0	0	2	3	24	2	0	0	0
Simla	0830	2202	1509·1	782·1	−1·0	6·9	1·4	−9·1	2·8	35	+1	1·3	−1·5	1·0	0	0	15	1	0	0	4	7	2	1	0	16	0
	1730	,,	1508·9	782·3	..	7·4	3·5	−1·9	5·2	53	..	1·0	..	0·5	0	0	7	0	1	0	2	1	3	0	0	24	0
Lokpal	0830	,,	..	..	..	−10·1	−14·1	−48·0	0·5	2	..	1·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0
Pachmarhi	0830	,,	..	Closed during winter months																							
Joshimath	0830	,,	..	812·3	..	5·0	−0·3	−10·7	2·6	32	..	1·2	..	6·5	0	0	31	0	0	10	15	4	1	1	0	0	0
	1730	,,	..	809·8	..	10·3	3·6	−7·2	3·4	29	..	1·4	..	4·4	0	0	31	0	0	2	2	4	11	10	2	0	0

(a) Mean of 30 days

Sub-Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g. p. m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (km. p. h.): 62 or more	Wind speed (km. p. h.): 20 to 61	Wind speed (km. p. h.): 1 to 19	No. of observations, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hill Stations excluding Kashmir— (*contd.*)																											
Mussoori	0830	2042	1513·4	797·8	−1.2	7·6	2·6	−5·0	4·1	44	−1	1·2	−1·4	1·1	0	0	14	3	0	0	3	4	2	0	2	17	0
	1730	,,	1517·3	796·6	..	7·9	4·6	0·8	6·4	61	..	0·1	..	2·4	0	0	25	3	2	0	7	9	3	0	1	6	0
Mukteswar (Kumaon)	0830	2311	3125·5	773·7	−0 3	6.7	1·4	−9·5	2·7	37	−2	1·0	−1·3	9·0	0	3	23	0	6	6	3	2	1	4	4	5	0
	1730	,,	3110·2	772·3	..	6·4	2·8	−2·9	5·0	55	..	1·0	..	5·0	0	1	18	0	1	3	0	1	1	9	4	12	0
Nainital	0830	1953	1520·1	806·6	0	5·9	1·9	−4·6	4·1	48	−11	0·9	−1·4	6·9	0	0	12	0	2	2	2	0	0	3	3	19	0
	1730	,,	1501·2	804·8	..	6·5	3·5	−0·5	5·9	62	..	1·2	..	9·1	0	0	30	0	0	1	2	1	0	23	3	1	0
Kalimpong	0830	1209	1526·1	883·3	−0·4	12·7	10·1	7·7	10·5	72	−1	0·3	−1·9	6·7	0	0	31	0	0	0	0	0	0	0	31	0	0
	1730	,,	1504·0	879·9	..	13·1	10·5	8·1	10·8	69	..	0·6	..	4·8	0	0	31	0	1	0	29	0	1	0	0	0	0
Darjeeling	0830	2128	1550·3	793·6	+3·1	9·7	5·7	1·1	6·6	56	−10	1·5	−1·1	1·3	0	0	10	5	2	0	1	1	1	0	0	21	0
	1730	,,	1527·5	791·1	..	7·9	5·7	3·3	7·7	73	..	2·9	..	0·3	0	0	2	1	0	0	0	0	1	0	0	29	0
Kohima	0830	1406	1578·1	867·9	..	13·6	11·6	9·9	12·2	79	..	2·5	..	2·3	0	0	31	0	0	0	0	0	0	0	31	0	0
	1630	,,	1536·6	863·4	..	14·2	12·7	11·5	13·6	85	..	4·1	..	2·1	0	0	31	0	0	0	0	0	0	0	31	0	0
Shillong	0830	1560	1532·8	853·7	+0·8	15·3	9·5	3·3	7·7	47	−22	(b) 2·4	+1·0	(b) 1·4	0	0	3	0	2	0	0	0	1	0	0	26	0
	1730	,,	1509·2	851·2	..	13·0	11·1	9·5	11·9	80	..	(c) 7·7	..	(c) 0	0	0	0	0	0	0	0	0	0	0	0	28	0
Cherrapunjee	0830	1313	1529·9	871·9	0	15·0	10·8	6·9	9 9	60	0	2·4	+0·6	4·8	0	0	29	1	19	1	2	0	4	0	2	2	0
	1730	,,	1506·4	869·9	..	13·5	11·1	9·0	11·5	75	..	3·0	..	2·1	0	0	15	0	4	2	4	1	4	0	0	16	0
Abu	0830	1195	1512·0	882·7	−2·1	13·1	7·9	1·1	6·6	46	+2	0·1	−1·3	0·4	0	0	3	1	2	0	0	0	0	0	0	28	0
	1730	,,	1504·3	881·0	..	17·4	10·2	2·0	7·1	37	..	0·3	..	0·9	0	0	10	3	2	0	0	0	0	1	4	21	0
Aijal	0830	,,	..	892·9	..	17·9	14·4	11·7	13·7	68	..	(b) 3·3	..	(p) 3·2	0	0	15	0	1	11	0	1	1	1	0	0	0
	1730	,,	..	891·6	..	18·3	15·5	13·6	15·6	74	..	(a) 3·2	..	..	0	0	..	..	..	..	..	..	..	..	..	..	..
Pachmarhi	0830	1075	1529·5	897·3	−1·0	13·9	9·9	5·6	9·3	60	−2	2·6	+0·9	1·1	0	0	12	0	3	4	1	2	2	0	0	19	0
	1730	,,	1517·3	895·2	..	19·0	11·9	4·6	8·8	41	..	2·9	..	2·5	0	0	27	6	10	3	0	0	0	0	8	4	0
Mahabaleshwar	0830	1382	1518·0	863·9	−1·4	15·7	12·2	8·8	11·7	65	+10	1·6	+0·2	12·2	0	0	31	1	9	1	19	0	0	0	1	0	0
	1730	,,	1504·0	862·3	..	21·0	15·3	10·6	13·2	54	..	2·2	..	10·1	0	0	31	0	11	0	19	0	1	0	0	0	0
Mercara	0830	1152	1507·2	886·4	−1·0	17·0	15·9	15·3	17·3	89	+6	4·1	−0·1	13·7	0	8	23	2	23	5	0	1	0	1	0	0	0
	1730	,,	1494·2	884·4	..	22·0	17·6	14·9	16·9	68	..	4·2	..	8·3	0	2	29	0	21	4	0	0	1	0	5	0	0
Ootacamund	0830	2249	1521·6	780·3	−0·1	11·9	9·6	8·0	10·3	74	+10	3·5	+0·5	3·1	0	0	15	0	6	6	1	1	1	0	0	16	0
	1730	,,	1486·4	777·8	..	14·3	11·8	9·8	12·0	76	..	5·0	..	4·0	0	0	24	0	7	11	2	0	2	2	0	7	0
Coonoor (R)	0830																										
Kodaikanol	0830	2343	3150·5	771·5	−0·2	12·8	9·7	7·1	10·1	70	+6	5·7	+2·2	14·4	0	8	23	5	11	3	3	2	1	5	1	0	0
	1130	,,	3155·0	771·4	..	14·9	11·7	9·3	11·7	71	..	5·6	..	14·8	0	8	23	5	11	3	4	2	1	3	2	0	0
	1730	,,	3130·7	769·7	..	12·6	11·0	9·4	12·1	84	..	6·8	..	12·8	0	7	23	6	6	1	5	2	1	3	6	1	0
Nepal																											
Katmandu	0830	1324	1527·1	871·6	..	4·0	3·5	2·9	7·5	93	..	4·0	..	0·6	0	0	6	0	0	0	0	0	0	2	4	25	0
	1130	,,	1524·0	870·5	..	15·1	10·0	4·9	8·7	51	..	1·5	..	0·6	0	0	10	1	0	0	3	1		0	5	21	0
	1730	,,	1503·7	868·6	..	12·0	8·7	5·2	8·9	63	..	1·5	..	0·8	0	0	8	3	0	0	0	1	0	1	3	23	0
Sikkim																											
Lachen	0830	..	..	..	..	5·4	1·9	−3·3	4·6	58	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hydrometeorological Observatories Damodar Catchment																											
Tiliaya	0830	..	..	..	..	17·3	12·6	8·0	10·7	55	..	1·5	..	4·2	0	0	22	2	0	0	0	0	2	7	11	9	0
	0730	..	..	..	..	18·9	13·0	7·3	10·2	48	..	1·1	..	3·3	0	0	24	0	0	0	0	0	0	10	14	7	0
Hazaribagh	0830	615	1016·6	946·1	..	15·1	11·9	9·2	11·6	69	..	1·9	..	3·1	0	0	17	6	0	3	2	0	0	3	3	14	0
	1730	,,	1013·9	943·7	..	15·5	12·4	9·9	12·2	69	..	1·1	..	1·8	0	0	12	3	0	1	0	0	0	3	5	19	0
Konar	0830	..	..	..	..	18·2	15·2	12·5	14·9	69	..	0·2	..	4·3	0	0	31	0	0	0	0	0	1	30	0	0	0
	1730	..	..	..	..	20·9	17·4	14·7	17·0	69	..	0·1	..	4·5	0	0	31	0	0	0	0	0	2	29	0	0	0
Bokaro	0830	242	1016·5	988·1	..	15·7	11·9	8·2	10·9	62	..	1·2	..	3·2	0	0	28	1	0	0	0	0	6	11	10	3	0
	1730	,,	1013·4	985·3	..	17·5	13·7	10·4	12·6	64	..	1·1	..	3·6	0	0	26	11	8	0	0	0	0	1	6	5	0
Maithon	0830	..	..	..	..	20·7	14·4	8·9	11·4	48	..	2·2	..	3·6	0	0	31	5	8	0	0	0	0	3	15	6	0
	1730	..	..	..	..	22·3	15·5	9·7	12·0	45	..	2·0	..	3·2	0	0	31	0	8	0	0	0	1	2	20	0	0
Ramgarh	0830	..	..	..	..	15·9	12·1	8·4	11·0	64	..	2·5	..	3·7	0	0	27	3	2	3	1	0	0	15	3	4	0
	1730	..	..	..	..	18·0	13·5	9·4	11·8	58	..	2·6	..	2·0	0	0	18	6	1	1	1	0	0	3	6	13	0
Panchet Hills	0830	..	..	..	..	17·4	13·8	10·9	13·0	65	..	1·6	..	3·3	0	0	26	0	1	0	0	0	6	0	19	5	0
	1730	..	..	..	..	20·8	15·2	10·4	12·6	53	..	1·6	..	1·6	0	0	13	0	1	0	0	0	3	0	9	18	0
Durgapur	0830	..	..	..	..	17·0	13·4	10·2	12·4	64	..	3·1	..	5·9	0	0	31	6	1	0	0	0	0	0	24	0	0
Mahanadi Catchment	1730	..	..	..	..	23·0	15·5	9·1	11·5	42	..	3·4	..	5·3	0	0	31	7	6	0	0	2	0	0	16	0	0
Ginabahar	0830	..	..	..	..	15·8	11·8	8·3	10·9	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

(R) Register not received. (a) Mean of 30 days. (b) Mean of 29 days. (c) Mean of 28 days. (p) = Mean of 15 days

Sub Division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g. p. m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity%	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed in Km. per hour	Wind speed (km. p. h.): 62 or more	Wind speed (km. p. h.): 20 to 61	Wind speed (km. p. h.): 1 to 19	No. of observations: Wind direction: N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Hydrometeorological Observatories (*contd*) **Mahanadi catchment**—*contd.*																										
Hirakud	0830	159	1016·4	997·9	..	19·	15·4	11·8	13·8	60	..	1·7	..	2·6	0	0	21	13	4	2	0	0	0	1	1	10
	1130	,,	1015·1	997·0	..	24·5	16·8	10·7	12·9	42	..	2·2	..	3·1	0	0	29	12	1	6	0	0	0	1	8	2
	1730	,,	1012·4	994·3	..	23·5	16·8	11·9	13·7	48	..	1·6	..	0·6	0	0	3	0	1	0	0	0	0	0	2	28
Bhimkund	0830	..	..	..	..	17.2	13·2	9·6	11·9	61	..	2·4	..	1·3	0	0	14	1	0	0	0	0	0	0	13	17
	1730	..	..	..	..	22·9	18·8	9·9	12·2	43	..	2·4	..	0·3	0	0	4	1	1	0	0	0	0	0	2	27
Sonepur	0830	..	..	..	..	20·1	18·2	17.0	19·4	82	..	..	..	0.8	0	0	7	2	0	3	0	0	0	2	0	24
Khijrawan	0830	..	..	..	..	18·4	13·0	7·7	10·7	51	..	4·2	..	3·0	0	0	27	0	4	0	13	6	3	0	1	4
	1730	..	..	..	..	25·1	15·5	6·0	9.8	31	..	5·2	..	6·5	0	0	31	7	8	2	1	1	4	1	7	0
Narmada Catchment																										
Bagra Tawa	0830	..	..	..	..	14·7	11·3	7·7	10·7	64	..	2·6	..	7·5	0	0	24	3	14	3	0	1	3	0	0	7
	1730	..	..	..	..	23·4	15·3	7·7	10·8	40	..	2·6	..	8·1	0	2	26	2	19	4	1	1	0	1	0	3
Punasa	0830	..	..	..	..	17.1	12·2	7·3	10·2	54	..	2·5	..	7·3	0	0	31	7	9	4	6	2	1	0	2	0
	1730	..	..	..	..	20·8	13·7	6·6	9·9	42	..	1·9	..	6.4	0	0	31	6	7	9	4	1	1	2	1	0
Thinkri	0830	..	..	..	..	20·4	13·9	7·5	10·7	46	..	2·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sabarmati Catchment																										
Daroi	0830	..	..	..	..	16·3	10·6	4·0	8·2	45	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	27·5	17·0	7·9	10·9	29	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..
Gandak Catchment																										
Jomosom	0830	..	..	..	..	2·2	0·8	−0·9	5·8	81	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	6·7	2·5	−2·9	4·9	51	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Khudr Bazar	0830	..	..	..	..	11·5	8·3	4·9	8·7	64	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	15·3	11·3	7·6	10·4	60	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Timure	0830	..	..	..	..	5·9	1·5	−5·9	3·8	45	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	9·9	5·8	0·9	6·6	54	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pokhara	0830	..	..	..	..	11·7	8·9	5·8	9·3	67	..	1·2	..	2·2	0	0	17	10	1	0	2	0	1	0	2	14
	1130	..	..	..	..	17·1	12·0	7·3	10·2	53	..	1·2	..	3·3	0	0	26	0	0	2	14	6	2	0	0	5
	1730	..	..	..	..	14·7	11·4	8·6	11·2	67	..	1·3	..	0·8	0	0	9	5	3	1	0	0	0	0	0	22
Gorkha	0830	..	..	..	..	12·8	9·9	7·1	10·1	69	..	0·8	..	..	..	..	..	*4	2	1	0	0	18	1	2	3
	1130	..	..	..	..	16·1	12·2	8·8	11·3	62	..	0·9	..	..	..	..	..	*0	0	0	1	3	25	1	0	1
	1730	..	..	..	..	13·5	10·0	6·5	9·7	63	..	0·9	..	..	..	..	..	*1	3	0	2	0	6	1	16	2
Nuwakot**	0830	..	..	..	..	11·7	9·5	7·3	10·3	75	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	14·3	10·2	6·0	9·4	58	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghagara Catchment (Trans Himalayan Region)																										
Dailekh (R)	0830	..																								
(R)	1730	..																								
Ghaghara Catchment																										
Dadeldhura	0830	..	..	..	..	8·8	3·7	−4·1	4·6	43	..	0·7	..	4·5	0	0	26	0	1	7	10	4	0	3	1	5
	1130	..	..	..	..	11·5	5·4	−3·0	5·0	39	..	0·7	..	4·5	0	0	29	7	3	6	2	0	0	1	10	2
	1730	..	..	..	..	8·9	4·4	−1·9	5·5	49	..	0·9	..	2·8	0	0	25	2	0	3	0	1	2	9	8	6
Sailyana	0830	..	..	..	..	11·5	6·7	0·4	6·4	48		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	13·3	8·7	3·6	8·0	53	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Butwal	0830	..	..	..	..	17·3	12·7	8·3	11·0	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	18·5	15·0	12·2	14·2	67	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Baghmati Catchment																										
Katmandu†	0830	1324																								
	1130	..																								
	1730	..																								
Kosi Catchment																										
Chautara (R)	0830	..																								
(R)	1730	..																								
Walungchung Gola	0830	..	..	..	..	3·2	1·9	0·4	6·3	83	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	1·5	1·0	0·4	6·3	93	..	..	..	..	..	..		..	..	..	..	..	..	..	..	..
Taplethok (R)	0830	..											..	..												
	1730	..																								
Bhojpur	0830	..	..	..	..	15·0	9·6	4·6	8·5	50	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	11·4	8·5	5·5	9 2	70	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taplejung	0830	..	..	..	..	7·6	5·1	2·1	7·2	69	..	1·3	..	1·5	0	0	14	0	2	1	0	8	3	0	0	17
	1130	..	..	..	..	13·9	8·7	3·7	8·0	51	..	1·3	..	3·1	0	0	22	8	1	0	0	3	1	3	6	9
	1730	..	..	..	..	10·4	6·8	3·0	7·6	61	..	1·6	..	9·0	0	2	26	0	0	1	3	23	1	0	0	3

Included under Nepal. *Estimated. **Observations for 29 days. (R) Register not received.

Sub Div on and sta s	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in millibars: At mean sea level or height in g.p.m. of nearest standard isobaric level	Mean pressure in millibars: At station level	Mean pressure in millibars: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative humidity %	Departure from normal	Cloud amount (Oktas): Mean amount	Cloud amount (Oktas): Departure from normal	Mean wind speed, in km. per hour	Wind speed (k.m p.h.): 62 or more	Wind speed (k.m p.h.): 20 to 61	Wind speed (k.m p.h.): 1 to 19	No. of observation, Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7		9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Hydrometeorological Observatories (*Contd.*) **Kosicatchment** (contd.)																											
Okhaldhunga .	0830	..	..	..	..	10·4	6·2	1·3	6·8	55	..	0·9	..	1·3	0	0	13	0	0	3	1	3	1	0	4	18	1
	1130	..	..	..	..	14·8	8·6	2·4	7·4	44	..	1·0	..	1·9	0	0	20	0	0	1	1	5	4	7	2	11	0
	1730	..	..	..	..	9·5	6·9	4·1	8·3	70	..	1·0	..	2·3	0	0	21	5	1	3	1	0	1	6	4	10	0
Chainpur . .	0830	..	..	..	..	12·3	9·5	6·8	9·9	69	..	..	..	..	..	..	..	..	..	..	0	..	..	..	..	..	0
	1730	..	..	..	..	13·3	11·2	9·5	11·8	78	..	..	..	..	..	..	..	..	..	..	0	..	..	..	..	..	0
Anghung (R)	0830				..																						
(R)	1730				..																						
Barahkshetra .	0830	146	1018·9	1008·4	..	14·9	11·7	8·7	11·3	67	..	1·1	..	4·4	0	0	28	0	1	8	14	2	2	0	0	3	1
	1130	,,	1015·7	998·9	..	21·6	15·0	9·5	11·9	46	..	1·3	..	2·5	0	0	18	0	0	1	1	2	7	4	3	13	0
	1730	,,	1013·8	996·7	..	16·8	14·1	11·8	13·9	72	..	0·7	..	3·9	0	0	30	0	1	24	5	0	0	0	0	1	0
Tista Catchment					..						..																
Gangtok . .	0830	1812	1527.2	821·6	..	7·9	5·2	2·0	7·2	67	..	1·4	..	0.7	0	0	7	2	5	0	0	0	0	0	0	24	0
	1130	,,	1512.6	820.8	..	14·5	9·0	3·7	8·0	49	..	2·1	..	3·4	0	0	21	1	0	0	0	3	15	1	1	10	0
	1730	,,	1502.2	819·3	..	10·2	7.2	4·3	8.3	67	..	4·0	..	0·8	0	0	8	0	0	0	3	2	3	0	0	23	0
Gezing . .	0830	..	..	..	..	12·8	8·3	3·9	8·1	55	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	11·8	8·6	5·6	9.1	65	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..	..

(R) Registers not received.

TABLE III (A)
EXTREMES OF MAXIMUM AND MINIMUM TEMPERATURES (°C) AND HEAVIEST RAINFALL (MILLIMETRES) IN 24 HOURS BASED ON DATA UP TO 1965 (1886-1887 Saka)

In Table III (A)—

X=Highest Maximum Temperature.

N=Lowest Minimum Temperature.

R=Heaviest Rainfall in 24 hours ending at 0830 hrs. I.S.T.

TABLE III (A)—EXTREMES OF MAXIMUM AND MINIMUM TEMPERATURE (°C) A

Sub-Division & Station	January			February			March			April			May			June		
	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R
Bay-Islands																		
Maya Bandar	33·9 1953	16·8 1957	63·2 1961	32·5 1965	16·7 1961	42·8 1962	34·0 1962	18·9 1955	41·4 1965	36·1 1955	18·9 1953	120·4 1965	35·0 1952	17·2 1952	40·20 1961	36·1 1952	21·1 1963	213· 195
Long Island	31·7 1958	18·2 1965	62·5 1962	33·3 1959	15·6 1953	156·0 1960	35·6 1959	18·2 1965	50·0 1959	36·1 1953	19·2 1965	100·3 1953	37·1 1965	20·7 1965	186·2 1955	33·3 1961	19·7 1965	209· 195
Port Blair	32·7 1958	16·7 1940	208·3 1922	33·4 1964	17·2 1949	131·4 1902	35·1 1958	17·8 1949	67·1 1881	36·1 1889	19·9 1965	206·8 1922	36·1 1889	17·1 1961	264·9 1891	35·6 1933	18·9 1961	258· 190
Car Nicobar	31·5 1958	16·1 1956	104·1 1954	35·0 1954	16·1 1956	82·5 1956	33·2 1958	16·8 1957	53·3 1953	34·1 1958	19·4 1960	99·6 1956	34·0 1963	21·1 1952	243·8 1964	32·2 1962	21·6 1964	146· 196
Nancowry	33·9 1954	21·7 1956	153·3 1964	34·4 1964	20·0 1956	91·2 1956	35·0 1954	21·1 1956	51·4 1961	36·7 1952	20·6 1952	82·7 1961	36·1 1952	18·9 1952	154·0 1960	32·3 1962	21·1 1956	257· 196
Kondul	30·0 1953	20·6 1956	168·7 1953	30·6 1961	19·4 1953	126·4 1963	31·7 1958	20·2 1960	84·4 1962	33·2 1960	20·7 1960	109·0 1963	35·0 1957	21·7 1956	142·6 1963	31·6 1957	21·7 1955	201· 195
Assam (Including Manipur, Tripura)																		
Pasighat	26·6 1961	7·1 1959	41·2 1959	31·0 1960	7·5 1959	137·6 1961	33·2 1958	10·6 1962	99·2 1961	35·4 1959	12·5 1965	95·8 1965	37·4 1961	13·9 1961	125·2 1958	37·9 1963	19·5 1965	170· 196
Dibrugarh (Mohanbari)	27·0 1961	3·5 1965	24·6 1956	30·0 1952	4·8 1960	55·9 1954	33·4 1960	8·3 1957	55·1 1955	34·8 1958	10·8 1965	102·6 1961	36·8 1964	14·1 1964	102·1 1959	37·0 1961	16·8 1963	134· 196
Digboi	26·6 1959	5·6 1956	52·3 1956	29·4 1956	7·4 1959	34·0 1963	32·8 1958	10·0 1965	40·1 1956	35·6 1959	13·8 1957	66·0 1957	36·1 1956	16·0 1965	57·2 1959	37·2 1956	18·8 1965	95· 195
North Lakhimpur	26·7 1955	2·8 1956	32·0 1962	30·2 1960	5·4 1964	22·4 1960	32·9 1958	8·1 1957	74·2 1955	35·1 1962	11·6 1965	99·6 1954	36·7 1961	16·2 1961	178·3 1958	36·7 1961	20·7 1964	168· 196
Sibsagar	28·9 1942	3·3 1917	43·7 1945	30·6 1942	2·8 1905	42·9 1892	35·6 1945	7·2 1917	113·0 1892	37·2 1960	12·8 1912	148·6 1913	42·8 1945	16·7 1893	188·2 1931	37·8 1881	19·4 1907	189· 190
Gohpur	26·6 1961	3·8 1963	16·6 1965	29·9 1963	4·9 1963	28·4 1965	33·2 1962	7·7 1962	35·4 1965	36·6 1962	11·5 1965	108·1 1965	37·0 1964	15·3 1964	95·5 1959	36·6 1961	19·4 1962	59· 196
Majbat	26·9 1963	5·1 1964	30·2 1962	31·3 963	5·9 1964	22·1 1962	38·6 1965	12·2 1963	53·0 1961	35·1 1963	16·5 1963	95·3 1962	36·2 1964	16·6 1964	110·6 1964	35·7 1965	22·0 1963	23·5 196
Jorhat (Aerodrome)	26·7 1955	5·2 1962	34·0 1954	31·1 1954	6·8 1961	18·3 1959	34·1 1960	8·9 1957	48·3 1954	37·5 1960	13·5 1965	58·2 1962	37·8 1960	16·1 1955	119·9 1957	37·3 1961	20·6 1955	146· 195
Tangla	31·7 1963	4·3 1964	31·0 1957	32·3 1963	5·3 1964	60·3 1965	35·4 1958	9·3 1965	48·3 1955	37·9 1960	13·9 1960	109·0 1959	38·9 1960	15·7 1962	89·3 1964	39·5 1961	21·0 1963	125· 195
Tezpur	27·8 1961	5·6 1945	29·5 1907	31·7 1964	6·1 1905	38·6 1940	36·7 1923	10·0 1927	62·0 1912	38·3 1960	13·3 1905	100·1 1946	38·9 1960	17·2 1963	148·1 1904	36·7 1953	19·4 1907	176· 196
Golaghat	28·3 1961	6·0 1962	20·8 1962	30·6 1963	1·1 1958	22·0 1959	35·6 1954	6·6 1958	37·6 1956	38·9 1960	12·4 1965	53·3 1958	38·9 1960	11·1 1958	134·6 1957	36·7 1961	19·9 1957	79· 196
Rangia	28·2 1960	5·3 1964	25·3 1963	32·3 1963	7·6 1964	35·6 1958	35·9 1962	10·0 1965	38·0 1963	38·4 1960	12·2 1960	40·6 1958	39·5 1960	16·9 1963	99·9 1963	37·3 1963	20·6 1960	175· 195
Chaparmukh	28·4 1958	7·3 1960	17·2 1962	33·3 1960	7·9 1963	15·1 1959	37·2 1958	12·0 1959	49·4 1961	41·1 1960	15·5 1961	54·2 1963	41·2 1960	18·8 1965	138·2 1961	37·8 1963	21·1 1963	123· 196
Goalpara	29·0 1959	3·3 1964	72·4 1957	32·4 1960	5·2 1961	31·7 1958	37·6 1958	5·8 1965	40·0 1963	39·9 1958	10·6 1965	108·8 1961	41·4 1960	16·7 1955	141·7 1954	37·0 1961	16·1 1955	194· 196
Gauhati *	28·9 1955	5·0 1925	41·1 1945	35·0 1951	5·0 1920	53·3 1914	38·3 1909	6·1 1906	56·1 1915	40·6 1960	10·4 1965	75·5 1955	41·1 1960	15·6 1965	185·4 1941	36·7 1963	18·9 1955	194· 195
Gauhati (Bhorjor)	28·4 1958	5·1 1960	39·1 1957	32·2 1964	5·8 1964	16·5 1957	37·2 1954	9·5 1965	49·8 1955	39·5 1960	14·4 1951	100·3 1955	40·3 1960	17·2 1955	96·8 1958	36·1 1953	21·1 1955	173· 195
Dhubri (Rupsi)	28·1 1961	2·4 1964	55·4 1957	31·7 1963	4·6 1961	24·9 1958	38·2 1960	8·7 1965	53·6 1965	41·0 1960	14·3 1965	138·0 1959	41·2 1960	16·7 1964	86·0 1965	35·2 1960	20·1 1965	164· 196
Dhubri	29·4 1953	6·1 1905	54·1 1945	32·2 1901	2·8 1905	59·9 1904	38·3 1909	7·4 1961	107·9 1885	41·1 1939	12·2 1905	197·6 1948	41·4 1960	15·9 1957	226·3 1944	36·9 1960	13·9 1953	368· 190
Lumding	29·1 1964	2·1 1964	27·7 1957	33·9 1952	2·8 1950	34·5 1957	38·3 1958	8·4 1957	47·0 1959	41·9 1960	10·6 1951	34·8 1956	41·9 1960	17·2 1955	129·0 1961	39·3 1962	20·0 1953	135· 195
Tura	27·9 1961	4·4 1964	24·5 1959	31·7 1956	5·0 1950	32·3 1954	37·2 1958	7·1 1965	88·2 1959	38·5 1960	13·0 1963	168·1 1963	39·4 1960	13·8 1962	193·3 1952	34·2 1961	16·3 1964	207· 196
Haflong	24·6 1961	7·1 1965	48·0 1957	28·5 1960	5·4 1959	65·8 1954	33·3 1958	9·6 1965	192·3 1961	32·8 1963	12·1 1965	164·1 1955	35·6 1956	14·9 1965	248·2 1958	32·7 1963	16·5 1965	242· 196
Silchar (Kumbhirgram)	29·6 1959	7·2 1962	20·8 1958	31·6 1963	8·5 1961	70·8 1965	38·0 1960	12·2 1960	173·8 1961	38·4 1960	14·5 1965	127·8 1962	39·8 1960	17·8 1965	178·4 1961	37·2 1963	20·6 1965	277· 195
Silchar	30·6 1915	5·6 1899	100·1 1911	35·0 1912	5·0 1905	90·4 1927	37·8 1901	8·3 1927	245·4 1922	39·4 1937	13·9 1935	165·1 1934	38·9 1937	15·6 1886	290·3 1893	37·8 1900	19·4 1926	227· 191
Imphal (Tulihal)	23·9 1963	−1·8 1964	7·0 1962	27·4 1963	0·6 1965	15·8 1964	32·4 1964	3·1 1965	21·8 1963	33·9 1963	6·8 1965	29·7 1962	34·6 1965	13·0 1965	54·2 1963	34·4 1963	16·6 1965	105· 196
Kailashahar	29·9 1961	3·6 1962	14·0 1962	34·1 1960	4·3 1964	44·1 1962	37·7 1962	10·8 1965	76·4 1961	42·2 1960	15·2 1964	82·4 1964	42·0 1960	18·3 1964	72·7 1963	36·6 1961	19·8 1964	284· 196
Agartala	29·9 1961	3·9 1955	50·1 1957	34·4 1960	5·9 1961	45·0 1958	38·9 1962	10·0 1957	98·6 1960	41·5 1960	14·5 1962	141·2 1955	42·2 1960	16·1 1955	123·4 1956	63·3 1958	19·5 1961	228· 196
Sub-Himalayan West Bengal																		
Baghdogra	28·9 1954	2·9 1964	26·8 1959	31·7 1955	3·5 1964	12·3 1965	36·7 1954	6·2 1965	43·7 1956	41·7 1952	9·6 1965	86·1 1952	39·4 1957	15·1 1960	149·8 1962	36·7 1952	20·4 1960	209 196
Jalpaiguri	28·9 1931	4·0 1964	37·6 1889	31·9 1965	2·2 1905	71·9 1914	37·3 1964	7·8 1906	68·6 1926	40·0 1932	10·6 1905	152·4 1945	39·4 1899	16·1 1910	161·0 1938	37·2 1927	17·0 1957	234 196
Cooch Behar	28·8 1961	3·3 1964	34·0 1957	31·3 1960	4·9 1964	16·3 1954	37·3 1958	8·1 1965	60·0 1965	39·4 1954	12·5 1965	74·2 1958	39·9 1960	16·2 1960	137·8 1961	36·4 1961	19·4 1964	286 19
Balurghat	29·8 1961	4·1 1964	3·9 1961	34·3 1964	6·3 1964	31·1 1961	38·0 1964	9·7 1965	25·4 1963	42·2 1961	13·3 1963	47·4 1963	42·8 1961	15·8 1963	62·8 1964	41·6 1964	20·4 1963	193 19
Malda	29·4 1964	4·4 1937	69·1 1957	37·8 1964	3·9 1905	45·0 1942	41·7 1941	7·2 1898	55·4 1965	43·6 1960	11·1 1953	63·0 1892	45·0 1958	18·3 1963	195·1 1938	44·4 1958	20·0 1955	167 19
Gangetic West Bengal																		
Bcharampur	31·8 1964	3·9 1933	69·6 1957	36·7 1926	5·0 1950	60·7 1937	42·2 1941	8·9 1898	62·2 1887	45·1 1965	15·6 1936	54·6 1893	46·1 1916	16·7 1882	155·7 1915	44·9 1965	19·4 1884	202 18
Suri	31·1 1955	6·6 1963	132·3 1957	35·7 1964	8·3 1956	41·8 1961	41·1 1955	12·7 1957	24·0 1961	44·7 1961	16·0 1965	44·4 1963	46·1 1958	17·9 1963	80·4 1959	45·4 1958	20·0 1955	73 19

July			August			September			October			November			December			Based on data from		Sub-Division & Station
X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	Temperature	Rainfall	
																				Bay Islands
32·8 1960	21·1 1954	160·4 1959	32·2 1953	20·6 1953	139·8 1964	31·7 1963	20·5 1958	145·2 1963	32·0 1963	20·0 1955	124·4 1965	35·0 1953	20·0 1962	109·0 1959	31·2 1963	19·3 1958	136·4 1965	1952	1952	Maya Bandar.
33·3 1953	20·0 1965	146·4 1962	36·7 1952	20·7 1965	147·3 1956	32·7 1957	20·2 1965	252·4 1961	32·2 1963	20·3 1965	122·2 1952	32·2 1953	19·4 1965	119·1 1953	32·2 1963	17·2 1953	108·2 1962	1952	1952	Long Island.
32·8 1941	18·3 1941	166·0 1964	31·7 1932	19·7 1962	173·2 1934	31·7 1888	19·3 1961	178·1 1904	35·6 1906	19·4 1912	153·2 1926	32·0 1965	19·4 1891	147·3 1901	32·2 1896	18·2 1964	295·7 1937	1881	1881	Port Blair.
31·7 1957	19·9 1961	129·3 1962	31·7 1954	21·1 1956	148·6 1959	33·3 1954	20·6 1952	167·6 1964	31·7 1953	20·6 1960	198·4 1955	31·8 1962	15·3 1964	128·3 1965	35·6 1955	16·7 1952	158·8 1957	1952	1952	Car Nicobar.
31·5 1965	21·7 1962	139·2 1952	32·8 1959	21·3 1959	115·3 1956	34·7 1964	21·1 1956	121·4 1964	33·9 1953	21·2 1964	157·8 1960	33·3 1960	21·1 1964	104·4 1961	34·4 1953	20·6 1954	87·3 1957	1952	1952	Nancowry.
33·1 1957	21·1 1954	86·9 1957	31·7 1957	21·1 1955	131·0 1958	31·1 1957	21·6 1961	113·0 1953	30·8 1957	22·1 1961	162·6 1952	30·6 1957	21·1 1955	135·6 1960	31·6 1961	21·6 1961	150·2 1962	1952	1952	Kondul.
																				Assam (Including Manipur, Tripura).
37·1 1962	20·2 1964	332·7 1959	37·0 1961	20·1 1965	320·8 1962	36·9 1961	18·6 1965	180·3 1958	34·6 1958	16·7 1965	132·6 1962	30·9 1961	11·0 1965	45·8 1965	27·4 1958	7·2 1961	23·0 1964	1958	1958	Pasighat.
37·2 1952	20·8 1964	125·8 1960	36·7 1953	19·5 1958	103·2 1962	36·1 1963	19·7 1964	140·5 1954	35·0 1955	14·2 1960	78·0 1953	31·7 1952	7·4 1961	83·0 1965	28·1 1960	2·7 1961	22·9 1951	1951	1951	Dibrugarh (Mohanbari)
38·3 1960	16·0 1961	118·4 1956	37·7 1960	20·3 1965	98·2 1960	36·7 1965	19·4 1959	77·2 1959	36·7 1962	15·0 1957	157·5 1956	32·2 1962	10·7 1959	29·8 1965	30·6 1962	6·3 1964	25·4 1957	1956	1956	Digboi.
37·1 1963	20·6 1954	199·9 1956	36·7 1957	21·4 1965	111·2 1958	36·4 1963	20·9 1965	155·2 1954	35·0 1955	10·6 1955	115·1 1956	31·7 1954	8·2 1960	74·0 1965	28·3 1954	3·1 1961	25·0 1965	1954	1954	North Lakhimpur.
38·9 1883	20·6 1909	218·9 1929	37·8 1931	18·3 1944	154·4 1929	36·9 1963	19·4 1890	182·4 1902	35·6 1938	15·0 1938	99·6 1925	32·2 1964	9·4 1928	53·9 1930	28·9 1958	4·4 1916	36·3 1936	1881	1871	Sibsagar.
36·6 1964	21·1 1962	68·6 1959	36·0 1959	20·5 1965	75·2 1963	36·3 1963	20·5 1959	80·2 1959	34·6 1964	13·3 1962	98·6 1962	31·6 1958	8·3 1965	47·2 1963	27·7 1960	3·3 1962	40·4 1958	1958	1958	Gohpur.
36·1 1964	21·8 1965	96·0 1960	35·5 1964	21·3 1965	115·4 1957	36·2 1965	22·7 1963	96·8 1960	35·2 1962	14·9 1962	70·6 1955	31·1 1964	10·0 1963	39·2 1958	27·9 1963	3·2 1964	27·9 1956	1962	1954	Majbat.
37·0 1964	21·7 1956	95·5 1959	37·2 1955	22·2 1956	129·3 1961	36·1 1955	21·4 1960	82·8 1958	35·6 1955	15·6 1957	76·0 1962	30·8 1964	9·4 1961	35·3 1963	28·9 1960	5·0 1954	83·8 1963	1951	1951	Jorhat (Aerodrome).
37·6 1964	20·9 1960	104·2 1963	36·6 1960	21·0 1962	106·4 1958	38·8 1965	20·3 1959	105·0 1963	35·1 1962	15·2 1962	69·8 1958	33·2 1965	9·2 1961	86·4 1956	29·5 1964	5·2 1961	20·6 1954	1958	1954	Tangla.
36·7 1962	21·2 1962	142·7 1947	37·2 1953	20·3 1962	166·6 1952	36·7 1961	20·6 1959	102·9 1917	36·1 1956	14·5 1962	140·7 1909	33·3 1952	10·6 1953	59·9 1901	31·5 1965	6·1 1913	19·3 1907	1901	1901	Tezpur.
37·6 1964	18·2 1957	118·0 1959	36·7 1960	17·2 1957	122·0 1961	36·7 1963	20·9 1965	98·4 1965	34·4 1956	17·0 1963	50·5 1955	31·7 1958	8·8 1957	36·3 1955	29·4 1960	6·3 1959	25·4 1957	1954	1954	Golaghat.
37·3 1962	21·9 1960	145·0 1962	37·2 1960	22·3 1958	108·2 1965	36·8 1964	19·9 1960	99·3 1960	35·1 1959	17·6 1965	54·0 1960	34·5 1959	10·1 1965	28·0 1963	29·5 1963	7·5 1964	16·0 1963	1958	1958	Rangia
43·9 1961	23·8 1963	216·1 1961	37·8 1959	23·4 1965	152·4 1961	37·3 1958	20·6 1959	150·8 1960	35·4 1958	18·3 1963	83·2 1961	33·3 1958	12·2 1962	38·8 1961	30·0 1962	8·3 1961	8·1 1958	1958	1958	Chaparmukh.
36·7 1962	20·9 1965	204·0 1960	40·5 1959	20·0 1965	112·6 1962	36·7 1963	18·3 1955	221·7 1958	36·1 1956	16·1 1954	94·2 1962	32·6 1958	9·9 1965	51·2 1963	31·1 1955	4·9 1964	19·6 1955	1954	1954	Goalpara.
37·2 1962	20·4 1965	232·9 1933	37·8 1933	21·1 1955	187·7 1938	37·2 1928	20·0 1955	133·9 1949	35·6 1955	14·7 1964	94·3 1959	32·2 1950	10·6 1926	47·6 1963	29·4 1962	5·0 1918	21·3 1957	1906	1906	Gauhati.*
36·0 1962	21·9 1958	103·6 1965	36·1 1953	22·8 1955	129·2 1960	35·9 1957	21·2 1959	89·7 1953	34·4 1955	15·2 1957	60·2 1951	32·5 1957	10·0 1965	19·8 1956	30·9 1957	4·9 1961	16·5 1953	1951	1951	Gauhati (Bhorjor)
37·9 1959	21·3 1963	160·0 1957	36·1 1957	15·1 1957	195·8 1957	35·8 1963	21·3 1964	273·9 1960	34·9 1964	15·6 1957	220·0 1958	31·4 1958	9·4 1962	48·0 1965	28·2 1958	3·3 1964	3·0 1961	1957	1957	Dhubri (Rupsi).
37·8 1930	21·5 1965	285·7 1908	35·6 1942	21·7 1957	196·9 1924	35·0 1906	21·1 1965	363·6 1960	33·9 1956	17·2 1902	155·2 1919	31·1 1905	11·7 1903	82·5 1952	27·8 1944	7·8 1922	17·3 1894	1891	1881	Dhubri.
37·9 1962	17·8 1955	114·3 1956	38·3 1953	21·1 1956	118·9 1952	37·2 1951	20·0 1953	91·7 1954	35·6 1963	14·7 1957	107·9 1952	32·2 1951	9·4 1953	101·6 1955	29·5 1964	6·1 1955	21·1 1957	1951	1951	Lumding.
33·9 1951	18·3 1964	229·1 1951	35·6 1957	17·9 1963	284·7 1956	37·2 1958	17·4 1959	270·2 1960	33·2 1964	13·9 1963	164·3 1953	32·8 1952	9·1 1962	40·7 1965	30·6 1951	6·7 1961	5·3 1955	1951	1951	Tura.
32·7 1962	18·9 1965	119·9 1960	33·2 1957	18·7 1965	105·2 1962	32·2 1959	17·9 1959	90·2 1965	32·7 1960	13·2 1957	237·1 1959	27·9 1961	10·6 1961	234·2 1955	25·6 1958	7·0 1961	35·6 1954	1954	1954	Haflong.
37·2 1962	21·8 1961	104·4 1961	36·9 1958	22·4 1962	177·4 1961	37·4 1963	21·8 1963	128·2 1964	36·2 1958	16·3 1963	151·4 1963	32·6 1964	11·3 1961	30·0 1960	31·2 1960	8·5 1961	20·2 1965	1958	1958	Silchar (Kumbhirgram).
39·4 1896	19·0 1965	234·7 1915	38·3 1900	19·4 1906	154·9 1890	38·3 1887	18·9 1890	178·6 1939	36·7 1944	15·6 1914	186·2 1912	35·0 1900	10·6 1902	174·2 1955	31·7 1945	6·1 1913	100·8 1883	1881	1881	Silchar.
32·0 1962	18·1 1961	71·6 1962	31·9 1964	17·8 1965	87·3 1963	32·3 1963	17·3 1965	41·0 1963	31·4 1964	11·4 1965	92·6 1963	28·9 1964	2·8 1965	23·3 1961	24·9 1965	0·2 1964	49·4 1965	1961	1961	Imphal (Tulihal)
37·8 1963	19·7 1961	82·0 1965	36·6 1962	21·8 1961	206·6 1964	35·6 1964	21·0 1963	83·8 1962	34·5 1962	17·7 1960	138·1 1959	31·9 1961	10·3 1961	57·2 1960	31·5 1960	6·3 1961	6·9 1965	1959	1959	Kailashahar.
36·4 1962	21·9 1965	190·0 1964	36·4 1957	21·3 1965	238·8 1955	35·3 1962	21·1 1965	115·6 1956	35·0 1955	14·9 1957	127·9 1963	32·8 1955	9·8 1961	104·7 1955	30·1 1965	5·8 1961	10·9 1956	1953	1953	Agartala.
																				Sub-Himalayan West Bengal.
40·4 1962	21·6 1960	208·3 1960	36·7 1957	22·1 1957	313·1 1961	39·2 1958	20·3 1963	179·4 1964	34·9 1964	13·3 1955	164·4 1959	33·3 1952	7·4 1961	20·3 1952	31·1 1951	2·4 1961	5·1 1956	1951 ..	1951 ..	Baghdogra.
37·2 1933	22·2 1949	390·4 1892	37·2 1933	21·1 1918	220·8 1958	36·1 1933	21·1 1944	347·7 1886	35·6 1926	15·6 1947	244·3 1909	33·3 1952	9·4 1914	92·7 1924	30·0 1951	5·6 1918	53·9 1932	1891	1886	Jalpaiguri.
37·2 1956	22·7 1960	296·6 1961	36·3 1957	22·2 1956	315·5 1957	35·6 1953	20·4 1965	329·7 1960	36·1 1952	15·1 1957	77·5 1958	32·8 1950	9·7 1962	33·4 1965	29·4 1953	4·1 1964	23·8 1958	1953	1953	Cooch Behar.
37·7 1962	22·4 1962	94·0 1965	35·5 1964	22·2 1962	91·7 1965	35·7 1963	20·9 1963	60·4 1962	35·2 1962	15·3 1963	94·8 1963	32·5 1962	7·3 1963	89·6 1963	30·1 1965	4·7 1961	1·8 1965	1961	1961	Balurghat.
38·3 1962	21·1 1906	191·8 1958	36·7 1957	22·8 1948	188·0 1918	36·1 1896	21·7 1940	215·9 1953	35·6 1932	15·0 1908	173·7 1894	33·3 1896	8·3 1934	64·3 1930	29·4 1951	5·0 1896	32·8 1913	1896	1886	Malda.
																				Gangetic West Bengal
38·3 1897	21·1 1962	221·0 1900	38·5 1962	21·7 1933	183·4 1939	38·9 1947	21·7 1956	182·9 1900	37·8 1951	16·1 1954	286·3 1917	35·0 1952	8·3 1934	75·2 1930	32·2 1951	5·7 1961	33·5 1913	1881	1881	Berhampore.
38·2 1958	21·8 1965	131·8 1955	36·6 1960	20·3 1964	116·3 1956	35·4 1965	20·6 1956	238·3 1956	35·5 1957	17·0 1957	135·6 1959	34·1 1965	11·2 1964	49·5 1956	29·9 1964	5·6 1964	29·0 1956	1955	1955	Suri.

*Observatory closed on 16-9-1965.

Sub-Division and Station	January			February			March			April			May			June		
	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R
Gangetic West Bengal-(*contd.*)																		
Asansol	31·4 1964	4·8 1964	51·6 1944	36·9 1964	5·0 1950	71·3 1961	41·7 1941	11·1 1923	44·2 1949	45·0 1954	10·4 1960	46·7 1945	47·2 1944	18·3 1927	127·0 1938	47·2 1926	20·6 1922	174·5 1957
Shanti Niketan	31·4 1964	5·2 1962	6·8 1962	36·9 1964	8·6 1961	46·5 1961	38·9 1964	12·1 1965	32·8 1965	44·3 1961	17·2 1965	35·2 1964	44·5 1961	18·9 1964	91·9 1962	44·2 1965	22·3 1962	84·2 1964
Krishnagar	34·4 1912	3·9 1934	51·8 1898	37·8 1896	3·9 1886	73·7 1943	42·2 1941	7·8 1898	87·4 1886	45·0 1954	13·9 1886	114·5 1946	46·1 1958	16·7 1893	138·4 1918	45·1 1958	20·0 1907	220·0 1965
Purulia	31·1 1958	5·9 1962	20·4 1962	35·4 1964	7·2 1956	25·2 1961	41·7 1955	13·0 1965	28·7 1956	43·9 1954	13·5 1965	52·2 1962	45·6 1955	20·0 1952	48·8 1959	45·6 1953	20·0 1962	100·8 1965
Bankura	32·5 1964	7·5 1964	33·0 1957	37·8 1964	9·6 1964	53·2 1961	40·0 1964	13·9 1965	69·2 1965	44·5 1964	16·4 1965	64·8 1962	45·0 1965	18·2 1964	45·4 1958	45·3 1965	23·1 1965	84·6 1963
Burdwan	36·7 1951	4·4 1962	43·7 1944	37·8 1896	4·4 1905	84·1 1938	41·7 1941	10·0 1928	115·8 1887	46·0 1965	16·1 1886	116·8 1909	46·1 1916	18·3 1882	244·3 1893	45·6 1926	20·0 1953	243·8 1928
Barrackpore (Aero drome)	31·1 1958	5·0 1962	39·9 1957	34·6 1960	8·2 1961	20·1 1957	40·1 1958	11·0 1957	35·2 1965	41·9 1959	17·0 1965	35·0 1958	42·9 1958	16·6 1962	79·2 1961	43·3 1958	19·9 1957	118·4 1963
Calcutta (Dum Dum)	32·0 1964	6·1 1962	27·2 1957	35·6 1952	7·6 1961	17·7 1964	40·6 1955	12·2 1957	24·8 1960	42·8 1954	17·8 1965	80·4 1962	42·9 1958	17·9 1962	66·9 1965	42·7 1965	21·7 1953	129·0 1956
Calcutta	32·6 1964	6·7 1899	46·7 1943	36·7 1952	7·2 1950	80·8 1906	41·1 1941	10·0 1898	69·9 1907	43·3 1954	16·1 1905	107·4 1918	43·7 1958	18·3 1887	156·2 1893	43·9 1924	21·1 1900	303·5 1908
Midnapore	33·9 1912	6·1 1934	54·6 1957	37·2 1964	5·6 1950	66·0 1931	42·8 1953	11·1 1925	79·5 1920	45·6 1938	17·1 1965	78·2 1949	46·7 1943	19·4 1950	145·3 1956	47·2 1942	20·0 1950	276·9 1950
Contai	31·7 1958	8·8 1963	41·0 1959	37·2 1951	10·0 1953	32·0 1965	40·1 1958	14·7 1957	32·0 1965	43·8 1959	17·9 1965	37·3 1962	41·1 1960	17·2 1951	295·1 1960	43·6 1965	13·8 1961	207·5 1956
Sagar Island	30·6 1931	7·8 1899	41·4 1948	33·9 1952	7·2 1950	77·0 1885	38·3 1934	12·2 1906	125·7 1907	39·4 1908	12·9 1962	78·7 1921	38·3 1908	17·8 1893	202·7 1932	40·0 1929	19·4 1925	359·2 1927
Sandheads	32·9 1965	13·2 1964	33·4 1959	32·8 1961	15·4 1964	65·3 1958	36·4 1962	17·8 1960	62·7 1940	35·9 1960	21·6 1965	72·6 1911	37·7 1964	20·6 1965	87·9 1950	37·0 1961	16·7 1962	334·0 1940
Orissa																		
Baripada	33·8 1958	6·6 1963	28·4 1959	38·3 1959	9·9 1961	46·3 1957	41·6 1958	13·2 1965	33·5 1956	45·1 1961	17·3 1965	57·4 1962	46·9 1958	20·6 1963	61·4 1963	47·8 1958	22·3 196	181·1 1956
Jharsuguda	32·2 1958	6·1 1963	42·4 1953	35·7 1964	8·3 1961	46·7 1961	42·8 1955	11·1 1961	58·7 1951	44·8 1961	15·8 1957	31·7 1952	46·7 1956	19·3 1963	63·8 1963	46·1 1955	21·1 1955	159·2 1958
Keonjhargarh	30·4 1964	7·5 1962	17·0 1962	34·4 1964	9·3 1958	82·0 1963	38·3 1959	14·3 1960	45·2 1962	42·1 1961	17·1 1962	26·4 1963	42·7 1962	17·1 1962	42·3 1964	43·3 1958	20·5 1961	87·0 1963
Balasore	33·3 1958	7·2 1934	85·1 1908	38·3 1934	6·7 1905	76·2 1923	40·6 1955	11·7 1927	70·4 1897	45·0 1892	16·6 1965	71·4 1947	46·7 1897	18·4 1964	221·5 1887	46·1 1926	20·0 1900	217·2 1956
Sambalpur	33·9 1889	4·4 1954	90·7 1957	37·8 1896	5·6 1950	56·8 1961	43·3 1888	11·1 1954	57·0 1965	45·6 1942	14·4 1905	45·2 1909	47·2 1948	20·3 1965	107·9 1891	47·1 1965	19·4 1903	254·5 1882
Angul	34·4 1928	6·7 1923	48·8 1906	37·2 1934	8·9 1950	118·1 1961	42·2 1953	10·6 1906	52·0 1960	45·6 1941	16·1 1920	67·2 1965	47·2 1921	17·7 1959	84·3 1946	46·1 1958	17·4 1964	156·0 1925
Cuttack	35·6 1882	7·8 1923	61·0 1919	38·9 1896	10·6 1934	98·0 1917	42·8 1902	14·4 1906	99·1 1911	45·0 1903	17·2 1905	94·5 1899	47·7 1957	20·6 1946	142·7 1893	47·2 1948	21·7 1955	205·7 1925
Chandbali	32·8 1950	7·8 1962	35·1 1948	37·8 1934	10·0 1942	50·2 1961	40·6 1954	14·5 1965	72·5 1962	43·3 1947	17·2 1943	89·4 1964	44·4 1961	17·8 1931	186·4 1936	46·7 1942	18·3 1931	164·3 1936
Bolangir	33·3 1964	7·6 1963	9·4 1959	38·8 1963	10·0 1961	53·2 1961	40·9 1959	14·7 1965	17·8 1960	45·7 1965	17·9 1961	33·2 1961	45·6 1964	21·7 1963	19·6 1958	44·9 1958	21·4 1963	68·6 1961
Phulbani	30·3 1960	1·6 1963	21·2 1965	35·3 1964	4·3 1963	49·8 1961	37·8 1962	6·0 1965	28·4 1965	41·8 1961	13·9 1965	18·0 1965	42·8 1962	18·3 1963	53·0 1961	42·0 1965	20·2 1961	104·0 1962
Titlagarh	33·1 1964	6·1 1954	30·0 1959	37·8 1953	8·4 1963	43·2 1964	42·2 1955	13·9 1952	59·8 1965	45·0 1956	16·1 1962	23·1 1958	47·0 1964	17·4 1968	76·7 1956	47·2 1955	21·2 1962	103·9 1955
Bhubaneswar	33·6 1958	9·4 1952	35·6 1953	37·2 1953	10·6 1956	52·6 1958	40·7 1959	15·9 1962	33·9 1962	43·9 1954	18·9 1965	42·6 1963	44·9 1958	15·0 1960	94·5 1955	45·5 1965	21·7 1955	91·4 1954
Puri	32·8 1946	10·6 1893	53·1 1921	53·0 1954	12·2 1905	107·9 1897	40·0 1956	15·6 1906	57·9 1919	41·1 1947	18·3 1965	82·0 1919	42·2 1943	16·7 1893	171·7 1893	44·2 1965	19·4 1908	200·4 1895
Gopalpur	32·8 1946	10·0 1899	47·2 1908	36·7 1954	11·7 1934	134·4 1937	40·0 1956	15·6 1925	95·8 1957	38·9 1940	19·4 1955	55·1 1894	43·3 1915	20·0 1948	126·5 1940	44·0 1965	21·1 1939	171·7 1914
Koraput	29·4 1958	4·1 1962	53·3 1953	31·7 1953	5·6 1963	10·2 1957	36·1 1953	10·6 1952	35·6 1954	38·9 1959	15·0 1956	53·9 1956	38·9 1956	14·4 1955	49·8 1965	40·0 1953	13·3 1961	234·6 1959
Bihar Plateau																		
Dumka	37·2 1962	4·4 1954	75·7 1957	36·1 1964	5·0 1905	77·5 1940	42·2 1953	8·3 1906	70·6 1891	45·0 1951	15·0 1905	47·0 1946	46·7 1916	17·2 1934	106·2 1914	46·7 1926	20·0 1922	170·9 1927
Daltonganj	32·2 1902	0 1923	77·2 1945	35·6 1914	0·6 1905	50·5 1908	42·8 1931	5·6 1898	36·8 1927	45·0 1898	11·7 1907	38·6 1914	46·7 1956	17·8 1932	62·2 1904	46·7 1897	11·9 1961	174·0 1907
Hazaribagh	30·6 1881	1·3 1962	68·1 1945	33·3 1896	3·3 1905	63·5 1927	38·9 1892	6·7 1898	44·2 1946	41·7 1956	12·5 1965	60·5 1925	43·9 1897	16·1 1878	84·1 1887	43·4 1958	19·2 1961	249·2 1911
Dhanbad	31·1 1958	7·4 1963	17·3 1957	36·2 1964	8·3 1961	49·7 1961	39·5 1958	13·3 1957	26·4 1965	44·0 1964	16·5 1965	42·6 1964	45·1 1957	19·0 1963	46·4 1963	45·9 1958	21·1 1962	96·2 1961
Ranchi	31·4 1961	3·9 1946	52·1 1945	33·9 1956	2·8 1950	78·5 1913	39·4 1955	7·8 1898	82·3 1891	41·7 1938	10·4 1960	58·7 1944	43·3 1948	15·6 1952	104·7 1914	42·8 1962	14·8 1964	165·6 1898
Ranchi Aerodrome	27·8 1964	5·0 1963	31·7 1959	33·3 1956	6·1 1961	45·0 1965	36·9 1959	10·4 1957	44·7 1956	41·0 1961	13·7 1965	49·5 1959	43·1 1962	18·2 1964	54·6 1959	42·3 1958	19·9 1959	76·4 1961
Jamshedpur	32·8 1934	5·0 1963	11·4 1962	36·1 1964	8·9 1963	55·6 1961	41·7 1955	11·7 1954	33·8 1951	44·4 1961	16·2 1965	33·4 1962	46·1 1962	21·1 1963	48·6 1963	45·6 1953	21·6 1964	214·1 1953
Jamshedpur (P.B.O.)	31·8 1958	4·7 1962	15·0 1954	36·2 1964	8·7 1963	52·0 1961	42·2 1955	11·6 1965	33·8 1951	44·4 1956	16·4 1965	46·2 1962	45·9 1958	19·1 1963	38·1 1955	46·6 1958	21·8 1961	143·1 1964
Chaibasa	33·3 1911	4·4 1934	75·2 1901	37·2 1911	6·7 1934	75·7 1906	42·2 195[illegible]	11·6 1965	43·9 1891	45·0 1941	15·5 1965	80·3 1946	46·7 1948	18·3 1938	58·4 1893	46·1 1958	20·0 1932	131·3 1919
Bihar Plains																		
Motihari	28·3 1902	2·2 1905	54·6 1900	35·6 1896	0 1905	66·0 1889	40·0 1941	5·6 1945	55·4 1891	42·2 1954	8·9 1905	67·3 1899	44·4 1903	15·0 195[illegible]	104·1 1890	43·3 1935	18·9 1965	234·2 1919
Forbesganj	30·4 1961	2·2 1955	40·4 1957	33·3 1955	5·6 1965	42·6 1961	39·0 1958	6·9 1965	19·4 1964	42·8 1954	11·8 1965	24·6 1955	42·9 1958	16·[illegible] 1960	121·4 1954	42·1 1958	20·6 1955	219·0 1964

July			August			September			October			November			December			Based on data from		Sub-Division and Station
X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	Temperature	Rainfall	
																				Gangetic West Bengal— (*contd*).
40·0 1926	19·4 1947	269·7 1943	37·2 1932	21·7 1933	189·2 1935	36·6 1963	20·0 1946	269·0 1946	36·7 1932	15·0 1938	113·3 1952	36·1 1955	8·3 1926	99·1 1930	31·7 1946	5·8 1961	29·7 1929	1921	1916	Asansol.
35·8 1962	22·8 1965	83·0 1961	35·3 1965	22·7 1965	63·0 1965	35·3 1965	23·1 1965	87·6 1962	33·9 1965	17·8 1961	184·2 1964	33·6 1965	11·2 1962	4·4 1963	30·1 1964	6·1 1961	0·5 1965	1961	1961	Shanti Niketan.
37·2 1964	22·2 1955	244·3 1905	36·7 1957	21·1 1949	165·3 1926	37·2 1955	21·1 1887	293·9 1900	36·7 1960	14·4 1935	214·8 1959	36·1 1952	8·3 1934	151·1 1889	32·2 1954	5·0 1937	37·3 1954	1886	1886	Krishnagar.
38·8 1964	17·8 1953	148·8 1951	37·3 1964	17·2 1953	118·8 1960	36·1 1955	17·2 1955	181·6 1958	35·6 1951	15·8 1964	96·2 1961	34·1 1965	11·1 1952	55·4 1955	33·3 1955	5·7 1961	7·4 1956	1951	1951	Purulia.
37·0 1962	21·6 1965	128·2 1965	36·4 1965	22·3 1964	97·0 1965	33·5 1965	22·1 1965	106·0 1958	35·0 1965	17·1 1964	76·0 1959	35·2 1965	13·7 1965	57·1 1953	30·9 1964	7·9 1965	7·4 1954	1962	1951	Bankura.
38·9 1897	20·0 1953	299·2 1905	36·1 1945	21·7 1954	260·6 1909	37·8 1928	20·0 1953	304·8 1956	36·7 1951	16·1 1933	216·3 1959	35·6 1896	10·6 1883	106·9 1916	31·7 1951	4·4 1961	69·6 1934	1881	1881	Burdwan.
37·0 1965	21·7 1958	128·0 1964	37·2 1962	22·2 1964	106·6 1965	35·4 1957	22·1 1964	164·0 1959	34·8 1965	18·5 1957	231·1 1959	33·8 1965	11·6 1960	37·8 1958	29·9 1957	6·7 1962	0·8 1959	1957	1957	Barrackpore (Aerodrome)
35·2 1958	22·5 1957	137·2 1953	35·5 1960	23·3 1965	123·9 1965	35·6 1957	23·2 1959	214·4 1956	35·9 1957	16·7 1954	150·2 1959	34·1 1965	11·8 1960	40·9 1951	31·4 1964	7·8 1962	15·2 1954	1951	1951	Calcutta (Dum Dum).
36·7 1920	22·8 1965	183·6 1905	36·1 1944	23·1 1965	253·0 1888	36·1 1939	22·2 1940	369·1 1900	35·6 1957	17·2 1954	206·4 1959	33·9 1952	10·6 1883	85·1 1950	31·5 1963	7·2 1910	53·1 1883	1881	1881	Calcutta.
37·2 1926	21·5 1965	160·8 1929	37·5 1965	21·7 1955	201·2 1891	37·4 1962	21·6 1965	311·5 1958	36·1 1907	15·6 1954	325·1 1942	33·9 1937	10·0 1934	111·3 1941	31·7 1957	6·1 1916	62·0 1914	1921	1886	Midnapore.
35·7 1959	21·3 1965	141·2 1964	36·7 1951	22·6 1965	169·1 1960	35·0 1951	21·7 1959	240·0 1958	34·2 1957	18·3 1954	203·1 1959	33·5 1965	12·6 1960	64·8 1955	31·1 1956	8·3 1961	29·7 1954	1951	1951	Contai.
36·1 1920	16·2 1960	354·1 1913	36·7 1903	19·8 1965	232·4 1954	36·1 1921	18·4 1962	283·4 1958	33·9 1918	17·2 1898	321·6 1933	32·8 1944	12·2 1883	113·3 1955	29·4 1907	9·4 1896	91·9 1947	1881	1881	Sagar Island.
33·6 1963	17·2 1960	290·8 1921	35·8 1960	18·7 1965	176·3 1946	36·8 1964	22·0 1961	163·0 1964	36·2 1960	18·5 1964	174·6 1962	36·3 1962	21·1 1964	132·6 1915	36·6 1962	12·0 1961	144·8 1906	1960	1906	Sandheads.
																				Orissa
35·6 1965	22·0 1965	143·2 1965	35·8 1965	21·9 1964	198·2 1960	36·4 1963	22·3 1965	129·8 1961	35·9 1957	16·3 1964	187·6 1959	35·0 1965	11·1 1962	58·4 1958	32·6 1957	6·7 1961	1·3 1963	1956	1956	Baripada.
37·8 1958	21·6 1959	189·8 1961	35·7 1961	21·9 1964	161·6 1960	35·0 1965	21·4 1961	120·8 1961	36·1 1957	13·9 1954	110·2 1952	34·3 1965	8·9 1960	22·1 1953	31·8 1963	6·1 1955	11·2 1961	1954	1951	Jharsuguda
34·3 1962	20·9 1962	118·6 1965	32·2 1964	21·1 1964	162·0 1960	35·8 1964	20·4 1962	178·4 1963	33·0 1965	15·3 1964	40·6 1959	31·4 1965	10·1 1960	13·1 1960	30·1 1962	7·1 1959	36·2 1960	1958	1958	Keonjhar
38·3 1897	20·0 1913	347·2 1940	35·6 1955	21·6 1964	255·2 1960	35·6 1922	21·9 1965	199·1 1961	36·1 1925	15·6 1926	323·3 1941	34·4 1896	8·9 1892	184·7 1950	31·7 1944	6·7 1897	178·8 1947	1891	1886	Balasore.
40·6 1902	18·3 1910	401·3 1889	35·1 1964	21·1 1956	290·7 1960	36·1 1930	20·3 1965	220·4 1961	36·1 1920	11·5 1964	173·7 1936	34·4 1965	7·8 1926	106·2 1930	34·1 1963	4·4 1902	39·1 1885	1881	1881	Sambalpur.
38·9 1926	20·3 1965	243·8 1932	36·1 1945	21·1 1956	257·3 1931	35·7 1960	16·7 1961	148·8 1939	35·6 1918	14·4 1926	117·9 1929	33·9 1918	8·9 1910	99·1 1915	31·7 1957	7·2 1937	27·5 1962	1906	1906	Angul.
40·0 1897	21·1 1943	210·8 1943	37·2 1880	21·7 1943	320·8 1933	36·7 1901	21·7 1933	249·2 1891	38·9 1886	16·7 1926	292·6 1899	35·5 1865	10·6 1937	195·6 1950	33·3 1954	8·9 1922	54·9 1909	1880	1881	Cuttack.
42·8 1958	21·0 1964	321·8 1941	35·3 1961	22·2 1933	272·2 1963	35·6 1951	21·7 1959	320·8 1950	35·6 1951	17·8 1952	169·7 1952	33·9 1949	11·7 1959	207·8 1950	32·8 1949	8·3 1961	49·5 1947	1931	1931	Chandbali.
40·7 1964	20·4 1964	325·8 1958	38·4 1960	20·8 1964	116·0 1960	38·4 1960	21·2 1965	89·0 1965	37·8 1965	16·0 1960	100·6 1963	36·6 1960	11·0 1962	12·8 1959	32·6 1963	6·8 1965	16·4 1960	1958	1958	Bolangir.
33·4 1962	20·4 1960	163·1 1965	32·2 1964	20·6 1964	165·2 1964	33·3 1960	20·3 1962	124·8 1963	33·0 1965	12·8 1960	27·1 1960	32·5 1965	5·6 1961	3·8 1961	30·6 1963	1·7 1961	6·4 1961	1960	1960	Phulbani.
40·1 1962	21·1 1958	255·3 1958	36·2 1961	20·3 1965	134·4 1964	35·1 1965	21·7 1961	147·1 1952	36·1 1965	14·6 1963	68·5 1963	35·6 1965	10·6 1957	26·7 1958	33·3 1955	7·2 1955	4·0 1960	1951	1951	Titlagarh.
37·1 1965	20·4 1960	144·4 1958	35·4 1965	20·8 1963	107·7 1954	35·0 1957	21·1 1961	163·0 1958	35·4 1965	16·1 1954	188·2 1954	35·0 1952	12·8 1953	15·6 1955	32·7 1957	9·4 1955	10·9 1954	1952	1952	Bhubaneswar.
36·7 1938	21·7 1944	301·5 1918	36·7 1899	21·5 1965	187·7 1896	39·1 1961	17·2 1893	210·8 1934	36·1 1899	16·7 1901	316·2 1928	33·9 1914	13·9 1926	242·8 1915	32·8 1896	10·6 1895	88·9 1909	1891	1891	Puri.
38·3 1957	20·6 1929	200·9 1936	37·2 1928	19·4 1911	229·9 1940	36·7 1920	20·6 1917	196·9 1886	36·3 1957	16·7 1897	510·8 1954	33·5 1957	12·2 1926	263·7 1923	32·2 1951	10·0 1902	105·7 1909	1891	1881	Gopalpur.
31·1 1960	16·1 1957	232·7 1951	30·6 1958	15·6 1957	143·5 1957	32·8 1963	16·7 1957	110·8 1959	31·1 1963	9·6 1965	89·3 1958	29·4 1965	8·3 1961	43·7 1951	28·1 1965	3·9 1961	16·8 1952	1951	1951	Koraput.
																				Bihar Plateau
40·6 1897	21·1 1948	146·3 1921	37·2 1938	21·1 1948	191·5 1888	36.7 1938	20·0 1956	266·9 1935	36·1 1951	13·3 1954	184·4 1959	35·0 1896	6·7 1934	115·1 1930	30·6 1954	5·0 1935	35·6 1913	1891	1886	Dumka.
43·3 1902	18·2 1964	290·8 1920	37·2 1954	20·6 1916	197·7 1963	38·9 1958	17·2 1899	187·5 1946	37·2 1899	10·0 1921	75·2 1937	35·0 1965	5·0 1912	74·9 1924	31·4 1960	1·7 1913	41·9 1940	1896	1896	Daltonganj.
38·9 1901	20·6 1940	221·7 1953	33·7 1957	20·0 1942	180·1 1888	33·3 1960	17·8 1950	167·4 1963	33·3 1957	11·1 1934	149·4 1963	31·7 1896	4·4 1879	95·0 1924	29·4 1950	0·5 1961	39·4 1885	1878	1881	Hazaribagh.
44·0 1962	21·6 1957	112·9 1963	35·6 1957	21·7 1962	81·0 1959	36·0 1965	20·5 1965	82·6 1958	34·9 1957	16·8 1961	110·8 1959	34·5 1965	11·8 1961	10·2 1963	30·0 1964	4·1 1961	26·6 1962	1957	1957	Dhanbad.
38·3 1902	13·2 1961	215·9 1896	35·5 1965	13·2 1961	147·3 1945	37·9 1962	14·9 1961	168·4 1963	36·8 1963	7·1 1961	231·1 1941	32·2 1896	5·6 1949	79·5 1930	30·1 1962	3·6 1964	32·8 1962	1891	1891	Ranchi.
34·6 1962	20·1 1965	178·8 1958	32·5 1964	20·4 1964	120·0 1960	32·0 1957	19·4 1957	130·1 1963	31·9 1957	14·1 1961	111·0 1959	31·2 1965	9·2 1961	7·6 1963	28·3 1962	4·8 1961	21·4 1962	1956	1956	Ranchi Aerodrome.
37·3 1962	21·4 1965	187·5 1952	35·6 1957	21·0 1965	169·2 1953	35·8 1965	18·9 1964	160·4 1958	35·6 1951	15·0 1954	115·4 1959	33·4 1965	8·9 1952	69·1 1953	31·1 1962	5·6 1965	12·5 1956	1951	1951	Jamshedpur.
36·8 1958	21·7 1956	187·5 1952	35·1 1957	22·0 1959	100·2 1963	35·1 1958	20·6 1956	129·1 1957	35·6 1957	15·0 1957	67·7 1965	33·5 1965	8·9 1952	28·5 1951	31·3 1957	5·4 1961	12·7 1956	1951	1951	Jamshedpur (P.B.O.)
41·1 1926	21·1 1965	194·8 1929	37·2 1947	21·1 1913	200·7 1941	36·7 1911	21·1 1950	155·5 1953	36·6 1957	13·9 1954	214·6 1912	33·9 1937	7·8 1934	82·0 1941	31·1 1960	5·0 1913	38·1 1907	1911	1891	Chaibasa.
																				Bihar Plains
42·8 1955	19·0 1959	254·8 1935	37·2 1953	21·0 1965	203·2 1915	37·2 1953	19·4 1965	214·6 1898	38·4 1965	12·8 1895	158·2 1893	35·6 1955	7·1 1965	50·0 1932	28·9 1955	1·7 1896	33·8 1932	1884	1886	Motihari.
38·1 1962	21·7 1954	196·9 1956	39·0 1957	21·4 1960	133·6 1955	37·3 1961	20·4 1965	228·6 1960	35·8 1960	12·8 1957	110·0 1961	34·0 1958	9·2 1962	32·0 1956	31·1 1955	4·8 1964	6·0 1961	1954	1954	Forbesganj.

Sub-Division and Station	January			February			March			April			May			June		
	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R
Bihar Plains—(*contd.*)																		
Darbhanga	30·0 1964	1·1 1933	57·7 1957	33·3 1943	1·1 1905	43·9 1949	40·6 1941	7·2 1906	36·3 1897	43·9 1922	11·7 1912	60·5 1899	43·8 1958	17·2 1948	74·4 1923	43·3 1931	19·4 1930	243 18
Muzaffarpur	.. ..	.. ..	25·4 1961	.. ..	.. ..	8·9 1952	.. ..	.. ..	53·3 1960	.. ..	.. ..	30·5 1952	.. ..	.. ..	55·9 1961	.. ..	.. ..	99 19
Chapra	29·9 1964	4·9 1964	50·4 1959	39·6 1963	6·4 1964	15·0 1951	40·8 1960	11·9 1962	18·3 1960	43·9 1961	15·2 1965	17·2 1962	45·4 1960	20·0 1963	58·6 1964	44·8 1965	20·4 1965	135 19
Purnea	28·9 1902	1·7 1955	86·4 1957	34·4 1896	1·7 1891	59·7 1882	40·6 1941	5·8 1965	40·6 1950	43·3 1891	10·4 1965	114·3 1925	43·9 1916	15·6 1885	220·5 1887	42·8 1958	17·8 1906	266 18
Patna	30·3 1964	2·8 1933	57·4 1957	34·4 1896	2·2 1905	40·6 1949	40·6 1941	7·8 1906	53·1 1881	43·3 1956	14·4 1905	47·0 1962	45·6 1941	17·2 1932	109·2 1887	46·1 1931	20·0 1912	350 18
Patna Aerodrome	28·8 1964	3·5 1964	51·8 1957	34·4 1952	5·6 1964	14·0 1962	40·0 1955	10·4 1965	36·0 1959	43·3 1956	13·3 1965	32·8 1953	45·4 1958	17·8 1954	36·6 1963	45·6 1953	21·1 1952	107 19
Arrah	.. ..	.. ..	103·1 1957	.. ..	.. ..	20·1 1954	.. ..	.. ..	76·5 1957	.. ..	.. ..	69·9 1953	.. ..	.. ..	123·0 1959	.. ..	.. ..	108 19
Bhagalpur	29·5 1964	6·7 1964	91·2 1957	34·8 1964	8·2 1964	9·0 1961	40·0 1954	12·1 1957	16·7 1960	43·9 1956	16·0 1965	17·5 1952	44·4 1951	16·1 1955	70·3 1960	43·9 1953	21·1 1957	99 19
Sabaur	29·0 1958	0·6 1934	99·6 1957	33·3 1964	2·8 1950	41·7 1942	41·1 1941	3·9 1945	34·3 1940	43·3 1960	12·2 1965	47·5 1942	45·1 1958	16·1 1934	68·6 1960	46·1 1931	19·4 1934	170 19
Jamui	30·7 1958	3·8 1962	56·1 1957	35·0 1952	6·1 1964	18·4 1961	41·1 1955	10·0 1962	24·4 1952	44·4 1956	13·7 1959	40·0 1964	45·8 1958	19·1 1961	62·7 1952	45·6 1964	20·1 1963	123 19
Dehri	30·6 1958	4·8 1962	30·0 1959	35·3 1964	7·6 1964	17·0 1952	41·1 1953	12·2 1957	30·4 1960	44·4 1956	16·6 1965	27·9 1951	46·7 1951	19·4 1960	69·2 1964	46·1 1960	20·6 1961	220 19
Gaya	31·7 1939	2·9 1962	66·0 1901	35·6 1896	3·9 1950	49·8 1889	41·7 1941	8·3 1945	37·6 1891	45·0 1938	14·4 1965	41·4 1933	46·7 1948	17·2 1893	65·0 1963	47·2 1931	18·3 1913	229 18
Uttar Pradesh (East)																		
Kheri	27·8 1958	2·4 1964	49·8 1954	32·8 1960	3·4 1964	62·6 1961	39·4 1953	9·5 1965	37·2 1962	47·6 1961	11·9 1965	14·2 1965	45·4 1960	16·7 1958	46·7 1956	46·1 1958	17·3 1958	103 19
Bahraich	28·9 1946	0·6 1936	57·7 1953	34·4 1952	0·6 1905	49·5 1905	40·6 1941	5·6 1945	50·5 1914	44·4 1954	11·1 1943	61·0 1909	45·6 1953	15·6 1944	88·9 1938	46·7 1958	18·3 1914	266 19
Nautanwa	28·8 1962	1·0 1964	33·0 1957	32·0 1964	2·6 1965	27·2 1962	38·9 1955	9·0 1959	74·8 1962	43·3 1956	12·9 1960	30·8 1959	46·7 1962	16·6 1960	83·6 1956	44·4 1964	20·1 1960	183 19
Hardoi	28·9 1952	0·7 1964	54·9 1957	32·8 1952	2·2 1964	35·1 1954	38·9 1953	7·0 1964	40·6 1957	43·9 1961	12·0 1965	6·3 1951	45·3 1958	17·6 1964	26·9 1956	48·3 1951	20·6 1954	13 19
Gonda	28·9 1946	1·0 1964	52·6 1953	33·9 1952	1·6 1964	41·4 1935	41·1 1941	5·6 1945	40·4 1944	44·4 1938	11·8 1965	71·4 1933	49·9 1958	16·9 1960	104·1 1956	46·7 1942	16·7 1936	12 19
Lucknow	30·6 1943	1.1 1946	95·3 1883	35·0 1921	1·7 1905	61·5 1928	41·7 1945	7·2 1945	28·2 1940	45·6 1898	11·4 1965	129·5 1909	47·2 1944	17·8 1886	103·4 1891	48·3 1901	19·4 1886	229 18
Lucknow (Amausi)	28·9 1965	—1·0 1964	42·3 1959	34·2 1963	0 1964	22·1 1954	39·4 1955	6·1 1954	25·4 1952	43·3 1954	12·2 1965	19·6 1965	45·0 1962	17·9 1963	57·0 1959	45·6 1953	21·1 1957	109 19
Faizabad	27·7 1964	0·8 1964	30·1 1962	33·1 1960	2·1 1964	14·2 1962	38·4 1964	8·7 1965	16·7 1960	42·5 1959	11·4 1965	11·4 1965	43·6 1965	17·7 1960	44·0 1959	44·7 1965	21·8 1963	9 19
Gorakhpur	30·0 1937	1·7 1933	72·4 1883	35·0 1896	2·8 1905	33·0 1949	41·7 1941	8·3 1927	47·2 1891	43·9 1956	12·2 1905	67·3 1887	48·3 1958	16·7 1937	110·2 1956	46·5 1958	16·1 1949	208 19
Kanpur	31·1 1939	1·7 1950	48·5 1893	35·6 1930	0·6 1905	59·2 1942	42·8 1941	7·2 1945	61·7 1944	45·6 1938	11·1 1905	25·9 1928	47·2 1941	17·8 1909	25·4 1913	47·2 1931	20·6 1922	133 19
Kanpur (Aerodrome)	30·3 1964	0·8 1964	48·3 1962	33·9 1960	2·9 1964	19·1 1959	38·8 1959	8·2 1965	6·5 1960	44·6 1961	13·2 1965	24·8 1965	46·6 1962	18·3 1960	38·0 1961	45·8 1965	21·6 1959	53 19
Sultanpur	29·0 1964	2·9 1964	31·5 1959	33·5 1964	4·1 1964	5·8 1961	40·0 1964	8·9 1965	10·7 1960	43·4 1961	13·3 1965	16·4 1962	45·6 1962	19·0 1964	62·0 1964	45·6 1960	22·0 1963	73 19
Azamgarh	28·9 1964	1·6 1962	38·9 1957	35·0 1952	2·9 1962	37·6 1949	43·3 1949	9·5 1962	28·7 1958	44·4 1961	13·1 1965	14·2 1955	45·6 1953	18·0 1960	30·0 1959	47·9 1960	20·2 1961	81 19
Fatehpur	32·2 1943	1·1 1935	64·1 1962	35·0 1956	2·2 1964	49·8 1942	41·7 1953	6·1 1945	52·8 1950	45·0 1961	13·3 1965	37·1 1935	47·2 1952	19·3 1960	17·0 1948	46·7 1955	21·1 1947	74 19
Ballia	28·8 1961	1·6 1964	43·6 1959	33·4 1960	2·6 1964	5·8 1961	40·0 1962	8·9 1957	33·0 1960	44·5 1961	11·7 1965	11·4 1960	45·7 1958	16·1 1964	69·4 1964	45·6 1965	19·1 1965	99 19
Banda	32.4 1964	0.6 1962	65.6 1962	35·6 1956	3·3 1950	36·8 1954	41.1 1953	9.6 1964	20.1 1950	45.0 1961	13.1 1963	9·4 1961	47.8 1950	17·2 1964	29.0 1951	47.2 1958	21.0 1962	80 19
Allahabad (Bamhrauli)	31·1 1934	2·2 1936	70·9 1900	36·1 1896	1·1 1905	51·3 1898	41·7 1931	7·2 1906	34·5 1958	45·0 1961	12·7 1965	26·8 1965	47·2 1922	17·2 1924	35·6 1917	47·8 1901	19·4 1930	176 19
Varanasi (Babatpur)	29.4 1964	0.3 1963	37.8 1959	35.2 1964	2.8 1964	21.0 1954	41.1 1953	9.1 1965	31.2 1952	43·9 1961	13.5 1965	26·7 1965	46.2 1961	12.5 1963	26.8 1959	46.1 1953	14.3 1963	87 19
Varanasi	31.1 1882	2.5 1964	69.6 1959	36.1 1884	1.7 1905	67.1 1949	41.1 1955	6.7 1906	37.1 1940	44.4 1954	11.1 1905	34.5 1928	47.2 1884	17.3 1964	51.6 1889	47.2 1901	20.6 1914	159 18
Uttar Pradesh (West)																		
Mukhim	20.1 1963	—3.4 1960	66.0 1960	21.7 1956	—3.9 1961	45.4 1961	26.6 1964	—1.6 1960	79.5 1962	28.9 1958	1.7 1965	39.4 1957	31.7 1956	8.5 1962	43·7 1965	33.2 1958	9.4 1962	100 19
Tehri	25.6 1961	—1.2 1963	50.3 1957	30.0 1956	0.2 1964	50.3 1965	34.9 1964	1·9 1962	39.7 1963	39.3 1958	7·4 1965	30.5 1965	41.8 1962	12.2 1962	39.9 1956	42.3 1958	12.1 1957	49 19
Dehra Dun	26.1 1946	—1.1 1945	79·5 1945	29·4 1956	—1.1 1905	106.2 1949	37.2 1892	2·2 1945	81·5 1926	40·6 1892	7·4 1965	43.5 1965	42.8 1944	12.8 1947	79.3 1940	43.9 1902	13.9 1906	188 19
Mussoorie	18·7 1957	—3·5 1964	48·3 1958	17·6 1964	—4·0 1964	25·1 1964	22·3 1964	1·7 1957	74·0 1963	25·5 1957	1·7 1960	52·1 1967	30·8 1957	5·0 1964	58·0 1963	30·2 1957	11·6 1957	80 19
Roorkee	23·3 1898	—1·1 1935	101·6 1883	31·7 1956	—2·2 1905	111·0 1930	38·9 1945	2·8 1945	109·5 1955	43·3 1897	7·2 1905	38·3 1949	46·1 1884	14·4 1907	57·7 1910	46·7 1932	16·1 1900	148 19
Najibabad	27·0 1961	—2·9 1964	51·5 1965	32·8 1956	0·9 1964	48·3 1954	36·7 1953	2·2 1952	65·8 1962	41·5 1964	9·1 1965	36·6 1965	43·9 1962	15·6 1960	45·6 1965	45·2 1960	18·3 1954	89 19
Meerut	27·2 1952	1·7 1951	54·0 1962	31·1 1960	2·8 1964	56·4 1949	37·8 1955	8·3 1954	54·6 1951	43·1 1958	12·2 1960	30·5 1946	45·6 1962	17·3 1960	36·5 1964	46·1 1962	19·4 1951	43 19
Bareilly	29·4 1943	0·6 1905	61·0 1921	32·8 1884	0 1905	95·3 1915	40·0 1945	5·0 1945	96·0 1965	43·9 1952	11·1 1905	38·1 1909	46·7 1884	16·1 1898	40·1 1956	46·1 1948	19·4 1912	218 19

July			August			September			October			November			December			Based on data from		Sub-Division & Station
X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	Temperature	Rainfall	
																				Bihar Plains—*contd.*
39·1 1962	20·0 1965	199·6 1926	38·0 1965	21·1 1912	264·4 1913	38·3 1961	19·4 1965	266·7 1925	38·7 1961	14·4 1914	214·0 1961	33·3 1943	7·2 1926	49·0 1912	36·6 1960	4·4 1908	25·1 1929	1881	1881	Darbhanga.
.. ..	.. ..	192·9 1957	.. ..	.. ..	220 0 1963	.. ..	.. ..	99·1 1960	.. ..	.. ..	65·1 1963	.. ..	.. ..	11·5 1963	.. ..	.. ..	14·0 1962	..	1951	Muzaffarpur.
40·2 1962	20·2 1960	120·9 1952	39·2 1960	23·0 1965	138·9 1952	36·6 1960	21·0 1965	179·3 1960	35·4 1965	16·4 1960	86·0 1961	33·6 1965	10·5 1960	44·7 1956	30·7 1963	5·1 1961	13·2 1956	1960	1951	Chapra.
37·4 1962	21·1 1921	204·2 1916	37·3 1957	20·8 1965	239·3 1918	37·4 1964	19·3 1965	318·5 1898	35·6 1957	10·0 1891	158·0 1929	32·8 1952	7·2 1883	114·8 1932	30·6 1953	2·1 1965	53·3 1913	1881	1881	Purnea.
41·7 1903	21·1 1931	177·8 1893	36·3 1903	21·6 1965	165·3 1914	37·8 1928	19·8 1965	366·0 1918	36·1 1932	15·0 1954	158·2 1894	33·9 1952	8·3 1934	63·7 1915	30·6 1951	5·0 1961	75·7 1929	1881	1881	Patna.
40·0 1962	21·1 1960	130·6 1957	36·1 1957	21·4 1959	129·0 1963	37·2 1951	20·5 1965	126·4 1965	35·6 1951	12·2 1962	126·8 1964	33·3 1952	7·8 1952	35·6 1956	30·6 1951	2·2 1961	19·6 1957	1951	1951	Patna Aerodrome.
.. ..	.. ..	107·9 1955	.. ..	.. ..	127·0 1953	.. ..	.. ..	132·0 1960	.. ..	.. ..	59·0 1958	.. ..	.. ..	51·3 1956	.. ..	.. ..	7·0 1962	..	1951	Arrah.
39·0 1962	22·8 1956	82·3 1956	38·5 1957	21·7 1957	123·7 1955	37·2 1956	21·7 1956	352·8 1965	36·3 1957	16·1 1954	169·9 1961	34·4 1952	11·1 1952	97·1 1956	30·6 1951	5·2 1961	8·4 1954	1951	1951	Bhagalpur.
37·8 1958	22·8 1964	145·0 1934	37·4 1957	21·7 1965	107·0 1961	37·8 1933	21·7 1956	346·2 1965	35·6 1957	13·3 1954	185·2 1961	33·4 1957	6·1 1934	37·3 1956	29·4 1963	2·2 1964	7·9 1936	1931	1931	Sabaur.
40·2 1962	22·2 1953	122·4 1951	36·9 1964	22·8 1965	168·8 1960	36·1 1951	20·1 1964	180·6 1960	35·6 1951	15·0 1963	205·8 1961	33·9 1965	8·3 1952	22·9 1956	31·7 1963	4·8 1965	4·8 1961	1951	1951	Jamui.
42·2 1962	21·3 1964	164·4 1959	35·8 1965	21·9 1965	107·2 1958	35·6 1951	21·9 1965	79·4 1962	35·6 1951	14·7 1957	42·2 1963	34·5 1965	9·4 1952	64·0 1956	31·7 1952	1·8 1961	12·2 1961	1951	1951	Dehri.
43·3 1926	16·7 1886	209·8 1886	38·9 1935	18·5 1962	258·6 1942	38·3 1928	20·6 1890	200·4 1946	37·2 1918	12·8 1954	116·6 1894	35·0 1896	8·2 1960	81·8 1924	31·1 1929	1·4 1961	49·0 1885	1881	1881	Gaya.
																				Uttar Pradesh (East)
40·6 1951	22·2 1954	235·8 1961	37·3 1965	22·2 1957	229·6 1963	36·1 1956	18·9 1950	194·0 1965	36·0 1965	12·8 1954	167·6 1960	35·3 1957	6·1 1952	6·2 1959	29·0 1964	4·0 1964	14·2 1950	1950	1950	Kheri.
44·4 1902	20·6 1900	186·2 1955	38·3 1903	21·1 1956	325·9 1938	38·3 1907	18·3 1912	236·2 1919	37·8 1907	12·2 1935	171·5 1945	33·9 1951	5·0 1952	78·0 1927	31·7 1896	1·7 1913	81·0 1956	1896	1896	Bahraich.
42·1 1957	22·0 1965	191·2 1962	40·0 1956	21·0 1964	150·8 1958	39·9 1961	19·6 1964	203·2 195	38·7 1961	14·3 1957	159·6 1958	34·9 1962	7·2 1964	16·8 1963	30·0 1953	3·2 1961	10·3 1961	1954	1954	Nautanwa.
42·0 1962	22·6 1965	153·9 1953	38·0 1965	21·6 1958	209·8 1962	37·0 1963	19·4 1950	214·6 1960	37·8 1952	11·1 1954	241·6 1960	34·2 1965	6·1 1952	10·8 1959	31·8 1959	1·7 1961	15·7 1950	1950	1950	Hardoi.
41·7 1957	20·0 1949	215·4 1955	37·2 1939	16·7 1956	306·6 1938	37·8 1932	18·9 1950	174·2 1953	37·2 1951	12·2 1957	145·0 1933	33·9 1940	5·6 1934	32·5 1932	29·0 1963	2·8 1964	29·5 1950	1932	1932	Gonda.
45·6 1903	21·1 1963	311·7 1947	38·9 1911	21·2 1958	177·8 1881	39·4 1920	17·6 1964	250·2 1915	40·0 1896	11·1 1895	128·4 1958	35·0 1951	5·0 1920	48·3 1927	33·3 1896	1·7 1902	50·5 1885	1881	1881	Lucknow.
41·7 1954	22·2 1963	272·4 1960	38·0 1965	22·8 1957	121·9 1961	40·1 1958	18·2 1965	148·6 1957	37·2 1952	12·2 1954	191·4 1958	38·0 1963	3·9 1952	4·8 1956	29·4 1964	0·6 1961	20·4 1964	1952	1952	Lucknow (Amausi).
40·3 1962	22·1 1964	147·2 1963	37·4 1965	22·3 1961	125·8 1962	35·9 1963	19·8 1965	87·3 1964	36·7 1965	12·9 1960	97·2 1959	33·6 1963	6·7 1960	10·2 1963	30·0 1964	2·9 1961	17·3 1964	1959	1959	Faizabad.
41·0 1964	18·9 1953	189·5 1937	37·2 1953	21·1 1944	284·5 1912	37·8 1928	17·8 1912	239·5 1930	37·0 1964	12·8 1895	218·7 1894	34·0 1964	6·7 1953	55·9 1956	29·4 1963	2·8 1913	28·7 1929	1881	1881	Gorakhpur.
45·0 1903	21·7 1948	181·0 1965	40·6 1903	21·7 1948	235·2 1915	40·0 1932	16·1 1896	233·9 1915	40·6 1896	11·1 1895	136·1 1894	36·1 1940	5·0 1948	59·2 1911	31·3 1959	−0·9 1961	40·6 1950	1891	1891	Kanpur.
43·3 1962	21·2 1965	158·3 1965	38·6 1965	22·8 1962	107·6 1962	36·8 1963	19·7 1963	101·6 1964	37·5 1965	12·6 1964	117·9 1961	35·6 1963	6·1 1962	2·5 1959	30·3 1959	−1·4 1961	17·1 1964	1959	1959	Kanpur (Aerodrome).
41·7 1962	21·9 1963	132·2 1963	37·2 1965	22·5 1965	99·4 1960	36·2 1960	20·5 1962	140·6 1964	36·5 1965	13·9 1964	237·4 1961	34·0 1963	7·9 1964	4·4 1963	30·0 1963	3·3 1961	21·8 1961	1959	1959	Sultanpur.
41·1 1962	21·1 1953	186·7 1955	37·9 1965	21·3 1965	130·6 1953	28·3 1951	18·9 1962	210·8 1956	37·8 1951	12·3 1960	81·0 1958	36·1 1951	6·2 1960	40·9 1956	31·1 1954	0·9 1961	12·5 1950	1949	1949	Azamgarh.
44·0 1962	21·7 1949	175·3 1932	39·4 1945	21·7 1953	191·8 1953	38·3 1932	19·2 1962	125·0 1939	38·9 1951	12·5 1964	111·0 1960	35·8 1965	6·1 1937	12·2 1936	31·1 1946	1·9 1961	39·4 1950	1932	1932	Fatehpur.
43·0 1962	18·3 1964	160·0 1963	37·0 1960	18·6 1964	149·1 1958	36·1 1959	19·3 1963	95·8 1962	36·1 1957	10·4 1957	137·2 1961	34·0 1961	5·8 1957	0 ..	29·9 1958	2·5 1964	8·2 1962	1957	1957	Ballia
44·5 1965	20·6 1963	159·0 1951	40·1 1965	20·1 1963	164·4 1961	37·8 1951	18·0 1963	201·4 1965	38·7 1965	13·2 1957	109·6 1960	36·0 1965	6·1 1950	34·3 1956	31·1 1959	0·8 1961	34·6 1950	1949	1949	Banda
45·6 1901	22·2 1963	229·4 1963	41·4 1963	21·1 1953	335·3 1953	39·4 1928	18·3 1912	266·2 1938	40·6 1896	11·7 1898	163·3 1894	35·9 1965	5·6 1941	96·0 1956	31·1 1946	−0·7 1961	54·6 1886	1881	1881	Allahabad (Bamhrauli)
42·8 1962	22·1 1957	166·4 1955	37·9 1965	23·3 1961	137·6 1962	36·1 1960	21·3 1963	111·4 1959	36·8 1965	12·8 1954	36·4 1959	34·2 1965	6·1 1952	140·5 1956	30·0 1963	2·3 1962	11·9 1953	1952	1952	Varanasi (Babatpur)
45·0 1901	20·0 1919	288·3 1914	40·0 1903	22·2 1955	321·6 1940	38·3 1938	17·8 1912	349·5 1943	39·4 1896	11·7 1919	138·9 1900	35·6 1941	6·7 1926	74·9 1927	32·8 1956	2·2 1913	53·1 1929	1881	1881	Varanasi
																				Uttar Pradesh (West)
28·2 1962	12·7 1962	105·2 1957	26·7 1957	13·8 1965	98·9 1963	26·1 1958	9·9 1963	121·3 1963	25·8 1964	2·7 1961	113·3 1956	24·5 1964	2·2 1961	33·5 1959	21·2 1960	−0·3 1962	77·7 1957	1956	1956	Mukhim
40·0 1961	13·2 1957	73·7 1956	36·7 1960	19·8 1965	62·5 1958	36·3 1963	14·9 1963	115·6 1963	34·8 1960	8·6 1960	172·5 1956	31·1 1956	4·1 1961	25·2 1959	26·6 1964	−1·5 1961	39·8 1958	1956	1956	Tehri
40·6 1931	18·2 1965	294·6 1890	37·2 1949	19·0 1965	332·2 1951	34·4 1938	14·4 1940	22·6 1924	36·1 1901	9·3 1961	137·4 1956	30·6 1952	2·8 1938	78·7 1911	27·2 1960	0 1954	108·5 1923	1881	1881	Dehra Dun
24·5 1965	12·8 1965	203·6 1965	23·7 1965	12·4 1965	75·5 1960	24·1 1963	1·0 1960	77·6 1964	21·0 1965	5·5 1965	134·6 1965	20·8 1964	−1·0 1964	59·6 1965	16·6 1965	−1·0 1963	82·0 1957	1957	1957	Mussoorie
45·0 1931	20·0 1965	228·9 1889	39·8 1960	19.8 1965	212·0 1963	38·3 1899	15·6 1944	266·7 1888	38·3 1899	8·9 1953	231·7 1956	33·9 1952	2·8 1934	58·2 1911	28·3 1889	−0·6 1902	58·2 1923	1881	1881	Roorkee
41·7 1963	18·4 1965	188·0 1958	37·1 1965	18·1 1965	150·8 1963	36·7 1963	15·6 1962	178·8 1963	35·5 1965	10·0 1954	160·5 1956	33·9 1952	3·3 1956	11·4 1956	29·7 1960	0·6 1956	44·2 1961	1952	1952	Najibabad
42·8 1949	20·7 1965	146·1 1953	38·3 1954	19·9 1965	171·2 1964	37·8 1951	18.5 1965	162·0 1965	37·8 1951	10·9 1964	113·0 1954	34·0 1965	5·6 1962	12·5 1951	30·0 1964	0·2 1961	23·0 1961	1945	1945	Meerut
43·9 1903	20·0 1931	251·2 1882	40·6 1918	21·1 1916	224·8 1961	38·5 1963	16·7 1899	206·8 1912	38·3 1918	8·9 1887	193·1 1960	36·1 1920	5·6 1934	63·0 1904	30·0 1960	1·7 1930	37·6 1923	1881	1881	Bareilly

Sub-Division & Station	January			February			March			April			May			June		
	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R
Uttar Pradesh (West)—*contd.*																		
Aligarh	30·6 1946	0·6 1935	40·6 1944	32·9 1960	1·7 1950	45·0 1954	41·7 1945	3·9 1945	26·3 1960	44·4 1948	10·9 1957	30·5 1933	46·7 1954	17·8 1957	39·4 1941	46·3 1958	18·6 1957	144 19
Mainpuri	30·6 1946	—1·7 1927	58·2 1963	34·4 1922	—0·6 1905	60·2 1898	41·7 1945	5·0 1945	33·3 1957	45·6 1948	11·1 1903	29·7 1914	47·8 1943	15·6 1955	41·4 1960	49·2 1961	18·9 1949	191 19
Agra	31·1 1946	—2·2 1935	49·5 1957	35·6 1897	—1·7 1929	51·8 1915	42·8 1892	5·6 1945	41·3 1960	45·0 1941	11·7 1940	32·5 1944	47·2 1943	16·7 1926	32·3 1926	48·3 1889	19·4 1922	97 18
Agra (Aerodrome)	28·1 1964	—0·7 1964	31·1 1962	33·8 1960	1·6 1964	12·7 1965	38·4 1964	8·8 1960	35·5 1960	44·7 1964	10·6 1965	33·0 1965	46·8 1962	18·6 1960	26·0 1960	46·8 1962	23·3 1963	21 19
Orai	30·1 1964	2·2 1963	35·0 1961	34·4 1960	2·2 1951	22·9 1954	41·1 1955	8·9 1957	22·1 1951	44·1 1958	14·4 1965	12·0 1965	46·7 1962	19·0 1964	37·0 1959	46·7 1955	15·6 1957	234 19
Jhansi	33·3 1946	1·7 1935	83·0 1959	37·8 1930	0·6 1929	36·8 1944	43·3 1892	7·2 1945	42·2 1950	45·6 1958	14·0 1965	18·3 1933	47·2 1947	19·8 1964	40·6 1943	47·8 1924	20·6 1922	162 19
Punjab India (including Delhi)																		
Pathankot	23·6 1961	—1·8 1964	40·9 1965	28·9 1960	0·6 1964	32·8 1961	35·0 1958	6·7 1962	48·7 1962	42·2 1958	7·8 1965	36·3 1965	44·9 1962	10·4 1964	50·8 1959	46·1 1960	18·0 1964	54 19
Amritsar (Rajasansi)	26·2 1965	—1·7 1962	43·4 1961	32·2 1953	—0·6 1958	25·9 1950	35·6 1953	3·9 1954	39·4 1951	43·3 1958	6·9 1960	24·5 1965	46·1 1954	12·9 1960	24·6 1951	46·7 1953	15·6 1958	39 19
Adampur (Aerodrome)	28·1 1960	—4·9 1964	21·1 1959	33·9 1960	—3·4 1964	40·5 1959	35·0 1964	3·3 1964	36·1 1963	40·8 1964	8·3 1965	27·4 1965	45·0 1960	13·9 1964	21·6 1959	45·5 1960	16·3 1962	37 19
Ludhiana	28·9 1910	—2·2 1964	119·6 1911	33·3 1956	—1·1 1905	71·9 1942	41·1 1945	1·3 1964	89·9 1951	46·1 1941	8·9 1905	55·9 1944	48·3 1944	11·7 1964	38·6 1965	47·9 1958	18·3 1952	108 18
Ferozepore	27·2 1952	—2·9 1964	45·2 1957	33·3 1953	0 1964	29·0 1954	37·2 1955	5·0 1951	55·1 1957	44·9 1958	9·1 1965	15·0 1955	47·2 1954	13·2 1964	29·0 1951	46·7 1954	15·5 1958	93 19
Halwara (Aerodrome)	25·6 1961	—2·8 1964	79·0 1962	29·1 1960	—1·1 1964	22·9 1965	34·4 1962	3·9 1965	15·3 1962	41·4 1962	7·7 1965	19·2 1965	45·0 1962	13·4 1960	43·2 1959	45·6 1960	20·3 1960	30 19
Chandigarh	26·3 1961	0 1956	68·4 1961	32·8 1954	0 1961	44·4 1965	35·6 1958	6·0 1963	58·8 1965	41·2 1958	11·2 1959	49·8 1965	44·6 1962	15·0 1955	23·2 1964	45·3 1958	17·8 1956	57 19
Ambala	28·9 1946	—1·1 1947	104·9 1953	33·9 1956	—0·6 1905	146·8 1898	41·7 1945	3·9 1945	103·9 1956	45·0 1941	10·0 1944	82·0 1935	47·8 1944	14·4 1920	85·1 1913	47·8 1923	19·4 1939	105 19
Ambala (Aerodrome)	25·6 1961	—1·4 1962	117·1 1961	30·6 1960	—0·3 1964	64·2 1961	35·9 1959	7·5 1962	60·1 1962	41·3 1964	10·0 1965	10·5 1965	45·2 1962	15·6 1964	46·5 1965	45·8 1960	20·0 1960	64 19
Patiala	27·8 1952	0 1962	52·0 1961	33·3 1956	1·7 1950	59·2 1949	37·8 1953	6·7 1957	44·2 1962	42·8 1958	10·3 1965	11·4 1957	46·7 1954	17·2 1955	24·4 1965	46·1 1959	19·4 1955	71 19
Bhatinda	27·4 1965	—2·0 1964	17·5 1962	31·8 1960	—0·9 1964	11·0 1961	36·9 1964	4·9 1965	15·5 1960	44·7 1962	8·9 1965	8·3 1961	46·1 1962	15·4 1964	21·6 1960	45·9 1962	20·9 1964	41 19
Karnal	27·2 1952	0 1964	52·0 1961	31·7 1960	1·5 1964	45·7 1954	36·7 1953	7·0 1957	33·5 1956	42·8 1952	11·2 1957	26·4 1955	46·0 1962	16·8 1960	21·1 1951	45·6 1958	18·0 1962	68 19
Hissar	30·6 1952	—3·9 1929	58·4 1948	34·4 1956	—2·2 1929	46·0 1937	45·6 1945	2·8 1945	39·4 1927	47·9 1958	8·3 1918	22·6 1944	48·3 1944	14·4 1948	41·1 1916	47·8 1954	17·8 1922	69 19
New Delhi (Safdarjung)	29·4 1946	—0·6 1935	116·8 1885	33·3 1934	1·7 1950	104·1 1942	40·6 1945	4·4 1945	62·2 1915	45·6 1941	10·7 1965	40·9 1909	47·2 1944	17·5 1964	30·5 1885	46·7 1945	18·9 1932	235 19
Palam (Aerodrome)	26·3 1961	—0·8 1964	45·5 1962	32·8 1960	0·6 1964	12·0 1961	37·8 1964	6·7 1965	12·0 1960	43·4 1961	10·6 1965	7·5 1965	46·5 1964	16·6 1960	20·0 1964	45·7 1959	21·1 1963	66 19
Narnaul*	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Himachal Pradesh																		
Mandi	26·9 1965	—3·0 1962	76·0 1961	27·8 1957	—1·1 1964	43·2 1959	32·9 1964	4·1 1964	108·4 1963	38·9 1958	6·7 1955	27·4 1965	41·4 1962	9·9 1959	60·0 1964	42·7 1958	15·3 1958	66 19
Bilaspur	33·4 1965	—0·1 1962	57·9 1961	28·9 1960	0 1964	62·6 1961	33·9 1959	0·9 1964	129·2 1963	40·7 1958	5·6 1964	30·0 1965	43·9 1962	5·9 1964	42·2 1964	44·2 1958	10·9 1962	49 19
Jammu and Kashmir																		
Misgar	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Gilgit	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Skardu	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Dras	5·0 1907	—42·8 1909	63·5 1943	6·7 1928	—43·3 1911	105·4 1928	10·0 1903	—33·9 1911	104·9 1930	18·3 1946	—25·0 1905	65·8 1928	25·0 1910	—15·0 1947	127·0 1958	30·6 1906	—10·0 1947	60 19
Sonamarg	.. ..	.. ..	88·9 1950	.. ..	.. ..	77·2 1951	.. ..	.. ..	78·0 1951	.. ..	.. ..	55·9 1953	.. ..	.. ..	53·3 1955	.. ..	.. ..	50 19
Leh	8·3 1916	—28·3 1899	24·4 1893	12·8 1953	—26·4 1964	16·8 1903	19·4 1908	—19·4 1903	16·0 1930	23·9 1941	—12·8 1903	22·1 1896	28·9 1893	—4·4 1886	22·3 1951	33·9 1882	—1·1 1886	19 19
Srinagar	17·2 1902	—14·4 1893	147·8 1930	20·6 1940	—20·0 1895	66·3 1906	25·6 1931	—5·6 1895	70·1 1920	31·1 1946	0 1905	65·3 1957	35·6 1936	2·8 1920	52·8 1931	37·8 1946	7·2 1935	65 19
Srinagar (Aerodrome)	11·2 1961	—13·9 1964	97·8 1964	17·8 1960	—13·8 1964	36·4 1959	21·1 1962	—4·4 1963	46·8 1960	25·7 1962	—0·8 1960	48·2 1961	31·0 1963	5·1 1960	54·8 1965	32·7 1960	7·8 1964	36 19
Gulmarg	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	29·4 1922	—3·9 1935	83 19
Qazigund	7·2 1964	—15·7 1964	108·4 1964	16·9 1963	—16·7 1964	55·4 1965	21·1 1964	—5·2 1963	76·3 1963	24·9 1963	0 1965	43·3 1965	30·5 1963	4·3 1964	88·0 1965	33·9 1965	8·9 1965	103 19
Banihal	17·2 1963	—12·0 1964	73·4 1964	19·6 1963	—8·1 1964	64·2 1965	24·7 1964	—2·1 1963	100·1 1963	28·9 1962	0·0 1965	51·1 1965	32·7 1963	4·0 1964	101·6 1965	34·0 1964	6·3 1964	94 19
Jammu	26·7 1926	—2·1 1964	94·7 1932	31·7 1947	1·1 1929	110·7 1914	37·2 1945	4·4 1945	88·9 1915	43·9 1941	10·0 1918	66·0 1914	46·1 1954	10·1 1963	33·0 1936	47·2 1953	18·3 1936	114 19
Jammu (Aerodrome)	23·7 1961	1·1 1964	56·4 1950	27·2 1963	2·2 1961	35·6 1959	33·9 1964	6·8 1961	28·9 1963	39·6 1962	11·1 1963	48·5 1965	44·4 1964	15·5 1965	30·5 1965	45·2 1962	18·4 1962	19 19
Rajasthan (West)																		
Ganganagar	36·1 1948	—2·2 1945	35·1 1948	35·0 1953	—2·8 1950	28·2 1948	41·1 1942	0·6 1945	47·0 1956	46·6 1958	8·3 1940	22·3 1944	49·4 1944	11·7 1945	48·0 1951	50·0 1934	18·3 1952	99 19
Anupgarh	29·9 1965	—4·0 1964	0 ..	32·3 1962	0·6 1964	0 ..	37·4 1961	5·2 1962	0 ..	45·8 1964	7·4 1965	18·3 1961	48·5 1962	17·6 1964	0 ..	46·6 1964	20·4 1964	.. ..

*Observatory started from 18-10-65.

July			August			September			October			November			December			Based on Data from		Sub-Division & Station
X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	Temp.	Rain fall	
																				Uttar Pradesh (West)—(*Contd.*)
43·9 1948	20·6 1947	164·6 1942	40·6 1941	20·1 1957	183·6 1964	40·0 1938	16·7 1962	220·6 1964	41·7 1952	11·7 1949	138·7 1955	36·1 1944	5·0 1937	14·0 1959	32·8 1948	2·2 1945	17·8 1935	1932	1932	Aligarh.
45·6 1903	18·3 1934	135·9 1927	42·2 1918	21·6 1965	256·3 1949	40·6 1905	16·7 1942	186·4 1931	40·6 1896	10·6 1932	237·2 1960	36·1 1948	2·2 1926	31·7 1927	31·1 1959	—1·1 1926	59·2 1929	1896	1896	Mainpuri.
45·6 1919	17·0 1962	182·1 1964	42·2 1918	20·8 1957	149·9 1952	41·0 1962	17·2 1953	286·0 1939	41·1 1920	9·4 1939	169·7 1910	36·1 1909	2·8 1926	45·7 1911	30·0 1964	—0·6 1926	26·7 1923	1881	1881	Agra.
43·6 1962	23·3 1965	150·0 1964	38·0 1962	21·7 1961	119·8 1959	38·1 1961	16·4 1962	111·3 1964	38·2 1965	11·1 1964	49·1 1965	35·6 1965	4·8 1962	8·6 1959	29·4 1964	0 1961	9·1 1963	1959	1959	Agra (Aerodrome).
43·9 1951	17·8 1962	110·0 1953	39·1 1964	20·0 1950	232·4 1957	37·8 1951	17·8 1950	253·0 1965	38·3 1951	11·1 1957	220·4 1960	35·3 1963	4·4 1950	16·0 1963	30·6 1954	—1·7 1961	45·0 1950	1950	1950	Orai
45·6 1900	21·5 1963	239·5 1927	42·2 1911	18·3 1960	249·7 1930	40·6 1913	18·3 1942	261·6 1910	40·6 1913	11·7 1916	119·6 1903	36·4 1965	5·0 1938	62·2 1927	32·8 1940	0·3 1961	24·4 1924	1881	1881	Janshi.
																				Punjab India (including Delhi)
43·1 1962	19·5 1965	244·6 1960	36·5 1964	7·9 1965	239·4 1961	36·7 1965	15·0 1963	120·4 1959	36·0 1965	8·7 1964	46·3 1958	33·3 1965	4·1 1962	22·4 1962	27·2 1959	—1·4 1964	32·2 1960	1958	1958	Pathankot.
45·6 1954	20·6 1955	146·3 1948	40·7 1964	19·3 1957	79·8 1956	40·6 1949	16·9 1962	308·4 1962	38·3 1951	8·3 1953	190·5 1955	34·2 1965	—0·6 1949	31·8 1959	27·7 1958	—2·8 1950	32·0 1963	1948	1948	Amritsar (Rajasansi).
43·0 1965	21·1 1965	141·7 1962	38·2 1965	20·0 1965	81·2 1960	39·4 1965	15·0 1963	123·7 1962	38·2 1965	7·2 1964	59·3 1959	33·5 1965	1·9 1962	18·0 1962	27·5 1965	—2·0 1965	16·5 1963	1959	1959	Adamur (Aerodrome).
47·8 1881	18·6 1958	163·1 1893	44·4 1884	19·0 1965	184·9 1887	41·7 1905	15·2 1962	254·4 1962	40·0 1941	9·4 1964	354·3 1955	35·8 1965	0·3 1962	25·4 1957	29·4 1944	—1·1 1930	60·5 1894	1881	1881	Ludhiana.
45·1 1597	20·6 1963	119·6 1951	40·2 1962	16·2 1962	190·0 1964	39·4 1954	16·2 1962	209·6 1958	39·4 1952	8·3 1952	63·3 1955	35·0 1951	2·1 1962	42·7 1951	28·3 1953	—1·7 1950	44·5 1957	1950	1950	Ferozepore.
43·1 1962	19·4 1965	107·7 1959	39·3 1962	20·7 1965	104·8 1962	38·9 1965	14·9 1965	35·6 1959	37·8 1961	7·8 1964	19·9 1961	34·1 1965	2·2 1962	17·3 1962	27·3 1959	—0·8 1965	29·1 1960	1959	1959	Halwara (Aerodrome).
41·6 1957	18·3 1956	112·1 1961	38·4 1962	18·9 1956	115·0 1963	37·3 1958	16·7 1962	234·9 1955	37·0 1960	9·4 1955	63·7 1955	33·4 1958	4·4 1957	24·8 1961	28·0 1964	1·1 1955	32·0 1960	1954	1954	Chandigarh.
46·7 1903	19·4 1956	162·3 1945	43·9 1918	20·0 1939	228·9 1896	40·6 1951	15·6 1912	224·8 1945	39·4 1941	8·3 1898	138·4 1916	35·6 1947	2·8 1926	135·1 1951	29·4 1944	—0·6 1913	47·5 1924	1896	1896	Ambala.
42·4 1962	20·6 1965	162·8 1961	37·9 1962	20·6 1965	197·0 1964	36·6 1965	15·0 1965	233·5 1962	37·2 1965	9·2 1960	14·3 1961	34·0 1965	3·8 1960	15·9 1959	27·6 1964	—0·7 1965	27·1 1960	1959	1959	Ambala (Aerodrome).
45·0 1951	20·9 1965	238·0 1949	40·4 1962	21·2 1965	168·7 1955	40·6 1951	17·1 1962	160·0 1964	38·9 1951	10·0 1948	81·0 1955	34·4 1965	4·4 1952	52·1 1951	29·4 1964	0·4 1961	21·3 1957	1948	1948	Patiala.
44·9 1964	21·4 1965	94·5 1962	40·7 1960	19·9 1965	181·4 1964	39·6 1960	16·7 1962	125·0 1962	38·7 1961	7·9 1964	18·3 1961	38·4 1965	2·8 1962	9·1 1962	28·9 1964	0·0 1965	19·2 1960	1960	1960	Bhatinda.
43·9 1959	19·0 1960	131·1 1950	42·0 1962	18·4 1960	167·6 1952	38·3 1951	6·7 1949	250·0 1962	39·3 1957	11·1 1957	130·3 1956	34·4 1953	4·5 1962	23·0 1959	27·8 1959	0·1 1964	23·6 1958	1949	1949	Karnal.
47·2 1947	20·6 1952	120·6 1964	43·3 1918	21·0 1962	346·7 1926	42·2 1938	15·6 1923	259·1 1917	41·7 1951	8·3 1949	122·7 1917	36·7 1943	2·5 1962	48·0 1959	33·6 1960	—1·1 1945	38·1 1924	1916	1916	Hissar.
45·0 1931	21·6 1964	266·2 1958	40·0 1945	21·2 1965	184·0 1961	40·6 1938	17·3 1964	176·5 1904	39·4 1951	9·4 1937	172·7 1954	35·0 1943	3·9 1938	20·8 1925	28·9 1959	1·1 1945	53·3 1894	1931	1881	New Delhi (Safdarganj)
42·8 1962	17·8 1964	119·3 1962	38·8 1965	21·4 1962	136·8 1961	36·8 1960	15·6 1962	124·5 1964	39·6 1961	9·9 1964	34·7 1961	34·9 1965	2·8 1960	35·0 1959	28·8 1964	0 1965	22·5 1963	1959	1959	Palam (Aerodrome).
.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	37·6 1965	7·9 1965	0 ..	28·6 1965	—0·9 1965	1·0 1965	1965	1965	Narnaul*
																				Himachal Pradesh
33·5 1962	14·6 1964	141·8 1961	34·2 1957	14·6 1964	271·1 1960	35·9 1965	9·7 1965	98·6 1960	33·6 1965	4·3 1964	74·7 1955	33·2 1963	2·5 1961	31·8 1962	30·1 1962	—2·9 1965	35·3 1958	1954	1954	Mandi.
41·8 1957	10·5 1964	124·5 1960	37·5 1962	13·9 1964	92·4 1961	35·4 1957	7·6 1964	103·4 1957	36·0 1962	4·5 1964	62·4 1961	34·8 1964	3·0 1960	34·8 1957	33·8 1964	0 1960	40·2 1960	1957	1957	Bilaspur
																				Jammu and Kashmir
.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	Misgar.
.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	Gilgit.
.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	Skardu.
33·9 19 5	0·6 1907	55·9 1957	31·7 1907	2·2 1913	40·0 1958	29 4 1906	—5·6 1906	58·4 1928	25·0 1916	—20·0 1937	88·9 1917	15·0 1902	—29·4 1911	61·7 1946	9·4 1904	—45·0 1910	81·5 1221	1901	1901	Dras.
.. ..	.. ..	42·2 1960	.. ..	.. ..	74·8 1960	.. ..	.. ..	251·2 1954	.. ..	.. ..	31·7 1949	.. ..	.. ..	29·2 1949	.. ..	.. ..	54·5 1950	..	1948	Sonamarg.
33·3 1883	0·6 1929	23·6 1882	32·2 1946	2·8 1941	51·3 1933	30·6 1883	—4·4 1940	25·9 1893	25·6 1916	—7·8 1923	39·1 1955	20·0 1929	—13·9 1962	16·2 1959	12·8 1891	—25·6 1937	15·2 1944	1881	1881	Leh.
38·3 1946	10·6 1919	79·0 1959	36·7 1946	10·0 1932	67·3 1929	35·0 1934	4·4 1940	102·4 1928	33·9 1931	—1·7 1934	59·9 1917	23·9 1946	—7·8 1934	64·3 1959	18·3 1901	—12·8 1964	97·5 1964	1891	1891	Srinagar.
35·6 1962	11·9 1962	58·4 1959	33·8 1962	8·6 1965	33·8 1961	32·7 1960	6·1 1964	33·7 1962	28·3 1959	1·9 1960	11·7 1961	22·2 1964	—2·9 1960	67·2 1959	14·6 1959	—16·6 1964	78·9 1964	1959	1959	Srinagar (Aerodrome)
29·4 1918	2·8 1907	236·2 1959	28·0 1961	2·8 1951	115·3 1929	25·0 1934	—2·8 1940	90·9 1905	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	1901	1901	Gulmarg.
32·9 1964	11·7 1962	33·9 1962	30·5 1964	10·4 1965	23·2 1962	30·6 1962	4·4 1965	99·2 1962	27·6 1964	1·9 1964	15·4 1965	22·6 1965	—8·2 1962	44·4 1963	12·8 1963	—14·4 1964	96·9 1963	1962	1962	Qazigun.
34·6 1964	12·7 1964	49·6 1962	30·9 1961	11·2 1965	23·9 1963	30·0 1965	6·2 1965	127·0 1962	30·1 1964	2·1 1961	22·3 1961	25·5 1965	—1·8 1962	58·6 1965	19·0 1963	—13·6 1964	92·5 1963	1961	1961	Banihal.
45·0 1951	16·1 1951	279·2 1961	41·7 1918	17·8 1912	228·6 1926	38·3 1954	15·0 1950	184·1 1950	37·9 1965	12·2 1914	160·0 1955	34·2 1955	6·1 1962	40·1 1928	27·3 1965	2·1 1964	66·8 1924	1911	1911	Jammu.
43·3 1962	20·7 1963	335·3 1961	38·3 1963	20·6 1963	96·6 1964	35·3 1962	17·1 1963	172·8 1962	35·8 1964	12·8 1964	27·7 1959	32·2 1963	5·0 1962	33·2 1959	25·9 1959	1·4 1964	45·7 1961	1959	1959	Jammu (Aerodrome).
																				Rajasthan (West)
46·7 1948	20·9 1963	86·1 1956	42·8 1946	21·7 1950	146·1 1948	42·8 1939	15·6 1944	135·8 1958	41·1 1952	6·7 1949	10.6 1959	37·2 1943	1·7 1938	20.6 1959	31·1 1959	—1·7 1950	29·6 1958	1934	1937	Ganganagar.
46·0 1964	22·8 1964	.. ..	42·6 1964	23·6 1964	.. ..	41·0 1965	19·4 1964	.. ..	39·6 1964	8·4 1964	.. ..	34·1 1964	4·0 1964	.. ..	28·2 1964	—3·0 1964	.. ..	1961	1961	Anupgarh.

Observatory started from 18-10-1965.

Sub-Division & Station	January			February			March			April			May			June		
	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R
Rajasthan (West)—(*contd.*)																		
Mahajan	30·0 1965	−5·1 1963	13·2 1965	33·0 1962	−2·8 1964	0 ..	39·0 1964	6·3 1964	5·1 1965	45·4 1964	14·8 1964	4·0 1963	47·8 1962	17·4 1965	10·0 1963	47·5 1962	16·7 1965	12· 196
Churu	29·4 1965	−4·4 1964	15·0 1957	33·8 1960	−1·1 1964	8·2 1961	39·0 1959	6·2 1960	13·8 1957	45·9 1958	10·3 1957	8·0 1963	46·6 1962	15·6 1960	19·4 1964	45·7 1962	21·1 1957	65· 196
Bikaner	31·4 1965	−4·0 1964	25·4 1958	37·2 1953	−2·2 1950	46·7 1906	42·8 1924	−0·6 1898	43·9 1911	47·2 1925	8·3 1953	31·0 1944	49·4 1914	13·7 1960	48·3 1883	48·9 1897	17·8 1888	110· 189
Nagaur	31·9 1965	−2·0 1964	2·3 1961	34·6 1960	1·1 1964	11·0 1961	40·1 1959	8·1 1965	2·0 1964	43·3 1962	11·5 1965	23·0 1965	48·4 1965	16·6 1960	16·0 1959	44·6 1961	19·7 1960	33· 196
Phalodi	31·9 1965	−3·3 1942	41·1 1944	37·8 1953	0·6 1951	23·4 1948	42·8 1961	1·7 1945	12·9 1948	47·0 1958	11·4 1965	28·2 1962	47·2 1956	19·4 1944	33·8 1953	46·7 1944	19·8 1964	84· 194
Jaisalmer	32·5 1965	−4·4 1949	7·6 1957	37·8 1953	−2·2 1951	8·4 1961	41·6 1958	6·0 1960	8·9 1955	44·0 1964	10·6 1953	20·8 1961	47·8 1956	17·0 1960	16·0 1951	47·0 1963	20·5 1957	131· 196
Jodhpur	32·8 1932	−2·2 1905	40·1 1948	38·3 1953	−0·6 1920	22·6 1939	41·8 1959	5·0 1908	20·6 1926	48·0 1958	9·4 1948	26·7 1919	48·9 1932	17·2 1909	38·1 1916	47·8 1901	19·4 1914	112· 191
Barmer	33·5 1965	−1·7 1935	59·9 1945	39·4 1943	4·0 1957	23·6 1939	43·3 1946	8·9 1945	24·6 1940	48·3 1958	12·2 1945	23·1 1933	48·9 1932	16·7 1931	36·6 1945	46·7 1946	16·2 1964	99· 196
Erinpura (Jawai Dam)	32·4 1965	0 1964	36·8 1957	36·1 1955	2·3 1964	6·1 1961	40·0 1952	8·8 1959	16·8 1957	45·6 1958	12·8 1965	6·1 1959	45·0 1962	18·4 1964	20·6 1964	43·6 1958	20·5 1961	51· 196
Munabao*	.. ..	.. ..	0 ..	35·5 1961	4·0 1962	10·4 1961	40·0 1961	6·5 1962	3·0 1962	46·0 1961	14·0 1962	27·8 1961	45·0 1961	.. ..	0 ..	45·0 1962	.. ..	4· 196
Rajasthan (East)																		
Pilani	29·7 1959	−3·9 1964	6·2 1961	34·2 1960	−0·9 1964	7·7 1961	39·2 1959	6·0 1965	15·2 1960	43·9 1962	9·0 1965	4·6 1960	46·1 1962	16·6 1960	35·6 1965	46·9 1963	20·5 1965	21· 196
Sikar	30·6 1949	−2·2 1955	19·1 1957	36·1 1953	−2·8 1951	16·5 1954	39·4 1949	3·3 1954	13·2 1960	44·4 1958	−7·2 1953	7·6 1952	47·8 1956	15·6 1955	51·3 1959	43·9 1948	18·6 1965	53· 195
Alwar	29·0 1964	1·2 1961	34·0 1962	34·4 1959	3·2 1964	10·5 1962	38·4 1959	10·0 1956	29·0 1960	46·4 1958	11·2 1965	3·8 1965	50·6 1956	19·3 1958	23·6 1964	48·8 1957	23·3 1961	38· 195
Jaipur (Sanganer)	29·6 1965	−2·0 1964	45·2 1957	36·1 1953	2·2 1964	12·5 1952	38·9 1953	7·8 1958	14·0 1957	44·9 1958	11·4 1965	11·7 1963	46·1 1956	16·6 1961	67·6 1959	45·6 1954	20·1 1957	50· 196
Dholpur	30·2 1958	0·2 1964	17·0 1961	34·7 1960	0·4 1964	19·3 1958	43·3 1955	8·2 1965	34·6 1960	45·8 1958	11·7 1965	8·1 1959	46·8 1962	19·8 1962	35·3 1959	47·1 1960	19·8 1963	96·2 195
Ajmer	31·7 1902	−2·8 1935	46·5 1948	35·6 1953	−1·1 1905	33·0 1907	41·7 1892	2·2 1898	42·4 1932	44·6 1958	9·4 1986	38·1 1909	45·6 1942	15·6 1881	43·2 1925	45·6 1901	17·2 1944	122·7 193
Tonk	31·4 1965	0·5 1964	4·6 1961	34·4 1960	1·4 1964	1·2 1961	39·2 1964	8·8 1962	7·8 1962	45·0 1964	13·1 1960	3·6 1963	45·4 1961	10·8 1960	25·5 1965	44·7 1961	21·1 1965	36·2 1960
Bhilwara	30·7 1965	2·5 1964	3·6 1965	36·0 1962	3·0 1964	0 ..	39·0 1964	9·0 1965	0 ..	43·4 1964	11·8 1965	16·8 1963	44·2 1964	16·9 1964	13·6 1964	43·3 1965	20·3 1964	41·3 1904
Kota	33·9 1912	1·7 1929	35·8 1915	38·3 1943	2·2 1929	50·8 1915	42·8 1945	8·9 1945	20·3 1936	47·5 1958	14·4 1905	25·9 1933	48·5 1962	18·9 1930	53·3 1917	47·8 1945	21·1 1941	132·1 1917
Kota (Aerodrome)	31·4 1964	5·0 1962	4·4 1965	36·0 1964	5·6 1964	0·6 1965	40·0 1964	12.1 1965	3·2 1963	44·8 1964	15·4 1965	3·6 1963	46·0 1963	20·8 1964	17·0 1964	45·2 1962	20·9 1964	34·9 1964
Chambal (Rawat Bhatta Dam)	31·8 1965	0 1956	15·6 1961	35·0 1964	0·5 1957	5·1 1956	40·1 1959	5·6 1956	29·7 1957	46·0 1958	14·4 1956	10·9 1962	46·1 1956	15·6 1957	39·2 1964	44·4 1958	16·3 1957	50·0 1959
Udaipur	30·8 1965	0·9 1962	49·5 1953	36·7 1953	1·0 1961	14·0 1948	38·9 1959	7·4 1957	26·4 1962	44·4 1958	10·6 1955	26·9 1953	43·9 1956	16·3 1960	18·5 1964	41·7 1958	18·8 1958	64·8 1963
Jhalawar	32·8 1932	−0·6 1935	47·7 1941	36·7 1953	1·7 1934	11·4 1942	41·7 1945	5·0 1943	14·2 1957	46·3 1958	13·9 1955	34·8 1933	46·7 1932	18·4 1960	27·2 1936	46·1 1945	17·5 1965	252·0 1945
Banswara△	33·6 1965	8·8 1965	8·9 1965	34·2 1965	10·4 1965	0 ..	38·8 1965	7·4 1965	0 ..	44·0 1964	20·0 1964	1·1 1965	44·6 1964	17·3 1964	25·2 1964	40·8 1965	22·4 1964	56·6 1964
Madhya Pradesh (West)																		
Gwalior	31·7 1943	−1·1 1954	40·1 1957	36·7 1949	0·6 1950	20·6 1954	41·7 1945	7·2 1945	17·2 1960	46·2 1958	12·8 1953	15·2 1943	48·3 1947	20·2 1964	41·9 1953	47·2 1945	21·1 1944	162·6 1952
Sheopur	31·7 1952	0·6 1954	21·6 1957	37·2 1953	1·9 1957	20·8 1954	41·3 1958	7·2 1956	29·7 1956	45·9 1958	13·0 1965	7·6 1952	47·8 1954	18·8 1960	41·0 1959	46·7 1954	22·2 1955	89·1 1955
Shivpuri	30·8 1965	−2·5 1964	19·8 1961	33·0 1964	−2·2 1964	1·0 1964	38·8 1964	5·0 1965	5·6 1965	42·8 1964	9·5 1965	6·8 1963	44·2 1962	16·2 1963	16·8 1964	46·0 1964	20·5 1964	40·6 1964
Nowgong	32·2 1946	−1·7 1935	64·0 1962	36·7 1934	−0·6 1905	48·0 1946	41·7 1931	5·0 1945	25·9 1913	45·0 1948	11·7 1905	40·6 1909	47·2 1947	13·9 1932	31·0 1913	47·2 1923	18·4 1952	462·8 1897
Guna	31·7 1946	−2·2 1934	33·2 1959	36·1 1953	−1·1 1950	40·6 1942	41·1 1945	5·0 1945	59·9 1950	44·2 1964	11·1 1940	21·6 1933	46·1 1954	16·7 1960	55·2 1959	46·1 1945	20·0 1944	191·5 1945
Nimach	32·8 1898	−1·1 1905	63·3 1891	36·7 1887	−0·6 1886	44·7 1915	41·7 1892	4·4 1905	50·0 1923	44·6 1958	8·9 1905	31·5 1888	46·7 1912	13·9 1920	49·3 1883	46·1 1897	15·6 1885	172·7 1933
Rajagarh	32·2 1961	1·3 1962	10·7 1956	36·0 1963	2·2 1957	2·0 1956	40·7 1964	8·5 1965	19·3 1957	46·3 1958	12·3 1965	1·8 1961	46·6 1958	16·7 1960	27·4 1956	45·2 1958	21·0 1944	61·0 1958
Sagar	31·7 1912	1·7 1934	84·1 1887	35·0 1953	1·1 1929	43·2 1951	41·1 1892	7·2 1898	60·9 1957	43·9 1896	10·6 1926	23·9 1937	45·6 1914	16·9 1959	58·2 1903	45·6 1897	17·0 1963	235·5 1890
Ratlam	33·0 1961	3·0 1962	19·8 1965	37·8 1953	5·4 1961	8·1 1956	41·1 1952	9·4 1957	19·8 1954	45·2 1958	14·7 1965	10·2 1957	43·9 1960	18·4 1964	21·6 1956	42·2 1953	19·4 1961	98·6 1951
Bhopal (Bairagarh)	32·2 1934	0·6 1935	34·3 1948	36·1 1953	1·7 1950	22·4 1962	40·0 1945	7·8 1945	35·1 1936	44·2 1958	12·2 1935	13·5 1937	45·6 1947	18·4 1964	72·6 1956	43·9 1945	19·5 1957	120·9 1945
Ujjain	32·2 1961	0 1962	16·4 1965	34·4 1964	2·6 1964	5·6 1963	39·0 1961	6·4 1965	9·0 1963	42·8 1961	13·9 1965	1·4 1962	43·2 1962	18·9 1965	7·0 1963	40·2 1964	21·1 1961	63·4 1964
Narsinghpur	32·0 1964	1·2 1963	6·0 1965	36·2 1964	3·4 1964	29·5 1962	40·6 1964	6·2 1965	8·0 1965	44·4 1964	10·8 1965	15·8 1963	45·0 1963	20·0 1965	6·6 1962	43·4 1963	20·6 1965	61·1 1964
Hoshangabad	32·5 1961	3·3 1935	40·1 1947	37·8 1953	6·1 1950	36·6 1917	41·1 1953	9·4 1965	41·9 1957	45·2 1958	15·8 1965	48·3 1890	45·1 1954	19·6 1963	35·8 1893	45·6 1893	21·1 1946	178·8 1895
Indore	32·2 1938	−1·1 1935	80·5 1920	36·7 1953	−2·8 1929	32·0 1888	41·1 1892	5·0 1898	19·3 1944	44·6 1958	7·8 1905	51·1 189	45·6 916	16·7 1881	99·1 1886	45·0 1897	18·9 1958	127·0 1895
Rajpur (Jhabua)	32·8 1961	0 1962	11·2 1963	37·2 1956	3·7 1967	18·0 1961	40·9 1958	9·0 1960	6·2 1962	44·0 1958	16·0 1960	13· 195	44·8 1960	18·8 1960	26·7 1956	41·6 1958	21·0 1960	73·0 1960

△Observatory started in March 1964. *Observatory closed on 3-9-1965.

July			August			September			October			November			December			Based on data from		Sub-Division & Station
X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	Temperature	Rainfall	
																				Rajasthan (West)—(Contd.)
44·5 1964	16·0 1965	60·7 1962	44·8 1962	24·5 1963	80·3 1963	42·3 1965	19·3 1963	9·0 1961	41·2 1965	11·7 1961	4·0 1961	37·0 1965	.. ..	3·0 1961	32·5 1963	—3·1 1965	2·0 1962	1961	1961	Mahajan.
44·8 1963	22·4 1962	76·0 1957	42·1 1965	21·5 1965	99·0 1964	39·4 1960	16·9 1962	72·3 1963	39·9 1965	8·1 1964	32·0 1965	35·3 1965	1·4 1962	13·0 1959	32·8 1963	—2·1 1964	8·2 1960	1957	1957	Churu.
47·8 1963	20·6 1931	134·1 1920	43·3 1899	21·1 1889	142·0 1909	43·9 1915	18·1 1962	165·6 1945	42·2 1951	7·6 1964	95.8 1917	37·2 1943	0·6 1937	41·9 1951	33·3 1963	—2·8 1950	30·0 1892	1881	1881	Bikaner.
43·0 1965	22·6 1964	20·0 1964	42·2 1965	21·6 1964	84·2 1964	41·6 1960	18·7 1962	21·0 1962	40·4 1965	10·0 1964	6·3 1959	36·1 1965	4·9 1962	2·1 1961	31·4 1959	—0·4 1965	36·2 1962	1959	1959	Nagaur.
45·6 1963	23·3 1962	225·0 1964	43·1 1957	21·7 1956	72·4 1953	41·5 1960	18·9 1962	63·5 1954	42·2 1941	8·9 1949	24·1 1956	37·2 1965	5·0 1946	13·5 1957	32·3 1963	—0·6 1965	12·6 1961	1941	1941	Phalodi.
45·0 1963	21·7 1955	98·0 1954	43·3 1958	19·1 1965	104·4 1955	43·3 1949	19·8 1962	36·0 1958	42·2 1951	8·3 1949	9·4 1958	36·7 1957	3·8 1960	22·1 1957	33·6 1963	—0·6 1950	6·3 1957	1948	1948	Jaisalmer.
45·6 1961	19·4 1926	194·1 1943	42·9 1957	20·6 1927	184·4 1927	42·8 1915	17·8 19·08	215·9 1924	42·2 1920	10·0 1949	142·0 1917	37·2 1964	5·6 1938	26·9 1893	33·3 1953	0·6 1945	22·9 1937	1901	1891	Jodhpur.
44·4 1939	19·4 1936	124·5 1944	43·3 1957	20·0 1941	255·5 1944	42·8 1951	16·7 1935	62·6 1961	42·8 1951	13·9 1933	18·0 1956	38·2 1957	6·7 1946	27·6 1958	35·0 1963	2·3 1959	14·0 1942	1931	1931	Barmer.
41·2 1965	21·3 1962	228·4 1962	38·6 1965	21·4 1965	180·9 1957	38·9 1960	18·8 1965	152·9 1955	39·9 1960	10·0 1964	26·6 1963	36·0 1964	4·7 1960	16·7 1963	33·6 1965	3·2 1965	6·2 1958	1955	1955	Erinpura (Jawai Dam).
.. ..	.. ..	0 ..	.. ..	.. ..	.. ..	41·0 1962	20·5 1962	.. ..	39·5 1962	.. ..	0 ..	.. ..	.. ..	.. ..	31·0 1961	0 1961	0·3 1962	1961	1961	Munabao.*
																				Rajasthan (East)
43·3 1963	18·3 1959	160·0 1965	41·5 1965	20·5 1965	76·4 1959	38·5 1965	15·5 1962	67·1 1962	39·5 1965	11·9 1960	19·2 1959	35·5 1965	2·1 1962	17·4 1959	31·7 1963	—1·5 1965	8·6 1960	1959	1959	Pilani.
44·4 1947	20·6 1962	129·3 1957	41·1 1965	20·0 1964	184·4 1964	39·4 1954	13·1 1963	70·0 1962	40·6 1951	6·7 1949	49·5 1955	34·2 1957	0 1962	25·1 1963	31·3 1963	—3·9 1950	20·3 1946	1946	1946	Sikar.
43·6 1963	22·3 1958	144·0 1962	39·4 1957	21·5 1965	114·4 1962	37·8 1957	16·9 1962	87·8 1965	40·6 1957	12·0 1960	91·7 1956	35·3 1965	6·8 1958	24·4 1959	29·5 1959	1·4 1961	36·4 1962	1956	1956	Alwar.
43·1 1957	21·7 1958	96·8 1957	40·2 1965	18·9 1953	188·4 1959	38·0 1960	16·8 1962	77·2 1956	37·9 1965	11·7 1955	59·4 1956	34·1 1965	5·8 1960	17·4 1958	31·3 1963	0 1964	6·4 1960	1952	1952	Jaipur (Sanganer).
43·5 1965	23·2 1965	124·2 1965	40·3 1965	17·7 1960	93·2 1958	37·4 1960	17·0 1962	101·4 1963	38·6 1965	10·7 1964	105·4 1955	36·3 1963	0·1 1961	7·5 1961	31·3 1957	0·4 1964	8·6 1960	1955	1955	Dholpur.
44·4 1931	20·0 1931	165·6 1962	40·0 1875	20·6 1935	164·6 1928	40·6 1915	16·1 1950	156·2 1924	38·9 1951	7·8 1889	119·4 1956	35·0 1901	2·8 1926	42·4 1958	31·6 1963	0·6 1945	56·6 1913	1881	1881	Ajmer.
43·6 1965	22·8 1961	150·6 1961	41·5 1965	20·3 1965	91·0 1964	38·9 1960	17·5 1962	95·9 1963	39·2 1965	9·8 1964	4·2 1961	36·7 1965	3·4 1960	31·3 1963	31·4 1964	1·7 1961	21·0 1962	1960	1960	Tonk.
40·1 1965	20·4 1964	48·0 1964	39·2 1965	21·0 1965	120·2 1963	37·4 1965	17·2 1962	44·2 1965	39·5 1965	13·2 1964	9·6 1965	35·4 1964	6·5 1962	6·4 1963	33·3 1963	1·8 1964	3·7 1962	1962	1962	Bhilwara.
47·2 1923	16·4 1965	249·2 1945	41·1 1911	18·0 1965	172·2 1955	40·6 1951	19·2 1962	185·4 1926	41·1 1930	13·0 1962	98·0 1930	37·2 1901	7·8 1962	54·1 1927	33·9 1941	3·9 1926	30·0 1927	1901	1901	Kota.
41·6 1965	22·0 1965	139·2 1962	40·0 1965	22·7 1964	112·1 1963	37·5 1965	20·6 1962	57·3 1964	40·0 1965	14·3 1964	4·5 1963	36·6 1965	8·9 1962	40·9 1963	33·2 1963	3·8 1964	3·4 1962	1962	1962	Kota (Aerodrome).
46·1 1962	20·6 1956	191·5 1956	39·7 1965	15·6 1957	109·7 1956	40·6 1956	14·4 1957	207·4 1961	39·1 1965	8·3 1955	45·5 1955	37·2 1957	3·3 1958	40·6 1963	32·6 1963	—1·1 1955	3·0 1962	1955	1955	Chambal (Rawat Bhatta Dam)
37·8 1948	21·1 1965	105·9 1950	35·5 1965	18·9 1950	133·5 1965	37·8 1951	15·6 1950	183·9 1950	37·2 1951	9·9 1957	48·6 1963	35·0 1951	4·3 1960	38·1 1948	32·2 1963	0·6 1950	5·3 1956	1947 ..	1947 ..	Udaipur.
42·2 1931	19·7 1958	246·6 1947	38·9 1965	18·3 1954	184·7 1942	38·9 1951	17·0 1957	147·0 1961	40·0 1951	10·6 1934	76·2 1956	35·9 1965	5·6 1956	66·0 1933	33·3 1941	2·2 1945	44·2 1947	1931 ..	1931 ..	Jhalawar.
39·7 1965	22·4 1965	76·8 1964	36·3 1965	21·6 1965	67·6 1964	35·8 1965	20·4 1964	56·2 1964	38·4 1965	12·2 1964	0 ..	36·9 1964	10·5 1964	1·2 1965	32·6 1964	7·6 1964	0 ..	1964	1964	Banswara△
																				Madhya Pradesh (West).
43·9 1948	22·4 1964	149·9 1947	39·0 1965	21·1 1955	108·5 1954	37·2 1951	18·3 1942	208·3 1963	39·4 1951	8·9 1952	150·6 1955	35·9 1965	3·9 1946	11·7 1946	31·1 1959	—0·4 1961	31·7 1952	1941 ..	1941 ..	Gwalior.
42·3 1965	22·2 1953	187·2 1957	40·5 1965	21·1 1953	121·4 1961	38·3 1951	17·4 1957	69·1 1954	40·6 1951	10·2 1957	100·8 1956	37·3 1957	4·6 1962	19·1 1951	32·2 1963	0 1961	10·2 1956	1951 ..	1951 ..	Sheopur.
40·4 1965	20·6 1965	154·4 1965	36·8 1965	19·0 1965	146·2 1961	36·7 1962	16·8 1962	65·6 1961	38·7 1965	9·0 1964	57·2 1965	39·3 1965	2·6 1962	24·4 1963	30·8 1964	—1·5 1965	10·4 1964	1961	1961	Shivpuri.
45·6 1931	20·8 1958	232·7 1902	38·3 1945	20·6 1957	255·4 1961	39·4 1929	17·0 1962	257·2 1964	39·4 1930	8·4 1957	127·0 1926	35·7 1965	3·8 1962	75·2 1910	32·8 1929	—1·7 1961	84·6 1886	1881 ..	1881 ..	Nowgong.
41·7 1931	19·1 1960	293·4 1958	39·2 1965	19·4 1952	181·6 1934	38·1 1960	16·7 1942	298·5 1947	38·3 1951	8·3 1957	63·5 1956	35·7 1965	2·8 1940	64·5 1946	32·5 1962	—1·1 1964	35·6 1946	1931 ..	1931 ..	Guna.
42·2 1901	14·4 1910	152·4 1943	37·8 1965	18·3 1913	185·9 1957	38·9 1951	17·2 1902	177·5 1947	39·4 1919	10·6 1890	102·1 1955	35·6 1901	5·0 1938	51·6 1934	32·1 1932	0·6 1929	25·4 1962	1881 ..	1881 ..	Nimach.
41·2 1957	19·7 1958	153·7 1956	38·2 1965	20·6 1956	300·2 1960	36·3 1965	15·0 1956	116·8 1955	38·0 1965	9·1 1964	52·8 1961	35·4 1963	4·4 1956	60·3 1963	32·8 1963	0 1957	57·1 1956	1955 ..	1955 ..	Rajagarh.
41·1 1931	16·0 1963	284·5 1904	35·6 1899	18·7 1963	274·3 1908	38·3 1881	16·7 1926	173·0 1962	37·8 1899	11·7 1890	198·2 1958	34·4 1909	6·1 1926	105·2 1902	33·6 1963	2·1 1961	73·9 1886	1881 ..	1881 ..	Sagar.
38·6 1965	20·0 1951	300·5 1950	38·7 1959	20·0 1956	153·4 1957	37·8 1951	16·1 1954	266·4 1962	38·3 1951	12·8 1952	162·3 1955	35·5 1964	8·2 1964	41·0 1963	33·0 1962	3·9 1964	7·2 1963	1948 ..	1948 ..	Ratlam.
40·6 1931	19·0 1959	218·2 1939	35·5 1965	19·4 1956	188·5 1944	36·1 1951	17·2 1951	233·2 1947	37·8 1951	11·7 1943	123·7 1955	33·7 1965	6·1 1941	68·3 1936	32·8 1941	3·3 1936	32·6 1965	1931 ..	1931 ..	Bhopal (Bairagarh).
38·8 1965	21·6 1965	90·0 1963	35·0 1965	20·4 1965	87·8 1962	35·7 1965	18·0 1963	239·0 1961	38·0 1965	9·1 1964	30·2 1961	35·2 1965	5·0 1964	23·0 1963	32·0 1963	2·5 1965	9·6 1963	1961 ..	1961 ..	Ujjain.
40·2 1961	19·9 1963	80·0 1964	35·4 1965	20·8 1965*	82·0 1964	35·2 1965	17·0 1965	115·0 1963	37·4 1965	9·8 1964	16·0 1962	35·2 1965	4·0 1964	2·1 1963	32·4 1963	1·0 1965	30·0 1962	1962 ..	1962 ..	Narsinghpur.
41·4 1960	18·9 1951	296·0 1965	36·0 1965	19·4 1943	294·1 1919	40·4 1959	17·8 1942	207·0 1950	37·3 1965	12·2 1952	98·3 1943	35·0 1951	3·9 1952	86·4 1912	32·9 1965	4·4 1938	109·7 1928	1931 ..	1881 ..	Hoshangabad.
38·3 1931	18·9 1910	293·4 1913	35·0 1899	18·9 1952	209·8 1928	37·2 1899	16·6 1963	169·8 1962	37·8 1899	8·9 1890	88·4 1949	35·0 1925	5·6 1938	69·0 1958	32·8 1896	1·1 1936	46·7 1962	1881 ..	1881 ..	Indore.
39·4 1962	20·4 1962	186·8 1958	34·6 1965	20·6 1956	140·7 1957	36·0 1960	17·2 1963	142·7 1959	37·3 1957	11·0 1964	142·7 1955	35·8 1964	7·2 1956	24·1 1962	34·4 1960	6·0 1964	50·8 1956	1955 ..	1955 ..	Rajpur (Jhabua).

*Observatory closed on 3-9-1965. △Observatory started in March 1964.

Sub-Division & Station	January			February			March			April			May			June		
	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R
Madhya Pradesh (West)— (*Contd.*)																		
Chhindwara	30·0 1950	3·2 1960	75·4 1960	35·6 1953	2·8 1950	37·9 1950	38·3 1953	8·9 1957	14·7 1958	42·5 1958	13·0 1965	16·4 1965	43·8 1958	19·8 1959	47·7 1956	43·0 1958	18·3 1949	73· 19
Seoni	32·8 1882	2·8 1937	49·5 1943	37·2 1896	3·3 1911	70·1 1898	40·6 1899	6·1 1910	42·2 1936	43·9 1942	11·7 1905	41·9 1937	44·4 1954	15·0 1917	74·2 1918	45·0 1942	17·8 1928	279· 18
Betul	31·3 1961	2·8 1953	10·9 1957	37·2 1953	1·1 1950	16·4 1963	38·9 1953	8·2 1960	34·5 1957	42·6 1958	11·7 1965	24·6 1965	43·3 1954	19·1 1963	17·3 1956	42·2 1953	15·0 1949	87· 19
Khandwa	35·6 1932	1·7 1946	49·5 1920	38·9 1953	0·6 1929	48·3 1928	43·3 1892	6·1 1898	27·4 1881	46·7 1958	11·1 1905	26·2 1891	47·2 1947	17·2 1881	71·1 1956	46·1 1923	18·2 1960	153· 194
Madhya Pradesh (East)																		
Satna	32·8 1965	0·6 1933	81·3 1955	35·7 1964	1·1 1905	49·3 1936	41·1 1945	4·4 1949	43·9 1893	45·0 1896	12·2 1918	52·8 1946	46·7 1947	18·3 1933	33·5 1914	47·8 1954	19·4 1929	562· 188
Rewa	27·9 1965	5·0 1965	0·1 1965	32·6 1965	7·4 1965	4·5 1965	36·4 1965	10·6 1965	26·1 1965	41·2 1965	14·0 1965	6·1 1965	44·4 1965	22·8 1965	0 ..	44·4 1965	22·5 1965	29· 19
Sidhi	32·8 1959	1·0 1962	47·3 1961	35·6 1964	2·5 1964	34·4 1962	39·7 1959	6·1 1960	30·2 1963	48·8 1959	13·1 1959	12·2 1965	46·6 1959	17·0 1960	9·5 1964	44·7 1962	22 5 1963	57· 196
Umaria	34·4 1943	0 1933	61·2 1944	36·7 1954	0·6 1950	55·6 1950	40·0 1955	5·0 1945	43·4 1941	44·4 1942	11·8 1965	31·5 1937	45·6 1954	17·5 1960	27·7 1957	45·6 1945	20·0 1948	209· 194
Jabalpur	32·8 1946	1·1 1946	63·7 1919	37·2 1953	0 1905	55·6 1898	41·1 1892	3·3 1898	39·6 1927	45·0 1942	10·6 1905	50·3 1935	46·7 1954	17·2 1937	73·7 1885	46·1 1889	19·4 1922	185· 188
Ambikapur	29·3 1958	1·1 1954	21·8 1959	33·3 1954	3·9 1956	62·4 1961	38·3 1955	8·2 1957	27·6 1963	41·9 1961	12·2 1955	21·3 1951	43·3 1956	18 8 1960	51·1 1956	43·3 1955	19·8 1959	113· 196
Jashpurnagar*	26·0 1965	3·9 1965	3·4 1965	27·3 1965	6·0 1965	18·0 1965	32·7 1965	7·3 1965	22·0 1965	37·7 1965	11·1 1965	20·4 1965	40·0 1965	20·0 1965	23·6 1965	40·0 1965	20·7 1965	27· 196
Pendra	30·1 1958	3·3 1937	45 0 1933	34·4 1953	1·7 1929	42·9 1917	39·4 1955	8·9 1906	70·9 1956	42·8 1942	12·4 1961	67·8 1926	43·9 1928	17·8 1933	55·9 1925	43·9 1942	16·7 1915	242· 194
Mandla	30·6 1964	0·6 1954	38·3 1953	35 6 1953	2·7 1957	42·2 1961	39·4 1955	7·0 1962	29·7 1951	43·6 1964	11·1 1956	29·3 1965	45·0 1954	16·2 1960	20·1 1956	44·4 1958	19·5 1963	112· 196
Champa	32·2 1950	6·2 1963	64·0 1945	36·7 1953	8·3 1950	43·6 1961	41·7 1955	11·5 1965	88·1 1951	45·0 1952	16·1 1965	22·2 1965	47·2 1948	19·9 1963	37·6 1956	47·2 1953	21·5 1961	130· 196
Raigarh	33·3 1955	6·8 1963	39·4 1953	37·5 1964	9·4 1956	26·6 1958	42·2 1955	12·5 1965	61·0 1951	45·0 1964	16·8 1963	29·2 1951	46·7 1956	20·2 1963	40·4 1956	47·2 1955	19·5 1963	190· 196
Raipur	35·0 1955	5·0 1908	55·4 1921	37·8 1899	5·0 1893	57·4 1917	43·3 1892	8·3 1898	55·9 1906	46·1 1942	15·0 1905	38·3 1909	47·2 1935	14·4 1904	80·3 1904	47·2 1931	16·1 1884	197· 191
Kanker	32·8 1931	3·9 1946	53·3 1943	36·0 1964	3·9 1934	52·8 1950	40·0 1942	10·0 1948	48·3 1957	43·3 1942	15·6 1944	44·2 1951	44·4 1953	17·8 1945	45·7 1932	46·1 1931	17·8 1936	245· 194
Jagdalpur	33·1 1957	2·8 1946	40·6 1926	36·7 1953	5·0 1943	120·4 1919	40·6 1953	9·4 1948	45·7 1927	43·3 1941	13·9 1943	59·6 1964	46·1 1912	17·2 1917	64·3 1925	44·4 1953	17·2 1913	133· 194
Gujarat Region [including Daman, Dadra & Nagar Haveli]																		
Deesa	35·6 1932	−2·2 1935	28·2 1940	40·6 1953	−0·6 1929	31·5 1941	46·1 1892	5·6 1905	24·1 1911	46·3 1958	10·0 1905	24·1 1923	50·0 1912	17·8 1920	68·8 1920	48·3 1897	20·1 1961	102·4 1956
Radhanpur	33·6 1961	1·0 1962	12·0 1965	37·0 1964	5·6 1961	0·7 1961	42·3 1959	6·3 1960	0·2 1962	44·2 1964	15·1 1962	1·4 1962	45·3 1959	19·2 1960	0 ..	42·9 1962	19·5 1960	40·2 1961
Idar	33·5 1965	4·8 1962	16·6 1965	36·2 1960	8·5 1964	2·0 1961	41·9 1959	9·4 1960	3·4 1965	46·6 1958	15·7 1958	21·1 1959	44·9 1962	20·0 1964	3·2 1962	43·3 1958	20·6 1958	96·2 1963
Ahmadabad	36·1 1912	3·3 1954	30·7 1948	40·6 1953	2·2 1920	26·4 1917	43·9 1908	9·4 1908	12·2 1940	46·2 1958	12·8 1955	21·6 1947	47·8 1916	19·4 1920	46·2 1917	47·2 1897	19·4 1920	130·8 1937
Dohad	33·9 1949	0 1935	11·9 1953	39·4 1953	2·2 1950	20·6 1942	41·7 1945	9·4 1945	22·3 1944	45·4 1958	15·0 1935	15·2 1946	45·0 1932	17·5 1964	122·7 1938	44·4 1945	19·6 1961	166·4 1945
Vallabh Vidyanagar	34·4 1965	2·0 1964	11·0 1965	37·6 1964	6·2 1964	0 ..	40·2 1964	10·3 1965	0 ..	43·9 1964	16·2 1965	0 ..	45·5 1965	20·8 1965	0·1 1964	42·6 1964	24·8 1964	9·6 1965
Baroda (Aerodrome)	35·6 1952	2·8 1962	14·0 1953	40·6 1953	3·9 1950	6·0 1961	42·4 1959	10·9 1957	10·0 1962	45·2 1958	14·4 1955	0·6 1959	46·1 1955	19·9 1960	40·9 1956	43·3 1953	21·2 1957	92·3 1961
Baroda	36·2 1961	−1·1 1935	15·2 1953	41·7 1953	1·7 1950	31·7 1933	43·3 1959	6·7 1936	10·4 1954	45·9 1958	11·7 1955	71·4 1947	46·7 1960	18·9 1939	71·4 1947	45·6 1945	21·5 1957	129·8 1958
Broach	36·9 1961	4·0 1962	8·0 1965	42·8 1953	5·8 1961	11·3 1961	44·2 1959	11·5 1957	14·0 1954	45·6 1956	16·1 1955	17·0 1959	47·8 1955	21·2 1957	80·5 1956	44·4 1953	19·8 1959	109·2 1954
Surat	38·3 1952	4·4 1929	43·7 1920	41·7 1953	5·6 1929	38·1 1898	43·9 1945	10·6 1998	8·1 1954	45·6 1952	15·0 1903	97·8 1947	45·6 1856	19·4 1888	48·8 1917	45·6 1901	20·2 1962	260·1 1922
Saurashtra and Kutch [including Diu]																		
Naliya	34·6 1965	1·2 1962	5·5 1961	36·2 1963	4·4 1961	21·4 1961	42·2 1959	8·0 1960	0 ..	42·0 1961	13·5 1961	0 ..	44·6 1959	16·4 1960	0 ..	38·2 1959	23·0 1961	65·8 1961
Bhuj (Rudramata)	33·6 1965	2·6 1962	3·4 1965	37·2 1955	4·3 1957	16·4 1961	41·3 1959	9·3 1960	4·3 1958	44·8 1958	13·9 1955	5·6 1965	45·6 1955	18·1 1960	29·2 1955	42·0 1958	22·6 1961	49·6 1961
Kandla Aerodrome	34·3 1965	2·9 1962	9·2 1965	36·2 1964	8·5 1964	0 ..	40·5 1964	10·9 1962	0 ..	44·0 1964	16·3 1965	1·0 1962	44·3 1963	20·7 1962	1·8 1965	40·9 1964	19·4 1964	50·3 1961
New Kandla	33·6 1965	8·3 1962	12·0 1965	34·4 1964	7·7 1957	16·2 1961	40·4 1959	13·7 1960	3·8 1955	42·2 1956	18·3 1955	0·2 1963	43·3 1956	22·1 1957	3·1 1957	38·3 1963	22·8 1961	105·9 1956
Mandvi	31·5 1965	5·6 1962	9·0 1965	35·6 1955	8·9 1957	0 ..	38·1 1959	11·3 1961	3·0 1960	41·1 1958	15·0 1956	0 ..	42·6 1959	21·1 1957	0 ..	35·0 1955	20·0 1964	55·0 1961
Surendranagar	34·8 1965	5·7 1964	12·7 1965	38·3 1955	7·4 1957	8·9 1961	42·8 1959	12·9 1957	0 ..	45·1 1958	13·9 1955	24·3 1959	46·7 1955	22·1 1964	49·0 1964	44·9 1958	22·8 1962	61·2 1955
Okha	30·4 1965	14·4 1964	20·6 1965	29·7 1963	17·0 1964	0 ..	34·0 1963	19·6 1965	0 ..	32·7 1964	21·5 1965	0 ..	33·3 1964	23·4 1965	0 ..	33·4 1963	20·4 1964	45·4 1964
Jamnagar (Aerodrome)	33·9 1933	1·7 1935	19·8 1929	37·2 1926	2·2 1929	29·5 1906	40·0 1946	8·3 1905	38·6 1904	42·8 1901	12·8 1903	19·3 1915	44·4 1903	16·7 1918	92·7 1933	43·9 1927	17·2 1917	337·8 1920
Dwarka	34·0 1957	6·1 1929	20·3 1919	35·6 1920	8·3 1901	64·0 1906	38·3 1958	7·8 1905	47·5 1911	41·1 1932	17·2 1903	24·4 1915	42·7 1959	20·0 1909	7·6 1933	37·8 1951	22·0 1961	230·9 1956
Rajkot	36·1 1932	−0·6 1935	13·2 1935	40·0 1953	1·1 1893	21·3 1888	43·9 1892	6·1 1905	21·6 1911	44·4 1949	10·0 1903	29·2 1947	47·8 1919	16·1 1907	17·3 1917	45·0 1897	20·0 1913	118.9 1893

*Observatory Started from 30-12-1964.

July			August			September			October			November			December			Based on data from		Sub-Division & Station
X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	Temperature	Rainfall	
																				Madhya Pradesh (West). —*Contd.*
36·1 1965	20·0 1959	91·4 1954	33·3 1950	18·2 1957	101·8 1961	34·9 1957	16·3 1957	151·1 1955	36·1 1949	9·7 1960	75·2 1955	32·8 1965	5·6 1956	120·7 1956	31·1 1963	3·3 1955	90·2 1962	1949	1949	Chhindwara.
37·8 1931	17·8 1941	276·1 1929	35·6 1899	17·2 1917	281·9 1913	35·0 1944	16·1 1942	208·0 1947	36·1 1899	10·6 1910	124·5 1916	33·9 1899	5·0 1912	116·8 1946	31·7 1899	3·3 1936	103·4 1962	1881	1881	Seoni.
35·8 1965	19·3 1959	145·2 1960	32·3 1965	18·9 1951	127·8 1953	32·8 1960	16·6 1965	265·0 1961	34·9 1965	8·3 1952	92·7 1951	32·6 1965	4·5 1964	90·7 1956	31·7 1960	3·3 1955	40·4 1962	1948	1948	Betul.
40·0 1900	17·2 1960	240·5 1927	39·4 1951	17·4 1960	203·2 1957	40·6 1899	17·8 1942	218·6 1959	40·6 1899	9·4 1890	146·6 1924	37·2 1951	6·0 1964	84·8 1936	34·5 1960	2·8 1929	95·8 1886	1881 ..	1881 ..	Khandwa.
																				Madhya Pradesh (East).
45·0 1931	17·8 1929	209·5 1894	36·7 1911	21·1 1954	299·7 1919	37·2 1932	16·7 1912	178·1 1951	38·3 1896	10·0 1890	152·4 1882	35·5 1957	5·0 1941	84·6 1956	32·9 1963	0·4 1961	47·7 1929	..	..	Satna.
42·8 1965	22·6 1965	28·4 1965	37·8 1965	21·2 1965	34·2 1965	35·1 1965	20·2 1965	102·5 1965	37·5 1965	16·9 1965	6·0 1965	35·4 1965	7·9 1965	0 ..	30·4 1964	3·0 1965	9·6 1965	1964	1964	Rewa.*
42·2 1965	21·1 1959	106·0 1961	37·4 1965	18·9 1959	131·0 1961	38·8 1963	18·6 1965	65·4 1961	37·4 1965	12·2 1964	52·0 1964	35·9 1965	5·0 1960	8·4 1963	31·2 1960	1·4 1964	13·5 1961	1959	1959	Sidhi.
39·6 1958	20·4 1961	179·8 1959	35·0 1945	20·0 1951	302·0 1953	35·6 1958	17·1 1965	132·3 1964	36·1 1965	9·4 1933	85·5 1961	35·0 1963	3·9 1937	79·5 1946	31·7 1941	0·5 1961	41·1 1940	1932	1932	Umaria.
41·7 1902	20·6 1930	342·9 1915	35·7 1965	18·3 1929	320·5 1923	35·6 1913	16·7 1899	251·7 1926	37·2 1965	7·8 1881	121·9 1916	35·5 1965	3·9 1889	93·5 1956	32·8 1941	0·6 1902	68·1 1885	1881	1881	Jabalpur.
37·1 1958	20·0 1963	144·2 1962	34·3 1963	20·7 1958	137·6 1960	33·9 1959	17·2 1962	125·7 1965	33·3 1957	9·4 1954	206·0 1961	31·8 1965	4·4 1952	9·2 1964	29·0 1962	1·7 1955	10·4 1962	1950	1950	Ambikapur.
32·0 1965	19·7 1965	93·0 1965	29·9 1965	20·1 1965	95·8 1965	31·0 1965	20·0 1965	117·4 1965	32·0 1965	18·0 1965	24·0 1965	29·5 1965	9·0 1965	0 ..	26·4 1965	2·7 1965	0 —	1965	1965	Jashpurnagar
37·2 1954	18·3 1942	166·6 1953	32·8 1925	18·3 1910	262·1 1953	32·8 1938	16·7 1912	150·4 1926	33·9 1920	11·7 1933	91·4 1915	31·9 1965	6·1 1926	58·4 1924	30·0 1941	3·9 1936	37·1 1906	1906	1906	Pendra.
38·9 1958	20·0 1963	210·4 1959	33·7 1965	19·9 1957	157·8 1957	34·0 1960	16·4 1965	148·1 1955	35·0 1951	7·8 1952	121·4 1951	33·4 1965	3·3 1950	65·8 1956	31·2 1960	1·1 1955	166·4 1962	1950	1950	Mandla.
39·4 1954	20·4 1963	347·2 1947	35·6 1965	21·5 1964	260·4 1963	35·1 1965	20·3 1963	199·0 1965	36·2 1957	15·4 1960	68·4 1964	34·2 1965	9·6 1960	41·1 1956	32·1 1963	7·2 1961	19·6 1962	1945	1945	Champa.
38·4 1958	21·0 1963	261·0 1958	35·6 1965	21·6 1963	193·0 1960	35·7 1957	20·4 1963	212·0 1961	36·2 1957	14·6 1960	74·2 1959	34·9 1965	10·4 1960	6·0 1961	33·0 1962	6·4 1959	6·1 1954	1950	1950	Raigarh.
38·9 1931	20·0 1884	213·1 1884	36·7 1883	20·0 1939	370·3 1910	37·2 1899	18·3 1902	148·6 1905	37·8 1899	13·9 1933	148·6 1900	35·6 1935	8·3 1883	70·4 1930	32·2 1941	3·9 1902	52·1 1909	1881	1881	Raipur.
35·7 1962	18·9 1940	289·1 1951	33·9 1947	20·0 1939	195·3 1939	33·7 1965	18·9 1950	257·3 1936	34·5 1957	11·7 1954	112·8 1938	34·0 1965	7·2 1950	58·4 1950	32·1 1963	3·9 1934	17·8 1940	1931	1931	Kanker.
35·6 1920	18·3 1958	180·9 1934	33·9 1922	16·7 1920	203·2 1931	35·0 1913	17·8 1950	163·8 1911	34·5 1965	11·1 1941	136·9 1938	33·3 1946	5·6 1912	102·9 1924	32·2 1946	3·9 1945	41·6 1962	1911	1911	Jagdalpur.
																				Gujarat Region.
43·9 1902	19·4 1887	252·2 1908	41·1 1902	21·1 1948	306·1 1907	42·2 1951	17·2 1912	349·5 1893	42·8 1925	10·6 1889	92·7 1917	38·4 1964	5·0 1938	28·7 1896	36·1 1935	1·7 1903	14·0 1927	1881	1881	Deesa.
41·7 1963	19·5 1959	152·0 1961	38·6 1965	15·7 1964	89·5 1965	40·5 1960	13·7 1964	207·0 1959	39·8 1964	12·8 1961	31·1 1959	38·0 1964	9·5 1964	19·0 1963	34·5 1963	4·3 1964	1·5 1960	1959	1559	Radhanpur.
40·2 1965	20·4 1958	307·0 1958	36·6 1965	21·3 1958	96·8 1964	39·0 1960	18·3 1963	194·4 1963	39·3 1965	11·0 1961	39·2 1959	36·8 1964	10·0 1964	18·8 1963	34·3 1963	8·7 1964	2·0 1957	1957	1957	Idar.
42·2 1902	21·1 1908	414·8 1927	38·9 1911	21·7 1929	150·6 1906	41·7 1951	19·4 1962	257·8 1950	42·8 1920	13·5 1964	52·8 1917	38·9 1901	9·4 1950	53·3 1947	35·6 1899	5·4 1964	14·0 1927	1896	1896	Ahmadabad.
45·0 1963	20·6 1964	230·3 1958	36·1 1932	20·5 1965	295·4 1933	38·9 1951	17·4 1963	265·4 1945	40·0 1951	11·7 1935	77·0 1954	36·4 1960	8·9 1938	65·4 1958	34·5 1962	5·0 1936	7·4 1931	1931	1931	Dohad.
39·6 1965	23·5 1965	126·6 1965	37·0 1965	22·4 1965	48·1 1964	37·8 1965	18·9 1963	34·4 1964	38·9 1965	12·1 1964	27·6 1963	37·8 1965	8·3 1964	39·1 1963	35·2 1963	5·8 1964	0 ..	1963	1963	Vallabh Vidyanagar.
38·7 1960	22·2 1952	162·0 1963	37·6 1965	21·7 1956	277·1 1956	41·1 1951	20·2 1963	148·9 1958	41·1 1951	12·8 1960	71·1 1954	38·8 1964	9·2 1960	61·4 1962	35·0 1952	6·6 1964	6·4 1962	1949	1949	Baroda (Aerodrome)
40·6 1962	21·1 1943	183·4 1941	37·2 1947	22·3 1965	250·7 1956	41·1 1951	18·9 1938	372·1 1945	41·7 1951	11·7 1955	138·4 1940	39·2 1965	7·2 1938	48·3 1934	36·1 1941	3·3 1937	4·5 1962	1933	1933	Baroda.
38·9 1960	22·7 1959	223·0 1965	37·2 1965	22·8 1952	217·0 1961	41·7 1951	21·0 1962	304·8 1954	41·7 1952	14·4 1954	85·0 1959	39·1 1964	10·9 1960	37·0 1963	37·2 1952	6·3 1964	2·0 1962	1951	1951	Broach.
38·9 1902	20·6 1889	459·2 1941	37·2 1932	21·1 1887	324·6 1964	41·1 1951	20·6 1884	389·4 1945	41·1 1952	14·4 1893	257·1 1894	39·4 1951	10·6 1881	148·3 1946	38·9 1953	6· 1903	42·2 1933	1881	1881	Surat.
																				Saurashtra and Kutch.
38·2 1962	22·1 1959	262·9 1959	35·6 1964	21·2 1965	85·2 1964	37·2 1960	17·4 1964	240·1 1959	40·8 1963	11·2 1964	34·8 1963	38·2 1964	6·5 1963	28·0 1963	35·2 1963	0·6 1964	0 ..	1959	1959	Naliya.
40·3 1962	20·6 1954	467·9 1959	37·8 1954	22·7 1963	83·8 1961	39·7 1960	17·9 1962	78·0 1958	41·1 1960	12·9 1961	95·4 1959	37·2 1957	8·7 1960	24·3 1963	34·9 1963	4·1 1964	3·8 1962	1954	1954	Bhuj (Rudramata).
39·3 1963	22·8 1965	117·8 1965	37·4 1964	23·4 1962	76·0 1964	38·0 1964	18·3 1962	29·2 1963	39·9 1963	13·7 1961	11·2 1963	37·1 1964	12·1 1961	45·0 1963	34·0 1963	6·4 1964	0 ..	1961	1961	Kandla Aerodrome.
37·2 1963	22·4 1957	147·4 1956	37·2 1964	23·3 1956	185·9 1956	38·3 1957	21·8 1963	64·8 1953	40·7 1964	17·3 1961	24·0 1961	37·2 1957	14·5 1960	55·8 1962	32·8 1958	8·9 1964	0·8 1957	1955	1951	New Kandla.
37·6 1961	21·1 1956	168·0 1959	35·0 1964	22·4 1965	175·3 1956	36·4 1960	20·6 1960	61·0 1961	38·4 1960	17·3 1964	32·8 1956	36·0 1964	12·0 1964	28·0 1963	31·9 1963	7·5 1964	15·0 1958	1954	1954	Mandvi.
39·7 1962	22·8 1965	102·8 1965	37·6 1965	21·7 1956	198·1 1953	39·4 1960	21·7 1962	112·0 1958	40·1 1965	16·1 1960	40·8 1954	37·9 1964	11·1 1056	31·0 1962	35·1 1963	5·0 1955	1·3 1957	1953	1953	Surendranagar.
32·6 1963	23·3 1965	101·6 1965	32·1 1964	22·9 1965	85·6 1965	31·1 1964	23·1 1964	7·5 19·3	34·1 1963	20·4 1964	69·2 1963	30·4 1965	19·0 1964	16·6 1963	29·6 1963	15·0 1964	0·5 1964	1963	1963	Okha.
39·9 1958	19·4 1950	335·0 1929	37·8 1954	20·6 1924	248·9 1954	41·7 1951	16·1 1923	133·3 1947	40·6 1952	14·4 1954	48·3 1963	37·2 1901	8·9 1938	49·5 1963	34·4 1955	3·9 1930	42·7 1929	1901	1901	Jamnagar (Aerodrome).
36·4 1958	22·2 1952	273·8 1933	33·4 1964	21·7 1908	302·3 1933	39·4 1929	22·2 1909	135·9 192·1	40·0 1951	16·7 1949	138·4 1917	37·2 1901	12·2 1938	355·1 1951	33·9 1932	8·3 1903	28·5 1937	1901	1901	Dwarka.
40·6 1900	19·4 1941	375·2 1950	37·8 1947	20·6 1913	233·2 1900	42·8 1951	16·7 1912	184·7 1945	41·7 1925	12·2 1949	105·6 1959	38·3 1929	7·2 1917	99·8 1888	36·1 1886	2·8 1903	22·9 1929	1881	1881	Rajkot.

Sub-Division & Station	January			February			March			April			May			June		
	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R
Saurashtra and Kutch— (*Contd.*)																		
Bhavnagar Aerodrome	33·9 1952	6·1 1954	7·6 1953	37·8 1953	6·7 1957	30·0 1961	41·8 1961	11·9 1962	9·9 1954	43·7 1964	14·4 1955	0 ..	45·0 1955	21·3 1964	7·3 1965	43·3 1953	20·0 1954	61·7 1957
Porbander Aerodrome	35·4 1965	4·7 1962	7·2 1961	36·4 1964	8·7 1964	12·0 1961	40·6 1961	12·7 1962	0 ..	41·8 1961	16·8 1965	0.4 1965	39·0 1963	20·1 1965	0 ..	34·5 1964	22·7 1964	148·2 1964
Keshod	35·6 1961	3·6 1962	8.4 1965	38·0 1960	5·2 1961	10·0 1961	42·1 1959	11·5 1960	0 ..	44·0 1961	15·8 1960	0·2 1959	45·1 1959	19·9 1960	0·8 1959	38·6 1964	22·3 1959	87·3 196
Mahuva	35·0 1965	5·9 1964	2·5 1953	41·1 1953	8·3 1961	2·5 1961	42·8 1956	12·4 1965	11·4 1954	45·0 1954	13·9 1955	1·5 1956	43·9 1956	18·9 1965	0·5 1956	40·6 1953	22·8 1955	179· 195
Veraval	36·0 1961	4·4 1905	12·9 1926	38·3 1953	4·4 1893	18·1 1961	42·8 1915	9·4 1892	19·1 1911	42·8 1954	13·9 1908	124·7 1947	44·2 1959	18·9 1909	123·2 1917	37·2 1954	20·0 1951	221· 194
Konkan																		
Dahanu	34·4 1957	8·3 1945	8·9 1948	37·8 1949	8·8 1961	3·6 1954	38·9 1946	12·8 1945	1·9 1962	40·6 1955	19·3 1957	59·9 1947	38·3 1944	20·6 1947	27·0 1960	38·3 1951	15·0 1948	378·0 196
Bombay (Santa Cruz)	36·2 1961	7·4 1962	7·0 1965	39·4 1953	10·0 1950	18·0 1961	41·7 1956	14·1 1957	0·8 1951	42·2 1952	18·3 1951	1·5 1951	38·8 1959	20·6 1951	54·4 1951	36·7 1951	22·2 1954	305· 195
Bombay	35·6 1965	11·7 1935	49·3 1926	38·3 1949	11·7 1929	41·7 1917	39·7 1958	16·7 1905	34·3 1918	40·6 1955	20·0 1905	37·3 1947	36·2 1959	22·8 1951	126·2 1893	37·2 1901	21·1 1936	408· 188
Alibag	35·9 1965	9·4 1934	9·7 1948	37·8 1943	11·4 1961	34·5 1961	39·4 1945	15·6 1945	2·8 1940	40·0 1955	18·9 1937	8·4 1947	37·5 1960	21·7 1943	103·1 1938	36·2 1965	18·3 1945	255· 194
Bhira	36·9 1963	10·6 1965	3.3 1965	40·0 1964	9·3 1964	4·8 1963	43·9 1964	13·6 1965	2·4 1963	45·3 1964	17·0 1964	1·6 1963	43·5 1965	19·6 1965	18·0 1964	41·5 1964	21·9 1965	175· 196
Harnai	33·8 1964	15·6 1945	8·6 1945	35·0 1962	13·9 1950	1·4 1963	37·2 1946	16·1 1945	0 ..	36·1 1949	17·8 1950	31·5 1955	37·2 1955	20·0 1950	157·0 1956	34·4 1965	16·1 1945	281· 196
Ratnagiri	36·7 1912	12·2 1935	36·8 1941	38·3 1945	13·3 1901	32·0 1917	38·9 1922	16·1 1910	31·7 1900	36·1 1938	16·1 1905	25·9 1937	37·8 1883	21·7 1913	91·2 1965	35·0 1913	19·4 1939	309· 195
Devgarh	34·4 1952	15·6 1945	25·0 1965	35·9 1961	16·7 1961	1·5 1958	37·2 1948	18·7 1957	12·2 1947	37·2 1956	20·6 1953	23·6 1947	35·0 1954	20·0 1961	181·2 1961	37·2 1948	17·8 1945	276· 195
Vengurla	35·6 1955	12·0 1962	5·5 1965	38·9 1952	12·8 1950	2·8 1958	37·5 1960	15·0 1950	0·3 1954	40·0 1956	20·4 1965	17·0 1954	36·1 1949	21·8 1959	299·0 1959	34·7 1964	20·0 1956	333 19
Panjim	36·2 1934	14·8 1949	25·3 1943	38·0 1962	15·1 1951	2·8 1956	39·0 1948	16·4 1962	10·0 1954	38·5 1956	18·1 1956	81·1 1937	36·0 1931	21.4 1962	232·8 1961	35·0 1945	20·0 1948	293 19
Marmugao	34·4 1946	16·7 1945	31·7 1943	37·2 1943	17·2 1944	0 ..	37·2 1948	19·4 1935	4·6 1954	33·9 1947	20·6 1953	105·4 1937	33·3 1938	21·7 1955	307·1 1933	33·3 1948	17·0 1964	196 19
Dabolim Naval Air Station*	34.6 1965	18.8 1965	1.7 1965	36.6 1965	19.5 1965	0 ..	32·3 1965	21.1 1965	0 ..	32·8 1965	22.7 1965	1.0 1965	33.4 1965	24.5 1965	0 ..	33.3 1965	22.0 1965	145 19
Madhya Maharashtra																		
Nandurbar	35·9 1958	8·1 1964	43·9 1955	40·6 1955	11·6 1964	0 ..	43·3 1956	14·2 1960	9·0 1963	45·6 1958	18·6 1965	41·2 1958	46·1 1955	20·1 1964	76·2 1956	42·8 1953	22·1 1964	80 19
Jalgaon	35·6 1939	1·7 1945	29·6 1958	40·6 1953	3·9 1943	21·8 1941	43·9 1953	8·7 1960	23·9 1938	47·2 1958	15·4 1965	35·1 1951	47·8 1947	19·9 1962	115·1 1956	46·1 1953	21·1 1962	110 19
Malegaon	35·0 1932	0·6 1935	38·1 1888	39·4 1953	—0·6 1929	43·4 1936	45·6 1889	5·6 1898	14·7 1915	44·6 1958	9·4 1905	27·0 1958	46·8 1962	16·7 1881	104·4 1903	44·4 1915	17·8 1932	111 19
Deolali (Aerodrome)*	33·5 1963	1·6 1962	3·8 1962	37·6 1953	—0·6 1950	1·8 1963	40·0 1953	7·2 1957	51·3 1963	42·8 1958	11·1 1955	43·2 1963	42·2 1955	15·8 1965	57·7 1951	40·0 1955	20·0 1952	67 19
Ahmadnagar	36·1 1897	2·2 1945	51·6 1941	38·9 1897	2·8 1911	42·9 1894	40·6 1954	7·8 1892	88·4 1938	43·1 1958	10·6 1926	71·9 1937	43·7 1960	16·1 1917	119·9 1915	43·3 1920	18·3 1907	177 19
Khandala	.. ..	.. ..	19·1 1940	.. ..	.. ..	15·2 1937	.. ..	.. ..	1·4 1963	.. ..	.. ..	58·0 1959	.. ..	.. ..	62·4 1960	.. ..	.. ..	312 19
Poona (Aerodrome)	32·8 1964	7·1 1962	0 ..	37·8 1953	6·6 1961	0 ..	40·0 1953	10·6 1961	42·9 1954	42·5 1964	12·2 1955	26·2 1959	41·7 1952	15·0 1955	74·4 1960	40·0 1964	18·9 1953	123 19
Poona	35·0 1938	1·7 1935	22·3 1948	38·9 1953	3·9 1934	16·3 1892	42·8 1892	7·2 1908	35·1 1954	43·3 1897	10·6 1903	51·1 1896	43·3 1889	13·9 1888	82·5 1927	41·7 1897	17·2 1920	131 19
Jeur	33·9 1950	4·9 1962	1·2 1965	38·3 1953	5·0 1950	18·5 1952	41·1 1953	10·4 1957	23·2 1963	43·7 1958	14·4 1960	23·6 1957	43·6 1958	19·3 1964	81·4 1961	43·3 1953	18·9 1951	81 19
Baramati	33·5 1964	6·7 1962	8.0 1935	37·4 1959	7·7 1961	0 ..	40·5 1959	10·8 1962	6·3 1958	43·5 1964	13·3 1955	22·6 1955	42·8 1958	19·4 1956	35·6 1959	41·9 1958	20·0 1956	74 19
Sholapur	36·7 1897	4·4 1945	48·8 1943	39·4 1886	6·1 1911	34·3 1928	43·9 1892	12·2 1886	39·6 1893	44·4 1889	13·9 1905	48·0 1907	45·6 1939	16·1 1885	56·1 1952	45·6 1923	17·2 1922	143 18
Miraj	34·4 1964	5·0 1945	46·4 1941	37·4 1961	6·7 1944	38·0 1963	40·6 1949	11·2 1957	127·4 1963	42·2 1942	15·0 1944	115·1 1937	42·2 1940	17·9 1965	108·2 1938	42·2 1934	18·4 1963	83 19
Kolhapur	33·8 1964	8·7 1962	14·7 1947	37·4 1961	9·3 1961	12·0 1963	40·4 1959	12·8 1957	48·5 1948	41·7 1956	15·6 1955	51·2 1963	41·2 1959	18·3 1946	163·4 1961	39·4 1953	18·9 1956	101 19
Marathwada																		
Aurangabad	37·2 1924	3·9 1945	51·6 1920	37·8 1953	2·2 1911	36·3 1894	42·2 1897	8·9 1898	23·4 1915	45·0 1896	10·0 1908	24·6 1937	45·6 1905	17·2 1924	75·5 1961	43·9 1923	17·2 1901	182 19
Aurangabad (Chikalthan)	32·3 1964	3·3 1962	16·7 1965	37·2 1954	3·9 1961	5·2 1961	40·0 1955	7·1 1957	20·3 1954	43·6 1958	13·5 1963	8·0 1962	43·3 1964	17·3 1962	58·8 1961	42·2 1953	20·0 1954	94 19
Parbhani	33·3 1955	4·4 1945	43·4 1926	38·3 1953	6·1 1949	34·8 1928	41·7 1953	11·6 1957	46·5 1927	45·0 1958	17·2 1955	39·8 1962	45·9 1964	20·8 1962	56·6 1916	45·6 1953	20·0 1951	87 19
Nander	33·2 1964	7·0 1963	2 3 1965	38·0 1961	8·0 1963	5·4 1963	40·5 1964	14·0 1965	25·5 1961	45·5 1964	16·0 1965	69·7 1962	46·6 1964	22·0 1965	12·2 1961	43·3 1964	18·0 1965	75 19
Bir	32·9 1961	6·2 1962	3·5 1962	37·1 1964	4·6 1961	5·2 1963	39·9 1964	11·0 1963	9·0 1962	44·6 1964	14·5 1965	33·0 1962	45·1 1964	19·4 1964	38·4 1962	41·4 1964	20·2 1964	72 19
Vidharbha																		
Gondia	32·0 1961	6·7 1951	42·4 1948	37·2 1951	6·7 1950	48·3 1947	41·7 1953	11·7 1952	34·3 1951	44·6 1961	17·2 1965	25·9 1953	46·1 1954	21·0 1953	23·6 1962	45·6 1953	20·6 1959	216 19
Nagpur (Sonegaon)	35·0 1900	3·9 1937	60·3 1960	38·9 1887	5·0 1950	51·6 1942	45·0 1892	8·3 1898	45·0 1881	46·1 1942	13·9 1905	59·4 1937	47·8 1954	19·4 1917	58·4 1909	47·2 1931	20·0 1919	315 19
Amraoti	35·0 1889	6·1 1934	59.2 1911	38·9 1953	5·0 1887	51·6 1928	43·9 1892	8·9 1898	51.6 1957	46·1 1898	12·8 1905	66·3 1937	46·1 1898	12·8 1905	47·2 1887	46·7 1923	19·4 1916	155 19

*Observatory closed in October, 1965.

July			August			September			October			November			December			Based on data from		Sub-Division & Station
X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	Temperature	Rainfall	
																				Saurashtra and Kutch—(Contd.)
38·4 1965	21·0 1961	195·5 1957	37·0 1965	22·2 1958	117·0 1959	40·6 1951	21·0 1962	102·9 1954	41·7 1951	16·8 1964	141·0 1959	37·4 1964	12·2 1956	22·8 1963	34·6 1957	7·8 1964	3·0 1962	1951 ..	1951 ..	Bhavnagar Aerodrome.
35·2 1961	23·7 1965	205·4 1962	32·6 1964	23·5 1965	130·4 1962	36·7 1960	21·3 1962	91·5 1962	40·5 1963	15·3 1961	21·7 1961	37·7 1960	12·7 1964	36·2 1963	34·8 1963	9·2 1965	0 ..	1960 ..	1960 ..	Porbandar Aerodrome.
36·4 1961	22·7 1963	312·5 1961	34·5 1965	22·0 1964	186·0 1964	37·6 1960	19·8 1962	166·8 1961	39·5 1965	13·6 1964	51·8 1963	37·8 1964	11·4 1964	12·5 1962	36·8 1963	8·0 1963	0·2 1959	1959 ..	1959 ..	Keshod.
35·6 1955	21·5 1965	167·9 1957	34·6 1962	21·1 1952	77·2 1957	37·5 1963	18·9 1965	99·9 1962	38·9 1963	15·1 1964	76·0 1959	37·4 1964	13·3 1953	17·4 1965	35·2 1962	9·4 1961	17·3 1954	1952 ..	1952 ..	Mahuva.
33·9 1902	20·4 1961	289·6 1945	33·5 1964	22·7 1960	270·0 1933	36·7 1955	20·6 1946	277·4 1926	39·6 1965	13·3 1949	173·7 1917	37·8 1951	10·0 1950	89·9 1896	35·6 1953	7·2 1950	25·7 1902	1891 ..	1891 ..	Veraval.
																				Konkan
35·0 1947	18·4 1960	431·0 1956	32·2 1964	20·6 1951	353·3 1945	36·7 1951	21·1 1954	481·0 1958	36·6 1965	17·2 1954	173·4 1959	37·8 1948	15·4 1964	256·4 1948	35·6 1952	11·1 1945	0·5 1954	1944 ..	1944 ..	Dahanu.
34·8 1960	21·7 1965	372·7 1965	33·2 1965	19·4 1950	256·0 1954	35·6 1951	21·1 1964	212·4 1962	37·4 1965	16·7 1952	117·1 1955	36·9 1965	13·3 1950	23·1 1957	35·9 1965	10·6 1949	25·9 1962	1949 ..	1949 ..	Bombay (Santa Cruz).
35·6 1902	21·7 1945	304·8 1923	32·4 1964	21·7 1943	287·0 1881	35·0 1929	20·0 1947	548·1 1930	36·6 1957	20·6 1954	148·6 1817	36·2 1957	17·8 1881	122·7 1927	35·7 1962	12·8 1929	47·8 1962	1881 ..	1881 ..	Bombay.
32·3 1960	20·0 1959	295·9 1953	32·8 1932	21·1 1949	245·0 1965	32·8 1951	21·1 1947	396·2 1949	37·2 1936	18·3 1954	309·8 1964	36·7 1941	15·6 1950	106·7 1948	35·3 1965	13·9 1949	49·5 1962	1931	1931	Alibag.
32·9 1964	21·4 1965	328·6 1962	34·4 1965	20·9 1963	239·2 1964	35·0 1965	19·6 1964	159·2 1964	39·5 1965	16·1 1962	59·4 1964	39·5 1965	12·1 1964	38·8 1964	37·5 1965	12·6 1964	23·3 1962	1962	1962	Bhira.
32·2 1948	17·8 1950	242·6 1948	32·2 1947	20·6 1950	176·0 1947	31·7 1951	21·1 1947	308·6 1949	35·2 1962	19·4 1946	182·2 1964	35·8 1965	18·3 1946	72·6 1946	34·5 1965	18·9 1949	88·5 1962	1944	1944	Harnai.
32·8 1900	20·6 1919	304·3 1900	32·2 1965	21·1 1931	204·2 1885	34·4 1896	20·6 1962	236·7 1938	37·2 1888	17·8 1903	221·0 1838	37·2 1918	15·5 1964	243·8 1912	36·1 1896	14·4 1954	74·6 1962	1881	1881	Ratnagiri.
31·8 1960	18·2 1961	215·2 1962	33·0 1965	19·4 1945	136·2 1964	32·2 1953	21·1 1945	235·2 1948	35·9 1965	19·4 1952	141·0 1951	36·1 1951	17·2 1952	67·1 1946	34·7 1965	16·1 1949	138·8 1962	1945	1945	Devgarh.
32·4 1960	21·7 1956	237·7 1951	33·5 1965	21·7 1956	177·6 1958	32·8 1952	20·7 1964	138·2 1950	35·8 1960	17·0 1962	122·4 1951	37·0 1965	14·1 1964	49·6 1962	36·0 1965	10·6 1954	124·9 1965	1949	1949	Vengurla.
34·5 1958	21·5 1959	248·6 1953	34·0 1965	20·4 1933	213·7 1958	33·0 1944	21·0 1964	129·5 1938	36·5 1946	19·0 1943	153·6 1952	36·8 1941	15·3 1964	64·5 1951	36·0 1941	14·1 1945	100·8 1965	1931	1931	Panjim.
31·7 1931	20·2 1965	259·1 1953	32·4 1965	19·3 1964	153·9 1940	31·7 1951	21·1 1946	175·5 1938	36·1 1936	18·3 1932	159·8 1952	35·6 1965	12·2 1946	72·1 1946	35.6 1965	17·2 1955	74·8 1965	1931	1931	Marmugao.
32.0 1965	22·0 1965	166·7 1965	33·2 1965	22·1 1965	45·9 1965	31·1 1965	22·2 1965	34·6 1965	34·5 1965	23·7 1965	0·7 1965	37·2 1964	16·8 1964	17·0 1964	35·0 1965	18·4 1964	69·7 1965	1964	1964	Dabolim (Naval Air Station*).
																				Madhya Maharashtra.
38·2 1962	21·1 1952	167·5 1958	38·9 1954	21·1 1965	82·0 1959	37·2 1963	20·1 1965	124·5 1954	39·0 1965	15·1 1964	163·0 1959	37·6 1964	10·6 1964	35·8 1963	35·0 1953	10·6 1964	22·0 1962	1952	1952	Nandurbar.
39·9 1962	21·1 1938	110·7 1941	37·3 1965	20·0 1942	119·1 1942	38·9 1951	15·6 1942	111·8 1937	38·9 1965	9·5 1964	98·8 1943	36·9 1965	5·6 1950	59·9 1946	35·0 1953	1·7 1937	71·2 1962	1937	1937	Jalgaon.
37·8 1920	18·3 1953	158·5 1896	37·2 1899	16·1 1899	155·3 1897	38·3 1899	16·1 1942	132·1 1894	40·9 1964	10·6 1933	109.7 1885	39·4 1964	5·6 1910	105·2 1912	35·0 1896	2·8 1926	43·0 1962	1881	1881	Malegaon.
34·1 1962	19·9 1965	157·0 1952	33·3 1950	19·4 1956	143·3 1956	34·0 1963	16·2 1963	107·2 1962	35·7 1957	9·4 1954	54·6 1956	33·7 1964	5·4 1964	62·5 1958	33·6 1963	5·0 1954	40·0 1954	1950	1950	*Deolali (Aerodrome).
37·2 1955	17·8 1944	174·0 1911	36·7 1899	16·1 1913	147·3 1957	36·7 1912	14·4 1896	148·8 1902	37·6 1960	10.6 1914	89·1 1943	35·6 1898	5·6 1892	124·7 1948	33·5 1963	3·3 1926	69·1 1942	1891	1891	Ahmadnagar.
.. ..	.. ..	516·4 1958	.. ..	.. ..	475·0 1956	.. ..	.. ..	308·4 1942	.. ..	.. ..	263·7 1938	.. ..	.. ..	188·7 1948	.. ..	.. ..	20·0 1965	..	1933	Khandala.
34·8 1960	19·7 1963	103·6 1958	33·1 1965	17·2 1956	103·6 1956	37·2 1951	15·6 1952	60·7 1963	36·8 1965	12·7 1964	106·9 1951	35·7 1965	9·2 1964	76·2 1951	33·4 1963	7·8 1954	29·2 1962	1950	1950	Poona (Aerodrome).
35·6 1915	18·9 1920	130·4 1958	35·0 1950	17·2 1920	108·7 1956	36·1 1951	15·1 1964	132·3 1938	37·8 1899	9·9 1964	149·1 1892	36·1 1896	4·6 1964	96·8 1934	35·0 1896	4·4 1940	42·4 1942	1881	1881	Poona.
39·9 1959	17·9 1959	88·1 1956	37·2 1950	17·4 1957	94·2 1958	36·1 1951	15·3 1959	98·8 1964	37·0 1965	11·7 1964	58·1 1959	35·0 1959	6·5 1964	63·6 1959	33·9 1963	5·3 1959	43·2 1954	1950	1950	Jeur.
36·2 1960	19·9 1965	37·1 1956	35·5 1965	17·8 1956	106·2 1956	35·6 1955	16·8 1964	110·2 1962	36·5 1965	12·8 1954	75·4 1957	34·5 1965	9·0 1964	46·2 1956	32·2 1954	7·8 1959	15·2 1965	1954	1954	Baramati.
38·9 1912	18·3 1914	160·3 1907	40·0 1965	15·0 1956	191·0 1940	37·2 1899	17·5 1959	169·9 1895	38·5 1965	12·8 1882	125·5 1957	36·1 1915	7·8 1881	27·8 1896	34·7 1896	7·5 1945	97·5 1886	1881	1881	Sholapur.
35·0 1932	17·2 1945	61·0 1943	34·4 1941	17·8 1949	150·9 1932	35·6 1951	15·6 1935	93·7 1946	36·1 1942	12.2 1937	101·3 1956	34·6 1965	7·9 1964	114·1 1955	34·4 1941	7·2 1954	69·0 1965	1931	1931	Miraj.
32·6 1960	18·9 1955	151·6 1953	32·2 1950	18·9 1956	116·3 1956	35·0 1951	17·3 1962	81·8 1960	36·2 1965	13·9 1952	67·6 1953	34·6 1965	9·7 1964	105·7 1962	34·4 1963	8·9 1956	51·7 1962	1946	1946	Kolhapur.
																				Marathwada.
37·8 1897	18·3 1904	139·7 1916	36·1 1950	17·2 1935	134·6 1903	36·7 1896	16·1 1901	245·1 1891	37·8 1911	12·2 1903	124·6 1961	35·6 1896	7·2 1910	157·5 1946	34·4 1896	5·0 1902	92·7 1942	1896	1891	Aurangabad.
35·6 1965	18·9 1962	84·1 1953	35·6 1965	18·3 1956	69·3 1956	35·7 1965	15·5 1962	78·8 1958	36·8 1965	8·3 1952	94·5 1961	34·6 1965	4·6 1964	44·4 1958	33·6 1963	3·9 1964	28·4 1962	1952	1952	Aurangabad, (Chikalthan.)
37·8 1950	20·2 1963	171·5 1923	36·7 1950	19·4 1952	139·7 1934	35·6 1951	18·5 1959	221·5 1943	37·6 1965	10·0 1954	168·9 1955	34·6 1965	8·3 1956	115·3 1948	32·8 1953	6·7 1945	32·3 1937	1944	1916	Parbhani.
37·4 1961	18·3 1961	177·4 1965	36·2 1965	19·1 1961	142·6 1963	36·4 1965	19·8 1965	65·1 1962	38·0 1965	13·3 1964	61·8 1962	35·2 1965	7·5 1964	27·0 1962	33·4 1963	7·1 1964	32·8 1962	1961	1961	Nander.
35·9 1965	20·0 1963	75·4 1965	34·9 1962	20·0 1965	89·0 1962	35·2 1965	18·0 1962	63·2 1964	36·9 1965	11·5 1964	85·3 1961	34·4 1965	7·6 1964	42·3 1962	33·6 1963	6·0 1964	35·0 1962	1961	1961	Bir.
																				Vidarbha.
37·7 1962	21·1 1965	164·2 1959	34·8 1965	18·3 1953	179·6 1961	34·7 1965	20·6 1952	281·4 1961	36·3 1965	13·3 1952	106·7 1949	34·5 1965	8·9 1950	54·6 1948	32·9 1960	7·2 1955	104·0 1962	1946	1946	Gondia.
40·6 1897	19·4 1942	219·2 1898	37·8 1899	18·3 1939	200·7 1895	38·9 1899	18·3 1904	184·4 1962	38·3 1899	11·6 1960	164·6 1936	35·6 1899	6·7 1912	81·5 1946	33·9 1941	5·6 1936	61·0 1962	1881	1881	Nagpur (Sonegaon).
39·4 1931	18·9 1890	230·1 1888	36·7 1902	15·6 1944	168·1 1944	38·3 1899	17·2 1893	234·9 1933	39·4 1899	12·8 1889	90·2 1940	36·5 1965	8·9 1884	78·0 1931	33·9 1913	8·3 1937	55·6 1885	1881	1881	Amraoti.

*Observatory closed in October 1965.

Sub-Division & Station	January			February			March			April			May			June		
	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R
Vidarbha—(*Contd.*)																		
Akola Aerodrome	33·2 1964	8·2 1963	23·4 1965	37·5 1964	9·1 1964	8·2 1963	41·7 1964	13·6 1965	8·4 1963	45·7 1964	14·8 1965	6·0 1964	47·0 1964	22·2 1965	4·5 1963	43·0 1964	20·8 1963	113·4 1963
Akola	36·2 1958	3·9 1937	49·0 1922	40·0 1953	2·2 1887	42·2 1907	44·4 1892	5·6 1908	38·6 1957	46·1 1942	11·1 1905	58·7 1937	47·8 1947	11·9 1960	44·7 1943	47·2 1923	20·0 1916	188·0 1955
Bramhapuri	32·0 1964	6·5 1962	41·2 1965	36·2 1958	7·8 1957	27·6 1961	40·6 1964	10·3 1962	47·5 1957	45·2 1964	16·7 1963	17·0 1957	46·6 1960	13·4 1962	43·7 1957	46·2 1958	20·5 1957	123·7 1964
Buldana	32·8 1956	9·2 1962	68·6 1965	36·7 1953	4·4 1950	25·4 1961	38·9 1953	13·5 1963	26·2 1955	42·2 1958	15·9 1962	31·0 1959	42·5 1964	20·0 1960	44·2 1961	41·7 1953	19·4 1955	89·0 1959
Yeotmal	33·3 1956	9·4 1954	36·0 1960	37·8 1953	7·2 1950	31·2 1950	41·7 1953	14·4 1957	29·7 1957	45·0 1964	16·1 1963	46·7 1952	46·1 1954	20·0 1955	50·0 1961	45·6 1953	16·1 1965	104·4 1953
Chanda	35·6 1900	2·8 1899	39·4 1924	39·4 1951	3·9 1905	94·2 1898	44·4 1892	7·2 1898	68·8 1893	46·1 1942	11·7 1905	65·3 1914	48·3 1912	18·9 1919	44·5 1903	47·8 1929	20·0 1919	182·1 1887
Pusad	34·1 1964	6·4 1962	5·0 1962	38·0 1962	8·3 1963	7·1 1963	40·7 1964	11·5 1961	22·2 1963	46·0 1961	16·6 1965	24·2 1962	46·0 1964	21·0 1961	25·2 1963	43·4 1964	21·1 1963	52·0 1963
Sironcha	33·3 1955	7·8 1951	10·9 1965	37·8 1953	9·7 1963	16·6 1961	41·7 1959	13·9 1952	95·0 1951	44·7 1959	20·0 1962	33·0 1962	46·7 1954	21·1 1955	28·4 1963	46·7 1953	22·2 1960	119·0 1959
Coastal Andhra Pradesh																		
Kalingapatam	33·9 1911	12·1 1962	25·4 1908	37·8 1922	12·8 1918	83·1 1923	38·9 1946	16·1 1952	84·3 1940	41·7 1947	18·3 1930	63·5 1956	45·0 1923	20·6 1951	307·3 1914	43·9 1923	19·8 1960	188·5 193
Vishakhapatnam	33·1 1958	10·5 1962	132·1 1908	36·7 1922	13·3 1956	64·5 1901	38·3 1956	14·4 1952	64·5 1926	40·5 1960	18·3 1930	86·4 1963	43·3 1953	20·0 1904	145·3 1955	44·4 1923	21·1 1920	166· 192
Kakinada	32·8 1950	12·0 1962	78·2 1921	37·8 1896	15·6 1918	45·0 1893	38·9 1934	17·2 1906	71·6 1905	42·8 1947	18·9 1942	61·0 1937	46·7 1934	21·1 1917	109·7 1914	47·2 1923	21·7 1940	501· 194
Nidadavole	33·2 1958	12·3 1962	18·0 1965	36·6 1959	15·0 1956	28·0 1961	37·9 1962	18·5 1964	35·7 1960	42·8 1956	19·1 1962	27·0 1962	48·9 1962	21·6 1959	57·7 1957	46·2 1958	21·4 1963	59· 195
Rentachintala	35·0 1964	10·6 1946	3·8 1948	39·4 1959	12·8 1949	21·3 1956	44·4 1953	15·6 1952	28·5 1950	46·1 1941	18·3 1937	69·1 1948	47·2 1948	18·3 1955	67·3 1940	47·2 1953	21·7 1947	101· 194
Gannavaram	34·4 1952	14·2 1962	8·4 1956	37·8 1954	15·4 1963	13·8 1961	43·3 1953	17·2 1952	46·7 1957	44·4 1956	20·6 1963	77·5 1963	46·7 1956	20·3 1964	46·8 1962	46·7 1953	20·6 1951	150· 196
Nagarjuna Konda*	34·1 1961	10·9 1962	2·6 1961	38·1 1961	15·4 1962	31·6 1962	42·6 1961	20·9 1962	0 ..	44·1 1961	21·1 1963	21·4 1962	44·7 1963	22·6 1961	24·0 1962	42·8 1963	20·4 1963	125· 196
Masulipatam	33·3 1946	13·9 1945	76·2 1908	37·2 1927	14·4 1889	96·5 1901	42·2 1892	16·7 1906	150·4 1926	44·4 1892	18·3 1926	101·3 1942	47·8 1906	19·4 1893	82·5 1904	46·1 1924	20·0 1961	133· 191
Ongole	33·9 1946	14·0 1962	27·9 1953	38·3 1954	14·4 1945	47·0 1959	43·3 1953	18·3 1945	52·3 1951	44·4 1956	20·6 1950	81·1 1963	46·6 1964	16·1 1949	10·6 1949	46·1 1953	22·4 1961	81· 196
Nellore	35·6 1936	15·0 1946	94·2 1906	39·4 1927	16·1 1891	116·8 1928	43·9 1892	17·2 1910	59·2 1944	45·6 1895	20·6 1934	73·7 1900	46·7 1892	20·2 1965	185·9 1952	46·7 1894	21·1 1912	83· 190
Telangana																		
Ramgundam	34·6 1964	9·4 1953	10·9 1953	38·9 1951	9·4 1949	14·0 1961	42·8 1953	14·4 1952	21·1 1951	44·7 1961	19·3 1965	62·0 1961	47·2 1948	21·1 1949	65·5 1957	47·2 1953	20·9 1965	140 19
Nizamabad	35·6 1928	5·0 1899	59·7 1943	38·3 1954	6·1 1911	72·4 1928	43·3 1928	11·1 1892	43·9 1950	44·5 1964	12·8 1905	76·2 1937	47·2 1923	18·3 1917	71·1 1922	46·1 1931	16·7 1902	246 19
Hanamkonda	35·0 1921	8·9 1945	58·4 1924	37·8 1954	10·6 1911	82·0 1962	42·2 1953	15·0 1906	71·1 1928	44·7 1961	17·8 1957	83·6 1937	46·7 1928	17·2 1917	75·7 1940	46·1 1953	20·6 1927	197 19
Hakimpet (Aerodrome)	31·0 1964	12·0 1962	5·1 1965	35·3 1959	13·5 1961	50·0 1962	38·3 1959	16·1 1958	31·2 1958	41·2 1964	17·7 1963	27·2 1963	43·3 1956	18·1 1965	65·3 1965	42·2 1953	18·9 1954	106 19
Bhadrachalam	34·5 1958	8·4 1962	32·0 1961	38·3 1954	11·7 1956	18·0 1962	42·8 1963	15·6 1952	25·4 1954	43·9 1956	18·3 1956	30·0 1963	46·7 1956	21·7 1955	46·2 1962	46·8 1958	20·6 1954	109 19
Hyderabad (Begampet)	35·0 1929	6·1 1946	93·2 1922	37·2 1951	8·9 1911	42·9 1912	42·2 1892	13·2 1957	103·1 1928	43·3 1941	16·1 1917	60·7 1935	44·4 1935	18·9 1964	65·0 1905	43·9 1931	17·8 1922	122 19
Khammam	35·0 1950	9·4 1946	11·4 1941	38·9 1954	11·7 1943	39·6 1946	43·3 1953	16·1 1952	47·0 1944	45·0 1941	18·9 1945	63·0 1945	47·2 1947	21·1 1948	46·5 1948	46·7 1953	21·6 1961	92 19
Mahbubnagar	32·6 1964	11·5 1962	0·3 1958	37·0 1961	11·7 1956	8·0 1962	40·0 1953	15·6 1952	43·4 1958	42·2 1956	19·2 1958	65·5 1957	43·8 1964	19·9 1962	79·3 1952	43·3 1953	20·6 1965	82 19
Rayalaseema																		
Kurnool	36·1 1897	8·3 1891	41·1 1915	38·9 1899	11·1 1943	66·8 1928	41·7 1925	12·8 1921	50·0 1893	44·4 1896	16·1 1905	42·2 1957	45·6 1921	19·4 1955	165·6 1952	44·4 1898	20·0 1935	81 19
Anantapur	34·1 1958	11·5 1962	5·1 1947	38·0 1964	13·3 1947	10·9 1947	40·6 1953	15·0 1951	25·9 1951	42·2 1956	18·3 1950	67·1 1956	42·2 1953	18·9 1951	79·6 1961	41·7 1953	20·6 1953	59 19
Cuddapah	37·8 1897	11·7 1912	84·8 1896	40·6 1897	13·3 1964	51·6 1901	43·3 1903	17·0 1964	131·3 1915	45·0 1906	17·8 1907	116·6 1898	46·1 1906	19·4 1895	115·1 1940	45·0 1923	17·8 1944	152 19
Arogyavaram	31·6 1958	10·6 1962	19·3 1947	35·0 1959	11·0 1965	22·6 1950	37·2 1953	12·8 1955	18·0 1957	38·4 1964	17·6 1965	50·0 1956	38·9 1947	15·6 1946	80·5 1951	37·6 1964	18·9 1957	69 19
Madras State																		
Madras	32·8 1894	13·9 1905	212·9 1915	36·7 1927	15·0 1934	123·2 1929	40·6 1953	16·7 1908	64·5 1925	42·8 1908	20·0 1939	96·3 1945	45·0 1910	21·1 1886	214·9 1943	43·3 1948	20·6 1909	5 19
Madras (Minambakkam)	31·0 1964	16·1 1950	78·2 1963	35·0 1950	16·2 1960	27·9 1955	40·0 1953	18·3 1954	21·0 1963	41·1 1956	21·1 1950	100·3 1951	43·3 1964	21·1 1952	244·3 1952	42·2 1953	21·0 1961	5 19
Vellore	34·3 1964	11·7 1946	69·1 1922	37·8 1945	12·3 1960	67·3 1906	40·6 1953	14·4 1934	49·8 1915	43·9 1908	17·8 1950	83·1 1951	44·4 1906	19·4 1902	214·4 1943	42·8 1935	20·6 1922	9 19
Tambaram (Aerodrome)	32·3 1964	16·7 1965	31·0 1963	35·1 1964	16·6 1960	42·2 1961	38·3 1965	19·8 1963	5·8 1963	41·3 1962	21·9 1965	78·6 1965	44·8 1964	22·0 1963	67·3 1962	43·7 1965	21·9 1961	7 19
Tiruppattur	33·3 1959	10·5 1964	8·4 1961	37·2 1959	11·0 1964	20·3 1960	38·8 1961	13·3 1965	47·0 1960	40·2 1960	18·1 1965	29·4 1962	42·3 1964	21·0 1963	53·4 1962	43·7 1965	20·1 1962	6 1
Mettur Dam R.S.	34·3 1964	15·4 1965	0 ..	36·6 1964	16·4 1965	0 ..	38·6 1963	18·0 1965	20·3 1965	40·4 1964	20·1 1963	54·1 1963	41·4 1964	22·3 1965	26·4 1965	42·0 1964	21·8 1963	2 1
Cuddalore	31·7 1951	13·3 1894	131·4 1961	36·1 1898	14·4 1918	119·4 1930	38·9 1953	16·1 1898	183·1 1933	42·2 1908	19·4 1939	120·4 1939	43·3 1953	21·1 1950	572·0 1943	42·8 1905	21·1 1898	8 1
Kallakkurichchi	34·3 1959	15·0 1950	58·0 1963	37·7 1959	15·6 1950	42·8 1950	31·7 1953	17·2 1951	58·6 1963	41·7 1956	20·3 1959	75·0 1962	42·8 1956	20·5 1963	165·9 1957	41·4 1958	21·5 1962	7 1

*Station closed from June 1964.

July			August			September			October			November			December			Based on data from		Sub-Division & Stations
X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	Temperature	Rainfall	
																				Vidharbha—(*Contd.*)
36·9 1965	21·3 1964	101·2 1965	36·8 1965	20·6 1965	76·5 1963	37·0 1965	18·8 1965	96·7 1964	39·0 1965	11·2 1964	81·3 1963	35·6 1965	8·4 1964	0 ..	33·8 1963	7·5 1963	2·0 1965	1963	1963	Akolla Aerodrome
40·6 1900	20·6 1965	188·5 1894	37·8 1950	18·3 1944	224·5 1900	40·0 1899	17·2 1904	365·4 1959	40·0 1899	10·0 1889	110.5 1887	36·1 1899	5·6 1912	112·3 1936	36·7 1896	3·9 1883	65·0 1885	1881	1881	Akola
36·8 1962	18·7 1957	214·0 1960	35·4 1965	19·6 1957	117·0 1960	35·0 1965	19·4 1957	175·4 1959	36·6 1965	16·2 1960	65·2 1960	35·0 1965	10·4 1964	54·0 1958	37·2 1957	7·1 1965	18·6 1962	1957	1957	Bramhapuri
34·6 1965	18·9 1949	122·9 1953	35·0 1950	16·6 1959	129·8 1959	33·9 1965	17·9 1959	170·4 1958	35·7 1965	14·4 1957	161·5 1961	33·4 1965	11·7 1949	49·4 1962	32·8 1948	10·2 1963	19·6 1950	1948	1948	Buldana
38·3 1950	20·0 1953	123·0 1959	35·6 1950	19·4 1955	165·6 1952	35·1 1960	19·6 1962	210·3 1959	37·4 1965	13·9 1952	85·9 1952	34·2 1965	10·0 1954	63·2 1962	34·0 1960	10·0 1950	29·9 1962	1949	1949	Yeotmal
40·6 1897	17·8 1954	191·3 1887	37·2 1954	18·3 1954	179·6 1951	37·2 1899	18·3 1904	249·4 1959	37·8 1899	11·7 1882	164·1 1936	36·1 1950	7·2 1950	70·9 1881	33·9 1933	3·9 1883	54·6 1884	1881	1881	Chanda
38·1 1962	20·3 1962	89·6 1965	35·4 1965	21·1 1965	245·3 1963	35·5 1963	19·4 1963	75·8 1964	37·6 1965	12·6 1964	95·4 1961	35·4 1965	7·8 1964	33·3 1962	34.7 1963	6·2 1964	27·3 1962	1961	1961	Pusad
38·9 1951	21·1 1957	205.0 1965	36·1 1950	18·9 1954	247·4 1953	35·2 1965	20·8 1965	100·9 1959	37·0 1965	14·4 1954	115·8 1957	35·2 1965	10·6 1950	41·0 1961	33·0 1965	9·2 1965	80·1 1962	1950	1950	Sironcha
																				Coastal Andhra Pradesh
38·9 1911	21·5 1963	205·7 1956	36·7 1923	21·4 1962	192·5 1912	36·7 1920	20·9 1961	310·6 1911	35·6 1965	18·3 1952	264·2 1962	33·9 1914	13·3 1926	280·4 1923	31·7 1951	12·2 1937	221·7 1909	1911	1906	Kalingapatam
39·2 1965	21·3 1960	145·0 1951	38·2 1960	21·1 1907	121·4 1957	37·8 1939	22·2 1953	148·6 1914	37·2 1965	17·8 1952	293·3 1958	33·9 1942	15·0 1929	270·5 1923	32·8 1951	12.8 1959	191·3 1909	1896	1901	Visha apatnam.
41·7 1897	21·1 1938	127·0 1947	37·8 1902	21·7 1955	146·1 1937	37·2 1920	21·7 1958	285·7 1956	37·2 1907	17·2 1949	281·9 1936	33·9 1951	15·6 1910	276·3 1923	32·7 1965	13·9 1902	130·3 1882	1896	1881	Kakinada.
36·4 1962	21·9 1959	119·0 1961	35·6 1965	22·4 1957	66·5 1957	35·1 1965	21·5 1964	64·0 1961	36·5 1957	20·6 1964	146·3 1960	33·5 1963	51·5 1964	47·5 1957	33·1 1960	12·9 1959	17·2 1960	1955	1955	Nidadavole.
40·6 1952	21·7 1956	87·6 1953	39·4 1950	21·7 1958	103·0 1958	38·3 1946	21·3 1958	227·0 1964	39·0 1965	16·7 1950	153·2 1945	36·1 1951	12·2 1950	71·6 1956	34·7 1963	10·0 1936	53·3 1952	1936	1936	Rentachintala.
39·4 1952	21·5 1957	99·6 1956	36·7 1952	22·0 1959	84.6 1964	36·7 1957	18·2 1957	143·3 1954	36·1 1951	18·3 1952	134·1 1956	35·0 1951	16·2 1960	46·0 1956	34·2 1965	15·0 1952	10·7 1961	1951	1951	Gannavaram.
37·3 1963	23·2 1963	60·6 1961	36·3 1962	22·6 1961	42·6 1961	36·7 1963	22·8 1963	82·0 1962	36·3 1962	20·6 1961	135·0 1961	34·2 1962	14·3 1961	76·4 1962	32·2 1961	10·6 1961	10·4 1962	1961	1961	Nagarjuna Konda.
41·7 1897	19·4 1893	124·6 1964	38·3 1920	21·7 1952	135·6 1886	37·8 1888	20·6 1895	117·0 1962	37·2 1888	18·9 1895	502·4 1949	34·4 1891	13·9 1934	355·6 1938	33·0 1965	14·4 1937	159·3 1947	1881	1881	Masulipatam.
40·0 1952	21·2 1957	80·3 1956	39·6 1965	21·7 1956	66·0 1949	38·9 1952	21·6 1964	232·7 1949	39·5 1965	18·3 1947	219·7 1944	35·3 1965	16.7 1955	258·3 1946	33·9 1951	15·1 1959	87·4 1952	1945	1945	Ongole.
42·2 1899	22·2 1943	95·3 1950	40·6 1899	21·7 1912	94·2 1965	41·7 1899	21·7 1945	133·6 1909	39·4 1900	18·9 1895	444·0 1950	36·7 1915	16·7 1939	356·9 1936	35·0 1909	14·4 1895	189·9 1902	1891	1891	Nellore.
																				Telangana
40·0 1950	20·2 1965	122·6 1965	37·4 1960	19·8 1965	89·4 1953	37·3 1958	18·0 1965	106·0 1959	38·4 1957	15·6 1954	84·6 1947	35·4 1963	11·1 1952	70·2 1961	34·1 1960	8·5 1959	3·1 1952	1947	1947	Ramgundam.
40·0 1904	14·4 1931	298·0 1958	37·8 1899	17·2 1901	157·7 1944	37·2 1920	17·2 1903	251·5 1929	38·9 1951	11·7 1921	146·1 1939	35·6 1926	7·2 1929	80·0 1936	35·0 1920	4·4 1897	49·8 1918	1891	1891	Nizamabad.
38·9 1920	17·8 1911	227·8 1903	37·2 1920	19·4 1905	190·5 1924	38·3 1920	19·4 1904	304·8 1908	37·8 1920	15·0 1952	136·4 1957	34·6 1965	9·4 1904	92·7 1916	33·9 1920	8·3 1902	42·4 1929	1901	1901	Hanam Konda.
36·0 1963	19·4 1965	116·1 1965	33·2 1960	19·2 1965	141·2 1955	35·6 1956	17·8 1954	125·1 1965	33·5 1963	15·0 1954	67·3 1957	30·7 1964	12·2 1964	82·5 1962	32·0 1963	12·7 1962	51·3 1962	1952	1952	Hakimpet (Aerodrome).
39·4 1952	21·7 1954	113·8 1965	36·8 1965	21·1 1952	119·0 1959	37·4 1965	21·2 1961	90·0 1962	38·0 1965	15·6 1952	93·0 1963	35·6 1965	12·2 1953	44·5 1956	34·6 1965	9·8 1961	40·0 1952	1952	1952	Bhadrachalam
37·2 1918	19·0 1965	110·4 1965	36·1 1950	19·4 1955	190·5 1954	36·1 1927	17·8 1942	153·2 1908	36·7 1896	12·2 1952	117·1 1903	33·9 1909	7·4 1964	95·5 1927	33·3 1930	7·2 1945	44·5 1918	1891	1896	Hyderabad (Begampet).
39·3 1952	20·5 1959	299·7 1954	37·8 1941	20·2 1961	107·2 1950	37·2 1957	20·6 1942	152·4 1947	38·5 1965	16·7 1952	130·8 1941	35·4 1965	11·7 1941	86·4 1946	34·0 1965	10·0 1945	23·4 1960	1941	1941	Khammam.
36·8 1957	19·4 1952	104·4 1956	34·4 1953	20·0 1956	78·4 1961	34·5 1965	19·4 1954	103·0 1964	35·8 1965	16·1 1952	68·6 1952	33·6 1965	11·3 1964	32·5 1958	33·4 1963	12·2 1956	44·5 1962	1952	1952	Mahbubnagar
																				Rayalaseema
38·3 1915	20·6 1903	132·1 1893	37·8 1899	20·6 1929	121·9 1955	37·8 1899	19·4 1892	200·1 1888	38·3 1898	13·9 1950	146·3 1916	36·1 1896	9·9 1964	80·5 1903	34·4 1929	6·7 1902	71·1 1906	1891	1886	Kurnool.
37·2 1963	20·8 1964	84·4 1960	36·7 1949	21·2 1957	77·5 1949	36·1 1957	19·4 1954	108·0 1959	36·5 1965	15·6 1950	78·5 1946	35·0 1959	11·8 1964	99·3 1948	33·2 1963	12·2 1951	31·4 1965	1946	1946	Anantapur.
40·6 1897	17·2 1943	103·9 1894	40·0 1899	19·4 1921	176·0 1910	39·4 1907	19·4 1920	173·5 1906	38·9 1922	16·7 1943	270·4 1958	36·1 1927	13·8 1964	104·7 1943	35·6 1930	10·6 1914	85·1 1883	1891	1881	Cuddapah.
36·0 1965	16·7 1952	100·1 1954	33·9 1951	17·2 1965	61·4 1958	33·9 1952	16·1 1949	88·7 1956	33·9 1965	15·0 1947	157·7 1954	31·1 1947	10·5 1964	53·8 1960	29·4 1951	10·6 1960	72·4 1946	1945	1945	Arogyavara
																				Madras State
41·1 1915	21·7 1947	116·3 1910	40·0 1918	20·6 1935	91 7 1950	38·9 1883	20·6 1884	100·3 1881	39·4 1920	16·7 1889	233·7 1888	34·4 1952	15·0 1901	236·2 1922	32·8 1909	13·9 1895	261·6 1901	1881	1881	Madras.
39·4 1951	21·9 1965	68·3 1954	38·9 1953	21·7 1957	92·2 1955	37·8 1952	22·2 1965	104·9 1956	37.1 1965	20·6 1952	142·5 1962	35·0 1951	16·7 1954	209·6 1960	31·7 1951	16·1 1949	144·4 1965	1949	1949	Madras (Minambakkam).
40·6 1902	20·5 1964	125·2 1910	39·4 1901	20·1 1965	106·2 1909	38·3 1908	20·0 1936	122·9 1921	37·8 1954	15·6 1911	170·9 1943	35·0 1952	13·9 1921	299·0 1930	33·9 1909	12·2 1950	152·9 1901	1901	1901	Vellore.
40·5 1965	22·2 1964	37·1 1961	37·4 1964	21·6 1964	85·0 1962	38·1 1963	21·7 1963	118·7 1964	37·2 1963	20·6 1965	112·6 1959	34·0 1962	17·2 1964	170·7 1959	32·3 1965	17·9 1962	118·6 1965	1959	1959	Tambaram (Aerodrome)
38·1 1965	19·7 1964	89·0 1960	37·6 1960	20·2 1962	112·9 1965	36·6 1961	19·2 1964	120·0 1960	36·0 1965	16·0 1965	88·7 1964	32·6 1965	13·0 1964	97·0 1964	32·3 1965	12·1 1965	31·0 1962	1959	1959	Tiruppattur.
37·5 1964	21·9 1964	63·5 1964	36·9 1965	21·4 1965	85·8 1965	37·6 1963	20·8 1965	80·3 1962	36·9 1965	20·4 1965	73·1 1964	34·9 1965	18·0 1964	40·6 1964	33·4 1965	15·6 1964	43·2 1963	1962	1962	Mettur Dam R.S.
40·6 1895	18·9 1911	100·8 1949	39·4 1923	20·6 1899	134·6 1892	38·3 1891	20·0 1899	135·6 1911	38·9 1899	18·9 1899	208·3 1895	35·0 1915	16·7 1901	309·7 1913	35·0 1895	11·1 1933	426·5 1931	1891	1891	Cuddalore.
40·0 1952	21·4 1964	108·7 1955	38·4 1959	20·1 1965	76·2 1964	38·4 1957	19·9 1962	118·0 1961	37·3 1965	18·9 1950	113·0 1956	36·7 1948	16·1 1954	260·9 1959	33·3 1950	16·1 1954	92·6 1963	1948	1948	Kallakkurichchi.

*Station closed from June 1964.

Sub-Division & Station	January X	January N	January R	February X	February N	February R	March X	March N	March R	April X	April N	April R	May X	May N	May R	June X	June N	June R
Madras State (*contd.*)																		
Salem	37·2 1925	12·8 1907	65·8 1943	39·4 1926	11·1 1907	65·8 1893	41·7 1892	14·4 1934	80·8 1884	42·8 1908	18·3 1887	95·5 1929	42·8 1931	18·3 1893	103·6 1930	42·8 1921	20·0 1885	11 19
Coimbatore (Pilamedu)	35·9 1957	12·2 1949	21·3 1961	37·3 1959	13·0 1960	49·0 1950	38·7 1959	15·6 1949	17·0 1951	39·7 1961	18·3 1949	111·0 1958	39·4 1952	15·6 1949	69·3 1957	35·7 1939	18·3 1949	2 1
Coimbatore	35·0 1887	11·7 1912	141·5 1900	36·7 1899	12·8 1910	64·8 1922	39·3 1959	15·6 1930	83·8 1915	40·0 1906	17·8 1899	54·9 1954	39·4 1952	16·7 1962	85·6 1930	38·3 1895	18·3 1893	13 1
Nagapattinam	31·7 1899	16·1 1912	245·1 1923	35·6 1898	15·6 1884	125·0 1938	40·0 1953	16·7 1894	126·5 1923	41·7 1908	20·0 1894	151·1 1931	42·8 1898	20·6 1901	164·1 1930	41·7 1884	20·6 1882	7 1
Tiruchchirappalli	35·6 1925	14·4 1884	114.8 1909	40·0 1906	13·9 1884	137·9 1891	[illegible] 1892	15·6 1896	80·8 1906	42·8 1896	18·3 1937	160·5 1889	43·3 1896	19·4 1955	183·1 1930	43·9 1888	20·0 1911	7 1
Vedaranniyam	30·8 1965	18·7 1964	65·0 1961	36·2 1934	19·4 1963	20·2 1965	36·4 1965	20·1 1965	154·1 1963	36·6 1964	22·7 1965	54·5 1965	39·5 1962	22·4 1964	26·6 1964	38·1 1963	20·9 1961	12 19
Atirampattinam	32·2 1964	17·6 1962	83·2 1961	34·0 1964	18·8 1963	15·4 1965	35·4 1962	19·4 1965	10·6 1964	35·6 1961	22·0 1962	67·2 1962	40·0 1962	22·4 1965	46·2 1963	38·0 1963	23·0 1962	51 19
Madurai	34·4 1936	15·6 1907	152·4 1921	38·3 1906	16·1 1884	188·0 1929	41·7 1882	17·2 1909	100·3 1947	41·7 1936	19·4 1909	166·4 1891	41·8 1964	17·8 1920	102·4 1961	42·2 1935	17·8 1897	105 19
Madurai Aerodrome	33·3 1959	16·9 1964	54·6 1962	36·1 1959	16·5 1960	6·8 1959	38·0 1959	18·6 1959	62·8 1963	40·0 1964	22·2 1963	51·4 1960	40·3 1964	21·2 1961	66·4 1961	39·1 1960	22·8 1962	56 19
Tondi	31·8 1960	18·9 1962	81·0 1961	32·5 1961	18·6 1960	35·0 1965	33·0 1962	21·0 1965	62·7 1963	34·1 1962	22·5 1961	28·6 1960	39·2 1961	22·7 1962	48·0 1962	39·2 1964	22·0 1963	57 19
Pamban	33·3 1902	20·0 1956	127·5 1902	33·3 1906	19·4 1939	88·9 1902	35·0 1953	20·6 1959	63·0 1938	37·2 1930	20·6 1949	81·3 1954	36·7 1923	21·1 1891	102·6 1930	37·2 1913	20·6 1897	55 19
Tuticorin	33·3 1955	18·3 1965	90·0 1961	35·8 1965	18·3 1956	41·2 1959	34·8 1961	20·8 1965	62·2 1957	38·3 1956	22·1 1965	126·0 1961	41·1 1956	21·6 1962	41·3 1958	39·3 1965	21·7 1960	11 19
Palayankottai	34·4 1953	18·5 1957	292·8 1963	36·2 1957	19·2 1961	61·0 1962	41·7 1953	19·4 1951	83·3 1954	41·7 1956	22·2 1961	74·9 1947	42·2 1953	21·4 1962	83·6 1959	44·9 1965	20·4 1960	26 19
Kanniyakumari	33·5 1962	21·4 1963	53·7 1961	33·5 1965	21·5 1965	27·0 1961	34·6 1963	22·4 1965	55·0 1961	35·3 1964	21·6 1961	59·0 1962	37·0 1964	22·2 1961	53·0 1962	35·4 1965	21·6 1963	49 19
Coastal Mysore																		
Karwar	36·1 1954	13·6 1962	12·2 1965	38·1 1962	14·0 1961	0 ..	37·6 1963	15·8 1962	16·8 1954	38·9 1956	20·6 1965	41·4 1963	36·4 1964	21·3 1962	181·2 1962	34·0 1952	20·6 1958	214 19
Honavar	36·5 1961	15·2 1964	18·5 1943	37·2 1943	14·2 1960	1·5 1947	37·8 1948	17·8 1940	19·8 1954	35·0 1956	20·6 1951	62·0 1956	35·0 1950	20·6 1943	238·5 1955	34·7 1963	21·1 1964	292 19
Mangalore (Bajpe)	36·6 1957	17·0 1964	4·6 1963	37·6 1965	17·8 1965	0 ..	37·7 1958	20·1 1957	48·5 1963	36·6 1964	21·6 1961	43·2 1959	36·2 1964	20·6 1959	155·7 1961	34·3 1963	20·8 1958	251 19
Mangalore	36·3 1961	16·7 1911	40·6 1943	37·8 1920	16·7 1911	73·1 1962	37·3 1958	18·3 1911	82·8 1946	36·1 1916	20·0 1954	117·1 1939	36·7 1921	18·9 1911	360·9 1909	34·4 1923	20·0 1920	252· 18
Interior Mysore North																		
Bidar	33·9 1930	3·9 1901	51·3 1906	37·2 1926	9·4 1950	29·2 1928	41·7 1910	12·8 1925	44·2 1960	42·2 1960	12·2 1918	110·5 1907	43·3 1931	6·7 1918	86·9 1943	42·8 1953	10·0 1918	184· 19
Gulbarga	36·1 1897	6·7 1937	42·4 1922	38·3 1903	10·6 1949	57·1 1929	42·8 1892	12·8 1910	76·0 1960	43·9 1923	13·3 1902	79·3 1907	45·0 1912	18·3 1892	124·7 1952	45·0 1923	12·7 1910	144· 19
Bijapur	39·4 1948	7·2 1945	89·1 1922	41·1 1943	8·9 1930	23·6 1928	41·1 1910	13·3 1910	39·9 1938	42·6 1964	16·1 1905	66·0 1933	43·3 1912	17·8 1940	90·2 1956	42·2 1923	71·2 1903	89· 19
Raichur	35·6 1897	10·0 1899	49·8 1926	38·3 1897	12·8 1929	49·3 1923	42·8 1892	16·7 1936	37·0 1963	43·3 1927	16·1 1936	95·8 1901	45·6 1928	18·3 1927	87·9 1952	43·3 1898	16·1 1896	118· 19
Belgaum	32·6 1959	8·1 1962	3·9 1965	36·3 1961	9·3 1961	24·9 1956	38·2 1959	10·0 1957	50·2 1964	39·5 1957	12·8 1955	69·1 1956	38·6 1959	17·7 1960	129·5 1955	36·4 1964	17·7 1958	132· 19
Belgaum (Samra)	32·8 1956	10·6 1956	3·6 1963	36·0 1957	10·3 1961	15·5 1956	38·3 1953	9·4 1957	32·8 1960	40·0 1956	14·4 1955	50·6 1962	39·4 1953	17·2 1955	69·4 1962	38·3 1953	18·3 1956	94· 19
Gadag	34·5 1960	11·1 1951	21·1 1935	37·7 1961	11·1 1950	23·1 1963	40·0 1953	14·9 1965	61·7 1948	41·1 1941	17·2 1935	65·8 1963	41·7 1939	18·9 1952	81·8 1943	40·6 1953	18·7 1965	100· 19
Interior Mysore South																		
Bellary	36·7 1897	10·6 1891	46·2 1884	39·4 1897	12·2 1891	59·9 1917	42·8 1892	14·4 1885	26·7 1930	43·9 1909	16·1 1905	77·0 1956	43·9 1897	18·3 1890	162·3 1940	42·2 1915	18·9 1956	85· 19
Chitradurga	33·9 1900	11·1 1918	104·1 1918	36·1 1931	13·3 1947	88·9 1944	38·9 1925	16·1 1955	17·8 1915	39·4 1941	17·2 1904	105·7 1956	41·7 1931	16·7 1951	18·6 1955	37·8 1935	17·2 1906	118· 18
Shimoga	33·9 1964	9·0 1964	24·6 1965	37·8 1959	10·4 1960	3·2 1962	38·9 1953	11·7 1951	32·2 1963	38·7 1962	15·6 1962	114·5 1956	39·2 1959	18·3 1954	89·4 1957	36·1 1953	18·3 1956	114· 19
Agumbe	30·4 1964	6·2 1964	0 ..	33·0 1962	7·6 1963	0·4 1963	34·2 1964	10·7 1964	110·0 1963	34·8 1964	14·4 1965	18·0 1962	33·4 1963	16·2 1965	116·0 1963	30·6 1964	17·4 1963	514· 19
Balehonnur	32·8 1953	10·0 1946	8·4 1947	34·4 1964	11·1 1940	32·3 1952	37·0 1964	12·2 1940	58·7 1936	36·1 1964	13·9 1952	102·6 1956	35·6 1959	12·5 1965	218·4 1955	32·8 1953	15·6 1943	172· 19
Hassan	32·2 1955	7·8 1899	59·7 1921	35·0 1906	8·3 1898	50·3 1941	36·7 1934	9·4 1898	57·9 1954	37·2 1942	14·4 1905	72·9 1899	37·8 1906	14·4 1923	143·8 1903	34·6 1964	16·1 1964	94· 19
Bangalore	32·2 1925	7·8 1884	65·8 1908	34·4 1926	9·4 1884	67·3 1901	37·2 1925	11·1 1884	50·8 1911	38·3 1931	14·4 1894	90·7 1939	38·9 1931	16·7 1945	153·9 1909	37·8 1926	16·7 1890	101· 18
Bangalore Aerodrome	31·2 1959	10·2 1964	13·0 1958	34·4 1959	11·0 1965	28·5 1950	36·6 1959	11·7 1950	18·5 1954	38·3 1960	17·0 1963	58·9 1953	37·1 1960	16·7 1949	68·6 1962	35·6 1953	16·7 1950	70· 19
Mysore	32·8 1936	11·1 1953	26·4 1926	36·1 1931	12·2 1946	59·4 1917	37·8 1931	13·3 1933	47·5 1923	39·4 1917	16·1 1918	133·3 1921	37·8 1936	15·6 1904	184·4 1957	37·2 1926	15·0 1936	68· 19
Kerala																		
Calicut	35·6 1952	17·2 1913	104·4 1909	35·6 1952	16·1 1925	150·1 1945	35·0 1954	19·4 1896	83·6 1933	35·6 1952	21·1 1938	143·3 1899	37·2 1920	20·0 1937	268·5 1932	34·3 1962	20·6 1956	250· 19
Palghat	36·4 1958	15·6 1946	31·5 1948	38·9 1959	18·4 1965	29·7 1952	41·4 1959	20·0 1943	78·7 1948	41·7 1950	20·4 1959	90·4 1954	40·8 1959	20·6 1955	236·2 1957	35·6 1948	20·6 1956	108· 19
Fort Cochin	33·6 1962	17·8 1929	133·3 1921	34·9 1960	19·4 1932	105·4 1899	34·4 1959	21·1 1954	125·8 1960	34·4 1962	21·4 1965	160·5 1956	34·6 1959	21·1 1939	253·2 1933	32·7 1958	20·6 1935	185· 19
Cochin (Naval Air Station)	34·3 1962	18·5 1964	55·4 1965	34·5 1960	19·0 1963	73·7 1956	34·8 1961	21·6 1959	66·8 1960	34·7 ·1	21·1 1962	177·0 1956	34·6 1959	22·2 1958	205·1 1965	32·8 1958	21·0 1962	170· 19

July			August			September			October			November			December			Based on data from		Sub-Division & Station
X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	Temperature	Rainfall	
																				Madras State -(*contd.*)
40·6 1923	18·9 1887	125·5 1952	38·9 1885	19·4 1909	176·3 1939	38·9 1991	18·9 1887	250·2 1885	37·8 1918	15·6 1911	165·6 1916	35·6 1948	12·8 1901	121·9 1882	35·6 1926	12·8 1945	131·3 1884	1881	1881	Salem.
33·8 1965	16·1 1949	98·9 1964	33·6 1962	16·1 1949	52·1 1950	35·6 1955	16·7 1948	116·8 1950	35·5 1965	16·1 1948	76·2 1964	33·5 1965	14·1 1964	85·5 1960	32·2 1950	12·8 1951	92·4 1963	1948	1948	Coimbatore (Pilameolu)
35·6 1898	16·7 1911	103·6 1924	35·6 1889	17·2 1921	60·8 1964	35·8 1959	17·8 1954	75·7 1912	36·1 1918	15·0 1911	107.4 1891	34·4 1892	13·9 1901	104·7 1957	35·0 1899	12·2 1883	109·7 1930	1881	1881	Coimbatore.
41·7 1898	21·7 1936	113·0 1916	40·6 1898	20·0 1963	125·7 1900	37·8 1907	20·6 1897	78·7 1921	37·6 1965	20·6 1891	396·2 1930	35·0 1948	16·7 1951	365·5 1918	33·9 1909	16·7 1886	402·6 1963	1881	1881	Nagapattnam.
41·1 1921	21·1 1926	94·7 1916	40·6 1888	20·6 1935	109·7 1944	40·6 1929	20·6 1908	117·9 1963	38·9 1906	18·9 1891	319·0 1930	36·7 1923	16·7 1884	298·2 1939	35·6 1926	14·4 1883	135·6 1931	1881	1881	Tiruchchirappalli
39·6 1965	22·1 1962	33·2 1961	37·7 1963	20·6 1965	56·4 1964	37·0 1963	20·2 1961	41·2 1963	36·0 1964	20·7 1961	157·2 1963	34·2 1965	17·0 1964	79·0 1962	31·6 1965	19·2 1964	209·2 1963	1961	1961	Vedarannivam.
38·0 1963	22·5 1964	92·4 1964	37·2 1963	21·4 1964	56·4 1964	36·6 1965	22·3 1962	41·0 1964	35·4 1961	21·8 1961	86·0 1962	33·0 1965	19·4 1964	108·0 1964	32·0 1962	18·6 1964	222·6 1963	1961	1961	Atirampattinam
40·6 1884	19·4 1891	124·5 1893	40·0 1891	20·6 1912	112·3 1910	39·4 1928	20·0 1908	154·2 1946	38·3 1934	18·9 1911	128·8 1909	36·1 1948	17·2 1909	169·7 1921	35·0 1951	16·7 1920	229·0 1964	1881	1881	Madurai.
38·4 1960	21·7 1960	72·2 1964	38·7 1959	21·6 1965	69·2 1965	37·2 1959	22·2 1962	57·6 1964	37·3 1959	21·0 1961	79·0 1964	34·0 1965	19·7 1962	76·3 1959	32·6 1965	17·5 1963	97·0 1964	1959	1959	Madurai Aerodrome.
38·9 1965	22·1 1960	89·6 1964	37·4 1962	22·4 1964	39·0 1963	38·2 1960	21·4 1965	77·0 1962	37·0 1960	22·0 1961	99·4 1961	33·6 1964	20·6 1956	63·0 1961	32·4 1965	19·6 1964	111·6 1965	1960	1960	Tondi.
35·4 1964	20·7 1959	130·8 1916	35·1 1963	22·2 1954	73·9 1937	35·0 1940	20·6 1930	108·5 1901	35·0 1940	21·1 1891	133·6 1932	33·4 1965	21·6 1957	137·7 1896	33·9 1906	18·9 1953	218·7 1955	1891	1891	Pamban.
37·9 1958	21·3 1964	66·1 1964	37·8 1957	21·2 1959	22·6 1962	38·0 1965	22·9 1965	24·6 1965	37·6 1959	21·3 1965	167·4 1957	34·4 1955	19·7 1959	135·6 1956	31·7 1955	18·4 1964	188·2 1955	1954	1954	Tuticorin.
38·8 1965	19·3 1960	34·3 1949	38·9 1953	22·4 1959	57·0 1958	40·0 1952	22·8 1954	40·6 1946	38·8 1960	21·2 1961	101·0 1965	36·4 1959	21·0 1961	95·7 1960	35·6 1952	19·8 1964	84·6 1963	1950	1945	Palayankottai.
34·1 1963	21·5 1964	41·8 1961	33·9 1965	21·7 1964	99·0 1963	34·1 1964	21·8 1962	23·0 1962	34·2 1963	22·5 1962	105·4 1962	32·6 1963	21·5 1963	124·0 1963	33·0 1964	19·6 1965	75·2 1965	1961	1961	Kanniyakumari.
																				Coastal Mysore
31·4 1960	21·1 1953	223·6 1961	30·6 1965	21·7 1955	136·7 1955	30·6 1955	21·1 1954	128·4 1960	35·9 1960	18·3 1952	175·3 1954	36·3 1962	15·6 1952	71·6 1955	36·0 1960	14·4 1956	55·8 1965	1952	1952	Karwar.
33·7 1964	20·6 1963	270·0 1959	31·8 1957	19·4 1955	160·3 1962	32·2 1951	20·4 1963	127·5 1954	35·6 1941	18·3 1950	132·1 1944	36·7 1941	15·6 1950	65·8 1957	37·2 1949	16·1 1945	100·3 1965	1939	1939	Honavar.
30·5 1964	20·9 1965	231·2 1959	30·0 1960	20·9 1957	146·2 1962	31·6 1965	20·9 1961	95·5 1959	34·2 1965	20·9 1960	113·8 1963	35·4 1965	16·1 1964	72·2 1960	35·6 1965	16·3 1960	142·6 1965	1957	1957	Mangalore (Bajpe).
15·6 1959	20·6 1931	268·2 1900	32·2 1932	19·4 1963	232·4 1931	31·7 1955	21·1 1950	184·7 1900	35·0 1963	19·6 1961	181·6 1913	35·6 1941	18·3 1950	112·1 1958	35·0 1928	16·7 1950	153·6 1965	1911	1881	Mangalore.
																				Interior Mysore North
36·1 1924	11·1 1900	245·9 1955	36·1 1924	9·4 1900	144·3 1947	36·7 1924	8·9 1918	203·2 1949	36·7 1901	8·3 1900	128·3 1903	36·1 1918	6·1 1900	138·4 1896	32·8 1923	2·8 1918	81·8 1906	1896	1896	Bidar.
38·3 1918	17·2 1920	108·5 1897	37·8 1899	18·3 1920	100·3 1910	37·2 1926	17·8 1954	147·3 1928	38·2 1965	10·0 1905	147·3 1893	35·6 1940	7·8 1945	64·8 1948	34·4 1920	5·6 1945	66·5 1906	1891	1891	Gulbarga.
36·1 1901	16·1 1902	176·0 1964	35·6 1902	16·7 1906	121·2 1954	36·7 1896	16·1 1901	143·8 1949	37·3 1965	12·2 1897	117·0 1964	35·0 1896	8·3 1904	113·0 1922	34·4 1959	6·7 1897	34·5 1942	1896	1896	Bijapur.
38·3 1915	17·8 1899	137·2 1959	37·8 1915	17·2 1908	107·7 1914	38·3 1897	17·2 1924	153·0 1964	37·6 1965	15·6 1943	158·7 1916	35·0 1920	11·7 1924	87·6 1919	36·1 1899	10·0 1945	52·1 1903	1891	1896	Raichur.
32·0 1960	17·8 1955	162·6 1958	29·9 1958	15·7 1957	110·0 1956	32·6 1965	16·3 1957	74·8 1959	35·0 1965	14·2 1962	101·6 1957	34·6 1965	9·3 1964	44·2 1957	34·6 1960	8·9 1956	30·2 1965	1955	1955	Belgaum.
31·9 1960	18·3 1956	112·0 1958	30·0 1965	15·6 1956	86·4 1956	32·0 1965	16·0 1957	59·8 1959	33·4 1965	13·9 1954	91·4 1957	32·8 1965	9·0 1964	66·9 1962	32·6 1963	7·8 1954	33·2 1965	1952	1952	Belgaum (Samra)
34·9 1960	18·9 1934	54·4 1932	34·4 1948	18·3 1965	80·0 1957	37·8 1951	17·2 1952	136·4 1960	35·6 1965	15·6 1950	171·5 1947	37·2 1947	12·2 1939	82·0 1959	34·1 1959	11·7 1948	56·4 1933	1931	1931	Gadag
38·3 1915	19·4 1930	102·9 1953	37·8 1883	19·4 1933	105·7 1950	37·8 1913	19·4 1919	127·5 1956	38·9 1896	15·0 1889	111·3 1904	37·6 1957	11·4 1964	162·1 1903	35·6 1913	10·6 1926	65·0 1962	1881	1881	Bellary
34·4 1932	17·8 1943	114·8 1910	32·8 1932	17·8 1935	109·2 1939	35·0 1905	15·0 1910	95·5 1933	35·0 1965	15·6 1943	132·1 1930	32·8 1931	8·3 1945	87·4 1925	32·8 1930	8·3 1945	109·2 1933	1896	1896	Chitradurga
32·4 1960	16·6 1963	111·0 1953	31·1 1965	16·1 1954	68·6 1964	33·3 1951	16·1 1952	45·7 1950	33·9 1965	11·7 1952	105·6 1960	33·6 1965	8·1 1964	55·1 1956	32·2 1963	8·9 1951	43·4 1952	1950	1950	Shimoga
28·4 1964	17·4 1965	618·0 1963	26·6 1965	16·2 1962	195·4 1962	28·6 1965	15·2 1963	132·0 1962	30·4 1965	14·8 1963	91·0 1962	30·6 1965	9·0 1964	26·0 1962	30·8 1963	8·6 1963	91·0 1962	1962	1962	Agumbe
29·1 1960	13·9 1955	219·2 1953	29·4 1947	16·1 1951	179·8 1949	30·6 1965	13·3 1935	83·3 1955	31·7 1965	12·8 1952	111·8 1960	30·6 1965	9·8 1964	99·3 1948	30·0 1945	8·3 1937	56·9 1937	1931	1931	Balehonnur
31·1 1905	15·0 1918	82·3 1929	31·1 1932	15·6 1925	79·8 1897	32·2 1905	13·9 1906	104·0 1959	33·3 1965	11·7 1897	163·2 1958	31·1 1927	8·3 1904	115·8 1925	31·1 1926	6·7 1907	80·8 1906	1896	1896	Hassan
33·3 1914	16·1 1882	111·4 1964	33·3 1899	14·4 1882	162·1 1890	33·3 1951	15·0 1883	124·7 1912	32·2 1934	13·3 1889	116·8 1935	31·1 1923	10·6 1889	114·5 1916	31·1 1926	8·9 1883	67·3 1941	1881	1881	Bangalore
32·3 1960	16·1 1953	66·3 1952	31·5 1965	15·0 1948	79·6 1960	32·8 1951	15·6 1954	95·8 1958	32·5 1965	14·4 1950	169·2 1953	31·7 1953	11·2 1964	83·6 1950	30·1 1957	10·4 1960	25·3 1965	1948	1948	Bangalore Aerodrome
33·3 1899	15·8 1961	71·6 1918	33·9 1899	16·7 1928	95·3 1910	33·3 1936	13·4 1959	129·3 1940	32·8 1905	13·9 1917	112·7 1963	32·2 1918	11·1 1901	105·2 1915	31·7 1923	10·6 1945	78·5 1952	1896	1896	Mysore
																				Kerala
32·2 1931	20·7 1965	264·2 1922	32·2 1953	20·6 1950	204·5 1924	33·9 1952	21·1 1954	179·1 1955	34·4 1897	20·0 1917	204·0 1962	34·4 1929	16·1 1901	192·3 1925	34·8 1957	16·1 1895	115·1 1942	1891	1881	Calicut
32·6 1960	19·0 1965	157·4 1964	31·7 1947	20·2 1964	109·5 1956	35·6 1955	20·6 1954	94·0 1962	36·2 1965	20·6 1954	107·4 1964	35·6 1952	17·2 1954	65·8 1948	34·5 1958	16·7 1945	89·7 1946	1943	1943	Palghat
32·1 1961	21·1 1943	213·9 1910	32·2 1929	20·7 1964	155·7 1947	31·4 1965	21·1 1950	111·8 1936	32·4 1965	21·1 1943	236·2 1884	32·8 1953	19·4 1944	121·4 1920	34·4 1961	19·4 1945	154·7 1946	1926	1881	Fort Cochin.
32·2 1960	153·0 1964	153·0 1964	30·8 1964	21·2 1964	143·3 1960	31·4 1963	21·6 1961	93·1 1964	34·1 1957	21·9 1963	138·2 1957	33·3 1965	20·9 1964	69·9 1957	34·2 1957	18·8 1959	50·6 1959	1956	1956	Cochin (Naval Air Station).

Sub-Division & Station	January			February			March			April			May			June		
	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R
Kerala—*contd.*																		
Alleppey	35·8 1965	18·3 1957	38·1 1951	36·6 1963	18·7 1963	65·2 1959	36·7 1949	21.1 1955	69·9 1947	36·0 1961	21·1 1948	274·3 1950	35·6 1959	20·6 1955	160·0 1957	34·4 1948	21·1 1956	227·3 1948
Punalur	36·6 1959	15·7 1957	44·5 1958	37·8 1959	15·8 1959	37·2 1962	39·3 1959	17·9 1957	75·6 1964	38·5 1965	20·2 1957	81·4 1963	37·1 1957	21·3 1959	120·2 1961	34·7 1964	21·0 1965	165·0 1961
Trivandrum	35·5 1959	18·9 1950	63·7 1962	35·0 1955	18·9 1946	108·2 1962	36·2 1959	20·6 1956	80·0 1946	35·3 1960	20·3 1962	129·8 1937	35·2 1957	21·1 1965	277·9 1926	34·4 1953	20·0 1956	154·7 1944
Trivandrum Aerodrome	33·9 1953	17·7 1962	60·8 1961	33·5 1964	18·3 1956	83·2 1959	35·0 1956	20·0 1965	43·2 1958	34·4 1956	20·7 1965	82·3 1956	34·5 1959	21·1 1965	100·8 1960	32·9 1959	21·1 1956	146·4 1961
Arabian Sea Islands																		
Amini	36·7 1950	18·9 1912	74·2 1918	35·7 1959	19·4 1923	27·4 1953	37·2 1950	20·6 1950	32·0 1923	37·7 1960	20·0 1923	121·9 1901	37·5 1959	21·7 1941	161·0 1933	35·9 1958	21·1 1930	211·1 1909
*Agathi	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	30·6 1965	23·4 1965	83·8 1965
†Androch	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	32·5 1965	23·0 1965	49·2 1965
Minicoy	32·8 1948	17·8 1953	126·2 1926	32·2 1948	17·2 1946	83·0 1961	33·4 1964	19·4 1955	54·6 1936	35·6 1942	21·1 1951	121·2 1950	36·7 1932	21.7 1956	213·1 1949	33·9 1935	21·5 1962	148.6 1926
Hill Stations excluding Kashmir																		
Dalhousie	21·7 1952	—0·5 1964	134·6 1950	29·4 1953	—8·0 1963	134·6 1949	30·7 1959	—0·6 1958	149·6 1959	29·8 1959	1·0 1965	112·3 1951	33·3 1952	5·0 1965	90·0 1964	35·5 1960	8·9 1952	182·0 1964
Dharmsala	21·7 1962	—0·5 1960	76·4 1959	25·0 1953	—1·6 1961	87·8 1959	28·4 1964	3·4 1960	73·2 1963	33·8 1958	7·3 1960	52·8 1957	36·7 1962	11·1 1951	86·6 1964	38·3 1958	14·5 1957	88·2 1959
Bhuntar	21·9 1965	—1·0 1965	44·9 1965	22·3 1965	0·5 1965	32·4 1965	27·2 1965	1·6 1965	44·7 1965	32·0 1964	5·3 1964	29·0 1964	34·2 1964	7·4 1964	44·4 1965	37·0 1965	10·3 1965	33·0 1964
Simla	18·9 1949	—10·6 1945	78·7 1888	20·6 1953	—8·3 1950	63·5 1908	24·5 1964	—5·6 1933	63·0 1901	28·3 1941	—1·1 1905	39·6 1890	30·0 1944	4·4 1924	97·8 1883	30·6 1932	7·8 1922	122·2 1906
Dharmpur	.. ..	.. ..	105·2 1961	.. ..	.. ..	111·0 1961	.. ..	.. ..	104·1 1955	.. ..	.. ..	78·7 1957	.. ..	.. ..	56·9 1957	.. ..	.. ..	91·4 1953
Lokpal	—2·4 1965	—16·1 1955	77·5 1955	0·3 1960	—13·9 1957	75·0 1959	0·9 1959	—12·2 1965	60·4 1963	3·4 1961	—11·1 1957	60·2 1965	10·0 1956	—9·8 1965	38·6 1957	11·7 1960	—4·4 1965	37·0 1960
Badrinath	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	22·0 1960	6·1 1960	20·0 1958
Joshimath	18·2 1961	—4·4 1960	57·0 1961	21·1 1962	—3·9 1961	65·6 1964	27·7 1964	—3·5 1960	52·6 1962	28·1 1964	2·6 1965	28·0 1965	31·1 1960	6·9 1965	23·2 1965	32·5 1965	11·3 1962	80·0 1964
Mussoorie	21·1 1949	—5·0 1935	90·9 1943	23·3 1953	—2·6 1965	82·0 1949	26·1 1945	—2·5 1960	62·0 1944	28·9 1956	—1·5 1965	47·0 1965	34·4 1949	4·6 1964	50·0 1943	31·7 1935	4·1 1962	139·9 1936
Mukteswar (Kumaun)	19·4 1910	—6·1 1953	81·3 1945	23·9 1953	—7·8 1905	76·5 1905	25·1 1964	—3·3 1907	67·8 1914	27·8 1956	—1·7 1937	49·0 1919	29·4 1956	3·3 1920	71·4 1916	30·2 1961	6·7 1903	220·7 1921
Nainital	18·4 1958	—5·6 1953	77·5 1953	21·7 1953	—3·9 1961	72·0 1961	23·4 1964	—1·7 1960	70·0 1962	28·0 1964	0 1965	35·6 1953	27·8 1956	6·7 1964	208·3 1956	28·3 1953	11·1 1957	141·2 1956
Kalimpong	26·2 1961	0·6 1945	40·6 1957	26·2 1961	3·3 1945	45·0 1940	27·8 1923	3·8 1965	50·8 1962	30·6 1939	7·9 1965	69·6 1948	30·9 1960	10·0 1955	122·4 1938	31·1 1960	13·1 1964	302·0 1950
Darjeeling	18·9 1952	—3·9 1953	134·6 1957	17·2 1955	—5·0 1905	42·9 1940	23·3 1935	—0·6 1908	72·9 1951	26·7 1910	1·1 1933	135·1 1916	25·7 1964	5·6 1939	232·9 1887	26·7 1902	8·3 1938	454·1 1950
Kohima	20·3 1965	4·3 1962	21·6 1957	23·6 1964	3·8 1959	29·4 1965	29·1 1959	6·7 1965	36·1 1953	32·2 1956	8·9 1965	33·6 1955	33·9 1959	12·1 1963	74·9 1956	29·5 1959	15·0 1953	105·9 1957
Shillong	21·1 1944	—2·8 1964	52·3 1957	24·4 1952	—2·8 1950	41·1 1914	28·9 1924	—0·6 1906	189·5 1929	30·0 1954	6·6 1965	117·9 1932	30·7 1960	5·6 1941	169·7 1914	29·1 1958	11·7 1930	415·3 1934
Cherrapunji	26·7 1913	1913	85·3 1929	28·9 1913	0·6 1950	91·9 1907	30·6 1913	0·6 1912	306·1 1910	28·3 1938	3·9 1911	462·3 1922	30·2 1962	3·3 1917	812·0 1916	29·2 1962	9·2 1963	973.8 1956
Abu	26·5 1965	—1·1 1929	37·9 1888	30·6 1953	0 1950	40·6 1906	33·3 1892	3·9 1945	27·2 1927	36·9 1958	10·0 1926	27·4 1959	38·7 1962	11·1 1892	92·7 1917	38·3 1897	13·9 1940	343·1 1945
Aijal	25·0 1954	3·9 1945	42·4 1945	27·8 1960	3·9 1950	37·6 1959	32·1 1963	5·6 1947	102·9 1959	33·3 1938	9·4 1963	76·2 1951	33·1 1960	10·0 1961	131·8 1958	31·1 1938	9·4 1944	172·2 1962
Pachmarhi	27·8 1946	—1·1 1935	94·2 1957	31·7 1953	—0·6 1929	52·1 1928	36·1 1892	3·3 1906	55·1 1936	40·0 1942	8·9 1905	38·6 1935	40·6 1954	15·0 1933	35·3 1933	40·6 1889	15·6 1931	204·0 1964
Mahabaleshwar	28·9 1938	6·1 1945	22·1 1943	31·4 1961	3·9 1942	29·0 1938	33·9 1953	9·4 1960	34·2 1962	36·1 1934	11·1 1955	95·0 1937	35·3 1961	13·9 1955	62·2 1930	32·2 1953	12·8 1943	362·7 1961
Mercara	31·7 1954	9·0 1965	30·0 1906	31·7 1911	8·9 1936	31·7 1950	33·3 1921	10·6 1955	55·4 1928	33·9 1896	10·6 1955	87·6 1915	35·0 1902	9·4 1955	174·0 1909	30·0 1939	10·0 1955	266·4 1961
Ootacamund	26·7 1964	—1·7 1921	114·8 1909	26·7 1945	0 1953	51·6 1917	25·6 1964	1·1 1948	96·2 1958	27·2 1942	5·0 1959	84·1 1947	26·7 1941	4·4 1917	184·4 1955	25·0 1944	5·0 1958	133·1 1941
Coonoor	25·6 1942	1·7 1946	196·6 1943	26·7 1945	2·8 1939	207·5 1936	26·7 1943	5·0 1949	157·5 1951	27·8 1956	8·9 1944	179·4 1960	29·4 1931	11·0 1959	193·0 1957	27·8 1953	9·4 1936	97·3 1939
Kodaikanal	24·4 1961	2·8 1950	194·8 1943	24·4 1914	4·0 1963	158·7 1925	26·7 1926	4·4 1955	106·7 1947	26·1 1925	8·2 1958	123·7 1955	27·8 1923	7·8 1955	131·1 1955	25·0 1915	5·0 1912	60·5 1947
Nepal																		
Katmandu	25·0 1946	—3·9 1964	45·9 1962	28·3 1922	—1·8 1964	30·7 1961	33·3 1938	0 1965	47·2 1943	37·2 1954	2·6 1965	43·4 1949	37·5 1957	6·7 1960	55·6 1956	37·8 1958	13·2 1958	108·5 1965
Sikkim																		
Lachen	18·9 1958	—9·7 1961	66·0 1957	18·9 1958	—8·3 1961	30·5 1959	18·9 1960	—6·7 1958	43·2 1956	20·6 1962	—5·6 1958	30·5 1955	21·5 1964	0·6 1958	63·4 1963	22·2 1961	5·0 1965	45·7 1952
Hydrometeorological Observatories																		
Damodar Catchment																		
Tilaiya	30·4 1958	3·3 1962	55·4 1957	33·6 1964	6·1 1964	27·0 1961	38·0 1958	10·1 1957	34·0 1960	41·7 1964	15·1 1965	21·8 1962	43·8 1962	19·6 1963	31·0 1964	43·7 1958	20·3 1961	161·8 1965
Hazaribagh	28·3 1964	—2·4 1962	39·1 1959	33·3 1964	4·1 1961	26·6 1961	35·9 1959	9·4 1965	15·0 1963	40·2 1961	11·4 1965	17·0 1965	42·0 1962	16·3 1964	31·2 1961	41·4 1965	18·9 1961	169·6 1961
Konar	26·4 1965	7·7 1965	11·3 1963	33·9 1964	9·9 1965	38·6 1961	36·7 1964	11·5 1965	13·8 1965	41·6 1964	14·6 1965	26·0 1963	44·5 1965	18·1 1965	43·4 1961	43·1 1965	20·6 1965	95·6 1964
Bokaro	31·8 1958	1·7 1965	49·5 1953	35·0 1952	2·2 1950	47·0 1961	41·1 1955	6·1 1965	30·5 1957	43·4 1961	11·9 1965	46·2 1951	45·1 1962	17·2 1951	45·7 1958	45·6 1958	21·1 1963	70·9 1950

*Started from 6-5-1965

†Started from 18-4-65

July			August			September			October			November			December			Based on data from:		Sub-Division & Station
X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	Temperature	Rain fall	
																				Kerala —*contd.*
31·7 1953	20·6 1950	150·6 1949	37·7 1949	21·1 1948	139·2 1947	32·2 1951	21·7 1961	215·0 1962	32·8 1946	21·1 1950	163·1 1945	34·4 1949	20·6 1954	132·3 1945	35·0 1951	17·8 1944	82·5 1947	1944	1944	Alleppey
32·9 1958	20·6 1965	108·4 1964	33·3 1965	21·2 1965	84·8 1963	34·3 1957	19·4 1957	87·4 1962	34·9 1959	18·3 1960	164·6 1960	34·5 1961	17·4 1957	129·2 1960	34·9 1964	16·6 1964	49·1 1957	1957	1957	Punalur.
32·4 1965	21·1 1959	151·6 1910	32·8 1953	20·6 1946	102·4 1932	33·3 1946	21·1 1950	125·5 1907	33·4 1965	21·1 1950	401·5 1964	34·3 1961	18·9 1944	162·8 1948	34·4 1955	18·9 1945	184·9 1965	1931	1889	Trivandrum.
32·2 1956	20·0 1959	135·2 1959	32·4 1960	21·1 1955	55·6 1958	32·8 1955	21·6 1962	116·8 1955	31·7 1957	21·7 1955	168·4 1964	33·3 1961	20·6 1954	114·8 1955	32·8 1957	18·3 1955	139·0 1965	1954	1954	Trivandrum Aerodrome.
																				Arabian Sea Islands
33·3 1945	21·7 1910	180·3 1907	33·3 1960	22·2 1925	241·8 1909	33·9 1940	21·7 1960	217·7 1915	36·1 1960	20·6 1928	135·4 1961	35·0 1949	18·3 1910	88·9 1932	35·1 1960	18·9 1908	119·4 1925	1896	1896	Amini.
29·5 1965	24·0 1965	59·6 1965	29·8 1965	23·6 1965	90·5 1965	29·6 1965	24·5 1965	25·1 1965	32·4 1965	26·5 1965	17·3 1965	32·0 1965	24·0 1965	26·4 1965	31·6 1965	0 ..	102·4 1965	1965	1965	*Agathi
31·6 1965	22·2 1965	58·0 1965	30·4 1965	22·3 1965	113·0 1965	30·8 1965	23·1 1965	15·8 1965	32·6 1965	23·7 1965	10·6 1965	32·0 1965	25·3 1965	59·2 1965	32·3 1965	21·6 1965	210·4 1965	1965	1965	†Androth
31·7 1953	21·1 1938	154·9 1929	31·7 1934	21·1 1934	200·7 1930	32·2 1937	21·1 1953	107·7 1916	33·3 1931	19·4 1945	142·6 1965	32·8 1961	17·2 1942	132·1 1907	32·2 1957	18·3 1955	224·9 1965	1896	1896	Minicoy.
																				Hill Stations excluding Kashmir
32·3 1954	8·4 1959	232·6 1957	27·0 1962	11·7 1957	243·2 1959	27·2 1951	8·0 1963	274·0 1959	27·9 1961	—2·2 1959	287·0 1955	25·7 1958	0·1 1960	97·8 1957	23·9 1952	—8·0 1962	174·2 1960	1947	1947	Dalhousie.
35·3 1957	15·8 1965	262·8 1959	29·5 1957	16·2 1957	316·9 1958	29·4 1965	11·2 1962	255·0 1955	29·9 1965	8·9 1961	196·9 1955	25·4 1965	5·1 1962	46·8 1963	22·2 1953	—1·0 1964	72·6 1963	1951	1951	Dharmsala.
35·9 1965	14·8 1964	35·9 1964	33·3 1965	15·7 1965	41·6 1964	31·9 1964	9·7 1965	58·0 1964	31·4 1965	4·3 1964	16·8 1965	27·2 1964	0 1965	8·5 1965	22·6 1964	—2·3 1965	11·8 1964	1964	1964	Bhuntar.
28·9 1901	10·0 1932	167·1 1922	27·8 1951	10·6 1957	227·1 1901	25·0 1946	2.3 1940	158·0 1962	23·9 1964	0·2 1961	113·0 1884	21·4 1964	—1·1 1911	68·8 1894	20·4 1960	—12·2 1963	76·5 1923	1896	1881	Simla.
.. ..	.. ..	147·3 1952	.. ..	.. ..	165·1 1954	.. ..	.. ..	213·4 1955	.. ..	.. ..	199·4 1956	.. ..	.. ..	130·8 1951	.. ..	.. ..	31·0 1958	..	1947	Dharmpur.
12.4 1963	1·7 1956	77·4 1958	12·1 1962	2·2 1956	75·2 1962	12·4 1965	—3·5 1963	55·4 1951	8·9 1960	—7·8 1954	66·0 1956	8·9 1952	—12·2 1957	60·4 1962	2·2 1953	—16·7 1952	100·0 1961	1951	1951	Lokpal.
20·0 1958	10·0 1953	121·4 1958	21·7 1959	—7·8 1958	27·0 1959	18·3 1958	6·1 1958	22·7 1958	16·1 1959	1·1 1960	25·0 1960	13·9 1958	.. ..	0 ..	.. ..	.. ..	.. ..	1958	1958	Badrinath.
30·1 1962	14·6 1963	93·1 1962	28·0 1959	14·0 1965	63·7 1963	27·3 1963	10·8 1963	51·4 1963	25.6 1960	1·8 1961	40·4 1961	25·1 1962	0·7 1965	35·0 1962	20·0 1960	—2·4 1961	70·0 1961	1959	1959	Joshimath.
29·4 1949	12·2 1939	196.9 1942	25·6 1957	7·4 1962	317·0 1964	27·2 1946	1·3 1963	199·6 1947	25·6 1951	2·6 1961	198·1 1956	25·0 1952	—2·1 1960	72·2 1963	23·3 1965	—3·9 1954	111·0 1957	1926	1926	Mussoorie.
30·6 1901	9·4 1930	159·5 1907	26·1 1928	10·4 1965	203·7 1948	25·6 1946	1·3 1964	254·5 1914	25·0 1909	1·7 1913	182·4 1910	23·1 1962	—1·1 1918	45·2 1927	21·7 1944	5·0 1954	90·7 1957	1901	1901	Mukteswar (Kumaon).
26·1 1954	10·4 1964	22·35 57	25·1 1957	12·8 1956	193·0 1963	23·9 1959	—1·1 1962	313·7 1957	24·8 1964	4·4 1961	300·7 1956	21·4 1964	0·6 1962	16·0 1963	21·8 1964	—3·3 1961	153·7 1957	1953	1963	Nainital.
30·6 1964	14.5 1930	195.8 1939	30·9 1957	13·4 1959	160·0 1963	30·2 1961	13·4 1962	206·0 1929	31·1 1960	8·9 1944	206·3 1929	30·0 1963	3·9 1962	50·8 1963	27·8 1963	—0·6 1922	29·0 1934	1921	1926	Kalimpong.
25·0 1919	3·9 1944	200.0 1959	26·7 1957	8·3 1946	537·5 1915	26·7 1900	10·0 1940	492·8 1899	23·6 1964	4·4 1913	334·5 1929	22·2 1943	—0·6 1951	219·7 1912	20·0 1947	—1·7 1905	31·2 1885	1891	1881	Darjeeling.
33·1 1965	15·4 1961	74·9 1954	30·6 1957	17·1 1962	104·6 1962	27·8 1963	15·4 1963	95·3 1953	27·2 1956	11·6 1963	83·8 1954	24·5 1957	7·7 1961	68·8 1955	19·5 1958	4·3 1961	14·4 1965	1952	1952	Kohima.
29·4 1965	15·0 1956	205·7 1952	29·4 1964	14·4 1932	118·1 1916	30·2 1965	11·7 1940	256·2 1960	27·2 1938	5·6 1921	296·2 1946	25·6 1943	0·9 1965	96·0 1950	22·8 1918	—1·7 1929	41·1 1926	1906	1906	Shillong.
28·4 1962	11·7 1910	838·2 1910	29·2 1957	12·8 1943	682·7 1932	28·9 1906	12·8 1925	632·2 1951	29·9 1962	10·0 1947	590·5 1919	26·7 1915	6·7 1946	332·2 1917	23·3 1951	3·3 1913	189·7 1926	1906	1906	Cherrapunji.
32·8 1939	13·9 1936	460·5 1943	31·1 1983	13·9 1936	484·9 1941	32·8 1951	11·1 1962	469·1 1950	32·8 1951	10·6 1947	148·1 1917	29·4 1951	6·1 1938	43·7 1896	27·8 1941	—0·6 1929	25·4 1898	1881	1881	Abu.
30·6 1915	14·4 1941	148·6 1946	29·7 1962	12·8 1946	137·4 1943	29·4 1963	14·9 1963	136·1 1938	29·3 1958	8·9 1947	236·0 1959	28·3 1964	7·8 1960	86·0 1960	26·7 1947	5·6 1947	57·9 1945	1938	1938	Aijal.
37·4 1960	16·1 1941	338·3 1882	30·0 1899	15·0 1939	458·7 1913	35·6 1931	12·8 1940	376·2 1961	31·7 1920	6·7 1933	164·1 1955	28·3 1965	2·2 1912	99·1 1912	27·8 1941	—1·1 1926	63·0 1885	1881	1881	Pachmarhi.
25·9 1960	13·8 1957	314·2 1958	26·7 1950	13·9 1957	339·9 1956	27·8 1951	12·2 1935	327·1 1930	30·6 1957	10·7 1961	277·5 1961	29·4 1965	10·0 1955	148·6 1948	29·2 1963	8·3 1940	70·2 1965	1931	1929	Mahabaleshwar.
28·9 1955	11·2 1958	364·5 1924	26·7 1951	12·2 1920	279·0 1964	27·2 1951	12·2 1935	103·4 1938	28·8 1965	10·6 1948	151·6 1887	27·8 1918	9·4 1964	86·4 1925	28·9 1903	8·0 1964	85·9 1902	1891	1881	Mercara.
21·5 1963	6·7 1908	102·4 1902	21·7 1948	6·7 1957	60·5 1909	22·8 1951	4·4 1958	65·3 1951	22·3 1965	0·0 1943	102·4 1916	24·4 1961	—1·1 1949	209·8 1939	24·5 1960	—1·1 1947	152·9 1941	1901	1901	Ootacamund.
25·0 1952	11·1 1955	46·0 1960	24·4 1949	8·9 1953	70·6 1935	24·4 1934	8·9 1935	73·1 1955	25·6 1941	6·1 1933	139·9 1938	24·4 1938	3·3 1942	163·1 1948	25·6 1941	2·2 1956	228·6 1952	1931	1931	Coonoor.
22·2 1918	8·7 1965	79·3 1924	22·9 1963	8·3 1913	118·9 1935	21·7 1928	8·7 1965	104·1 1914	21·2 1964	6·1 1935	147·1 1930	21·7 1927	3·9 1901	346·2 1935	22·8 1910	2·8 1922	185·9 1964	1901	1901	Kodaikanal.
																				Nepal
32·8 1937	16·1 1928	167·4 1954	33·3 1939	16·1 1954	101·6 1945	33·3 1938	13·1 1963	71·4 1936	33·3 1938	5·6 1934	74·9 1961	29·4 1931	0·1 1962	28·5 1948	28·3 1917	—3·3 1964	15·2 1937	1914	1935	Katmandu.
																				Sikkim
22·0 1964	6·1 1958	82·0 1959	21·4 1961	6·1 1958	57·9 1952	22·2 1960	—0·6 1958	91·8 1960	19·7 1962	0·3 1962	58·0 1959	16·0 1959	—2·5 1961	45·1 1965	15·0 1964	—6·4 1961	30·5 1954	1958	1951	Lachen.
																				Hydrometeorological Observatories Damodar Catchment
39·8 1964	20·0 1958	105·4 1959	34·7 1957	22·4 1964	156·2 1957	36·9 1960	20·6 1965	182·8 1965	33·8 1965	14·0 1957	190·6 1961	31·5 1965	9·4 1960	11·8 1964	28·8 1957	4·1 1965	4·8 1961	1957	1957	Tilaiya.
35·6 1962	20·6 1965	86·2 1962	32·4 1964	20·2 1964	72·6 1964	32·0 1964	18·0 1965	151·8 1963	31·4 1965	12·1 1964	160·6 1963	29·7 1965	7·6 1962	2·3 1964	27·4 1964	0·3 1961	11·0 1961	1959 ..	1959 ..	Hazaribagh.
39·1 1965	20·2 1964	77·5 1965	37·7 1965	21·5 1964	111·0 1964	37·5 1965	21·9 1965	152·4 1963	34·9 1964	16·5 1964	98·6 1963	35·3 1965	11·6 1964	2·5 1963	32·3 1964	7·3 1964	13·6 1962	1964	1961	Konar.
37·9 1962	21·1 1965	216·1 1953	35·2 1957	20·9 1965	106·9 1953	38·1 1964	18·9 1965	148·3 1958	35·2 1957	11·4 1966	122·0 1959	34·1 1965	5·0 1952	23·4 1953	31·7 1950	0·5 1964	14·0 1962	1950	1950	Bokaro.

*Started from 6-5-1965
†Started from 18-4-1965

Sub-Division & Station	January			February			March			April			May			June		
	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R
Hydrometeorological Observatories (*contd.*)																		
Damodar Catchment (*contd.*)																		
Maithon	32·4 1964	4·7 1964	27·2 1961	38·2 1964	6·3 1964	64·3 1961	39·5 1964	8·9 1965	25·3 1965	44·7 1960	15·0 1965	38·0 1964	45·8 1960	18·9 1964	31·6 1962	45·5 1961	20·6 1960	103·5 1963
Ramgarh	33·0 1958	2·2 1955	25·7 1953	36·0 1964	4·8 1957	54·0 1961	41·1 1955	7·8 1957	23·2 1962	43·9 1956	13·9 1953	41·0 1959	46·1 1956	18·4 1964	76·4 1959	47·6 1965	20·6 1960	140·0 1961
Panchet Hills	32·2 1958	6·7 1955	41·7 1954	36·2 1964	8·9 1956	53·4 1961	41·1 1955	12·2 1954	36·3 1965	48·8 1961	16·4 1957	27·8 1964	46·9 1961	18·5 1964	63·2 1962	46·1 1958	22·2 1953	90·9 1957
Durgapur	32·2 1964	5·6 1964	14·7 1957	37·4 1964	8·4 1961	63·5 1959	40·0 1958	11·7 1962	22·0 1960	45·0 1961	15·8 1965	17·1 1965	45·8 1958	18·6 1963	64·0 1964	46·4 1958	16·1 1961	132·1 1957
Mahanadi Catchment																		
Ginabahar	31·7 1958	2·2 1962	18·0 1960	35·0 1964	2·2 1959	20·0 1961	40·6 1955	7·5 1965	16·5 1957	43·5 1961	13·5 1965	20·3 1961	45·6 1956	18·3 1965	34·3 1956	45·0 1955	17·7 1959	210·4 1961
Hirakud	32·2 1955	8·7 1962	32·2 1960	36·2 1964	10·0 1956	39·8 1961	42·2 1955	14·1 1965	57·1 1958	45·0 1956	18·7 1957	17·5 1965	46·7 1956	22·2 1955	24·1 1956	46·7 1955	22·7 1960	151·4 1961
Bhim Kund	31·3 1958	4·7 1959	13·5 1961	35·3 1960	8·2 1963	40·0 1961	40·1 1959	12·1 1965	63·0 1965	43·9 1959	14·9 1965	61·4 1965	43·8 1962	15·8 1958	47·0 1963	44·9 1958	21·3 1963	73·0 1959
Sonepur	32·2 1955	7·2 1963	15·8 1962	38·3 1955	9·4 1956	38·4 1961	43·1 1963	9·4 1960	26·8 1962	44·7 1961	11·7 1960	19·3 1959	46·1 1956	18·3 1960	49·8 1961	46·7 1955	21·7 1962	142·2 1959
Khijrawan	32·2 1958	5·0 1963	13·4 1960	36·1 1964	5·3 1958	17·0 1962	39·1 1964	11·8 1957	40·9 1957	43·1 1964	12·3 1965	34·3 1957	44·4 1960	20·2 1962	31·7 1957	47·6 1957	21·2 1960	104·0 1959
Narmada Catchment																		
Bagra Tawa	33·3 1961	2·8 1954	31·2 1951	37·8 1953	4·2 1957	15·5 1955	41·7 1953	9·1 1957	25·4 1957	45·3 1958	13·4 1965	14·6 1960	47·2 1954	20·6 1955	29·0 1956	46·1 1953	20·6 1955	88·1 1951
Punasa	40·0 1961	4·2 1962	19·3 1955	40·0 1953	5·9 1961	18·8 1952	43·1 1959	10·7 1957	18·1 1960	47·5 1958	15·0 1954	12·7 1962	48·1 1959	19·4 1954	56·6 1956	47·8 1961	20·6 1960	103·9 1956
Thikri	35·1 1961	4·9 1964	20·3 1953	39·4 1953	2·2 1950	8·4 1949	42·8 1962	9·9 1963	4·2 1963	47·4 1958	14·1 1965	9·0 1959	47·8 1951	21·9 1963	46·0 1960	45·6 1953	20·0 1952	93·5 1953
Sabarmati Catchment																		
Daroi	33·8 1963	3·0 1962	10·5 1965	37·2 1956	4·4 1961	0 ..	41·9 1959	9·6 1957	7·6 1962	46·9 1958	14·4 1956	14·0 1959	46·8 1962	20·2 1961	0 ..	45·6 1963	22·2 1964	104·7 1956
Gandak Catchment																		
Tomosom	19·9 1958	—8·0 1963	45·7 1961	20·0 1958	—9·0 1964	71·1 1961	23·7 1959	—5·4 1965	22·9 1965	25·4 1959	—4·1 1965	18·5 1960	26·9 1961	2·8 1962	35·0 1964	28·1 1965	6·5 1958	12·2 1960
Khudi Bazar**	.. ..	.. ..	55·4 1962	.. ..	.. ..	31·8 1961	29·6 1965	8·9 1965	48·0 1961	33·1 1965	11·1 1965	44·2 1963	34·9 1965	14·4 1965	89·0 1961	34·4 1965	18·9 1965	153·0 1964
Timure	20·1 1965	—0·7 1964	55·1 1962	21·9 1964	—0·2 1964	38·1 1961	27·3 1960	0·6 1962	50·8 1963	30·2 1961	5·2 1959	19·1 1964	31·3 1965	10·3 1963	26·7 1959	35·4 1965	13·9 1959	37·3 1961
Pokhara	23·4 1961	3·0 1964	54·9 1957	25·7 1963	4·3 1965	29·5 1961	30·9 1960	7·2 1950	29·7 1960	36·2 1961	7·3 1965	122·2 1958	37·0 1960	13·0 1961	74·2 1959	35·9 1959	15·3 1965	173·7 1959
Gorkha	22·1 1957	5·3 1965	46·2 1957	27·1 1960	4·5 1959	3·7 1965	29·5 1964	8·3 1960	50·0 1960	35·1 1960	7·3 1959	49·5 1959	35·6 1957	13·9 1958	75·4 1950	35·3 1958	17·8 1957	189·7 1959
Nuwakot	23·2 1961	4·5 1964	39·0 1962	27·0 1960	5·4 1961	90·8 1960	32·4 1960	7·7 1966	24·6 1962	36·4 1961	8·0 1965	37·6 1962	38·8 1957	13·8 1958	57·6 1962	38·8 1960	14·3 1957	152·8 1962
Ghaghara Catchment—(Trans Himalayan Region)																		
Dailekh	21·1 1958	2·0 1960	36·8 1959	22·7 1960	3·4 1959	18·0 1965	27·3 1958	5·4 1960	52·6 1957	34·3 1960	4·2 1965	72·4 1962	34·3 1957	10·1 1964	27·7 1958	35·2 1965	15·3 1964	75·0 1965
Ghaghara Catchment																		
Dadeldhura	18·9 1959	—2·7 1962	50·3 1958	19·8 1961	—3·4 1961	63·0 1961	24·4 1964	—0·2 1957	73·8 1965	28·8 1959	0·1 1965	42·5 1963	31·6 1958	6·0 1964	33·4 1959	39·5 1961	11·8 1962	71·0 1964
Sallyana	23·0 1964	1·5 1965	99·1 1961	25·0 1964	1·9 1964	20·5 1962	28·6 1964	5·2 1963	45·0 1962	33·0 1964	4·5 1965	32·0 1962	34·6 1965	10·0 1964	22·8 1963	35·2 1964	16·0 1965	84·0 1963
Butwal	33·2 1964	4·3 1964	54·0 1962	33·9 1964	—0·1 1957	33·5 1961	38·7 1964	10·4 1959	50·2 1962	42·2 1961	14·4 1965	40·0 1962	44·7 1960	10·1 1957	72·4 1959	44·4 1964	18·4 1958	171·0 1961
Baghmati Catchment																		
Kathmandu*																		
Kosi Catchment																		
Chautara	22·2 1956	1·3 1964	46·5 1957	25·7 1964	1·6 1961	28·4 1961	30·3 1960	5·7 1965	24·1 1953	33·6 1961	5·1 1965	68·0 1962	35·1 1958	11·0 1964	53·2 1960	34·4 1958	14·4 1955	134·8 1962
Chepua	.. ..	.. ..	31·0 1962	.. ..	.. ..	31·0 1961	.. ..	.. ..	31·6 1962	.. ..	.. ..	77·0 1962	.. ..	.. ..	73·0 1963	.. ..	.. ..	62·4 1963
Walungchung Gola	13·5 1964	—8·8 1964	30·5 1950	12·2 1954	—9·6 1961	44·6 1963	16·4 1959	—8·6 1961	114·2 1963	18·6 1961	—5·3 1965	31·4 1963	18·4 1961	1·1 1955	29·2 1963	20·6 1958	1·1 1956	34·4 1961
Taplethok	28·3 1954	0·6 1957	44·7 1957	28·3 1954	2·8 1964	22·9 1957	31·0 1958	5·0 1956	38·3 1953	32·3 1961	7·3 1965	56·0 1963	32·4 1958	11·2 1962	56·4 1956	32·1 1958	15·2 1957	82·0 1959
Bhojpur	18·2 1961	1·4 1957	35·0 1957	22·6 1964	2·6 1964	26·0 1962	27·8 1960	5·3 1965	39·9 1956	29·6 1961	7·6 1965	34·0 1962	29·7 1958	11·2 1959	94·3 1963	28·9 1955	14·8 1957	88·1 1962
Taplejung	19·2 1957	0·0 1955	34·8 1957	21·3 1964	0·1 1964	14·8 1962	25·6 1953	3·3 1957	37·6 1953	28·9 1961	4·6 1965	71·0 1962	28·3 1957	10·1 1963	55·9 1954	28·1 1964	12·8 1953	68·2 1963
Okhaldhunga	23·9 1953	—1·5 1964	38·2 1962	22·2 1956	—0·8 1959	22·0 1962	25·0 1955	3·7 1965	25·4 1953	28·9 1954	5·8 1957	46·5 1965	29·2 1957	5·6 1953	113·8 1954	29·2 1958	8·9 1953	115·6 1960
Chainpur	22·8 1954	3·1 1957	36·8 1957	26·7 1954	5·0 1959	17·6 1962	30·4 1960	8·4 1964	43·2 1953	33·8 1960	9·3 1957	34·3 1953	34·5 1960	13·2 1965	57·1 1953	32·4 1960	15·6 1957	113·2 1965
Angbung	22·2 1957	1·7 1953	58·0 1959	24·4 1955	5·0 1964	46·4 1962	30·3 1961	5·7 1960	54·0 1959	33·6 1961	8·2 1960	43·2 1953	34·3 1960	8·9 1954	75·7 1953	33·2 1960	7·2 1954	108·0 1962
Barahakshetra	27·3 1961	5·3 1964	48·4 1959	31·7 1963	6·3 1964	39·4 1961	37·1 1960	11·7 1965	126·2 1953	42·2 1954	14·9 1965	102·6 1962	41·9 1957	18·4 1964	103·0 1963	39·0 1965	21·7 1962	155·2 1959
Tista Catchment—																		
Gangtok	19·3 1957	—2·2 1956	63·3 1958	21·5 1964	—1·1 1956	26·8 1963	25·8 1960	3·0 1965	61·0 1957	26·0 1962	3·2 1965	178·1 1956	28·0 1964	9·6 1963	109·7 1958	27·1 1963	12·7 1957	125·5 1963
Gezing	21·9 1961	1·1 1957	50·8 1957	24·7 1964	1·0 1964	12·8 1962	28·1 9161	2·1 1957	42·6 1959	30·9 1961	5·0 1965	92·5 1958	30·6 9164	9·1 1965	64·3 1960	30·8 1961	13·6 1957	102·9 1963

*Data included under Nepal.

**Raised to class IV from 12-3-1965.

July			August			September			October			November			December			based on data from		Sub-Division & Station
X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	X	N	R	Temperature	Rainfal	
																				Hydrometeorological Observatories Damodar Catchment—*Contd.*
37.8 1962	21.0 1964	69.9 1964	36.4 1963	20.6 1964	86.6 1961	36.9 1965	20.3 1965	131.3 1958	36.8 1961	13.7 1964	68.5 1963	35.2 1965	8.7 1964	8.2 1963	31.1 1963	3.7 1965	2.4 1962	1960	1957	Maithon
46.5 1961	21.1 1964	97.4 1965	37.9 1965	18.2 1960	18.2 1953	37.2 1960	18.3 1950	174.2 1954	37.8 1956	10.8 1957	108.0 1959	34.2 1957	4.4 1952	17.3 1953	31.6 1957	0.6 1961	56.4 1950	1950	1950	Ramgarh
38.3 1961	21.7 1957	129.0 1953	36.1 1957	21.1 1958	118.0 1963	36.4 1958	19.3 1958	195.1 1956	35.8 1953	15.0 1954	181.6 1959	33.5 1965	9.9 1957	43.2 1957	31.7 1953	5.1 1961	12.5 1954	1950	1950	Panchet Hills
37.2 1958	22.0 1965	114.2 1965	37.0 1963	21.7 1962	113.0 1964	35.7 1965	20.6 1963	89.0 1959	36.0 1964	17.2 1963	139.0 1959	35.4 1965	11.1 1962	5.0 1963	31.1 1963	6.0 1962	9.2 1959	1957	1957	Durgapur
																				Mahanad Catchment
37.2 1958	18.1 1958	96.4 1962	35.0 1957	19.1 1965	198.1 1956	34.5 1957	17.5 1965	131.8 1960	35.8 1963	11.4 1957	178.3 1958	33.1 1964	5.0 1961	9.1 1956	32.2 1959	2.9 1964	12.0 1962	1955	1955	Ginabahar.
38.2 1958	23.2 1955	277.1 1964	35.0 1964	22.1 1960	239.9 1960	35.6 1965	22.8 1963	281.9 1955	36.4 1957	16.8 1960	91.4 1956	34.7 1965	12.4 1960	18.4 1961	31.4 1957	7.2 1955	33.8 1962	1955	1955	Hirakud.
36.5 1965	21.3 1960	174.0 1965	36.1 1961	20.9 1964	229.5 1960	34.4 1958	21.5 1964	15.5 1963	34.9 1965	14.9 1964	87.5 .. 1962	33.0 1965	9.3 1959	11.3 1958	30.8 1960	6.1 1961	1.1 1962	1958	1958	Bhimkund
37.1 1958	16.1 1957	166.4 1958	39.0 1965	20.5 1957	200.0 1960	35.6 1956	14.7 1957	287.8 1955	35.8 1957	15.1 1958	109.0 1960	34.0 1965	7.7 1959	2.0 1958	32.2 1957	6.9 1959	10.1 1959	1955	1955	Sonepur
44.9 1957	18.9 1962	153.8 1960	33.1 1965	21.3 1962	106.0 1964	33.6 1964	20.6 1961	100.0 1961	36.1 1960	14.3 1960	114.2 1960	34.1 1960	5.2 1960	16.5 1958	32.1 1963	5.1 1964	14.0 1961	1957	1957	Khijrawan
																				Narmada Catchment
39.6 1965	17.2 1956	281.2 1959	35.2 1965	21.7 1956	141.0 1952	35.6 1965	18.4 1965	259.0 1961	37.6 1965	8.9 1952	48.3 1955	35.6 1965	.56 1952	42.2 1956	33.4 1960	S.2 1955	21.0 1962	1962	1952	Bagra Tawa
43.9 1963	20.1 1959	193.6 1959	37.1 1965	20.6 1952	207.0 1960	37.2 1951	14.4 1953	168.4 1951	38.9 1951	10.0 1965	46.2 1961	38.9 1965	6.1 1956	38.8 1963	34.5 1959	3.9 1955	44.0 1955	1951 1962	1951	Punasa.
31.9 1965	20.1 1964	107.9 1950	36.1 1953	20.1 1964	209.8 1957	39.5 1965	15.1 1963	206.0 1959	40.8 1965	8.9 1964	83.0 1961	37.8 1965	6.3 1964	24.2 1963	35.5 1963	4.9 1962	43.3 1964	1949	1949	Thikari.
																				Sabarmati Catchment
42.2 1963	22.8 1958	299·8 1959	38.0 1965	21.1 1956	105.9 1957	39.3 1960	20.8 1959	208.4 1963	39.4 1965	12.2 1961	64.0 1968	37.6 1964	10.6 1956	33.0 1956	35.0 1963	6.2 1963	0 1964	1956	1956	Dari.
																				Gandak Catchment
28.6 1965	11.6 1965	31.0 1965	30.5 1962	11.0 1965	36.2 1965	28.1 1963	4.5 1965	35.0 1960	24.7 1961	0.6 1960	41.4 1961	23.6 1962	—3.4 1961	4.0 1963	20.1 1864	—10.3 19.2	10.3 1962	1958	1958	Jomosom.
30.6 1965	19.9 1965	137.0 1965	30.6 1965	19.0 1965	206.4 1965	30.6 1965	15.9 1965	97.2 1962	28.1 1955	12.7 1965	72.0 1962	25.1 1965	7.9 1965	33.2 1965	21.1 1965	6.1 1965	18.6 9161	1965	1961	Khudi Bazar.
34.9 1963	15.6 1964	80.2 1963	29.1 1964	15.1 1962	61.4 1964	30.0 1959	11.3 1963	32.5 1963	27.7 1964	4.2 1961	30.2 1958	24.7 1964	2.4 1961	12.3 1965	22.3 1960	—0.6 1961	16.3 1961	1958	1958	Timure.
32.2 1962	20.0 1965	261.4 1964	34.2 1962	19.4 1959	284.0 1957	31.7 1958	17.8 1965	165.9 1961	30.4 1958	11.6 1960	106.5 1960	27.7 1958	5.8 1962	57.7 1965	27.5 1960	3.2 1964	19.1 1957	1957	1957	Pokhare.
30.7 1964	18.8 1963	259.0 1965	30.6 1964	19.3 1963	109.5 1957	0.0 1963	61.0 1958	16.7 1958	287. 1963	13.8 1963	17.14 1958	26.2 1964	3.1 1961	62.0 1965	2.2 1958	4.5 1964	9.3 1957	1957	1557	Gorkha.
33.0 1964	15.6 1957	14.2 1965	33.2 1964	18.5 1962	95.3 1957	33.5 1963	15.5 1965	53.3 1964	32.2 1964	32.2 1960	51.8 1961	28.7 1963	7.3 1961	46.1 1965	25.5 1965	3.3 1961	8.2 1961	1957	1957	Nawakot.
																				Ghaghara Catchment (Trans Himalayan Region)
30.9 1962	16.1 1964	113.3 1959	29.2 1964	16.7 1964	95.0 1962	30.7 1957	15.6 1962	52.0 1963	26.6 1964	10.1 1965	50.0 1965	23.7 1968	5.6 1964	6.8 1963	20.6 1964	3.1 1963	50.0 1957	1957	1957	Dailikh.
																				Ghaghara Catchment
27.1 1965	13.7 1958	107.5 1959	26.8 1957	13.5 1957	130.4 1961	26.6 1963	10.9 1962	122.8 1962	5.8 1960	5.1 1961	162.1 1961	22.4 1958	3.7 1960	18.9 1959	22.9 1964	—0.8 1961	86.6 1957	1957	1957	Dadeldhura.
29.5 1965	17.0 1964	73.3 1963	30.5 1964	16.6 1965	73.2 1963	28.5 1961	13.0 1963	49.0 1963x	28.0 1964	10.5 1964	41.0 1963	24.4 1961	6.0 1957	0.7 1965	23.2 1962	3.0 1960	3.0 1961	1957	1957	Sllvana.
43.6 1963	21.7 1957	24.4 1960	36.8 1957	22.4 1965	297.8 1965	40.4 1963	21.4 1965	180.0 1964	35.9 1963	17.2 1959	112.0 1958	30.9 1964	9.4 1962	26.0 1963	28.5 1960	6.2 1958	12.0 1961	1957	1957	Butwal.
																				Baghmati Catchment
																				Kathmandu
																				Kosi Catchment
30.0 1962	13.4 1964	99.1 1954	29.6 1964	16.1 1956	80.3 1964	29.1 1963	14.1 1964	102.0 1965	28.1 1959	11.1 1958	74.3 1956	74.3 1960	26.2 1958	6.2 1958	23.4 1956	3.1 1961	15.5 1955	1955	1953	Chautara.
.. ..	.. ..	52.4 1963	.. ..	.. ..	83.8 1962	.. ..	.. ..	67.2 1963	.. ..	.. ..	42.4 1963	.. ..	.. ..	14.0 1961	.. ..	.. ..	46.6 1961	..	1961	Chepua.
20.6 1953	4.4 1956	44.5 1954	21.0 1964	4.4 1963	55.1 1954	21.0 1952	3.9 1950	93.0 1963	19.4 1961	—2 1962	46.4 1963	15.6 1955	—6.0 1961	15.9 1963	15.9 1960	—8.8 1961	12.0 1963	1953	1953	Walungaching Gola.
32.8 1953	14.2 1962	78.2 1963	32.4 1958	15.6 1954	96.4 1961	31.7 1956	14.3 1965	72.8 1965	32.8 1956	9.0 1958	64.8 1960	29.4 1956	4.8 1961	29.8 1965	28.3 1956	3.3 1961	12.5 1957	1953	1953	Taplethok.
28.5 1962	161.1 1956	93.0 1964	29.6 1957	15.9 1957	94.0 x1965	27.9 1963	13.6 1965	86.0 1963	26.6 1962	10.6 1957	113.0 1960	23.1 1961	7.2 1965	29.6 1965	9.19 1965	3.5 1961	12.0 1961	1955	1955	Bhojpr.
27.4 1961	15.0 1956	117.7 1959	28.6 1957	15.4 1962	104.2 1960	28.5 1958	12.6 1965	99.8 1954	26.0 1959	8.3 1955	68.3 1956	22.5 1964	2.4 1961	20.1 1956	20.3 1963	0.6 1954	12.7 1955	1953	1963	Taplehung.
27.9 1961	5.6 1963	143.5 1964	29.4 1963	15.0 1955	129.8 1963	28.3 1954	10.6 1953	95.2 1960	27.2 1969	4.7 1960	44.4 1963	22.8 1954	4·91 1961	18.8 1956	21.7 1961	1.1 1961	6.1 1957	1953	1963	Okhadhunga.
31.6 1964	16.7 1954	61.0 1957	31.7 1953	17.2 1955	95.2 1962	31.1 1963	15.0 1963	73.2 1963	28.9 1955	11.7 1955	67.2 1955	8.3 1959	46.0 1963	46.0 1965	25.6 1964	5.8 1961	8.9 1957	1953	1953	Chainpur.
32.4 1962	16.1 1953	82.5 1957	32.6 1957	15.0 1954	122.5 1954	31.3 1951	8.3 1964	80.0 1957	30.4 1957	8.4 1964	63.3 1957	25.6 1964	6.1 1963	19.0 1953	24.4 1961	5.1 1961	7.1 1957	1953	1953	Angbugl
37.1 1962	22.2 1962	215.4 1964	36.7 1957	31.5 1965	266.9 1963	35.4 1962	20.7 1962	20.6 1960	35.9 1957	14.9 1953	136.1 1964	30.9 1964	9.1 1961	29.5 1956	29.4 1965	16.5 1964	3.3 1957	1953	1953	Barahksaetra.
																				Tista Catchment
28.2 1962	14.4 1956	105.5 1964	27.6 1957	15.1 1956	124.8 1962	28.5 1963	1.7 1956	108.8 1960	27.2 1964	8.1 1957	73.0 1959	22.8 1965	4.3 1961	33.3 1965	21.0 1962	1.0 1961	18.2 1563	1956	1956	Bargalok.
29.8 1958	14.9 1958	164.3 1957	32.2 1957	16.0 1665	13.2 1964	13.5 1961	123.2 1956	132.2 1960	23.4 1964	.2 1960	57.8 196	25.7 1964	4. 1961	29.3 1965	22.6 1964	2.2 1961	1.18 1963	1957	1957	Geaing.

MONTHLY MEANS OF UPPER WINDS

December, 1965 (Agrahayana 10—Pausa 10, 1887 Saka)

During the month, observations of velocity and direction of upper winds were made at 54 stations in India. Out of these, at 40 stations all the observations were taken by means of pilot balloons and at 13 stations some observations were made by means of pilot balloons while the other observations by the radiowind method. In the case of Bangalore, the observations were taken by following radiosonde balloon by means of an optical theodolite. Particulars of these stations, their co-ordinates and the approximate times of the regular pilot balloon and rawin ascents at each station are given in the table overleaf. All radiowind ascents have been indicated by means of an asterisk(*) against the scheduled hours.

Data from ascents made at the scheduled time or within two hours on either side of the scheduled times of regular observations have been used for averaging.

Data upto 9·0 km. a.m.s.l. are given under Table IV and data above 9·0 km. a.m.s.l. under Table V.

In Tables IV and V :

n=represents the number of observations;

V=represents the mean wind speed in metres per second irrespective of direction;

v=represents the resultant mean velocity in metres per second;

D=represents the direction of the resultant mean wind in degrees East of North.

Means and resultant winds are given in this publication for the following heights :

Surface, 0·15 km. a.g., 0·3, 0·6, 0·9, 1·5, 2·1, 3·0, 3·6, 4·5, 5·4, 6·0, 7·2, 9·0, 10·5, 12·0, 14·1, 16·2, 18·0, 21·0, 24·0, 27·0, 30·0, 33·0 and 36·0 km. a.m.s.l. Of these, the levels 1·5, 3·0, 5·4, 7·2, 9·0, 12·0, 14·1, 16·2, 18·0, 21·0, 24·0, 27·0 and 30·0 km. a.m.s.l. are considered as the best approximations to the standard pressure levels 850, 700, 500, 400, 300, 200, 150, 100, 70, 50, 30, 20 and 10 mb. respectively.

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS IN INDIA

S. No.	Station	Lat. N.	Long. E.	Height of anemometer head a.m.s.l. in metres	Date of opening **	Approximate times of flight (I.S.T.)			
1	Agartala	23°53′	91°15′	17	28th November, 1951	0530		1730	2330
2	Ahmadabad	23°04′	72°38′	61	19th May, 1928	0530*	1130	1730*	2330
3	Allahabad/Bamhrauli	25°27′	81°44′	103	28th February, 1930	0530*	1130	1730*	2330
4	Ambala	30°23′	76°46′	279	18th March, 1928	0530	1130	1730	2330
5	Amini	11°07′	72°44′	14	1st May, 1965	0530		1730	2330
6	Anantapur	14°41′	77°37′	365	12th February, 1946	0530		1730	2330
7	Asansol	23°41′	86°59′	135	29th May, 1942	0530		1730	2330
8	Aurangabad/Chikalthan	19°51′	75°24′	583	7th October, 1951	0530		1730	2330
9	Bahraich	27°34′	81°36′	134	1st October, 1961	0530	1130	1730	
10	Bangalore	12°58′	77°35′	936	19th May, 1915	0530@	1130	1730@	2330
11	Bareilly	28°22′	79°24′	181	12th January, 1943	0530		1730	
12	Begampet	17°27′	78°28′	543	1st September, 1929	0530		1730	2330
13	Bhagalpur	25°14′	86°57′	61	19th May, 1950	0530		1730	
14	Bhopal/Bairagarh	23°17′	77°21′	532	26th February, 1943	0530		1730	2330
15	Bhubaneshwar	20°15′	85°50′	54	17th December, 1955	0530		1730	2330
16	Bhuj/Rudramata	23°15′	69°48′	90	14th September, 1937	0530		1730	2330
17	Bikaner	28°00′	73°18′	229	18th October, 1946	0530		1730	2330
18	Bombay/Santa Cruz	19°07′	72°51′	27	14th May, 1933	0530*	1130	1730*	2330
19	Calcutta/Dum Dum	22°39′	88°27′	13	14th May, 1921	0530*	1130	1730*	2330
20	Cochin/Willingdon†	09°56′	76°14′	13	16th March, 1942	0530		1730	2330
21	Dehra Dun	30°19′	78°02′	692	1st October, 1958	0530		1730	
22	Dibrugarh/Mohanbari	27°29′	95°01′	112	1st June, 1948	0530	1130	1730	2330
23	Gadag	15°25′	75°38′	650	3rd May, 1943	0530		1730	2330
24	Gangtok	27°20′	88°37°	1764	1st May, 1963	0830		1730	
25	Gauhati	26°05′	91°43′	55	11th March, 1955	0530*	1130	1730*	2330
26	Gaya	24°45′	84°57′	119	19th March, 1937	0530		1730	2330
27	Goa/Dabolim	15°23′	73°49′	23	1st July, 1965	0530		1730	2330
28	Gopalpur	19°16′	84°53′	24	15th February, 1946	0530		1730	2330
29	Gorakhpur	26°45′	83°25′	83	5th January, 1943	0530		1730	
30	Gwalior	26°14′	78°15′	208	7th May, 1938	0530	1130	1730	2330
31	Imphal/Tulihal	24°46′	93°54′	782	29th March, 1943	0530	1130	1730	2330
32	Jabalpur	23°10′	79°57′	402	30th July, 1928	0530		1730	2330
33	Jagdalpur	19°05′	82°02′	562	25th March, 1948	0530		1730	2330
34	Jaipur/Sanganer	26°49′	75°48′	403	6th June, 1953	0530		1730	2330
35	Jamshedpur	22°49′	86°11′	144	23rd July, 1942	0530		1730	
36	Jharsuguda	21°55′	84°05′	240	1st May, 1944	0530		1730	2330
37	Lucknow/Amausi	26°45′	80°53′	133	20th November, 1950	0530		1730	2330
38	Madras/Minambakkam	13°00′	80°11′	29	8th April, 1926	0530*	1130	1730*	2330
39	Mangalore/Bajpe	12°55′	74°53′	104	4th June, 1928	0530		1730	2330
40	Minicoy	08°18′	73°00′	15	14th April, 1941	0530	1130	1730*	2330
41	Nagpur/Sonegaon	21°06′	79°03′	316	23rd April, 1943	0530*	1130	1730*	2330
42	New Delhi/Safdarjung	28°35′	77°12′	227	16th November, 1929	0530*	1130	1730*	2330
43	Poona	18°32′	73°51′	593	5th January, 1925	0530		1730	2330
44	Port Blair	11°40′	92°43′	95	13th March, 1926	0530*	1130	1730*	2330
45	Raipur	21°14′	81°39′	308	15th July, 1944	0530		1730	2330
46	Raxaul	26°59′	84°51′	83	28th October, 1957	0530		1730	
47	Srinagar	34°05′	74°48′	1595	1st August, 1962	0530*		1730*	
48	Tiruchchirappalli	10°46′	78°43′	96	22nd June, 1936	0530		1730	2330
49	Trivandrum	08°29′	76°57′	73	8th December, 1928	0530*	1130	1730*	2330
50	Udaipur	24°35′	73°42′	587	24th June, 1947	0530		1730	2330
51	Vengurla	15°52′	73°38′	8	20th November, 1941	0530		1730	2330
52	Veraval	20°54′	70°22′	17	13th October, 1941	0530		1730	2330
53	Vijaywada/Gannavaram	16°32′	80°48′	32	1st April, 1957	0530		1730	2330
54	Vishakhapatnam	17°43′	83°14′	10	24th September, 1928	0530*	1130	1730*	2330

*Radio wind ascents.
@Radiosonde ascents followed by optical theodolite.
†Navel Meteorological Office.
**Refers to date from which data are available.

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds up to 9·0 Km. above mean sea level

December, 1965 (Agrahayana 10—Pausa 10, 1887 Saka)

Station	AGARTALA												AHMADABAD											
Time in I. S. T.	0530				1730				2330				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	0·6	0·3	335	31	1·2	0·6	312	31	0·7	0·3	048	31	2·1	1·9	045	31	3·3	2·9	077	31	1·9	1·3	026
0·15 a. g.	29	3·2	2·1	023	31	3·2	1·6	320	31	4·6	2·6	354	31	7·2	6·2	055	31	4·7	4·3	077	31	4·3	2·6	008
0.3 a.m.s.l.	29	3·5	2·5	036	31	3·3	1·5	328	31	4·2	2·5	356	31	6·8	5·7	054	31	5·0	4·2	079	31	4·3	2·5	013
0·6 ,,	29	3·5	2·5	046	31	2·7	0·8	345	31	3·5	1·7	002	31	5·9	4·0	066	31	4·4	3·0	088	31	3·8	2·1	018
0.9 ,,	29	3·4	1·8	048	31	2·5	0·4	338	31	3·1	0·9	023	31	4·9	0·9	102	31	4·0	1·3	096	31	3·6	1·8	025
1·5 ,,	29	4·1	0·6	292	31	3·6	1·2	249	30	3·6	1·1	230	31	5·2	2·8	209	31	5·2	2·6	214	31	3.7	0.7	253
2·1 ,,	29	6·3	4·3	260	30	6·1	4·4	264	30	5·7	3·8	245	31	5·5	3·5	226	31	5·2	3·2	242	31	4·5	3·0	236
3.0 ,,	26	10·3	9·1	269	25	11·3	9·3	264	29	9·5	7·0	251	31	7·3	5·1	250	31	6·6	5·0	259	31	7·0	5·9	258
3.6 ,,	22	12·7	11·9	271	24	13·8	12.4	263	3	11·0	10·6	224	31	8·6	6·7	261	30	7·7	6·3	267	31	7·9	6·7	257
4.5 ,,	11	14·6	14·1	267	18	15·6	14·5	266					31	12·0	10·7	271	30	10·9	9·2	275	31	10·6	9·2	266
5.4 ,,	9	17·1	16·1	262	15	17.7	16·7	268					31	14·6	13·5	270	30	14·3	13·0	275	31	14·3	12·6	268
6.0 ,,	5	14·2	13·4	269	10	18·4	17·1	266					31	17·2	15·9	270	30	16·7	14·9	278	31	16·6	14·8	264
7·2 ,,	2	15·0	14·7	273	1	22·0	22·0	310					31	22·9	21·2	268	30	21·5	19·3	274	31	22·9	21·0	265
9·0 ,,	1	25·0	25·0	238									31	33·2	31·0	265	27	28·8	26·1	269	31	30·2	27·4	264

Station	AHMADABAD				ALLAHABAD/BAMHRAULI																AMBALA			
Time in I.S.T.	2330				0530*				1130				1730*				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	1·5	1·1	007	31	0·1	0·1	237	31	0·2	0·1	244	31	0·3	0·2	311	31	Calm			31	0·8	0·2	003
0·15 a. g.	31	7·7	6·3	020	31	3·1	1·8	320	31	2·4	0·5	274	31	3·0	2·4	292	31	4·3	2·3	329	26	5·2	1·6	351
0·3 a.m.s.l.	31	7·5	5·9	028	31	3·1	1·8	320	31	2·6	0·5	280	31	3·0	2·4	292	31	3·9	2·2	328	26	2·0	0·7	060
0·6 ,,	31	5·6	4·3	041	31	2·8	1·9	320	31	3·1	1·0	326	31	3·0	2·1	319	31	3·9	2·3	322	26	5·0	2·3	330
0.9 ,	31	4·4	2·8	064	31	3·4	2·3	312	31	3·7	2·1	313	31	3·3	2·2	325	31	4·5	2·7	309	26	5·0	0·5	344
1·5 ,,	31	5·0	1·5	146	31	5·4	4·2	303	30	5·6	4·4	303	31	5·1	3·7	303	31	6·2	4·7	288	26	3·5	0·5	023
2.1 ,,	31	5·1	2·3	208	31	6·7	5·4	288	30	7·1	5·6	290	31	6·2	5·5	290	31	7·3	5·8	286	26	4·0	0·2	216
3.0 ,,	31	6·7	4·9	249	31	9·2	8·1	280	29	9·5	8·8	275	31	9·7	8·5	279	27	9·7	8·4	286	26	4·8	1·1	240
3.6 ,,	10	9·9	7·7	258	31	10·8	9·8	275	29	11·4	10·4	275	30	10·9	10·2	278	11	9·4	7·9	282	26	6·5	3·1	253
4.5 ,,	3	12·7	11·3	274	31	13·1	11·9	270	29	14·9	14·1	272	30	14·1	13·3	272	2	13·0	13·0	232	24	11·3	7·8	271
5·4 ,,					30	17·0	15·7	270	29	20·0	19·2	269	30	17·4	16·8	272					24	16·4	12·2	269
6·0 ,,					30	19.5	18·3	265	29	22·5	21·3	266	30	19·9	19·2	271					23	19·1	17·4	274
7·2 ,,					30	23·6	22·5	267	26	27·7	26·5	266	30	24·4	23·4	270					16	21·6	20·2	274
9.0 ,,					30	31·8	29·8	262	8	33·5	31·9	263	30	33·7	32·3	268					9	35·2	33·9	274

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

December, 1965 (Agrahayana 10, Pausa 10, 1887 Saka)

Station	AMBALA												AMINI											
Time in I. S. T.	1130				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1·4	0·1	133	31	1·4	0·7	305	31	1.3	1·0	311	31	3·4	1·3	331	31	3·1	1·2	337	31	3·6	1·7	352
0·15 a. g. .	26	4·0	1·0	001	27	3·4	2·1	293	26	6.3	5·1	334	27	4·9	2·5	347	29	4·7	2·5	359	29	4·6	2·1	003
0·3 a. m. s. l. .	26	1·8	0·3	031	27	2·0	0·9	286	26	3·2	2·6	333	27	5·1	2·5	356	29	5·2	2·8	005	29	4·6	2·1	007
0·6 ,, .	26	4·2	0·9	346	27	4·4	2·8	299	26	5·7	4·2	330	27	5·2	2·5	017	28	5·1	2·7	007	29	5·0	2·1	029
0·9 ,, .	26	3·8	0·4	312	27	4·0	2·1	307	26	4·1	2·7	330	27	5·5	2·6	039	26	4·6	2·2	026	29	5·4	2.6	049
1·5 ,, .	26	4·1	0·8	125	27	3·6	0·7	358	26	3·5	0·1	090	26	6·1	2·7	072	26	4·7	2·1	058	28	6·6	3·5	068
2·1 ,, .	26	4·2	1·6	147	27	4·2	0·2	232	25	3·6	0·9	176	24	6·0	3·2	082	21	5·5	2·1	078	25	7·0	3·8	083
3·0 ,, .	26	4·9	2·1	190	27	4·1	0·6	239	25	4.4	1·5	232	20	6·1	3·0	086	13	8·8	0·0	213	24	7·0	2.7	088
3·6 ,, .	26	6·1	2·6	225	27	5·5	1·8	263	16	7·7	5·1	275	15	5·2	3·6	098	10	7·1	0·6	066	14	5·1	4.1	103
4·5 ,, .	26	9·5	7·6	263	27	8·8	5·8	271	12	12.3	9.7	277	8	4·0	2·2	096	7	7·6	2·4	064	6	4·3	3·6	089
5·4 ,, .	25	14·8	12·8	271	26	13·6	11·0	278	7	15.7	14·0	272	3	5·7	3·6	044	4	7·0	3·3	007				
6·0 ,, .	25	18·0	16·2	271	26	17·4	14·6	278	3	15·7	14·5	294	2	7·5	5·3	044	3	6·7	5·9	037				
7·2 ,, .	17	21·9	21·8	279	17	23·8	22·3	282	1	14·0	14·0	350					2	3·5	3·5	042				
9·0 ,, .	9	34·0	32·5	278	11	35.0	32.2	288									1	7·0	7·0	144				

Station	ANANTAPUR												ASANSOL											
Time in I. S. T.	0530				1730				2330				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	2·2	2·0	086	31	3·7	2·9	072	31	3·8	3·4	091	31	1·2	1·0	293	31	1·7	1·5	343	31	1·1	0·9	319
0·15 a. g. .	29	5·1	4·3	089	31	6·2	5·6	074	30	7·4	5·9	099	30	5·4	4·8	346	31	3·8	3·3	344	31	5·8	5·4	357
0·3 a. m. s. l. .													30	5·8	5·2	349	31	3·7	3·2	344	31	5·8	5·2	359
0·6 ,, .	29	5·4	4·3	099	31	5·7	5·2	079	30	7·5	6·1	100	30	5·9	5·1	359	31	4·2	3·6	341	31	5·9	4·8	352
0·9 ,, .	29	6·8	5·1	095	30	5·8	5·2	085	30	7·0	5·9	096	30	5·6	4·3	350	31	4·3	3·5	342	31	5·0	3·7	340
1·5 ,, .	29	6·6	4·5	090	29	5·6	4·5	089	29	5·6	4·4	075	30	6·4	4·3	324	31	5·3	4·2	328	31	6·3	4·1	319
2·1 ,, .	27	6·5	3·9	100	26	5·5	2·7	088	27	5·5	2·7	073	28	7·9	6·3	305	31	7·5	6·1	300	29	7·3	5·7	300
3·0 ,, .	24	5·3	1·9	114	20	5·5	1·2	069	21	6·2	2·0	091	28	10·0	9·1	288	31	10·5	5·1	300	26	8·8	7·4	281
3·6 ,, .	21	6·1	1·3	164	15	6·1	0·4	307	6	7·3	3·4	080	25	11·5	10·7	278	30	11·2	10·2	279	15	10·1	8·7	268
4·5 ,, .	20	5·0	2·3	094	11	5·6	2·4	048					25	13·4	12·5	272	25	13·9	13·2	276	5	11·2	10·8	263
5·4 ,, .	20	6·6	3·2	083	10	6·6	5·2	087					22	16·0	15·2	266	21	16·7	15·9	273	1	13·0	13·0	264
6·0 ,, .	20	7·5	3·3	081	9	7·2	6·9	087					20	17·4	16·3	271	21	18·9	18·0	278	1	12·0	12·0	282
7·2 ,, .	17	6·4	3·7	085	5	7·4	3·4	098					18	22·3	21·0	267	15	21·6	19·9	273				
9·0 ,, .	12	3·9	0·7	002									11	31·0	30·3	263	11	29·9	28·2	272				

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

December, 1965 (Agrahayana 10—Pausa 10, 1887 Saka)

Station	AURANGABAD/CHIKALTHAN												BAHRAICH											
Time in I. S. T.	0530				1730				2330				0530				1130				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	0·8	0·4	083	31	2·5	1·3	109	31	1·1	0·9	104	31	0·8	0·5	317	31	0·8	0·7	289	31	0·7	0·4	279
0·15 a. g.	30	6·4	5·7	097	31	4·0	2·1	098	30	5·8	5·2	080	31	4·3	3·3	329	31	2·5	2·0	302	31	3·0	1·9	283
0·3 a. m. s. l.													31	4·2	3·4	318	31	2·5	1·9	302	31	3·1	2·1	284
0·6 ,,													31	4·1	2·7	310	31	3·7	2·7	312	31	3·3	2·1	295
0·9 ,,	30	7·2	6·5	112	31	3·6	2·0	101	30	6·6	5·9	087	31	4·8	2·2	309	31	4·2	2·0	315	31	3·6	2·3	297
1·5 ,,	29	5·2	3·7	118	30	4·2	1·9	103	30	6·2	4·3	101	31	5·8	2·1	310	31	5·4	1·4	316	31	5·4	2·5	315
2·1 ,,	28	4·0	1·0	183	29	4·1	1·6	084	29	4·6	2·2	127	30	6·0	2·3	304	31	8·7	2·0	290	31	7·3	3·4	298
3·0 ,,	27	4·0	1·5	281	26	4·3	0·5	323	26	4·3	0·9	265	26	7·8	5·1	277	30	7·2	4·9	288	30	7·4	4·5	287
3·6 ,,	18	4·5	1·4	268	24	4·2	1·9	293	20	5·1	3·1	275	21	9·0	6·7	284	30	8·9	6·8	279	29	9·1	7·8	286
4·5 ,,	2	4·5	2·7	285	21	6·4	3·9	282	3	7·3	3·3	302	17	11·1	10·5	285	30	12·8	11·7	276	28	14·3	13·1	278
5·1 ,,	1	4·0	4·0	024	18	9·3	7·2	284	1	3·0	3·0	079	10	17·1	16·3	277	28	17·5	15·2	270	28	19·8	16·6	278
6·0 ,,					16	9·4	8·1	281	1	4·0	4·0	079	9	20·4	19·2	273	25	21·0	20·0	270	24	22·0	21·6	274
7·2 ,,					7	14·3	13·0	275					5	28·2	27·0	273	14	26·2	25·1	273	12	31·1	30·8	272
9·0 ,,																	3	43·7	43·6	275				

Station	BANGALORE																BAREILLY							
Time in I. S. T.	0530@				1130				1730@				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	3·7	2·9	087	31	3·1	2·3	094	31	3·3	2·5	087	31	3·0	2·6	086	31	0·9	0·5	325	31	0·8	0·7	320
0·15 a. g.	23	6·7	5·1	085	31	6·1	4·9	094	30	5·5	3·8	085	30	7·5	5·9	094	31	4·8	3·5	325	31	2·9	2·0	293
0·3 a. m. s. l.																	31	4·6	3·3	328	31	2·9	2·0	293
0·6 ,,																	31	4·6	3·0	304	31	3·7	2·6	296
0·9 ,,																	31	4·3	2·4	301	31	3·9	2·9	297
1·5 ,,	21	6·9	5·1	081	23	5·9	3·2	098	29	5·8	3·6	091	26	6·9	4·8	084	31	4·9	2·1	300	31	4·7	2·9	299
2·1 ,,	21	6·7	5·0	092	20	5·6	2·5	079	24	4·9	2·0	087	24	5·2	2·3	067	31	6·0	2·3	291	31	5·3	4·0	301
3·0 ,,	18	4·7	1·7	101	20	4·9	1·1	097	24	4·7	0·8	037	22	5·2	0·7	091	31	6·8	4·0	288	31	7·0	5·1	290
3·6 ,,	17	4·4	0·9	215	19	5·1	0·8	139	22	5·8	1·3	258	22	4·8	0·9	119	30	8·3	4·9	280	29	8·0	6·8	289
4·5 ,,	16	5·0	1·3	133	19	5·7	0·7	148	20	5·7	0·8	120	13	5·9	3·3	112	26	11·8	10·2	273	29	12·7	8·5	287
5·4 ,,	15	5·9	3·8	078	17	5·8	4·1	081	20	6·1	2·7	089	6	9·0	6·0	096	23	16·0	14·9	269	26	16·6	16·2	274
6·0 ,,	15	7·0	4·9	071	15	7·1	5·3	093	20	6·7	3·1	077	1	10·0	10·0	100	20	19·9	18·5	270	22	19·4	18·8	271
7·2 ,,	15	7·2	4·3	066	15	7·3	5·3	075	19	6·6	3·5	074					9	24·1	22·6	260	13	26·5	25·0	267
9·0 ,,	15	5·1	2·1	108	14	5·4	2·5	084	15	4·9	0·4	063					1	28·0	28·0	270	4	32·0	30·7	278

TABLE IV— MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Wind upto 9.0 Km. above mean sea level

December, 1965 (Agrahayana 10—Pausa 10, 1887—Saka)

Station	BEGAMPET												BHAGALPUR								BHOPAL/BAIRAGARH			
Time in I. S. T.	0530				1730				2330				0530				1730				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1·4	0·9	095	31	2·6	2·2	094	31	2·1	1·6	072	31	1·1	0·8	265	31	1·5	1·3	293	31	2·0	1·6	087
0·15 a. g. .	31	4·8	3·5	112	31	4·5	3·9	093	31	5·5	4·4	090	31	4·6	3·7	301	31	4·5	3·6	296	29	5·8	4·7	101
0·3 a. m. s. l. .													31	5·5	4·7	320	31	4.6	3·9	298				
																					29	5·1	4·3	099
0·6 ,, .	31	3·2	2·5	110	31	3·8	3·4	095	31	4·0	3·2	084	31	4·4	3·5	331	31	4·5	3·9	303	29	5·6	3·0	100
0·9 ,, .	31	5·8	4·9	105	31	4·5	3·9	092	31	5·7	4·8	097	31	3·7	1·7	342	31	4·5	3·5	303	29	4·5	1·8	286
1·5 ,, .	31	6·6	5·1	090	31	5·1	4·1	085	31	5·5	4·5	090	31	4·6	1·6	322	30	5·7	3·4	300	27	5·6	4·5	280
2·1 ,, .	30	5·7	2·7	077	31	4·4	1·9	070	30	4·5	1·8	081	31	6·9	4·7	298	30	8·5	6·1	301	26	7·4	6·5	276
3·0 ,, .	28	4·9	0·4	153	30	4·3	0·6	115	28	4·1	0·8	202	24	9·6	8·4	285	25	10·0	8.5	285	26	9·6	8·5	273
3·6 ,, .	28	4·8	1·1	125	27	4·4	0·4	169	11	4·7	0·5	063	20	11·5	10·9	280	19	11·7	11·3	281	24	12·3	11·0	274
4·5 ,, .	23	6·1	1·8	154	25	5·2	0·7	222					18	15·5	15·1	271	15	15·7	15·2	281	22	14·6	13·5	274
5·4 ,, .	21	5·3	0·5	170	23	5·2	1·9	250					7	17·0	15·8	273	4	19·0	17·6	266	20	17·3	16·1	275
6·0 ,, .	19	5·8	1·5	269	20	5·4	2·0	302					6	19·5	18·0	273	2	22·0	21·7	258	11	22·7	22·2	287
7·2 ,, .	11	5·8	1·5	251	12	7·4	4·7	290					3	24·3	24·1	263	1	22·0	21·7	255				
9·0 ,, .	4	5·3	3·2	213	2	8·0	7·4	235									1	38·0	38·0	260	5	26·2	23·2	258

Station	BHOPAL/BAIRAGARH								BHUBANESHWAR												BHUJ/RUDRAMATA			
Time in I. S. T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1·9	1·0	063	31	2·1	1·6	069	31	2·7	2·3	032	31	2·7	2·0	043	31	2·3	1·3	047	31	0·7	0·6	021
0·15 a. g. .	30	3·6	1·8	052	28	6·9	5·5	075	31	6·1	5·3	036	31	3·3	2·6	046	31	5·7	3·7	066	31	6·5	6·0	025
0·3 a. m. s. l. .									31	7·0	6·0	046	31	4·1	3·0	039	31	6·0	4·3	056	31	7·6	7·0	031
0·6 ,, .	30	3·6	1·8	059	28	6·3	5·0	076	31	7·3	6·5	046	31	4·5	3·4	027	31	5·7	4·3	043	31	7·0	6·3	036
0·9 ,, .	30	3·7	1·8	044	29	5·5	4·0	080	31	7·4	5·5	037	31	5·0	3·7	017	31	6·0	4·3	022	31	5·2	3·4	033
1·5 ,, .	30	4·0	1·4	330	29	3·5	1·5	264	31	7·3	4·2	025	30	9·7	4·1	003	31	5·9	3·5	007	31	4·6	1·9	229
2·1 ,, .	29	4·1	4·1	289	29	5·2	4·3	268	31	6·5	2·4	345	30	7·5	4·1	333	30	6·6	3·1	324	31	5·1	2·8	262
3·0 ,, .	28	7·2	6·8	294	28	7·2	6·3	269	29	9·5	2·9	285	27	7·0	4·0	292	22	6·2	3·7	281	31	6·4	5·0	272
3·6 ,, .	28	9·5	9·0	277	25	9·7	8·4	268	27	8·1	3·9	261	27	6·7	4·4	285	4	5·5	4·8	295				
4·5 ,, .	28	12·3	11·7	275					25	9·1	5·4	265	21	8·7	6·6	270								
5·4 ,, .	27	15·2	14·3	274					18	9·7	8·0	260	19	7·7	7·0	277								
6·0 ,, .	24	17·2	14·4	269					13	11·1	8·9	263	14	9·8	8·8	274								
7·2 ,, .	20	20·2	20·0	278					5	11·0	9·0	272	9	11·3	10·1	279								
9·0 ,, .	8	31·0	29·0	264									2	12·0	12·0	286								

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 Km. above mean sea level

December, 1965 (Agrahayana 10—Pausa 10, 1887 Saka)

Station	BHUJ/RUDRAMATA								BIKANER												BOMBAY/ SANTACRUZ			
Time in I. S. T.	1730				2330				0530				1730				2330				0530*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	4·3	3·8	026	31	1·6	1·5	357	31	0·1	0·1	045	31	0·8	0·4	019	31	0·4	0·3	004	31	1·4	1·0	067
0·15 a.g. .	31	5·5	5·1	022	31	6·5	5·8	015	31	5·0	3·0	074	31	3·6	2·5	022	30	6·5	4·4	042	31	4·2	3·6	047
0·3 a.m.s.l. .	31	5·5	5·2	022	31	7·0	6·4	021	31	4·3	2·6	082	31	3·2	2·3	015	30	5·8	4·2	039	31	4·5	3·6	057
0·6 ,, .	31	5·5	5·1	022	31	7·5	7·0	030	31	4·8	2·8	066	31	4·0	2·6	015	30	5·6	2·6	007	31	5·1	3·6	072
0·9 ,, .	31	5·0	4·4	020	31	6·5	6·0	038	31	4·4	1·9	048	31	4·3	3·1	031	30	5·0	2·7	056	31	5·6	3·0	086
1·5 ,, .	31	4·8	2·2	345	30	4·4	0·8	248	31	4·4	1·8	323	31	4·	2·2	008	30	4·1	0·8	257	31	5·0	1·3	134
2·1 ,, .	30	5·5	3·2	276	30	5·1	2·3	260	31	5·7	2·3	252	31	4·8	2·0	288	30	5·4	3·1	266	31	4·5	2·0	126
3·0 ,, .	30	7·5	6·0	270	30	6·7	5·4	272	31	8·6	6·2	282	31	7·9	5·4	268	30	7·7	5·5	264	31	4·5	0·5	218
3·6 ,, .	30	8·2	6·6	271	1	9·0	9·0	245	31	10·6	8·7	279	31	10·0	6·6	271	23	11·1	8·0	180	30	4·6	1·1	249
4·5 ,, .	30	9·6	8·1	269					31	16·7	15·2	275	31	14·5	12·6	271	7	15·0	10·4	281	30	5·6	3·4	278
5·4 ,, .	30	11·8	10·4	270					31	21·2	19·5	277	31	19·6	17·3	272					30	7·9	5·7	282
6·0 ,, .	30	14·5	12·9	272					31	24·2	22·2	277	29	22·4	20·3	275					30	9·3	6·9	276
2 ,, .	5	18·0	18·0	285					21	30·1	29·1	273	19	27·4	26·6	286					30	13·2	11·3	279
0 ,, .									7	49·6	48·3	262	4	49·3	48·5	282					30	18·2	15·7	271

Station	BOMBAY/SANTACRUZ												CALCUTTA/DUM DUM											
Time in I. S. T.	1130				1730*				2330				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1·4	1·3	083	31	3·4	2·9	332	31	1·5	1·3	012	31	0·5	0·4	009	31	1·3	1·1	340	31	0·2	0·2	360
0·15 a. g. .	31	3·1	2·6	074	31	6·1	5·7	326	31	5·4	5·0	007	31	6·5	5·9	010	31	3·5	3·2	351	31	4·6	4·0	348
0·3 a. m. s. l. .	31	3·9	3·1	087	31	5·6	5·1	334	31	5·5	4·8	010	31	6·2	5·6	010	31	3·8	3·4	358	31	4·6	3·9	350
0·6 ,, .	31	4·5	3·1	095	31	4·5	3·6	356	31	5·1	4·1	022	31	5·5	4·5	014	31	4·6	3·9	358	31	4·9	4·1	353
0·9 ,, .	31	4·3	2·0	094	31	3·9	2·8	028	31	4·6	3·4	042	31	5·1	4·0	355	31	5·0	3·9	354	31	4·8	4·0	352
1·5 ,, .	30	4·6	1·0	111	31	4·5	2·2	070	31	4·7	2·2	097	31	5·4	4·1	325	31	5·7	3·9	353	31	5·3	3·4	335
2·1 ,, .	30	3·7	0·7	136	31	4·5	2·2	097	30	5·3	3·5	130	31	6·5	5·3	298	28	6·9	5·5	303	31	7·0	5·6	302
3·0 ,, .	30	3·8	1·3	040	31	3·9	1·3	085	27	3·8	1·2	122	31	8·0	7·2	279	24	9·8	9·1	280	31	8·9	7·9	274
3·6 ,, .	30	4·0	0·7	315	31	4·0	0·2	012	24	3·5	1·1	277	30	8·9	8·1	268	23	11·7	10·7	274	31	10·0	9·2	272
4·5 ,, .	28	5·6	2·8	282	30	5·3	2·8	283	20	5·5	4·3	259	30	11·3	10·1	273	20	23·5	12·7	267	31	11·5	10·6	272
5·4 ,, .	27	7·6	5·9	280	30	6·5	4·2	271	11	7·3	6·6	283	30	13·4	12·5	271	17	14·8	14·0	266	31	14·2	12·9	270
6·0 ,, .	27	9·7	8·1	283	30	8·0	6·0	283	10	9·7	8·9	284	30	14·6	13·7	272	14	17·1	26·3	264	31	15·3	13·9	269
7·2 ,, .	23	14·0	12·3	287	29	11·1	9·0	281	3	12·0	11·8	290	30	18·1	16·6	272	6	22·7	22·6	279	31	17·7	16·2	270
9·0 ,, .	22	19·0	16·5	275	29	16·7	14·1	272					30	23·1	21·7	265					31	22·3	20·3	262

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 Km. above mean sea level

December, 1965 (Agrahayana 10—Pausa 10, 1887 Saka)

Station	CALCUTTA/ DUMDUM				COCHIN/WILLINGDON †												DEHRA DUN							
Time in I. S. T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	0·7	0·2	360	31	2·0	1·3	082	31	2·2	1·0	251	31	1·1	0·6	117	31	0·2	0·1	083	31	0·6	0·4	040
0·15 a.g.	31	5·3	4·4	010	28	3·7	2·9	078	25	3·6	2·9	259	26	2·6	0·5	075	31	1·3	0·9	033	31	2·1	1·3	268
0·3 a. m. s. l.	31	5·4	4·5	009	28	3·7	2·5	082	25	3·4	2·4	270	26	3·0	0·5	121								
0·6 ,,	31	5·4	4·4	003	28	3·5	1.1	088	25	3·0	1·5	324	26	3·3	0·9	054								
0·9 ,,	31	5·2	4·1	353	28	3·9	1·1	078	25	3·7	2·0	034	26	3·8	1·3	081	31	1·3	0·7	087	31	2·1	1·3	266
1·5 ,,	31	5·0	3·2	328	27	4·8	2·0	052	24	6·1	3·7	067	25	4·4	2·1	046	31	2·1	0·4	132	31	2·4	0·7	278
2·1 ,,	30	6·3	4·7	277	27	6·0	2·0	052	24	6·0	2·9	062	23	6·3	1·9	044	31	3·0	1·3	140	31	2·6	0·6	078
3·0 ,,	24	8·5	7·0	285	18	6·8	0·9	084	24	6·3	0·2	045	18	6·9	1·3	098	30	4·5	1·2	219	30	3·9	1·7	140
3·6 ,,	5	7·0	6·9	260	11	5·3	0·6	240	17	6·7	1·1	181	7	6·4	2·1	082	29	5·6	3·5	257	30	4·6	0·8	172
4·5 ,,	1	12·0	12·0	315	1	6·0	6·0	070	9	5·2	1·4	062	2	8·0	7·9	084	29	10·6	7·7	263	29	8·0	4·3	267
5·4 ,,									3	4·0	1·8	053					29	16·1	14·9	269	29	13·0	11·4	272
6·0 ,,									3	5·0	4·0	026					28	19·7	18·5	270	29	16·4	11·5	271
7·2 ,,																	22	25·1	22·6	268	28	24·5	22·5	278
9·0 ,,																	3	30·3	29·6	280	4	30·0	30·0	271

Station	DIBRUGARH/MOHANBARI																GADAG							
Time in I. S. T.	0530				1130				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	1·5	1·4	048	31	0·7	0·6	054	31	1·6	1·5	054	31	0·8	0·7	047	31	4·5	3·3	119	31	4·2	3·2	085
0·15 a.g.	28	5·2	4·9	046	30	2·5	2·0	048	31	2·4	2·1	056	31	2·9	2·6	053	29	7·5	5·9	110	31	6·0	4·3	083
0·3 a. m. s. l.	28	5·3	5·0	045	30	2·5	2·1	043	31	2·3	2·1	054	31	2·8	2·3	055								
0·6 ,,	28	5·0	4·7	041	30	3·0	2·8	049	31	2·4	2·2	058	31	2·6	2·2	060								
0·9 ,,	28	4·5	4·3	052	30	3·3	3·1	057	31	2·8	2·5	060	31	3·2	2·1	055	29	8·5	6·8	108	31	6·3	4·3	085
1·5 ,,	28	3·6	3·1	070	30	2·8	1·9	079	30	2·3	1·5	097	31	2·9	0·6	127	27	7·5	5·6	090	29	5·8	4·0	092
2·1 ,,	27	3·0	1·3	083	30	2·7	1·2	101	30	3·5	2·1	153	30	2·9	1·9	200	27	6·0	3·0	093	26	5·0	3·9	091
3·0 ,,	25	4·1	0·9	214	30	4·9	2·0	202	30	5·2	3·0	237	27	4·4	2·9	211	25	5·8	0·9	129	24	4·7	1·6	063
3·6 ,,	21	6·4	1·9	279	27	7·4	4·4	243	30	6·9	5·5	235	16	5·0	3·0	239	21	5·0	1·0	106	24	5·5	0·4	081
4·5 ,,	16	11·5	7·3	278	24	13·6	11·3	261	27	15·7	11·7	251					20	4·7	2·4	075	21	4·4	2·3	956
5·4 ,,	13	17·0	12·2	277	20	17·4	15·2	269	19	20·2	18·6	265					20	6·4	3·3	079	19	5·7	2·4	063
6·0 ,,	11	17·0	13·6	283	19	25·8	19·1	266	15	20·0	18·7	272					20	6·7	3·3	067	19	6·5	2·4	040
7·2 ,,	2	20·5	18·6	294	19	37·0	26·5	250	9	27·0	26·6	272					20	6·9	2·1	016	17	6·7	0·9	345
9·0 ,,	1	26·0	26·0	294	15	37·1	36·0	275									17	5·7	1·9	236	12	6·7	4·6	266

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9·0 Km. above mean sea level

December, 1965 (Agrahayana 10,—Pausa 10, 1887 Saka)

Station	GADAG				GANGTOK								GAUHATI											
Time in I. S. T.	2330				0830				1730				0530*				1130				1730*			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	4·6	3·7	096	31	0·5	0·5	027	31	1·4	1·3	182	31	0·2	0·2	052	31	1·5	1·2	034	31	0·2	0·1	061
0·15 a. g. .	31	8·4	6·4	088	31	1·5	0·4	038	31	2·7	2·5	176	31	2·4	1·8	086	31	2·7	2·3	053	31	3·3	2·5	066
0·3 a. m. s. l. .													31	2·6	2·0	083	31	3·2	2·8	070	31	3·3	2·5	070
0·6 ,, .													31	4·8	4·0	084	31	4·5	4·1	083	31	3·5	2·6	076
0·9 ,, .	31	8·5	6·6	090									31	5·2	4·5	081	31	5·3	4·7	093	31	3·3	2·0	082
1·5 ,, .	28	7·1	5·4	084									31	5·4	4·3	084	31	5·5	4·0	101	31	3·7	0·3	221
2·1 ,, .	28	5·8	2·9	078	31	1·3	0·1	171	31	1·8	2·2	170	31	5·5	2·4	094	30	5·0	0·9	106	31	5·0	3·1	240
3·0 ,, .	27	5·4	1·0	060	31	2·1	1·6	142	29	1·6	0·2	107	31	8·5	5·6	262	28	8·1	6·2	262	31	9·1	7.1	255
3·6 .	26	5·0	0·6	171	31	2·4	0·4	170	25	2·2	0·1	290	31	13·2	9·8	265	28	13·1	12·1	267	31	12·7	11·7	259
4·5	14	4·6	3·4	095	31	10·4	9·9	252	22	9·8	9·1	253	31	15·6	14·8	265	26	18·1	17·6	266	31	18 3	17·7	262
5·4 ,, .	8	0·6	4·9	096	30	19·2	18·7	255	21	17·4	16·7	257	31	20·7	20·0	266	24	21·7	21·2	268	31	22·1	21·9	267
6·0 ,, .	5	5·4	4·0	059	27	21·3	20·8	258	20	20·8	20·3	260	31	24·4	23·5	265	22	24·5	23·8	269	31	24·6	28·3	266
7·2 ,, .	2	3·5	3·3	008	17	27·3	26·1	262	11	26·7	25·5	265	31	28·5	27·4	266	16	31·2	30·5	271	30	29·5	28·1	264
9·0 ,, .					5	32·2	30·0	275	3	41·0	36·4	269	31	37·9	36·5	266	8	38·0	37·1	272	29	37·8	35·7	263

Station	GAUHATI				GAYA												GOA/DABOLIM							
Time in I. S. T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	0·3	0·1	065	31	0·8	0·5	210	31	1·5	1·2	304	31	0·7	0·2	244	31	3·6	3·1	061	31	5·3	3·0	305
0·15 a. g. .	31	2·2	1·4	083	31	3·3	1·8	295	31	3·5	2·8	312	31	3·9	3·2	335								
0·3 a. m. s. l. .	31	2·7	2·0	083	31	3·3	2·2	306	31	3·4	2·6	312	31	4·0	3·1	330	28	5·6	4·3	085	28	4·3	2·1	318
0·6 ,, .	31	3·6	3·1	084	31	3·6	2·6	329	31	3·5	2·8	310	31	4·2	3·4	324	28	6·9	5·8	094	28	4·1	1·5	043
0·9 ,, .	31	3·8	2·8	076	31	4·6	3·3	322	31	3·7	2·8	311	31	4·2	3·7	296	28	7·2	6·6	096	28	4·5	3·4	068
1·5 ,, .	31	3·8	1·7	057	31	6·5	4·7	310	31	5·6	4·1	299	31	7·0	4·8	283	25	5·9	4·8	089	28	7·9	7·1	07[illegible]
2·1 ,, .	30	4·1	0·7	088	31	7·8	6·0	292	31	8·0	6·4	295	31	7·1	5·0	284	23	4·4	2·8	092	26	6·5	5·9	08[illegible]
3·0 ,, .	25	8·0	4·4	262	29	9·2	7·8	290	29	11·4	10·5	286	28	8·5	7·2	286					20	4·5	3·4	070
3·6 ,, .	12	12·0	11·2	265	26	10·1	9·0	285	27	13·0	12·7	282	11	8·4	7·2	280					8	4·3	0·7	180
4·5 ,, .	1	13·0	13·0	230	20	13·2	12·3	278	25	15·2	13·4	283	2	22·5	19·1	297					3	4·3	4·3	10[illegible]
5·4 ,, .					17	17·5	16·4	280	18	16·7	16·1	278												
6·0 ,, .					13	18·3	17·8	278	16	18·4	17·8	277												
7·2 ,, .					6	19·5	18·0	276	7	24·0	23·2	277												
9·0 ,, .									1	22·0	22·0	290												

Table IV—Monthly Mean Directions and Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

December, 1965 (Agrahayana 10—Pausa 10, 1887 Saka)

Station	GOA/DABOLIM				GOPALPUR												GORAKHPUR							
Time in I. S. T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	4·0	3·3	031	31	2·7	2·6	333	31	3·4	2·6	081	31	1·6	1·0	338	31	0·6	0·5	295	31	0·6	0·4	268
0·15 a. g. .					30	5·7	4·7	003	31	5·5	4·6	078	31	4·2	3·1	055	31	4·7	3·2	303	31	2·8	2·0	273
0·3 a. m. s. l. .	29	5·7	3·5	019	30	5·9	4·9	035	31	5·2	4·3	063	31	4·5	3·8	054	31	4·8	3·7	307	31	2·9	2·1	275
0·6 ,, .	29	7·1	3·9	021	30	6·9	5·5	048	31	5·3	3·9	034	31	5·2	4·0	050	31	4·2	3·3	302	31	3·5	2·0	284
0·9 ,, .	29	5·6	3·2	056	30	7·3	6·1	042	31	5·9	4·5	011	31	5·8	4·8	029	31	4·2	2·1	299	31	3·9	2·1	291
1·5 ,, .	26	6·4	5·5	081	30	7·2	5·7	033	31	7·3	5·1	001	31	5·8	3·3	025	31	5·0	2·1	289	31	5·2	2·9	301
2·1 ,, .	24	6·0	5·1	085	27	6·6	2·3	030	30	7·0	3·4	346	24	5·7	1·7	035	30	6·4	4·0	287	31	6·7	4·2	300
3·0 ,, .	10	5·9	2·8	136	24	6·0	1·8	284	29	6·6	3·0	295	18	4·7	1·7	310	30	8·8	6·6	274	31	8·7	7·8	289
3·6 ,, .	1	4·0	4·0	180	21	6·1	3·3	275	28	6·8	4·0	278	1	5·0	5·0	210	28	10·1	8·1	278	31	11·5	11·0	284
4·5 ,, .					16	6·1	3·1	271	23	7·0	4·5	283					28	14·3	11·1	273	27	16·2	15·4	277
5·4 ,, .					14	8·0	5·3	288	21	8·6	6·3	275					18	18·3	16·2	269	20	19·5	18·4	275
6·0 ,, .					14	8·0	4·8	280	21	8·8	5·4	276					14	20·6	18·9	269	16	22·6	20·7	273
7·2 ,, .					2	12·0	11·9	264	6	10·5	8·7	270					3	24·0	23·2	243	6	30·0	28·3	273
9·0 ,, .									1	10·0	10·0	225					1	24·0	24·0	260				

Station	GWALIOR																IMPHAL/TULIHAL							
Time in I. S. T.	0530				1130				1730				2330				0530				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	0·1	0·1	330	31	1·2	0·4	069	31	1·4	0·7	016	31	0·2	0·0	287	31	CALM			31	0·1	0·1	210
0·15 a. g. .	31	3·7	1·1	063	31	2·7	1·2	068	31	3·2	2·0	027	31	4·5	2·3	062	31	1·8	0·9	086	30	1·4	0·8	205
0·3 a. m. s. l .	31	3·1	0·7	076	31	2·3	1·2	064	31	2·9	1·7	024	31	4·0	2·1	067								
0·6 ,, .	31	4·0	1·3	081	31	2·9	0·7	065	31	3·4	1·9	019	31	4·4	1·6	063								
0·9 ,, .	31	4·2	0·2	328	31	3·9	0·3	115	31	3·2	1·5	012	31	4·1	0·4	352	22	1·8	1·0	078	30	1·3	0·7	203
1·5 ,, .	31	4·7	2·6	301	31	4·7	3·3	285	31	4·6	2·9	307	31	4·6	2·9	287	22	2·3	1·6	094	30	2·4	1·5	165
2·1 ,, .	31	5·8	4·9	282	31	6·4	5·7	272	31	6·6	5·7	283	30	5·3	4·5	284	22	4·7	3·5	197	29	6·1	4·1	242
3·0 ,, .	31	9·3	8·3	279	31	9·5	8·6	271	31	9·6	8·8	281	27	8·0	7·4	275	19	12·0	11·1	259	27	13·1	12·9	265
3·6 ,, .	31	11·6	10·4	271	31	12·0	10·9	270	31	11·7	10·9	276	12	9·0	8·6	274	12	14·2	13·3	265	26	14·7	13·9	265
4·5 ,, .	31	14·3	13·1	271	31	15·3	14·7	271	31	15·4	14·5	273	8	12·5	12·4	277	9	17·1	15·7	268	23	18·4	18·0	270
5·4 ,, .	28	18·3	17·1	269	29	18·4	18·0	273	30	18·0	17·0	275					5	19·2	18·6	273	14	22·8	22·3	272
6·0 ,, .	27	20·7	20·2	283	29	22·0	21·3	272	27	20·0	19·1	273					1	29·0	28·9	295	6	25·0	24·5	273
7·2 ,, .	23	24·7	23·4	275	24	28·0	26·7	267	21	26·4	25·0	275									4	23·5	22·7	273
9·0 ,, .	9	33·2	32·2	270	11	35·0	33·2	265	8	35·5	34·8	273									3	29·3	28·1	268

Table IV—Monthly Mean Directions And Velocities of Upper Winds

Winds upto 9.0 Km. above mean sea level

December, 1965 (Agrahayana 10—Pausa 10, 1887 Saka)

Station	IMPHAL/TULIHAL								JABALPUR												JAGDALPUR			
Time in I. S. T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	0·6	0·4	237	31	0·4	3·3	038	31	0·4	0·2	103	31	1·2	1·0	013	31	0·4	0·2	055	31	0·3	0·3	04
0·15 a.g.	30	2·0	1·4	200	28	1·6	0·8	032	29	3·7	2·7	093	30	3·8	3·4	013	31	5·3	4·5	054	30	4·2	3·6	05
0·3 a.m.s.l.																								
0·6 ,,									29	4·4	3·2	087	30	3·9	3·4	013	31	5·6	4·6	054	30	2·0	1·7	05
0·9 ,,	30	1·9	1·3	208	28	1·8	0·9	037	28	4·8	2·6	035	30	3·8	2·8	009	30	4·6	3·6	047	30	5·8	5·3	06
1·5 ,,	30	2·6	1·6	201	28	2·3	1·6	141	28	4·9	3·2	338	30	4·5	2·8	328	30	4·0	1·7	309	30	5·2	4·0	04
2·1 ,,	30	5·5	4·6	244	27	4·7	3·3	223	28	5·7	4·3	295	30	6·0	4·7	295	30	5·7	4·3	272	29	4·7	2·0	02
3·0 ,,	28	13·0	11·5	264	26	12·1	11·2	262	28	8·4	7·1	280	28	8·3	7·3	287	27	8·0	6·4	278	25	4·0	1·2	33
3·6 ,,	28	16·4	15·4	261	22	15·5	14·5	265	27	10·3	9·0	275	27	9·9	8·9	279	19	8·5	7·1	271	24	4·2	1·3	29
4·5 ,,	23	19·8	18·3	267	4	18·7	18·5	262	24	11·8	10·3	271	27	12·2	11·3	277	5	9·2	9·0	258	21	5·6	2·2	26
5·4 ,,	16	22·7	21·4	275					22	14·4	13·1	270	27	15·5	14·8	274					18	6·5	3·8	29
6·0 ,,	13	24·8	22·4	279					18	16·5	15·3	264	26	18·0	17·1	275					17	7·1	4·2	27
7·2 ,,	9	26·4	25·8	273					14	20·2	18·0	266	20	21·1	20·5	276					16	9·0	5·8	27
9·0 ,,	2	25·5	25·3	266									6	29·0	26·6	265					13	12·6	11·5	27

Station	JAGDALPUR								JAIPUR/SANGANER												JAMSHEDPUR			
Time in I. S. T.	1730				2330				0530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	1·3	0·7	045	31	0·7	0·7	053	31	0·7	0·5	059	31	1·1	0·2	066	31	1·2	0·9	056	31	0·9	0·7	31
0·15 a.g.	31	3·8	2·7	040	31	5·9	5·4	061	31	4·6	3·4	082	31	2·9	0·4	067	31	6·4	4·1	069	31	3·1	2·3	32
0·3 a.m.s.l.																					31	3·2	2·4	34
0·6 ,,	31	2·7	1·8	041	31	4·3	3·8	062	31	4·8	3·4	093	31	3·0	0·5	035	31	6·3	4·0	073	31	4·2	3·0	01
0·9 ,,	31	4·0	2·9	037	31	5·8	5·1	050	31	4·7	1·8	143	31	2·9	0·7	342	31	4·9	2·9	090	31	5·0	3·2	00
1·5 ,,	31	3·5	2·5	019	31	3·8	2·4	040	31	4·8	2·7	236	31	3·9	2·0	311	31	4·1	1·4	235	31	6·0	4·0	32
2·1 ,,	29	3·9	1·9	019	31	4·2	0·9	349	31	6·6	4·5	256	31	6·1	4·0	273	31	5·9	3·6	268	31	7·3	5·6	30
3·0 ,,	28	4·1	1·3	321	31	4·0	1·8	287	30	8·8	7·4	274	31	10·1	8·3	272	30	8·6	7·1	273	30	9·1	7·9	27
3·6 ,,	27	5·1	2·3	287	25	4·2	2·4	279	28	11·6	10·7	277	31	11·9	10·5	266	11	8·5	8·2	279	28	10·0	8·9	27
4·5 ,,	24	6·7	3·7	280	13	5·8	3·4	280	27	15·6	14·7	274	30	14·6	12·5	272	2	12·0	11·6	274	23	12·2	10·9	27
5·4 ,,	20	7·0	3·9	282	6	6·8	6·3	272	23	17·8	17·3	276	26	18·2	15·7	274					19	14·7	13·7	26
6·0 ,,	18	7·7	5·1	283	3	11·7	11·4	268	20	19·0	18·4	275	21	21·9	18·5	274					15	14·5	13·6	26
7·2 ,,	17	8·1	5·3	271					2	34·0	33·0	278	12	25·6	24·7	271					5	17·0	15·9	26
9·0 ,,	15	12·0	9·8	269																	2	22·0	21·9	23

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level.

December, 1965 (Agrahayana 10—Pausa 10, 1887 Saka)

Station	JAMSHEDPUR				JHARSUGUDA												LUCKNOW/AMAUSI							
Time in I.S.T.	1730				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	1·0	0·7	338	31	2·2	2·1	030	31	1·0	0·3	029	31	1·0	0·6	031	31	1·0	0·6	285	31	1·6	1·2	293
0·15 a. g.	31	2·5	1·9	345	31	4·9	3·0	012	31	2·7	1·3	019	31	3·4	2·2	048	31	4·2	2·4	327	31	3·2	2·5	296
0·3 a. m. s. l.	31	2·5	1·9	345	31	4·3	4·2	047	31	2·3	1·1	015	31	3·0	2·1	044	31	4·1	2·5	325	31	3·2	2·4	300
0·6 ,,	31	3·1	2·7	346	31	4·7	4·1	059	31	2·7	1·5	012	31	3·5	2·2	039	31	3·7	2·0	310	31	3·1	2·4	303
0·9 ,,	31	3·8	3·1	346	31	4·1	3·1	041	31	3·0	1·8	008	31	3·5	2·2	035	31	4·0	2·1	305	31	3·9	3·1	303
1·5 ,,	31	5·4	4·1	323	31	5·2	2·9	342	31	5·1	3·6	345	31	4·3	2·4	351	31	4·9	3·6	303	31	5·4	4·7	304
2·1 ,,	29	8·1	6·8	303	30	6·2	4·1	310	31	6·6	5·1	320	31	5·9	3·7	306	31	6·5	5·3	294	31	6·5	5·7	300
3·0 ,,	28	9·2	7·7	284	30	7·4	5·8	281	31	8·0	6·3	284	29	7·7	5·4	272	31	9·0	7·9	291	30	8·9	8·1	286
3·6 ,,	25	10·8	9·7	278	28	8·8	7·3	276	30	9·4	8·1	279	3	10·0	9·9	299	30	11·4	10·0	282	27	10·9	10·1	279
4·5 ,,	23	13·7	12·4	274	27	10·3	8·6	275	28	11·6	10·5	277					27	13·9	13·0	278	24	15·0	14·4	277
5·4 ,,	20	16·1	14·9	271	25	13·5	12·0	272	27	13·9	12·9	278					23	17·3	16·0	273	22	19·4	19·3	276
6·0 ,,	16	17·4	16·0	274	23	14·9	13·5	274	25	15·4	14·0	276					20	20·3	19·1	274	21	22·5	21·9	276
7·2 ,,	4	13·3	13·2	282	19	17·3	15·9	273	22	17·3	16·2	272					8	25·0	23·5	269	15	28·3	27·7	274
9·0 ,,					10	21·8	20·4	275	16	21·6	19·8	270												

Station	LUCKNOW/AMAUSI				MADRAS/MINAMBAKKAM																MANGALORE/BAJPE			
Time in I.S.T.	2330				0530*				1130				1730*				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface	31	0·8	0·7	275	31	4·1	3·6	032	31	3·3	2·7	030	31	4·8	4·2	037	31	2·8	1·9	035	31	2·6	2·5	094
0·15 a.g.	30	3·8	2·7	305	30	6·6	5·5	030	29	6·1	4·7	045	31	6·7	6·0	035	29	6·7	5·3	047	29	5·5	5·0	099
0·3 a. m. s. l.	30	3·7	2·8	305	30	6·9	5·7	037	29	6·2	4·9	045	31	6·7	5·9	035	29	7·3	6·1	051	29	5·8	5·2	100
0·6 ,,	30	3·6	2·5	309	30	7·1	5·7	048	29	7·0	5·5	047	31	7·0	5·9	040	29	8·1	6·8	054	29	6·6	5·3	100
0·9 ,,	30	4·6	3·0	322	30	7·4	6·1	056	29	7·1	5·7	053	31	6·8	5·6	045	28	8·0	6·7	055	29	7·0	5·1	100
1·5 ,,	30	5·5	4·1	310	30	6·9	5·4	058	18	6·8	5·1	062	31	6·1	4·4	050	27	7·7	5·8	051	28	7·5	5·1	097
2·1 ,,	30	6·7	5·3	298	30	6·3	3·7	057	8	6·4	3·5	038	31	6·1	3·9	056	23	6·4	4·2	044	27	6·9	4·4	097
3·0 ,,	25	7·9	7·3	292	30	6·4	2·3	070	2	7·0	6·7	280	31	5·7	1·5	083	20	4·6	1·3	019	24	5·7	3·4	099
3·6 ,,	3	8·3	7·1	272	30	6·4	1·4	130	1	9·0	9·0	305	31	6·5	1·0	110	15	5·7	1·0	258	22	4·8	3·3	108
4·5 ,,					30	6·0	2·2	122	1	12·0	12·0	290	31	5·9	1·2	126	5	6·2	3·7	252	18	5·6	3·3	117
5·4 ,,					30	6·4	2·2	094					31	6·0	1·8	078	2	8·5	5·5	349	17	5·9	4·1	096
6·0 ,,					30	6·5	3·0	065					31	6·4	2·7	070	1	5·0	5·0	060	14	6·5	4·7	082
7·2 ,,					30	6·3	2·9	070					30	6·1	2·2	068					12	6·6	5·4	075
9·0 ,,					30	5·8	1·4	107					30	5·5	0·6	124					6	4·8	2·2	078

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS
Winds up to 9·0 Km. above mean sea level.

December, 1965 (Agrahayana 10—Pausa 10, 1887 Saka)

Station	MANGALORE/BAJPE								MINICOY															
Time in I.S.T.	1730				2330				0530				1130				1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	3·6	1·4	259	31	1·4	1·0	079	31	2·1	0·2	304	31	3·0	0·6	264	31	3·0	1·5	276	31	3·1	0·3	34
0·15 a.g. . .	28	4·8	2·1	282	31	4·2	1·5	005	27	4·2	1·3	328	29	4·7	1·3	336	30	4·5	1·6	305	28	4·6	2·0	00
0·3 a.m.s.l. .	28	4·7	1·7	278	31	4·4	1·7	354	27	4·6	1·4	305	29	4·9	1·7	320	30	4.9	1.8	320	28	4.6	2.1	00
0·6 ,, .	28	3·5	1·0	065	31	4·6	1·2	023	27	5·4	1·5	335	28	5·8	1·8	322	30	5·5	1·9	344	27	4·8	2·5	01
0·9 ,, .	28	4·2	2·7	074	29	5·4	2·3	066	26	5·9	2·2	025	24	6·1	2·2	356	30	5·7	1·4	353	26	5·2	2·1	03
1·5 ,, .	28	7·1	6·4	085	28	6·6	5.0	088	25	7·1	1·6	026	19	6·6	0·9	305	30	6·0	0·8	319	25	6·2	2·2	06
2·1 ,, .	27	8·5	7·3	087	24	6.5	5·5	098	24	6·9	0·8	030	14	7·9	1·5	288	30	6·7	0·2	036	19	6·7	4·1	06
3·0 ,, .	24	5·6	2·7	068	19	5·5	1·2	108	21	7·1	0·9	273	12	7·2	2·2	280	30	7·5	1·1	226	15	6·4	2·9	28
3·6 ,, .	24	5·0	1·6	086	14	5·4	1.6	137	18	6·9	0·8	298	8	5·5	1·3	178	30	8·2	0·7	203	9	5.4	4·6	08
4·5 ,, .	22	4·7	3·0	098	9	5·3	2·8	109	14	6·4	1·8	048	8	5·4	2·1	125	30	6·8	1·1	156	4	2·3	1·9	10
5·4 ,, .	21	5·9	4·0	074	5	8·4	7·1	093	11	5·7	4·3	083	7	5.7	4.1	112	30	7·4	2·4	094	1	5·0	5·0	05
6·0 ,, .	21	6·5	4·7	068	3	8·0	6·8	094	10	6·4	4·6	085	7	5.7	4.7	095	30	6·7	2·4	088				
7·2 ,, .	17	8·2	5·9	057	1	10·0	10·0	080	9	9·3	7·5	072	7	9.0	6.3	077	30	8·1	3·6	080				
9·0 ,, .	14	6·0	3·1	085					5	6·2	5·4	095	5	10.8	10.0	086	30	8·0	5·1	104				

Station	NAGPUR/SONEGAON																NEW DELHI/SAFDARJUNG							
Time in I.S.T.	0530*				1130				1730*				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	0·6	0·6	042	31	1·7	1·4	062	31	0·5	0·5	066	31	1·1	1·0	042	31	0·8	0·6	300	31	0·9	0·5	230
0·15 a.g. .	31	4·0	3·6	051	31	3·0	2·6	057	31	2·6	1·8	056	31	6·1	5·0	070	31	4·6	2·5	310	31	3·1	1·1	310
0·3 a. m. s. l. .																	31	4·2	2·4	310	31	3·2	1·8	254
0·6 ,, .	31	3·9	3·5	058	31	3·4	3·1	080	31	2·5	1·6	058	31	6·0	5·1	076	31	4·5	2.4	312	31	3·9	1·5	315
0·9 ,, .	31	3·3	2·2	082	31	3·7	2·5	092	31	2·5	1·4	052	31	4·8	3·8	080	31	4·5	2·4	306	31	4·1	2·0	301
1·5 ,, .	31	3·4	0·7	004	31	4·1	1·1	355	31	3·5	1·8	004	31	4·3	1·8	055	31	4·9	2·8	288	31	4·3	2·4	275
2·1 ,, .	31	4·4	2·1	280	31	5·0	2·2	305	31	4·4	2·5	317	29	4·8	1·7	313	31	5.5	3·4	277	31	4·8	2·9	262
3·0 ,, .	31	4·6	3·0	285	30	5·4	3·1	279	31	5·0	3·4	288	27	4·6	3·0	270	31	7·7	5·9	277	30	6·8	5·5	273
3·6 ,, .	31	5·6	4·3	285	28	6·5	4·6	272	31	5·6	4·5	282	17	5·2	3·8	285	31	9·5	7·6	272	29	9·9	8·6	275
4·5 ,, .	31	6·8	5·9	272	26	8·8	7·3	276	31	8·0	7·1	277	6	6·5	5·8	288	31	13·8	12·5	270	28	13·6	12·3	278
5·4 ,, .	31	9·6	8·8	268	23	11·6	10·6	271	31	9·6	8·4	271	2	7·5	7·1	291	31	19·5	17·8	270	28	18.1	17.1	279
6·0 ,, .	31	10·8	10·0	273	23	12·7	11·5	276	31	10·2	9·2	274	1	11·0	11·0	275	31	21·9	20·4	270	28	21.0	19.6	277
7·2 ,, .	30	12·7	11·8	271	21	17.5	15.5	275	30	12·7	11·7	276					31	29·4	28·1	270	25	27.2	25.6	276
9·0 ,, .	30	16·6	15·4	265	20	23.6	21.9	266	30	16·0	15·0	274					31	39·6	37·9	270	9	34.5	33.7	286

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

December, 1965 (Agrahayana 10—Pausa 10, 1887 Saka)

Station	NEW DELHI/ SAFDARJUNG				POONA												PORT BLAIR							
Time in I. S. T.	1730*				0530				1730				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	0·9	0·5	300	31	0·5	0·1	118	31	0·8	0·5	105	31	0·5	0·4	093	31	5·5	3·3	077	31	5·4	2·8	078
0·15 a.g. . .	31	4·0	2·2	308	30	4·3	3·2	099	30	3·2	1·5	080	30	4·4	1·9	094	31	8·0	5·5	076	29	8·1	6·1	078
0·3 a.m.s.l. .	31	2·7	1·4	304													31	8·3	5·6	077	29	8·0	5·9	079
0·6 ,, .	31	4·0	2·0	320	30	2·1	0·7	133	30	2·5	1·4	085	30	2·2	0·9	124	31	9·1	6·7	084	28	9·3	7·1	083
0·9 ,, .	31	3·9	2·0	321	30	6·0	5·1	105	30	3·7	1·9	083	30	6·0	3·4	074	28	9·4	7·8	089	25	10·1	8·4	088
1·5 ,, .	31	4·2	2·1	305	29	7·0	5·3	111	30	4·3	2·1	099	29	6·1	3·4	099	21	9·0	7·6	105	21	9·8	7·6	103
2·1 ,, .	31	4·9	3·4	284	28	4·7	2·2	131	27	3·7	1·4	123	26	4·8	3·6	112	20	8·9	7·5	105	16	10·3	7·7	111
3·0 ,, .	31	7·0	5·6	279	26	3·5	0·2	163	24	3·2	1·3	065	26	4·7	1·6	113	19	3·4	6·4	111	11	6·8	5·0	104
3·6 ,, .	31	9·1	7·7	281	20	3·9	1·0	250	23	3·7	0·5	356	24	4·2	0·8	114	19	7·7	5·4	110	9	6·8	4·8	110
4·5 ,, .	31	13·5	11·9	281	5	4·6	1·7	274	19	4·2	2·1	277	4	4·7	1·8	007	18	7·2	5·4	116	6	6·7	5·4	091
5·4 ,, .	31	18·2	16·8	276	3	6·7	2·4	156	19	6·1	4·8	273	1	6·0	6·0	334	17	8·4	5·2	112	4	9·7	5·9	111
6·0 ,, .	31	23·1	21·6	277	2	5·0	4·5	151	19	7·5	6·0	282					17	8·3	5·4	107	4	7·0	5·1	087
7.2 ,, .	31	31·4	29·4	272	1	4·0	4·0	280	16	11·9	10·2	277					17	6·9	4·9	103	3	10·3	9·2	094
9.0 ,, .	31	40·7	37·8	271	1	11·0	11·0	240	8	13·6	12·5	260					16	8·1	6·5	128	2	9·0	8·9	110

Station	PORT BLAIR								RAIPUR												RAXAUL			
Time in I. S. T.	1730*				2330				9530				1730				2330				0530			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	5·0	2.9	073	31	4.1	3·0	078	31	0·8	0·6	032	31	1·5	1·0	031	31	1·2	1·0	066	31	1·0	0·4	016
0·15 a.g. . .	31	7·8	5·2	081	30	7·5	3·2	084	31	4·6	4·4	058	31	3·4	1·3	037	31	5·4	4·4	070	25	3·1	1·5	328
0·3 a.m.s.l. .	31	8·1	5·3	082	30	7·9	5·1	088													25	3·1	1·8	315
0·6 , .	31	8·8	5.9	088	30	8·4	5·4	096	31	5·1	4·4	070	31	3·5	2·6	034	31	5·1	4·0	070	25	2·6	1·0	274
0·9 ,, .	28	9·6	6·4	103	26	8·3	5·8	105	31	4·1	3·3	067	31	3·9	2·8	037	31	4·3	2·8	069	25	3·0	0·1	239
1·5 ,, .	23	9·5	6·7	110	18	8·3	6·0	123	31	5·2	2·1	360	31	4·3	2·1	005	31	4·4	1·8	003	24	4·4	1·9	123
2·1 ,, .	22	9·6	6·7	113	11	6·6	6·0	112	31	6·0	3·8	306	31	5·9	3·4	305	31	4·8	2·5	302	24	5·5	0·8	307
3·0 ,, .	21	8·2	5·7	114	7	5·6	4·7	113	31	5·9	4·2	286	31	6·1	4·3	275	31	5·9	4·1	274	17	6·6	4·0	278
3·6 ,, .	17	6·7	4·6	120	5	4·0	3·8	119	30	7·5	5·4	275	31	7·4	6·2	272	27	7·3	5·3	272	14	8·8	8·5	273
4.5 ,, .	14	7·2	4·7	131	3	5·3	4·6	102	27	9·3	7·2	269	27	9·9	8·4	270	12	9·0	7·5	271	4	21·3	21·3	269
5·4 ,, .	14	9.1	5·8	137	1	6·0	6·0	119	24	11·5	10·1	272	25	11·7	10·5	272	5	10·0	8·2	273	4	14·3	13·5	267
6·0 ,, .	14	8·8	6·9	135	1	4·0	4·0	130	24	12·5	11·2	269	25	12·5	11·7	272	4	11·2	9·3	260	4	19·0	17·8	267
7·2 ,, .	13	7·5	4.1	110					19	14·9	12·6	273	24	15·3	14·0	269	1	16·0	16·0	230	1	22·0	22·0	246
9.0 ,, .	11	8·1	5.9	154					11	20·1	19·3	279	13	22·9	21·7	261								

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9.0 Km. above mean sea level

December, 1965 (Agrahayana 10—Pausa 10, 1887 Saka)

Station	RAXAUL				SRINAGAR								TIRUCHCHIRAPPALLI											
Time in I.S.T.	1730				0530*				1730*				0530				1730				2330			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	1.3	1.1	232	19	0.6	0.1	166	20	0.7	0.4	348	31	3.5	2.6	004	31	3.4	2.7	050	31	3.7	2.3	048
0.15 a. g. .	31	3.3	2.5	248	19	1.9	1.2	139	20	2.1	0.5	193	26	6.7	5.2	009	31	5.6	4.6	052	28	7.5	1.9	051
0.3 a. m. s. l. .	31	3.4	2.5	251									26	7.1	5.1	016	31	5.6	4.6	050	28	8.2	5.4	050
0.6 ,, .	31	2.9	2.0	271									25	8.5	5.3	029	29	6.5	5.1	050	27	8.6	6.3	048
0.9 ,, .	31	2.6	1.2	293									23	8.2	5.4	040	28	6.9	4.7	046	25	8.4	5.7	039
1.5 ,, .	31	3.1	1.2	053									21	7.0	3.9	044	25	7.6	3.7	026	23	7.1	5.3	044
2.1 ,, .	31	4.6	1.5	305	19	1.3	0.8	133	20	1.6	0.3	226	20	6.7	3.2	039	21	7.0	2.8	026	21	6.6	4.1	055
3.0 ,, .	30	7.5	5.7	279	19	3.0	1.6	144	20	3.9	2.1	159	18	7.6	1.1	070	19	5.9	0.8	334	20	6.5	1.4	070
3.6 ,, .	26	9.8	8.5	278	19	5.2	4.5	151	20	4.8	4.0	167	16	7.9	0.8	168	16	6.3	1.8	279	16	4.6	2.5	067
4.5 ,, .	19	14.5	14.0	274	19	8.1	6.1	171	19	5.8	4.0	185	11	5.3	0.9	130	15	4.9	1.0	293	13	5.1	2.7	095
5.4 ,, .	15	19.6	19.0	277	19	8.5	5.3	223	19	8.9	3.2	225	10	6.9	4.7	106	12	4.7	0.9	109	3	7.0	5.4	102
6.0 ,, .	13	22.7	22.0	274	19	10.5	7.3	243	19	10.8	5.2	249	9	5.8	4.5	084	11	5.5	2.8	077	2	2.5	2.4	046
7.2 ,, .	2	25.5	25.3	284	19	16.5	11.8	266	19	19.1	13.1	275	6	5.0	4.0	081	4	11.3	8.2	079				
9.0 ,, .					19	30.1	25.8	273	19	29.6	24.2	275	4	5.7	4.1	066	2	8.0	6 7	113				

Station	TRIVANDRUM																UDAIPUR							
Time in I. S.T.	0530*				1130				1730*				2330				5030				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	30	1.5	0.7	355	31	1.5	0.4	271	31	1.9	1.2	283	31	1.7	0.8	005	31	CALM			31	0.2	0.1	305
0.15 a. g. .	30	3.1	1.5	339	28	2.8	0.6	268	31	3.7	2.1	270	29	3.5	1.0	006	31	3.0	1.5	055	31	2.8	1.2	097
0.3 a. m. s. l. .	30	3.3	1.4	325	28	2.8	0.5	270	31	3.8	2.0	267	29	3.7	0.9	341								
0.6 ,, .	30	3.6	0.4	327	28	2.9	0.3	256	31	3.8	1.2	265	29	4.3	1.1	342								
0.9 ,, .	29	4.7	0.5	029	28	3.6	0.3	249	31	4.6	1.5	355	28	5.0	1.2	013	31	3.2	3.1	086	31	3.0	0.9	107
1.5 ,, .	29	5.4	0.7	333	21	5.1	1.7	084	31	7.3	2.3	350	28	6.5	1.2	023	31	4.8	3.1	245	31	3.2	1.0	278
2.1 ,, .	29	5.7	0·7	280	14	5.6	2.4	083	30	7.2	1.5	340	22	5.9	0.9	011	31	7.3	5.1	267	31	5.0	4.2	268
3.0 ,, .	29	7.0	0.8	190	8	8.4	1.6	141	31	8.0	1.2	266	13	5.3	2.4	090	31	9.0	7.2	269	31	9.1	7.1	267
3.6 ,, .	29	7.3	1.2	142	5	8.0	3.8	243	31	8.6	0.7	270	9	7.8	4.9	095	30	10.4	9.1	270	31	10.4	8.5	269
4.5 ,, .	30	6.8	1.5	153	3	9.7	4.9	148	31	7.7	1.1	174	4	3.5	2.9	085	30	13.6	12.4	278	31	13.1	11.8	273
5.4 ,, .	30	8.2	1.9	120	2	2.5	1.7	205	31	8.0	2.5	122	2	4.0	3.7	081	29	16.8	15.9	277	30	15.9	14.7	275
6.0 ,, .	30	8.4	2.1	085	2	4.5	1.9	051	31	7.9	4.2	094					29	20.5	19.2	275	29	19.1	17.2	275
7.2 ,, .	30	8.2	4.1	085	2	5.5	3.5	011	31	9.4	5.7	092					25	24.4	23.2	274	22	23.4	21.5	273
9.0 ,, .	30	8.0	5.4	115	2	6.5	5.8	030	31	7.1	5.1	100					11	29.1	28.2	273	4	28.8	28.3	287

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

December, 1965 (Agrahayana 10—Pausa 10, 1887 Saka)

Station	UDAIPUR				VENGURLA												VERAVAL							
Time in I.S.T.	2330				0530				1730				2330				0530				1730			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	0·1	0·1	360	31	0·7	0·5	017	31	2·0	1·0	256	31	0·9	0·7	357	31	4·4	4·1	035	31	5·4	4·0	279
0·15 a. g. .	31	3·0	2·3	049	31	4·0	2·9	073	30	3·9	2·1	280	30	4·8	3·2	018	31	9·9	9·2	038	31	5·0	3·3	299
0·3 a. m. s. l. .					30	4·8	3·5	082	30	4·0	1·9	297	30	5·7	3·7	015	31	7·3	6·3	047	31	4·8	3·3	321
0·6 ,, .					29	5·5	4·6	089	30	3·9	1·7	036	30	5·5	3·5	030	31	4·6	3·3	055	31	4·3	3·6	358
0·9 ,, .	31	3·5	2·5	068	29	5·7	4·5	089	30	4·2	2·3	043	30	5·5	3·6	058	31	3·8	1·4	078	31	4·2	3·5	009
1.5 ,, .	31	4·1	2·5	152	28	4·1	2·6	084	28	5·6	4·8	070	28	5·6	4·7	083	31	4·9	1·6	196	31	4·6	2·2	030
2·1 ,, .	31	6·0	3·7	230	22	4·0	2·3	093	25	5·8	4·7	075	28	5·1	4·2	096	31	4·4	1·3	246	30	4·3	0·8	334
3·0 ,, .	30	8·8	7·5	266	20	4·5	1·0	159	25	5·4	3·4	075	19	4·2	1·2	126	31	5·1	2·8	274	30	4·6	2·8	280
3·6 ,, .	23	9·7	8·7	282	5	3·8	3·5	097	24	4·7	2·7	085	7	3·6	1·9	080	14	6·1	3·8	287	30	5·7	3·6	279
4.5 ,, .	7	10·4	9·8	287					21	4·9	2·2	083					5	5·8	4·0	301	30	7·9	6·0	273
5·4 ,, .									19	5·2	1·7	087					1	6·0	6·0	286	30	10·4	8·1	272
6·0 ,, .									19	5·9	1·9	065									30	12·8	10·5	275
7·2 ,, .									15	6·6	2·3	336									30	17·0	14·7	275
9·0 ,, .									5	7·6	3·5	332									21	25·1	21·5	272

Station	VERAVAL				VIJAYWADA/GANNAVARAM												VISHAKHAPATNAM							
Time in I. S. T.	2330				0530				1730				2330				0530*				1130			
Ht. in Km.	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D	n	V	v	D
Surface . .	31	3·4	3·0	012	31	2·8	2·5	054	31	3·2	2·4	115	31	1·7	1·5	091	31	4·6	4·2	028	31	3·3	2·6	056
0·15 a. g. .	31	8·9	8·0	020	31	6·1	5·3	079	31	5·2	3·9	109	31	6·9	6·2	099	31	9·1	8·8	027	31	6·6	5·5	057
0·3 a. m. s. l. .	31	8·9	7·8	027	31	6·9	6·0	088	31	5·2	4·3	106	31	7·8	7·0	098	31	8·5	8·0	032	31	6·9	6·1	053
0·6 ,, .	31	7·1	5·8	040	31	6·9	5·7	084	31	5·0	4·2	087	31	7·1	6·3	087	31	7·1	6·0	044	31	7·5	6·9	049
0·9 ,, .	31	5·5	4·2	060	31	6·2	5·0	077	31	5·0	3·9	066	31	6·0	4·9	072	31	7·0	5·5	050	31	7·8	6·8	051
1·5 ,, .	31	4·2	1·9	108	31	5·5	3·7	073	31	5·4	4·2	038	31	5·5	4·2	052	31	6·4	4·3	068	31	7·1	5·4	052
2·1 ,, .	31	4·5	0·9	223	31	4·9	1·8	084	31	4·6	2·3	039	31	4·2	2·1	063	31	5·7	1·8	055	31	6·1	3·0	043
3·0 ,, .	31	4·5	2·3	262	31	4·6	0·9	110	31	4·6	0·6	293	31	4·6	0·5	122	31	5·3	1·8	341	31	5·0	1·1	015
3·6 ,, .	14	5·2	3·8	270	31	5·2	0·9	181	28	4·9	0·6	259	26	4·8	1·4	140	31	5·5	1·2	300	30	4·9	0·7	297
4·5 ,, .	7	7.4	4·9	284	29	5·3	0·6	156	26	5·5	0·6	232	21	5·3	0·7	177	31	5·8	3·0	275	29	5·9	1·2	240
5·4 ,, .	1	6·0	6·0	291	28	6·4	0·2	270	26	6·2	1·5	301	14	6·5	1·1	227	31	7·5	3·6	280	27	6·2	2·0	286
6·0 ,, .	1	13·0	13·0	288	27	6·8	1·3	322	25	7.1	1·3	309	11	6·3	2·3	200	31	7·8	4·1	278	26	6·9	2·5	266
7·2 ,, .					24	7·2	3·6	295	23	7·9	2·8	280	2	4·0	2·3	226	31	8·4	5·4	263	22	7·7	3·6	291
9·0 ,, .					20	8·0	5·6	257	17	8·1	5·9	280					31	11·9	9·8	258	17	9·6	6.3	274

TABLE IV—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds upto 9·0 Km. above mean sea level

December, 1965 (Agrahayana 10—Pausa 10, 1887 Saka)

Station	VISHAKHAPATNAM							
Time in I.S.T.	1730*				2330			
Ht. in Km.	n	V	v	D	n	V	v	D
Surface . .	31	5.0	4.7	038	31	3.0	2.2	034
0.15 a. g. .	31	9·0	8.6	046	31	6.0	4.8	050
0.3 a. m. s. l.	31	8.6	8.2	047	31	6.3	5.2	059
0.6 ,, .	31	7.4	6.0	057	31	7.0	5.8	061
0.9 ,, .	31	6.7	5.5	039	31	6.2	5.1	055
1.5 ,, .	31	6.2	4.4	022	24	5.7	4.6	029
2.1 ,, .	31	5.3	2.5	358	20	4.2	1.5	027
3.0 ,, .	31	4.8	1.6	344	17	3.4	1.0	309
3.6 ,, .	30	5.9	0.9	311	9	4.1	2.5	283
4.5 ,, .	30	6.5	2.0	284	3	7.0	7.0	272
5.4 ,, .	28	6.5	3.4	278	2	2.0	2.0	237
6.0 ,, .	28	8.1	4.2	279	2	3.0	2.6	215
7.2 ,, .	28	9.6	6.4	282	2	7.5	7.5	295
9.0 ,, .	28	12.3	9.4	273				

TABLE V—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds above 9.0 km. above mean sea level

December, 1965 (Agrahayana 10—Pausa 10, 1887 Saka)

Ht. in Km.	n	V	v	D
	AHMADABAD 0530 hr.*			
10·5	30	34·7	32·3	265
12·0	27	37·7	35·4	255
14·1	15	32·7	31·7	250
16·2	10	26·2	24·3	262
18·0	2	12·5	12·5	357
	1130 hr.			
10·5	23	32·5	29·0	263
12·0	15	36·5	34·0	250
14·1	4	43·0	42·4	251
11·2	1	18·0	18·0	266
18·0	1	16·0	16·0	228
	1730 hr.*			
10·5	27	34·6	31·9	260
12·0	22	42·0	35·1	256
14·1	9	30·4	29·6	256
16·2	7	32·8	31·8	268
18·0	5	27·0	19·0	290
	ALLAHABAD/BAMHRAULI 0530 hr.*			
10·5	30	36·2	33·9	260
12·0	29	39·1	36·8	253
14·1	18	37·9	36·7	250
16·2	8	30·7	29·6	256
18·0	1	36·0	36·0	270
	1130 hr.			
10·5	5	35·8	35·1	252
12·0	1	43·0	43·0	280
14·1	1	34·0	34·0	270
	1730 hr.*			
10·5	30	38·6	36·7	262
12·0	29	42·6	40·5	253
14·1	24	37·8	36·7	253
16·2	10	33·2	31·2	261
	AMBALA 0530 hr.			
10·5	2	36·0	33·7	260
12·0	1	40·0	40·0	280
	1130 hr.			
10·5	3	31·0	31·0	280
12·0	1	51·0	51·0	286
	1730 hr.			
10·5	4	41·0	39·3	287
12·0	2	45·0	44·0	276
	AMINI 1730 hr.			
10·5	1	16·0	16·0	160
	ANANTAPUR 0530 hr.			
10·5	4	12·5	11·1	220
12·0	2	12·0	11·5	191
14·1	1	4·0	4·0	210

Ht. in Km.	n	V	v	D
	ASANSOL 0530 hr.			
10·5	5	32·8	31·6	255
12·0	4	34·7	33·9	255
14·1	4	41·3	40·8	249
	1730 hr.			
10·5	2	38·5	37·1	264
	BANGALORE 0530 hr.@			
10·5	12	7·8	4·8	158
12·0	12	12·9	9·4	155
14·0	11	11·2	10·1	147
16·2	10	6·1	3·6	159
18·0	10	7·0	6·5	100
21·0	7	14·3	13·7	091
24·0	2	21·5	21·4	085
	1130 hr.			
10·5	11	6·2	2·2	176
12·0	10	12·0	9·9	181
14·1	7	15·1	13·8	169
16·2	6	8·5	5·4	144
18·0	6	8·5	6·5	085
21·0	6	17·3	14·5	069
24·0	1	14·0	14·0	095
27·0	1	13·0	13·0	075
	1730 hr. @			
10·5	11	7·6	3·8	205
12·0	11	11·5	8·9	182
14·1	8	10·1	9·6	173
16·2	8	5·6	4·0	160
18·0	5	5·6	5·4	063
21·0	3	12·1	12·7	096
24·0	1	20·0	20.0	095
	BEGAMPET 0530 hr.			
10·5	3	5·3	4·5	201
12·0	1	15·0	15.0	246
	1730 hr.			
10.5	1	14·0	14·0	225
	BHOPAL/BAIRAGAR 0530 hr.			
10·5	4	28·2	28·0	256
12·0	3	35·7	35·7	260
14·1	2	39·0	39·0	242
16·2	1	40·0	40·0	250
18·0	1	35·0	35·0	245
	1730 hr.			
10·5	5	33·4	32.8	260
12·0	1	28·0	28·0	280

Ht. in Km.	n	V	v	D
	BOMBAY/SANTACUZ 0530 hr.*			
10·5	29	20·4	18·4	254
12·0	28	21·8	20·7	237
14·1	23	21·5	20·0	249
16·2	7	19·6	14·4	264
18·0	5	12·2	9·0	282
21·0	3	7·0	6·1	288
24·0	1	9·0	9·0	275
	1130 hr.			
10·5	19	20·8	19·2	261
12·0	17	23·6	22·6	249
14·1	11	21·4	20·5	243
16·2	8	16·4	13·6	265
18·0	6	8·8	4·6	228
21·0	2	5·5	0·7	227
24·0	1	14·0	14·0	060
27·0	1	8·0	8·0	116
	1730 hr.*			
10·5	29	19·6	17·6	257
12·0	28	21·4	20·4	243
14·1	21	21·7	20·5	230
16·2	18	14·9	11·6	256
18·0	14	10·0	4·7	288
21·0	3	7·0	6·6	086
24·0	1	5·0	5·0	310
	CALCUTTA/DUM DUM 0530 hr.*			
10·5	30	26·7	25·3	262
12·0	30	28·2	27·3	255
14·1	29	28·5	27·4	252
16·2	28	22·1	20·9	262
18·0	16	16·8	15·2	265
21·0	8	6·6	5·9	255
24·0	1	4·0	4·0	340
	1730 hr.*			
10·5	31	26·3	24·8	260
12·0	31	29·0	27·3	258
14·1	29	27·7	26·9	250
16·2	28	21·7	19·8	267
18·0	14	15·1	11·1	295
21·0	3	15·3	14·5	263
	DIBRUGARH MOHANBARI 0530 hr.			
10·5	1	32·0	32·0	300
12·0	1	35·0	35·0	304
	1130 hr.			
10·5	7	51·3	49·2	275

Ht. in Km.	n	V	v	D
	GADAG 0530 hr.			
10·5	17	10·1	8·2	219
12·0	16	13·6	12·9	202
14·1	16	12·7	11·3	213
16·2	13	8·4	5·9	183
18·0	10	4·6	3·2	122
21·0	7	10·6	6·2	115
	1730 hr.			
10·5	12	10·6	9·2	219
12·0	10	14·8	14·0	199
14·1	7	10·9	8·3	193
16·2	6	9·2	6·5	351
18·0	5	5·4	3·0	135
21·0	2	8·0	5·7	103
24·0	1	23·0	23·0	160
	GANGTOK 0830 hr.			
10·5	1	46·0	46·0	281
12·0	1	59·0	59·0	274
	GAUHATI 0530 hr.*			
10·5	26	45·2	43·5	259
12·0	16	48·5	46·2	258
14·1	4	33·7	33·5	254
16·2	1	45·0	45·0	275
	1730 hr.*			
10·5	27	47·6	45·6	263
12·0	18	52·4	50·7	257
14·1	6	45·2	44·0	259
16·2	3	38·3	38·0	275
	GOPALPUR 1730 hr.			
10·5	1	14·0	14·0	230
	GWALIOR 0530 hr.			
10·5	3	41·6	40·0	269
	1130 hr.			
10·5	2	38·5	38·0	261
	IMPHAL/TULIHAL 1130 hrs.			
10·5	3	29·7	29·3	267
12·0	3	32·3	32·3	260
14·1	2	22·5	21·7	252
16·2	2	13·5	10.8	258
18·0	2	15·0	14·9	285
21·0	2	10·5	10·1	246
	JAGDALPUR 0530 hr.			
10·5	9	16·9	16·1	250
12·0	7	17·9	16·9	244
14·1	4	16·3	15·7	229
16·2	2	11·0	9·6	210

TABLE V—MONTHLY MEAN DIRECTIONS AND VELOCITIES OF UPPER WINDS

Winds above 9.0 km. above mean sea level

December, 1965 (Agrahayana 10—Pausa 10, 1887 Saka)

Ht. in Km.	n	V	v	D
		1730 hrs.		
10·5	10	15·5	15·1	255
12·0	7	18·5	17·1	237
14·1	5	21·0	20·7	222
		JHARSUGUDA 0530 hr.		
10·5	3	28·7	28·3	245
12·0	1	26·0	26·0	240
		1730 hr.		
10·5	10	25·8	24·8	260
12·0	6	29·0	28·8	257
14·1	1	14·0	14·0	245
16·2	1	4·0	4·0	280
		MADRAS/ MINAMBAKKAM 0530 hr.*		
10·5	30	7·9	5·1	166
12·0	30	11·6	9·5	158
14·1	28	11·0	8·7	149
16·2	23	6·6	3·8	125
18·0	8	5·9	3·8	127
21·0	2	12·0	11·1	046
		1730 hr.*		
10·5	30	7·6	4·2	167
12·0	30	11·0	8·3	155
14·1	24	12·7	10·3	153
16·2	17	8·4	4·6	127
18·0	5	8·2	6·1	085
21·0	4	11·5	11·2	087
		MANGALORE/ BAJPE 0530 hr.		
10·5	4	7·7	5·1	172
12·0	3	12·7	10·6	168
14·1	1	22·0	22·0	170
16·2	1	3·0	3·0	250
18·0	1	5·0	5·0	270
21·0	1	12·0	12·0	095
		1730 hr.		
10·5	8	5·9	3·3	159
12·0	8	10·7	9·0	173
14·1	7	11·0	10·1	162
16·2	4	14·3	9·4	148
18·0	3	7·0	5·4	180
21·0	2	9·0	7·1	113
		MINICOY 0530 hr.		
10·5	4	6·7	5·6	096
12·0	3	10·0	9·1	116

Ht. in Km.	n	V	v	D
		1130 hr.		
10·5	4	11·5	10·5	105
12·0	2	14·0	14·0	117
14·1	1	10·0	10·0	170
16·2	1	12·0	12·0	170
18·0	1	4·0	4·0	205
21·0	1	10·0	10·0	105
		1730 hr.*		
10·5	30	10·2	8·8	130
12·0	30	13·8	10·7	130
14·1	26	12·4	10·4	130
16·2	13	7·8	5·4	121
18·0	10	8·7	7·6	085
21·0	4	10·3	8·9	089
		NAGPUR/ SONEGAON 0530 hr.*		
10·5	30	21·2	20·0	261
12·0	30	22·3	21·3	259
14·1	15	24·2	23·1	256
16·2	6	23·5	22·9	251
18·0	4	10·3	7·4	251
21·0	3	16·0	7·9	181
		1130 hr.		
10·5	16	27·7	26·0	256
12·0	11	28·2	27·8	240
14·1	2	34·0	34·0	222
		1730 hr.*		
10·5	30	19·9	18·7	266
12·0	29	20·8	19·3	258
14·1	18	22·5	20·9	255
16·2	7	18·7	17·0	260
18·0	4	18·3	10·9	268
21·0	2	6·0	5·3	295
24·0	1	5·0	5·3	255
		NEW DELHI/ SAFDARJUNG 0530 hr.*		
10·5	31	49·5	47·2	271
12·0	30	50·3	48·3	265
14·1	28	41·1	39·1	265
16·2	27	29·0	26·6	267
18·0	19	14·2	13·4	283
21·0	10	10·0	8·4	285
24.0	5	12·2	10·8	312
		1130 hr.		

Ht. in Km.	n	V	v	D
		1730 hr.		
10·5	27	48·6	45·9	273
12·0	22	47·8	44·8	269
14·1	14	35·0	33·2	269
16·2	9	32·1	30·2	279
18·0	4	21·2	19·3	286
21·0	1	10·0	10·0	310
		POONA 1730 hr.		
10·5	4	16·3	16·0	251
12·0	2	18·5	18·2	242
14·1	3	10·0	10·0	245
		PORTBLAIR 0530 hr.*		
10·5	15	9·0	7·9	145
12·0	14	11·5	10·1	144
14·1	11	12·8	10·2	136
16·2	4	12·5	11·5	137
		1130 hr.		
10·5	1	12·0	12·0	128
12·0	1	11·0	11·0	115
		1730 hr.*		
10·5	10	8·9	8·4	142
12·0	10	10·7	10·1	135
14·1	8	13·5	11·3	124
16·2	3	18·0	13·8	123
18·0	1	20·0	20·0	137
21·0	1	18·0	18·0	102
		RAIPUR 0530 hr.		
10·5	8	24·7	24·3	254
12·0	1	20·0	20·0	255
		1730 hr.		
10·5	8	30·2	29·4	244
12·0	2	27·5	27·4	245
		SRINAGAR 0530 hr.*		
10·5	18	36·0	32·7	273
12·0	14	37·4	35·0	275
14·1	7	39·6	38·1	274
16·2	2	41·0	38·5	271
18·0	1	21·0	21·0	300
21·0	1	18·0	18·0	295
24·0	1	29·0	29·0	300
27·0	1	16·0	16·0	335

Ht in Km.	n	V	v	D
		1730 hr*		
10·5	18	36·2	31·9	274
12·0	15	40·8	38·0	279
14·1	10	45·5	42·6	270
16·2	4	28·7	27·1	295
18·0	1	30·0	30·0	275
21·0	1	36·0	36·0	295
		TIRUCHCHIR-APPALLI 0530 hr.		
10·5	1	6·0	6·0	260
		1730 hr.		
10·5	1	11·0	11·0	150
12·0	1	13·0	13·0	165
		TRIVANDRUM 0530 hr.*		
10·5	30	11·6	9·4	125
12·0	30	14·3	12·5	125
14·1	30	15·0	12·9	120
16·2	26	7·4	5·6	115
18·0	20	9·9	8·0	074
21·0	13	14·1	13·8	085
24·0	4	20·5	20·5	088
		1130 hr.		
10·5	2	5·5	4·9	061
		1730 hr.*		
10·5	31	10·7	8·9	115
12·0	31	14·8	13·3	122
14·1	26	13·9	12·5	121
16·2	22	8·5	5·2	103
18·0	17	9·8	6·3	094
21·0	7	15·3	15·0	100
24·0	1	23·0	23·0	090
		UDAIPUR 0530 hr.		
10·5	2	24·5	23·3	271
12·0	1	35·0	35·0	290
		VERAVAL 1730 hr.		
10·5	14	28·5	25·7	276
12·0	9	32·3	31·0	269
14·1	3	27·0	26·8	253
16·2	1	26·0	26·0	245

Ht. in Km	n	V	v	D
		VIJAYWADA/ GANNAVARAM 0530 hr.		
10·5	19	11·6	10·2	236
12·0	13	14·4	13·5	207
14·1	11	10·1	8·9	219
16·2	11	8·0	3·0	150
18·0	8	6·1	5·7	080
21·0	6	11·7	9·3	093
24·0	1	9·0	9·0	150
		1730 hr.		
10·5	15	11·8	8·7	230
12·0	11	14·5	13·6	213
14·1	4	17·3	15·8	212
16·2	1	21·0	21·0	225
18·0	1	7·0	7·0	325
21·0	1	9·0	9·0	040
		VISHAKHAPATNAM 0530 hr.*		
10·5	31	16·0	13·5	246
12·0	31	18·6	14·8	228
14·1	18	19·0	16·1	226
16·2	5	14·4	8·1	233
18·0	2	17·5	13·5	240
21·0	1	4·0	4·0	230
24·0	1	9·0	9·0	260
		1130 hr.		
10·5	15	13·3	11·5	253
12·0	11	16·7	14·7	239
14·1	10	14·7	12·7	231
16·2	10	10·5	6·[illegible]	264
18·0	10	6·5	2·7	246
21·0	10	6·7	4·2	039
24·0	2	5·5	1·7	227
		1730 hr.*		
10·5	27	17·1	11·9	254
12·0	27	19·3	16·2	232
14·1	18	18·4	15.8	227
16·2	10	14·2	5·4	251
18·0	4	6·5	2·7	102
21·0	4	7·5	5·0	306

RADIOSONDE DATA

During the month, observations of upper air temperature, pressure and humidity were made at 14 stations in India as given in the list below. For detailed description of the instruments used, a reference may be made to the I.M.D. Scientific Notes Nos. 112 and 113 (Volume IX).

LIST OF RADIOSONDE STATIONS IN INDIA

S. No.	Name of Station	Type of instrument used	Date of starting	Hours of routine observations in G.M.T. during the month	Remarks
1	Ahmadabad	Fan type	20th July, 1961	00 and 12	
2	Allahabad/Bamhrauli	Clock type	1st October, 1944	00 and 12	
3	Bangalore	Fan type	10th March, 1961	00 and 12	
4	Bombay/Santacruz	Clock type	7th September, 1954	00 and 12	
5	Calcutta/Dum Dum	Clock type	13th December, 1946	00 and 12	Fan type used from 13th December, 1946 to 30th November, 1947.
6	Gauhati	Clock type	22nd July, 1955	00 and 12	
7	Madras/Minambakkam	Fan type	29th June, 1946	00 and 12	
8	Minicoy	Fan type	12th May, 1963	12	
9	Nagpur/Sonegaon	Fan type	1st October, 1946	00 and 12	
10	New Delhi/Safdarjung	Clock type	3rd December, 1943	00 and 12	
11	Port Blair	Fan type	4th December, 1949	00 and 12	
12	Srinagar	Clock type	1st August, 1962	00 and 12	
13	Trivandrum	Fan type	1st July, 1947	00 and 12	
14	Vishakhapatnam	Fan type	8th December, 1946	00 and 12	

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(A) From Ascents at 00 Hours G.M.T.

December, 1965 (Agrahayana 10—Pausa 10, 1887 Saka)

Standard Pressure Surface in b.	AHMADABAD Surf. Pr. (1007 mb.)						ALLAHABAD/BAHM RAULI (1004 mb.)						BANGALORE (911 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew Point.			Mean	Max.	Min.	Dew Point			Mean	Max.	Min.	Dew Point
Surface	31	055	288·5	293	283	280·7	31	098	283·1	289	279	280·8	31	921	290·6	293	285	289·2
1000	31	110	289·2	293	285	280·5	30	129	283·5	289	279	280·3	31	117	..	..	..	..
900	31	1020	291·9	296	287	276·9	30	1022	285·8	289	281	273·2	31	1021	290·3	292	285	288·4
850	31	1510	288·9	293	284	274·9	30	1497	283·6	286	279	269·5	31	1511	289·7	292	287	284·3
800	31	2022	285·8	290	282	271·9	30	2001	281·5	287	277	268·2	31	2027	288·0	291	285	281·2
700	31	3132	280·4	284	276	263·0	30	3098	277·9	283	272	259·7	31	3146	282·3	286	278	275·5
600	31	4387	274·3	278	271	254·0	30	4341	271·4	276	268	251·0	31	4411	276·5	280	273	270·8
500	31	5833	266·2	271	263	..	30	5770	262·9	267	257	..	31	5873	269·0	273	265	..
400	31	7541	254·4	260	246	..	30	7463	251·9	258	248	..	31	7599	258·1	261	253	..
300	31	9635	240·9	246	238	..	30	9542	239·0	247	237	..	31	9716	242·9	250	236	..
250	30	10898	232·4	237	228	..	30	10798	231·1	240	224	..	31	10989	233·3	239	229	..
200	30	12386	222·6	227	218	..	29	12286	221·7	227	217	..	31	12479	221·7	227	217	..
175	30	13246	217·0	222	213	..	29	13205	216·6	223	213	..	29	13336	216·4	221	211	..
150	28	142 6	211·5	217	201	..	29	14113	211·2	218	205	..	28	14308	210·2	216	207	..
125	27	15339	205·7	211	201	..	27	15237	206·5	215	197	..	28	15407	204·3	209	201	..
100	25	16653	200·4	206	194	..	24	16581	204·4	214	197	..	26	16736	198·8	204	194	..
80	18	17955	199·9	207	194	..	10	17912	202·9	212	198	..	22	18075	200·4	211	193	..
70	16	18720	201·0	208	196	..	..	..	..	..	..	..	20	18853	203·8	219	195	..
60	12	19611	203·9	210	196	..	..	..	..	..	..	..	15	19780	205·9	212	202	..
50	10	20719	209·8	219	204	..	..	..	..	..	..	..	15	20876	209·9	216	204	..
40	6	22108	211·3	215	206	..	..	..	..	..	..	..	10	22306	213·9	218	208	..
30	..	..	..	..	..	..	..	..	..	..	..	..	5	24088	216·2	220	212	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		..

	BOMBAY/SANTACRUZ Surf. pr. (1009 mb.)						CALCUTTA/DUMDUM (1014 mb.)						GAUHATI (1009 mb.)					
Surface	31	013	293·0	301	289	287·9	31	006	287·4	291	282	284·6	31	049	286.0	290	282	285.3
1000	31	092	294·7	300	290	286·1	30	120	288·5	294	284	283·4	31	130	286·7	290	284	285·1
900	30	1014	294·4	297	291	279·1	30	1016	287·3	291	282	280·3	31	1028	288.5	291	285	281·4
850	30	1507	291·1	293	289	278·1	30	1498	285·6	290	282	272·1	31	1512	285.9	290	283	276·7
800	30	2024	287·8	291	284	274·1	30	2006	284·6	289	280	269·6	31	2020	283.2	286	279	273·3
700	30	3143	282·0	286	279	265·9	30	3116	280·5	286	273	264·3	31	3120	277.7	285	272	261·8
600	30	4410	276.9	281	273	258·9	30	4371	273·9	279	269	261·2	31	4368	273.3	282	268	253·1
500	30	5871	269·1	273	263	..	30	5815	266·1	271	261	..	31	5811	265.1	272	261	..
400	30	7590	257·0	261	253	..	30	7523	255·4	260	251	..	31	7512	255.0	261	248	..
300	30	9703	242·7	249	239	..	30	9627	242·8	248	237	..	30	9615	242.1	248	233	..
250	29	10974	234·1	241	228	..	30	10903	234·1	240	230	..	30	10880	235.2	241	231	..
200	29	12466	221·5	230	215	..	30	12402	223·6	230	219	..	30	12393	225.7	232	218	..
175	26	13311	214·9	224	204	..	30	13275	218·2	227	213	..	28	13276	220.3	226	214	..
150	26	14280	209·7	217	203	..	29	14255	212·4	221	206	..	25	14236	213.9	221	206	..
125	21	15387	204·1	216	194	..	28	15389	207·2	213	199	..	20	15375	208.9	217	201	..
100	21	16704	201·2	209	196	..	27	16718	202·2	208	197	..	15	16746	205·6	213	201	..
80	15	18031	203·1	217	194	..	21	18032	199·8	207	193	..	7	18069	204·3	208	202	..
70	12	18786	205·7	210	199	..	18	18835	201·3	207	195	..	..	..	..	..	..	..
60	12	19781	208·4	217	197	..	15	19750	204·7	210	199	..	..	..	..	..	..	..
50	11	20913	212·5	219	206	..	13	20878	211·7	219	204	..	..	..	..	..	..	..
40	..	..	..	..	..	..	8	22294	217·9	227	213	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(A) From Ascents at 00 Hours G. M. T.

December, 1965 (Agrahayana 10—Pausa 10, 1887 Saka)

Standard Pressure Surface mb.	JODHPUR Surf. Pr.						MADRAS/MINAMBAKKAM (1009 mb.)						NAGPUR/SONEGAON (978 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew Point			Mean	Max.	Min.	Dew Point			Mean	Max.	Min.	Dew Point
Surface	..	..	..	..	..	..	31	015	299·6	298	293	294·5	31	311	286·8	295	282	280·8
1000	..	..	..	..	..	..	30	125	296·1	299	293	293·8	31	122	..	..	..	..
900	..	..	..	..	..	..	30	1013	292·3	295	289	288·0	31	1020	290·8	296	288	280·0
850	..	..	..	..	..	..	30	1505	290·5	293	286	282·9	31	1507	287·3	292	285	278·6
800	..	..	..	..	..	..	30	2022	288·0	290	285	278·9	31	2018	284·8	289	281	276·1
700	..	..	..	..	..	..	30	3144	282·7	286	280	272·9	31	3127	279·8	283	275	267·1
600	..	..	..	..	..	..	30	4411	276·5	281	271	266·4	31	4380	273·8	279	270	260·4
500	..	..	..	..	..	..	30	5872	269·2	271	266	..	31	5823	265·7	270	263	..
400	..	..	..	..	..	..	30	7600	258·6	262	254	..	31	7525	254·6	259	248	..
300	..	..	..	..	..	..	30	9719	242·8	249	238	..	31	9616	240·9	245	237	..
250	..	..	..	..	..	..	30	10992	233·1	238	228	..	31	10883	232·0	237	227	..
200	..	..	..	..	..	..	30	12479	221·0	226	213	..	31	12363	221·2	228	214	..
175	..	..	..	..	..	..	26	13315	214·3	222	207	..	29	13224	215·6	223	213	..
150	..	..	..	..	..	..	27	14280	207·8	217	199	..	29	14183	209·7	220	199	..
125	..	..	..	..	..	..	24	15369	201·6	211	194	..	27	15302	205·7	215	199	..
100	..	..	..	..	..	..	18	16673	198·6	204	193	..	26	16629	201·8	208	194	..
80	..	..	..	..	..	..	9	17987	199·9	207	193	..	24	17964	201·7	212	192	..
70	..	..	..	..	..	..	6	18762	203·7	211	199	..	22	18751	203·7	215	192	..
60	..	..	..	..	..	..		..	..	..	..	..	20	19688	206·1	217	192	..
50	..	..	..	..	..	..		..	..	..	..	..	18	20761	209·8	221	203	..
40	..	..	..	..	..	..		..	..	..	..	..	1[illegible]	22119	212·7	224	203	..
30	..	..	..	..	..	..		..	..	..	..	..	6	23924	217·7	232	207	..
20	..	..	..	..	..	..		..	..	..	..	..	..	..	..	..	..	.
10	..	..	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..

	NEW DELHI/SAFDARJUNG Surf. Pr.(991 mb.)						PORT BLAIR (1001 mb.)						SRINAGAR (844 mb.)					
Surface	31	209	281·2	287	276	276·6	31	079	298·6	301	297	296·7	19	1588	269·0	275	266	269.0
1000	31	135	..	..	..	..	17	084	298·6	301	297	296·6	19	225	..	..	..	..
900	31	1021	286·5	291	283	268·6	17	1005	292·8	295	290	290·4	19	1077	..	..	..	..
850	31	1500	284·0	287	282	264·7	17	1497	290·2	293	286	287·2	19	1533	..	..	..	..
800	31	2004	281·6	286	278	262·1	17	2013	287·5	289	285	283·1	19	2015	271·6	275	268	266·
700	31	3097	276·2	282	271	252·4	17	3133	282·5	285	277	277·2	19	3076	268·9	272	266	..
600	31	4332	270·1	274	264	..	17	4398	275·9	279	274	270·9	19	4275	261·8	266	257	..
500	31	5753	261·2	265	257	..	17	5853	268·3	273	267	..	19	5650	252·7	258	248	..
400	31	7426	250·1	255	244	..	16	7570	257·6	263	250	..	19	7266	241.6	245	238	..
300	31	9484	237·6	242	234	..	15	9673	242·7	245	237	..	18	9243	229.2	235	224	..
250	31	10733	230·3	235	224	..	15	10945	233·9	241	228	..	17	10455	223.5	230	219	..
200	31	12216	223·1	227	218	..	13	12433	223·8	231	220	..	17	11899	219.2	224	213	..
175	31	13082	219·4	226	212	..	10	13314	219·2	228	213	..	17	12753	216.8	223	208	.
150	31	14064	215·7	223	208	..	10	14281	211·7	223	206	..	16	13741	214.5	219	207	.
125	31	15205	211·9	220	206	..	8	15411	205·6	217	198	..	15	14961	212.8	219	206	..
100	30	16580	208·5	218	203	..	..	..	..	..	..	..	13	16276	211 2	219	205	..
80	30	17940	208·1	215	201	..	..	..	..	..	..	..	11	17652	211.1	215	206	..
70	27	18776	208·8	217	202	..	..	..	..	..	..	..	10	18492	213.0	216	209	..
60	22	19693	209·8	218	203	..	..	..	..	..	..	..	8	19442	213.3	217	209	..
50	18	20835	211·9	221	205	..	..	..	..	..	..	..	8	20567	213·6	218	210	..
40	15	22257	217·1	224	209	..	..	..	..	..	..	..	6	21994	217·2	222	212	..
30	10	24023	221·5	231	214	..	..	..	..	..	..	..	6	23837	220·5	224	215	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(A) From Ascents at 00 Hours G.M.T.

December, 1965 (Agrahayana 10—Pausa 10, 1887 Saka)

Standard Pressure Surface mb.	TRIVANDRUM Surf. Pr. (1002 mb.)						VISHAKHAPATNAM (1008 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew Point			Mean	Max.	Min.	Dew Point
Surface	31	064	297·7	299	296	295·4	31	041	295·3	299	291	289.3
1000	31	079	297·5	299	296	294·9	31	112	295·3	298	292	288·5
900	31	1001	293·2	295	290	289·0	31	1024	290·4	295	285	282.2
850	31	1494	290·6	293	287	286·2	31	1512	288·3	293	283	277.2
800	31	2012	288·1	292	285	283·3	31	2026	286·9	291	282	273.9
700	31	3134	283·0	287	280	276·4	31	3143	281·8	285	277	269.4
600	31	4402	276·2	279	273	269·6	31	4405	275·4	279	271	263·0
500	31	5859	268·2	273	265	..	31	5859	267·2	271	264	..
400	31	7581	257·6	263	253	..	31	7576	256·0	261	249	..
300	31	9699	243·2	249	237	..	31	9676	240.6	249	237	..
250	31	10975	234·0	240	229	..	31	10938	231.5	235	223	..
200	31	12468	222·0	229	215	..	31	12419	221.0	225	213	..
175	31	13321	216·1	223	209	..	30	13267	215.6	219	209	..
150	31	14287	209·5	219	200	..	28	14231	209.9	214	203	..
125	28	15391	203·7	212	198	..	23	15328	204.7	210	197	..
100	28	16710	198·7	208	194	..	20	16663	199.5	206	191	..
80	25	18015	200·2	211	194	..	15	18013	200.6	205	195	..
70	19	18807	201·8	211	196	..	15	18808	202.3	210	195	..
60	16	19741	205·6	213	198	..	12	19716	205.5	211	198	..
50	16	20849	209·7	215	204	..	12	20780	208.1	213	201	..
40	11	22233	213·0	219	207	..	6	22160	210·3	217	204	..
30	8	24027	217·3	223	213	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(B). From Ascents at 12 Hours G.M.T.

December, 1965 (Agrahayana 10—Pausa 10, 1887 Saka)

Standard Pressure Surface mb.	AHMADABAD Surf. Pr. (1005 mb.)						ALLAHABAD/BAMHRAULI (1003 mb.)						BANGALORE (909 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	31	55	302·8	305	301	288.1	31	098	295.6	299	290	283.5	31	921	297.0	300	293	288.6
1000	31	102	302·5	305	299	287·3	30	123	295·2	299	290	283·0	31	084	..	..	..	..
900	31	1027	294.3	298	290	279.2	30	1027	288.5	294	284	275.3	31	1009	296·6	299	293	287.9
850	31	1517	290.2	293	286	276.2	30	1510	286.0	291	281	270.6	31	1505	293.0	296	289	285.7
800	31	2032	286.9	291	282	272.8	30	2019	284.2	288	278	266.2	31	2025	288.8	293	285	283.2
700	31	3149	282.0	285	279	265.5	30	3129	280.2	285	274	258.6	31	3147	282.9	286	279	276.5
600	31	4411	275.6	279	271	261·5	30	4380	273.6	278	269	255·8	31	4413	276.5	279	274	269.4
500	31	5865	267.7	273	263	..	30	5819	265.4	270	261	..	31	5875	269.1	273	263	..
400	31	7584	256.7	261	252	..	30	7522	254.7	260	249	..	31	7602	258.3	261	254	..
300	31	9689	242.0	249	237	..	30	9614	241.6	247	237	..	31	9723	243.5	248	239	..
250	30	10959	233.1	239	224	..	29	10882	233.3	237	229	..	31	11001	234.3	239	229	..
200	29	12451	223.7	228	217	..	29	12373	224.4	230	220	..	31	12497	223.3	230	219	..
175	26	13318	218.6	223	211	..	28	13254	218.3	225	210	..	29	13360	217.1	223	211	..
150	25	14286	213.1	219	207	..	28	14225	214.5	221	209	..	29	14335	210.8	217	204	..
125	24	15431	208.1	214	199	..	26	15157	208.1	215	202	..	28	15421	205.1	213	195	..
100	23	16757	203.8	210	197	..	21	16718	204.1	213	197	..	26	16775	198.7	207	192	..
80	20	18098	202.7	207	195	..	11	18026	202.0	207	195	..	19	18097	198.8	205	192	..
70	19	18885	204.6	209	196	..	..	..	..	..	..	..	19	18889	200.9	207	193	..
60	19	19822	208.2	213	202	..	..	..	..	..	..	..	17	19805	204.2	213	196	..
50	14	20958	212.6	219	207	..	..	..	..	..	..	..	16	20871	207·9	220	197	..
40	11	22343	215.8	223	210	..	..	..	..	..	..	..	12	22228	212·8	233	205	..
30	6	24177	220.3	229	214	..	..	..	..	..	..	..	7	24008	214·4	221	210	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

	BOMBAY/SANTA CRUZ (1008 mb.)						CALCUTTA/DUMDUM (1012 mb.)						GAUHATI (1007 mb.)					
Surface	31	013	301.5	305	297	290.7	31	06	295.8	299	291	288.2	31	49	293.7	297	289	289.7
1000	31	085	301·3	305	297	289·4	31	109	295·9	298	292	286·4	31	110	293·7	297	289	289·2
900	31	1012	295.2	299	291	282.5	31	1020	290.7	296	285	279.1	31	1017	289.6	292	287	281.9
850	31	1506	291.6	295	288	280.8	31	1506	288.5	293	281	274.2	31	1503	287.0	290	284	277.8
800	31	2024	288.1	291	284	278.2	31	2019	287.1	293	283	269.1	31	2013	283·7	288	279	273.8
700	31	3144	281.9	286	276	270.9	31	3138	282.8	288	279	264.1	31	3115	278.1	285	273	262·6
600	30	4408	276.1	281	272	263·3	31	4402	275.9	281	271	258·7	31	4364	272.9	280	268	252·2
500	29	5867	268.4	275	264	..	31	5857	268.1	272	264	..	31	5803	265.0	271	259	..
400	29	7588	256.9	263	251	..	31	7577	257.4	263	253	..	31	7505	254.8	260	248	..
300	29	9698	242.2	250	236	..	31	9685	244.3	248	238	..	29	9597	241.6	246	233	..
250	29	10969	233.1	241	225	..	31	10978	235.6	241	228	..	29	10869	234.2	239	228	..
200	28	12465	221.9	232	214	..	31	12487	225.5	230	218	..	28	12373	224.6	232	218	..
175	23	13319	215.6	227	206	..	29	13372	219.8	226	213	..	27	13256	218.9	228	213	..
150	23	14280	210.0	223	201	..	29	14342	212.9	219	205	..	23	14233	213.9	223	207	..
125	23	15403	204.5	216	197	..	29	15477	206.6	215	200	..	20	15370	207.9	219	201	..
100	22	16729	201.0	209	192	..	28	16803	201.7	208	195	..	12	16675	202.9	213	199	..
80	17	18070	203.3	211	196	..	18	18117	202.1	206	197	..	5	18114	202.6	209	199	..
70	14	18887	205.3	211	198	..	15	18941	202.9	209	198	..	..	..	..	..	..	..
60	13	19812	209.1	216	203	..	13	19854	205.3	212	201	..	..	..	..	..	..	..
50	9	20915	212.7	216	209	..	13	20958	208·8	215	204	..	..	..	..	..	..	..
40	..	..	..	..	..	..	6	22326	211·8	217	209	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RADIOSONDE DATA

Table VI—Mean Dynamic Height, Temperature and Dew Point at Standard Pressure Surfaces

(B) From Ascents at 12 Hours G. M. T.

December, 1965 (Agrahayana 10—Pausa 10, 1887 Saka)

Standard pessure surface mb.							MADRAS/MINAMBAKKAM (1009 mb.)						MINICOY (1008 mb.)					
	No of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature °A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	..	..	..	..	..	..	31	015	299·0	301	296	294·8	31	002	300·5	302	298	296·2
1000	..	..	..	..	..	..	30	090	298·5	301	296	294·5	30	075	300·0	301	298	295·6
900	..	..	..	..	..	..	30	1007	292·6	297	290	288·6	30	1000	293·0	297	291	289·1
850	..	..	..	..	..	..	30	1500	290·6	294	287	284·1	30	1492	290·6	295	287	285·7
800	..	..	..	..	..	..	30	2019	288·2	292	285	280·1	30	2008	287·8	292	285	282·4
700	..	..	..	..	..	..	30	3141	283·1	285	281	273·1	30	3129	282·4	286	280	276·3
600	..	..	..	..	..	..	30	4410	277·0	280	274	268·2	30	4392	275·8	280	273	268·6
500	..	..	..	..	..	..	30	5870	269·4	271	264	..	30	5847	268·3	271	265	..
400	..	..	..	..	.	..	30	7599	258·5	262	253	..	30	7566	257·8	261	253	..
300	..	..	..	..	..	..	30	9722	243·6	248	237	..	30	9675	242·7	248	238	..
250	..	..	..	..	..	..	30	11001	234·1	239	228	..	30	10945	233·2	239	226	..
200	..	..	..	..	..	..	30	12495	221·8	227	216	..	30	12431	221·3	231	213	..
175	..	..	..	..	..	..	27	13331	215·7	221	210	..	29	13271	215·0	221	210	..
150	..	..	..	..	..	..	26	14304	208·2	216	202	..	28	14245	209·4	214	203	..
125	..	..	..	..	..	..	24	15390	202·2	209	195	..	23	15308	201·8	206	197	..
100	..	..	..	..	..	..	13	16722	197·2	203	193	..	18	16632	196·0	205	191	..
80	..	..	..	..	..	..	9	18036	201·5	209	195	..	15	17920	197·7	212	192	..
70	..	..	..	..	..	..	8	18835	202·9	209	198	..	10	18728	198·4	203	196	..
60	..	..	..	..	..	..	5	19752	206·0	211	200	..	7	19591	201·7	207	199	..
50	..	..	..	..	..	..	..	..	..	..	..	..	5	20686	204·6	208	203	..
40	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

	NAGPUR/SONEGAON (977mb.) Surf. P.						NEW DELHI/SAFDARJUNG (990 mb.						PORT BLAIR (1000 mb.)					
Surface	31	311	299·3	302	292	283·0	31	209	293·3	297	289	280·0	31	079	299·1	300	296	296·5
1000	31	101	..	..	..	..	31	122	..	..	..	..	16	077	299·2	300	297	296·4
900	31	1023	293·5	296	291	281·4	31	1023	287·6	292	285	270·7	16	999	294·3	297	291	290·3
850	31	1514	289·2	292	287	279·5	31	1504	284.7	289	281	266·3	16	1493	291·7	295	289	287·6
800	31	2027	285·7	289	283	275·5	31	2009	282·4	287	279	261·8	16	2011	289·1	293	287	284·5
700	31	3142	281·5	283	275	266·7	31	3104	276·6	282	271	254·1	16	3136	283·5	287	280	278·4
600	31	4403	275·3	279	269	258·5	31	4343	270·5	277	264	..	14	4404	276·3	281	273	269·2
500	31	5855	267·0	272	261	..	31	5767	261·8	267	257	..	14	5862	268·4	271	262	..
400	30	7565	256·0	265	251	..	31	7445	251·1	255	246	..	12	7594	258·1	262	251	..
300	30	9662	241·5	246	236	..	31	9508	238·2	243	232	..	10	9721	244·1	247	242	..
250	30	10929	232·5	237	229	..	31	10763	231·1	235	223	..	10	11002	234·3	238	229	..
200	30	12417	221·7	229	214	..	31	12250	223·4	228	216	..	10	12498	222·3	226	215	..
175	29	13264	216·2	224	209	..	31	13116	219·2	226	213	..	8	13344	216·7	220	210	..
150	29	14238	210·7	219	202	..	31	14097	215·8	223	208	..	7	14329	210·4	215	203	..
125	26	15333	205·4	214	199	..	28	15242	212·3	219	206	..	5	15458	204·2	210	199	..
100	25	16682	201·8	210	192	..	25	16610	208·4	215	201	..	5	16775	198·6	205	191	..
80	21	18006	201·5	210	192	..	20	17982	208·9	219	201	..						
70	19	18817	202·6	210	192	..	16	18820	210·5	219	200	..						
60	15	19671	204·6	210	199	..	8	19783	213·5	226	203	..						
50	11	20826	207·0	211	203	..	6	20902	213·5	218	209	..						
40	8	22161	210·1	213	205	..						..						
30	6	23922	215 0	219	210	..						..						
20	..	..	..	..	..	..						..						
10	..	..	..	..	..	..						..						

RADIOSONDE DATA

TABLE VI— MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACES

(B) From Ascents at 12 Hours G.M.T.

December, 1965(Agrahayana 10 — Pausa 10, 1887 Saka)

Standard Pressure Surface mb.	SRINAGAR Surf. Pr. (843 mb.)						TRIVANDRUM (1001 mb.)						VISHAKHAPATNAM (1009 mb.)					
	No. of Obs.	Ht. gpm.	Temperature °A.				No. of Obs.	Ht. gpm.	Temperature °A				No. of Obs.	Ht. gpm.	Temperature°A			
			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point			Mean	Max.	Min.	Dew point
Surface	21	1588	280·1	283	274	273.9	31	064	300·6	303	297	296.1	31	041	298·7	302	295	291·7
1000	21	164	..	..	..	..	31	072	300·7	303	297	295·9	31	103	298·0	301	295	290·7
900	21	1049	..	..	..	..	31	997	293·5	296	290	289.8	31	1020	291·9	296	287	282.7
850	21	1523	..	..	..	..	31	1491	290·8	294	289	286.4	31	1510	289·9	293	285	278.4
800	21	2019	276·6	280	270	267·3	31	2010	287·9	291	286	283.5	31	2025	287·3	290	283	275.5
700	21	3091	270·8	275	266	261·2	31	3130	282·7	287	280	276.1	31	3142	282·2	287	278	269.3
600	21	4298	263·3	268	257	..	31	4398	276·3	279	273	270·8	30	4402	276·6	280	271	265·1
500	21	5677	253·2	259	248	..	31	5857	268·7	272	267	..	29	5860	268·4	271	264	..
400	21	7298	242·5	249	236	..	31	7584	257·8	261	253	..	29	7581	257·4	262	253	..
300	21	9291	230·3	236	225	..	31	9696	242·5	247	236	..	29	9691	242·2	249	237	..
250	21	10506	224·6	230	219	..	31	10967	232·8	240	223	..	28	10957	232·8	238	227	..
200	20	11951	220·0	226	215	..	31	12454	221·4	228	210	..	28	12446	222·5	231	218	..
175	20	12810	218·9	223	213	..	28	13295	215·6	223	206	..	25	13296	216·7	225	211	..
150	19	13794	218·3	223	214	..	28	14269	209·6	217	199	..	25	14269	210·6	220	205	..
125	18	14971	217·3	222	212	..	27	15360	203.2	210	198	..	22	15372	205·8	213	201	..
100	16	16395	215·5	220	211	..	26	16692	197.4	202	193	..	19	16721	200·1	207	194	..
80	12	17797	215·4	218	209	..	22	17973	198.7	205	190	..	11	18038	201·7	208	196	..
70	12	18651	215·8	220	211	..	18	18749	201.7	213	194	..	10	18811	204·5	207	199	.
60	12	19623	217·9	223	213	..	15	19643	204.1	213	197	..	10	19736	206·8	211	203	..
50	8	20806	220·4	225	214	..	15	20741	207.9	218	200	..	10	20809	210·0	215	207	..
40	5	22240	223·2	226	219	..	7	22115	210·6	217	205	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	.	..	..		..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..

NOTE.—Number of observations refer to those of dynamic height.

Means are not worked out for temperature and dew point for the 1000 mb. surface and for dew point for standard pressure surfaces with temperature less than 273 °A.

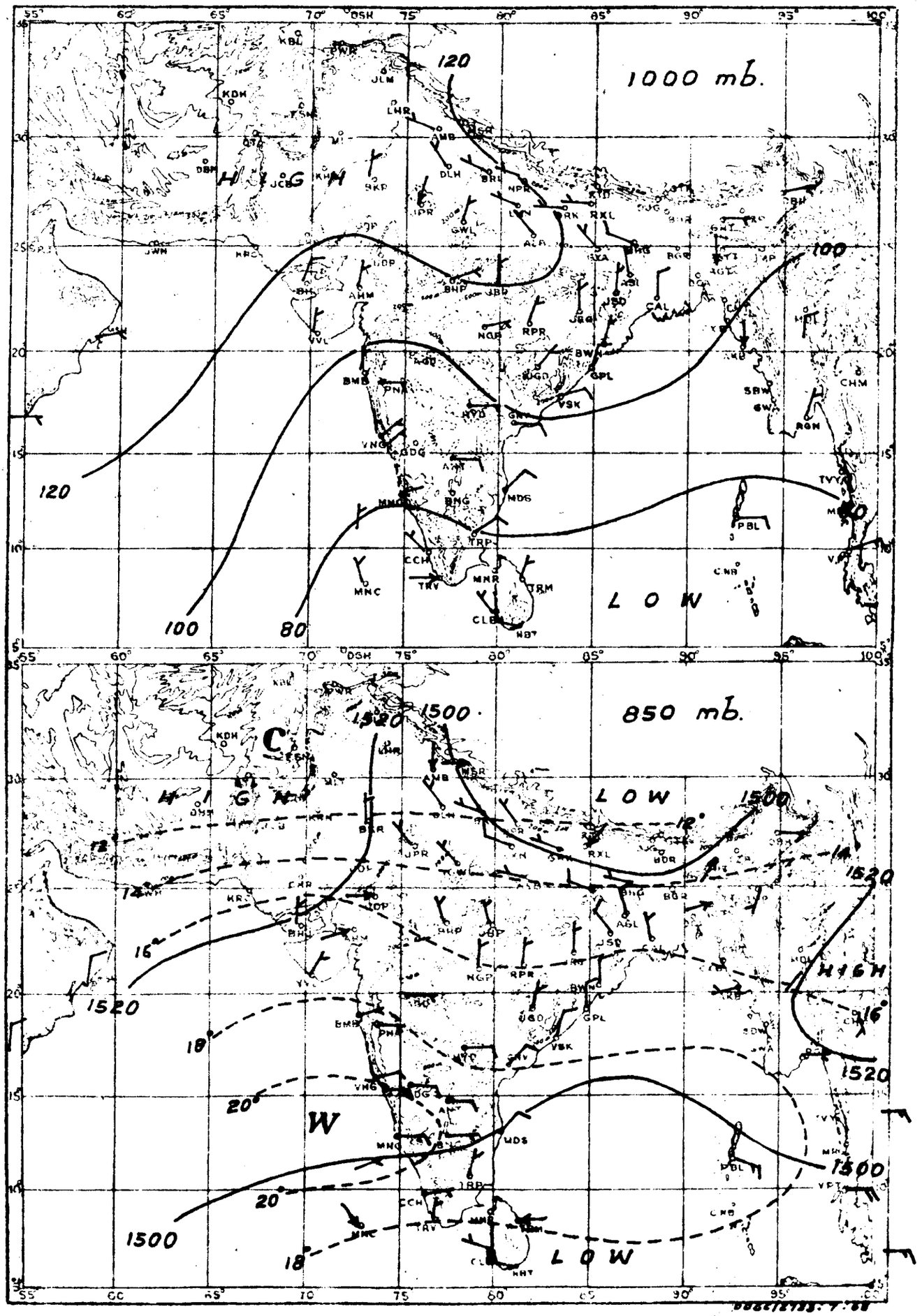
Means are not worked out for less than five observations at standard pressure surfaces.

GIPN—S2—3 D. D. G. Obs. (Poona)/69—29-8-70—260.

MONTHLY MEAN CONSTANT PRESSURE CHARTS

DECEMBER 1965

I.Met.D. *Plate* I

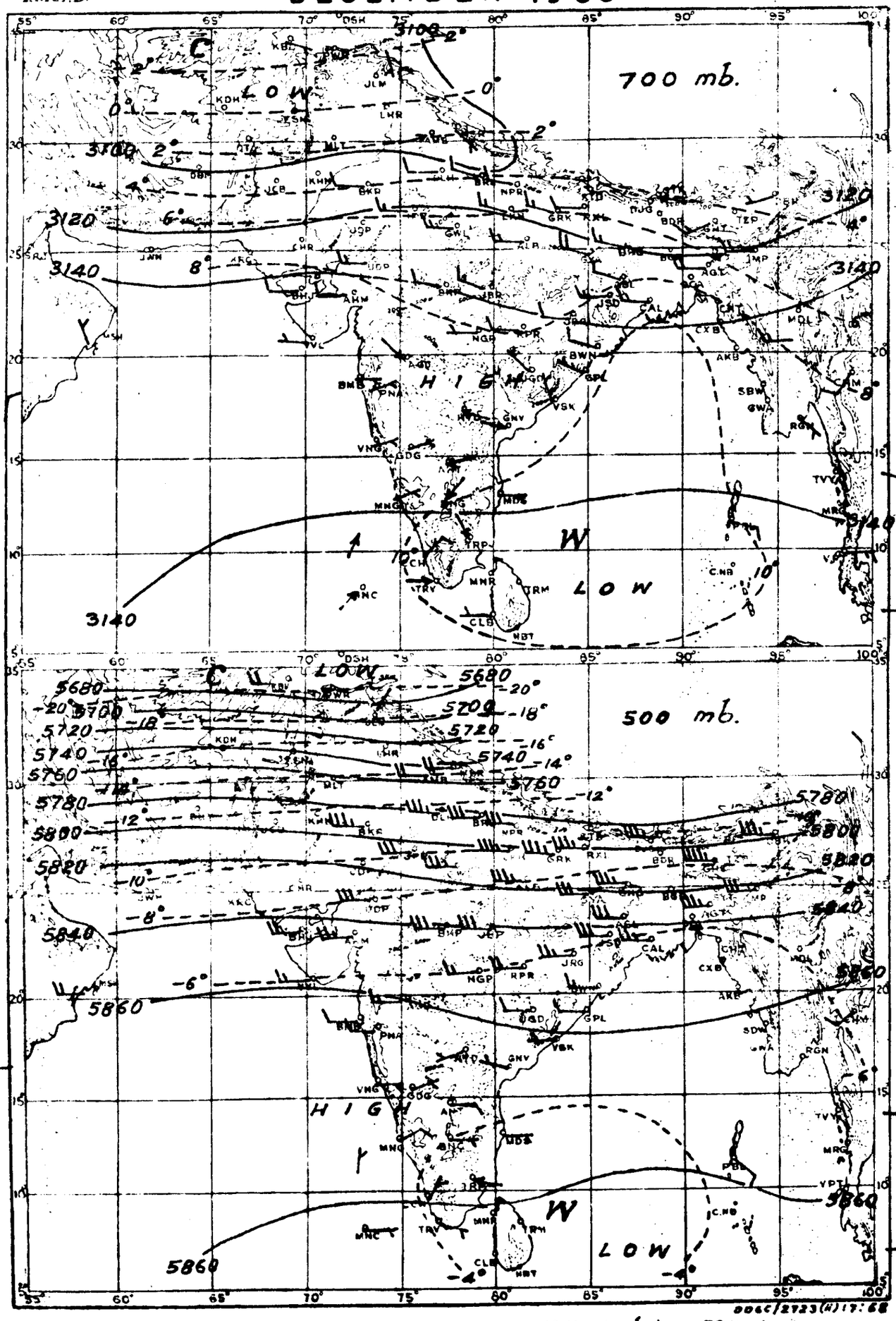


RESULTANT WIND — 5 Knots, — 10 Knots, — 50 Knots.

- - - - - Isotherms in degrees centigrade ——— Contours in geopotential metres.

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I. Met. D. **DECEMBER 1965** Plate II



RESULTANT WIND —— 5 Knots, —— 10 Knots, —— 50 Knots.

- - - - - - - - Isotherms in degrees centigrade ———— Contours in geopotential metres.

C.P.Z.O. Poona, 1969