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GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

INDIA WEATHER REVIEW, 1967

MONTHLY WEATHER REPORT

JANUARY

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INDIA WEATHER REVIEW, 1967

Monthly Weather Report

JANUARY

MONTHLY WEATHER REPORT

FOR

JANUARY - 1967

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* * * *

MEANINGS OF SYMBOLS AND ABBREVIATIONS IN TABLES II and III

Symbol/Abbreviation	Meaning
(a)	Mean/total for 30 days.
(b)	Mean/total for 29 days.
(c)	Mean/total for 28 days.
(d)	Mean/total for 27 days.
(e)	Mean/total for 26 days.
(f)	Mean/total for 25 days.
(g)	Mean/total for 24 days.
(h)	Mean/total for 23 days.
(i)	Mean/total for 22 days.
(j)	Mean/total for 21 days.
(k)	Mean/total for 20 days.
(l)	Mean/total for 19 days.
(m)	Mean/total for 18 days.
(n)	Mean/total for 17 days.
(o)	Mean/total for 16 days.
(p)	Mean/total for 15 days.
(q)	Mean/total for 14 days.
*	Closed during winter months.
(R)	Register not received, hence data not available.
≠	Data for less than 15 days, hence no means published.
ds	Days.
●	Data rejected.
D.N.A.	Data not available.
E	Estimated.
H	Height provisional.

INDIA WEATHER REVIEW, 1967

Monthly Weather Report

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Published by authority of the Government of India

Chief features :-

i) Formation and movement of a deep depression in the Bay of Bengal;

ii) Spells of good rainfall over the south Peninsula during the first fortnight;

iii) Scanty precipitation over northwest India due to the feeble activity of four western disturbances and

iv) Moderate to severe cold wave over northwest India and adjoining areas.

The low pressure area which was lying over the southwest Bay of Bengal at the end of last month concentrated into a depression by the morning of 1st January with centre near Lat. 6.5°N and Long. 83.0°E. Moving northnortheastwards, it intensified into a deep depression by the next morning with centre near Lat. 9°N and Long. 84°E. It changed its course towards eastnortheast from 3rd morning but later it began to move slowly northwards and recurve northwestwards. It weakened into a depression by the morning of 7th when it was centred near Lat. 15.5°N and Long. 84.5°E. Thereafter, it moved northwards and, weakening further, filled up off the north Andhra coast the next day. Under its influence, there was considerable influx of moist air into the northeastern parts of the Peninsula and northeast India leading to a spell of good rainfall there. The Bay Islands also received good rainfall at the beginning of the month. Some of the noteworthy amounts of rainfall recorded were Long Island 10 cm. on 2nd, Contai 8 cm. on 7th, and Calcutta (Dum Dum) 11 cm., Calcutta (Alipore) 10 cm., Sagar Island 8 cm. and Midnapore 7 cm. on 8th.

A low pressure area from the east moved into the south Andaman sea on 6th. Continuing its westward movement, the system lay over the southwest Bay of Bengal on 11th. It persisted as a trough of low pressure off the Madras and Andhra coasts till 13th and later became unimportant. In association with it, there was good rainfall in the Bay Islands initially and over the southeastern parts of the Peninsula and the coastal areas of Andhra Pradesh and of Orissa later. Cuddalore recorded an exceptionally heavy fall of 20 cm. of rain on 12th. The other noteworthy rainfall amounts were : Car Nicobar 14 cm. on 10th, Cuddalore and Vellore 5 cm. each on 11th and Conoor 5 cm. on 12th.

An upper air trough extending from west Madhya Pradesh to north Interior Mysore developed on 14th and persisted there the next day. Later, it moved away westwards causing isolated showers over the north Peninsula. The seasonal low over the extreme south Bay of Bengal was well marked from 15th to 18th when the extreme south Peninsula received good rainfall. Coonoor recorded 5 cm. of rain on 16th and Nagapattinam 9 cm., Fort Cochin 8 cm. and Pamban 4 cm. on 17th. Weather remained dry over the Peninsula later.

Mainly dry weather prevailed over northeast India also during the second fortnight. However, light to moderate rain or thundershowers occurred over north Assam during the period 25th to 29th under the influence of a feeble upper air trough lying over Assam and neighbourhood during the period.

Four western disturbances affected northwest India during the month causing only scanty precipitation. The first disturbance was feeble and lay over the northern divisions of West Pakistan at the beginning of the month. It moved slowly eastwards away across the Western Himalayas by 4th causing light precipitation over Western Himalayas and the plains of Uttar Pradesh on 3rd and 4th.

Another feeble western disturbance following in its immediate wake lay over Afghanistan on 5th. Moving slowly eastwards it passed across the Western Himalayas by 10th. Under its influence, light precipitation occurred over the Western Himalayas. The third western disturbance which moved across northwest India during the period 14th - 15th was also feeble and did not cause any significant precipitation. The last disturbance appeared after a break of 10 days. This disturbance was persisting over Afghanistan from 20th to 22nd. Later, it began to move slowly eastwards. It persisted over the Punjab and neighbourhood on 24th and 25th and later over the Western Himalayas and adjoining plains till 28th. Thereafter it moved away eastwards. Under its influence, light to moderate precipitation occurred over the Western Himalayas. Gulmarg recorded 3 cm. of rain on 27th.

A moderate to severe cold wave with sub-freezing minimum temperatures began to affect the extreme northwestern parts of the country from 10th. It extended to Rajasthan, north Gujarat State, Uttar Pradesh and north Madhya Pradesh and persisted till 14th. It began to abate from 15th. According to press reports, a few persons died in Gujarat State due to the cold wave and standing crops in Uttar Pradesh were damaged.

Night temperatures also remained below normal over northwest India, Uttar Pradesh and Gujarat State practically throughout the month. They were also below normal over the central parts of the country from 5th till the end of the month, over northeast India during the second fortnight and over the Peninsula in general during the last 10 days of the month, being appreciably to markedly so towards the end of the month. Night temperatures were generally above normal over the Peninsula during the second week and also over northeast India on a few days during the same week.

The rainfall was in large excess in the Bay Islands, South Assam including Nagaland, Gangetic West Bengal, Orissa, Coastal Andhra Pradesh, Interior Mysore South, Kerala; moderate excess in Rayalaseema, Interior Mysore North; normal in Bihar Plateau, Madras State including Pondicherry; in moderate defect in Telangana, Arabian Sea Islands and in large defect over the rest of the country.

The mean maximum temperature was above normal in North Assam including NEFA, Sub-Himalayan West Bengal and Himachal Pradesh and normal over the rest of the country.

The mean minimum temperature was above normal in South Assam including Nagaland, below normal in Bihar Plains, Uttar Pradesh, Haryana, Punjab, Himachal Pradesh, Rajasthan, Madhya Pradesh West, Gujarat and Saurashtra and Kutch. It was normal over the rest of the country.

The mean Relative Humidity in the morning was below normal in Sub-Himalayan West Bengal, Bihar Plains, Uttar Pradesh, Haryana, Punjab, Himachal Pradesh, Gujarat, Saurashtra and Kutch, Rajasthan, Madhya Pradesh, Vidarbha and normal over the rest of the country.

The mean Relative Humidity in the evening was above normal in Orissa and Interior Mysore South; Below normal in North Assam including NEFA, Sub-Himalayan West Bengal, Bihar Plains, Uttar Pradesh, Haryana, Punjab, Himachal Pradesh, Rajasthan, Madhya Pradesh, Gujarat and Arabian Sea Islands and normal over the rest of the country.

The mean cloud amount in the morning was above normal in South Assam including Nagaland, Gangetic West Bengal, Orissa, Coastal Andhra Pradesh, Rayalaseema, Interior Mysore North; normal in Telangana, Madras State including Pondicherry, Coastal Mysore, Interior Mysore South, Kerala, Bay Islands and Arabian Sea Islands, and below normal over the rest of the country.

The mean cloud amount in the evening was above normal in South Assam including Nagaland, Gangetic West Bengal, Orissa, Coastal Andhra Pradesh, Rayalaseema, Interior Mysore North; normal in Bay Islands, Madhya Maharashtra, Marathwada, Vidarbha, Telangana, Madras State including Pondicherry, Coastal Mysore, Interior Mysore South, Kerala, Arabian Sea Islands and below normal over the rest of the country.

Table I contains the divisional and sub-divisional means of rainfall, temperature, humidity and cloud amount for the 17 chief political divisions and the 33 sub-divisions. The stations whose observations are used for preparing these means are given in the subsequent tables.

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

Poona-5.

5th May, 1967.

R. ANANTHAKRISHNAN,

for Director General of Observatories.

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS - JANUARY 1967.(PAUSA 11 - MAGHA 11,1888 SAKA)

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1.ASSAM(INCLUDING	17.2	76	24.7	10.2	80	66	2.1	2.0
NEFA ETC.)	- 5.3		+1.0	-0.1	- 1	- 5	-0.6	-0.4
2.WEST BENGAL . . .	64.9	474	25.7	11.8	69	56	1.5	1.6
	+ 51.2		+0.3	-0.4	- 4	- 1	-0.2	-0.2
3.ORISSA . .	50.2	413	26.5	14.0	75	61	2.7	2.6
	+ 38.0		-1.0	-0.3	+ 4	+ 9	+1.0	+0.7
4.BIHAR . .	7.2	36	25.2	9.6	65	48	1.0	1.2
	- 13.0		+0.9	-0.9	- 9	- 7	-1.0	-0.8
5.UTTAR PRADESH . .	1.5	5	22.8	5.5	69	46	0.7	0.9
	- 26.4		+0.8	-2.6	-10	- 9	-1.6	-1.3
6.HARYANA(INCLUDING	0.0	0	20.9	3.9	68	38	1.2	1.2
DELHI+CHANDIGARH)	- 33.6		+0.1	-2.9	- 9	-11	-1.4	-1.3
7.PUNJAB . .	0.0	0	20.4	2.9	72	38	1.5	1.5
	- 40.2		+0.8	-2.4	-12	-18	-1.4	-1.5
8.HIMACHAL PRADESH.	0.4	1	19.6	2.8	88	51	2.5	2.4
	- 79.2		+1.1	-1.9	- 8	- 9	-3.3	-1.9
9.JAMMU AND KASHMIR	5.4	9	6.2	2.2	82	74	4.1	3.7
	- 55.9		-0.5	-0.8	+ 4	- 4	-1.3	-1.7
10.RAJASTHAN .	0.0	0	22.9	3.8	52	26	0.8	1.1
.	- 7.2		-0.2	-3.3	-15	-14	-1.1	-0.9
11.MADHYA PRADESH .	1.0	6	26.2	9.0	54	32	0.8	1.0
.	- 16.0		+0.3	-1.3	-13	- 7	-1.3	-1.2
12.GUJARAT STATE(IN	0.0	0	27.4	10.1	45	29	0.3	0.4
INCLUDING DIU ETC	- 1.6		-0.5	-2.2	-12	- 6	-1.0	-0.9
13.MAHARASHTRA STAT	0.3	5	29.9	15.0	59	39	1.1	1.4
.	- 5.3		+0.3	-0.4	- 2	- 2	-0.5	-0.3
14.ANDHRA PRADESH .	9.8	156	29.4	17.9	77	52	2.7	2.8
.	+ 3.5		-0.1	+0.4	+ 2	+ 2	+0.5	+0.6
15.MADRAS STATE (IN	38.7	106	29.4	20.3	80	62	3.8	3.8
CL. PONDICHERRY)	+ 2.0		+0.1	-0.3	+ 1	+ 2	-0.1	+0.1
16.MYSORE . .	5.8	164	29.3	16.6	70	43	2.5	2.8
.	+ 2.3		-0.3	-0.2	+ 2	+ 3	+0.3	+0.4
17.KERALA . .	31.6	183	31.8	21.7	74	58	3.1	3.7
.	+ 14.4		-0.1	-0.5	+ 1	- 0	+0.0	+0.4
.								0
0								.
SUB-DIVISION								
1.BAY ISLANDS .	186.0	226	29.6	23.2	77	79	4.3	4.7
	+103.6		+0.2	-0.4	+ 0	- 1	-0.0	+0.1
2.NORTH ASSAM	8.1	32	25.0	9.5	80	66	2.0	1.7
(INCLUDING NEFA)	- 16.9		+1.4	-0.9	- 2	- 8	-1.3	-1.1
3.SOUTH ASSAM(INCL	39.1	241	24.2	11.5	78	66	2.5	2.6
UDING N.LAND ETC.)	+ 22.9		+0.0	+1.6	+ 1	+ 2	+0.6	+0.7
4.SUB-HIMALAYAN	1.8	16	25.9	9.4	72	56	0.6	0.9
WEST BENGAL .	- 9.3		+2.0	-0.7	- 7	- 9	-1.3	-1.1
5.GANGETIC-WEST	85.9	590	25.7	12.6	67	57	1.8	1.8
BENGAL. . .	+ 71.4		-0.4	-0.3	- 3	+ 2	+0.2	+0.2
6.ORISSA . .	50.2	413	26.5	14.0	75	61	2.7	2.6
	+ 38.0		-1.0	-0.3	+ 4	+ 9	+1.0	+0.7
7.BIHAR PLATEAU .	18.3	92	25.5	10.6	63	48	1.2	1.6
	- 1.5		+0.7	-0.3	- 5	- 1	-0.7	-0.5
8.BIHAR PLAINS .	0.1	1	24.9	8.7	66	48	0.8	0.9
	- 20.4		+1.0	-1.3	-12	-11	-1.2	-1.0
9.UTTAR PRADESH,	2.6	11	23.8	6.3	72	48	0.6	0.7
EAST. .	- 19.8		+0.7	-2.6	- 9	- 8	-1.6	-1.3
10.UTTAR PRADESH,	0.0	0	21.5	4.4	66	43	0.8	1.1
WEST. . .	- 35.7		+0.9	-2.7	-11	-10	-1.7	-1.4
11.HARYANA (INCLUD-	0.0	0	20.9	3.9	68	38	1.2	1.2
DING DELHI ETC.)	- 33.6		+0.1	-2.9	- 9	-11	-1.4	-1.3
12.PUNJAB .	0.0	0	20.4	2.9	72	38	1.5	1.5
	- 40.2		+0.8	-2.4	-12	-18	-1.4	-1.5
13.HIMACHAL PRADESH	0.4	1	19.6	2.8	88	51	2.5	2.4
	- 79.2		+1.1	-1.9	- 8	- 9	-3.3	-1.9
14.JAMMU + KASHMIR.	5.4	9	6.2	2.2	82	74	4.1	3.7
	- 55.9		-0.5	-0.8	+ 4	- 4	-1.3	-1.7
15.RAJASTHAN,WEST.	0.0	0	23.2	3.2	49	24	1.1	1.4
	- 5.8		+0.0	-3.7	-15	-12	-0.9	-0.6
16.RAJASTHAN,EAST.	0.0	0	22.6	4.4	54	27	0.6	0.9
	- 8.4		-0.4	-3.0	-16	-15	-1.3	-1.1
17.MADHYA PRADESH,	0.4	3	25.7	7.9	50	29	0.5	0.7
(WEST).	- 12.9		+0.0	-2.2	-14	- 7	-1.6	-1.5
18.MADHYA PRADESH,	1.8	8	26.8	10.4	60	36	1.1	1.5
EAST. .	- 20.1		+0.6	-0.3	-11	- 7	-0.8	-0.7
19.GUJARAT REGION(I	0.0	0	28.3	10.4	43	24	0.2	0.2
CLUDING DAMAN ETC	- 2.3		-0.4	-1.8	-16	-10	-1.2	-1.0
20.SAURASHTRA KUTCH	0.0	0	26.8	9.9	46	32	0.4	0.5
(INCLUDING DIU).	- 1.3		-0.5	-2.5	- 9	- 4	-0.9	-0.8
21.KONKAN (INCLUDIN	0.0	0	29.8	18.5	66	58	1.0	0.9
GOA) .	- 1.7		+0.1	-0.8	- 2	- 3	-0.6	-0.5
22.MADHYA MAHARASH-	0.0	0	30.5	13.4	57	30	1.1	1.6
TRA. . .	- 4.1		+0.2	-0.2	+ 0	+ 0	-0.3	-0.3
23.MARATHWADA .	0.0	0	29.8	12.3	50	29	1.1	1.9
.	- 5.9		+0.3	-0.5	- 1	- 1	-0.5	-0.1
24.VIDARBHA .	1.0	9	29.4	14.2	57	33	1.0	1.6
.	- 9.9		+0.6	-0.2	- 6	- 3	-0.8	-0.2
25.COASTAL ANDHRA -	15.4	202	28.8	19.3	82	66	3.2	3.1
PRADESH .	+ 7.7		-0.1	+0.6	+ 4	+ 3	+0.8	+0.9
26.TELANGANA .	2.7	65	30.1	16.8	72	37	2.1	2.2
.	- 1.5		+0.0	+0.5	- 0	+ 1	+0.0	+0.1
27.RAYALASEEMA .	9.5	139	29.4	16.9	74	46	2.7	3.2
.	+ 2.7		-0.5	-0.3	+ 2	+ 3	+0.5	+0.6
28.MADRAS STATE.(IN	38.7	106	29.4	20.3	80	62	3.8	3.8
CL. PONDICHERRY)	+ 2.0		+0.1	-0.3	+ 1	+ 2	-0.1	+0.1
29.COASTAL MYSORE .	0.0	0	32.1	20.0	72	58	2.2	2.1
.	- 2.5		+0.2	-0.5	+ 1	- 2	-0.1	+0.0
30.INTERIOR MYSORE,	5.1	131	29.7	16.3	63	36	2.3	3.1
NORTH. .	+ 1.2		-0.1	+0.1	+ 2	+ 4	+0.7	+0.8
31.INTERIOR MYSORE,	9.4	248	27.9	15.3	75	41	2.9	2.9
SOUTH. .	+ 5.6		-0.7	-0.4	+ 1	+ 6	+0.1	+0.3
32.KERALA .	31.6	183	31.8	21.7	74	58	3.1	3.7
.	+ 14.4		-0.1	-0.5	+ 1	- 0	+0.0	+0.4
33.ARABIAN SEA -	22.7	71	30.3	23.1	76	65	3.1	3.9
ISLANDS. .	- 9.3		-0.2	-0.2	- 1	- 7	-0.2	-0.1
.								0
.								0

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

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
BAY ISLANDS																												
MAYA BANDAR	29.0	+1.2	30.2	31	23.6	+1.1	21.1	30	17.0	128.0	+109.6	59.0	02	4	+ 3.0	16.1	13.5	+4.6	0	5	0	0	0	0	0	0	0	0
LONG ISLAND	29.1	-0.8	30.4	13	21.2	-1.2	18.4	31	23.6	161.4	+132.4	99.4	02	4	+ 2.1	8.1	6.5	+4.5	0	4	0	0	0	0	0	0	0	0
PORT BLAIR	30.0	+0.8	31.4	29	22.8	+0.1	19.7	31	21.8	146.5	+ 95.4	42.0	09	7	+ 4.8	10.9	9.3	-4.1	0	12	0	0	0	2	0	0	1	0
CAR NICOBAR	29.9	+0.1	31.0	05	23.4	-1.0	20.5	10	104.7	263.4	+174.7	141.2	10	7	+ 2.4	8.4	6.3	-0.8	0	8	0	0	1	0	0	0	0	0
NAN COWRY	31.1	-0.6	32.8	27	24.6	+0.3	22.7	07	49.2	131.3	- 6.9	27.4	08	7	- 1.3	2.4	1.5	+0.9	1	13	0	0	2	0	0	0	0	0
KONDUL	28.3	0.0	29.8	02	23.7	-1.6	21.7	09	128.4	285.4	+116.4	54.4	09	15	+ 5.0	10.4	8.2	-2.9	0	17	0	0	2	0	0	0	0	0
NORTH ASSAM (INCLUDING NEFA)																												
PASIGHAT	24.1	+1.1	27.3	23	13.1	+0.1	11.6	25	4.4	25.6	- 23.2	9.6	28	4	- 0.1	11.3	17.3	+2.8	0	6	0	1	1	0	0	0	0	0
DIBRUGARH (MOHANBARI)	24.0	+1.5	26.6	20	9.2	+0.1	6.3	23	15.7	26.0	- 17.6	16.5	27	3	- 1.7	5.6	3.2	+1.1	0	7	0	0	3	6	0	0	1	0
DIGBOI	24.2	+2.1	25.8	26	9.4	-1.4	7.1	07	2.4	11.7	- 40.7	3.5	28	3	- 1.7	..	..	..	0	6	0	0	0	0	0	0	0	0
NORTH LAKHIMPUR	24.4	+1.6	27.0	20	7.2	-1.7	4.5	17	1.4	18.0	- 21.1	8.3	27	3	- 0.3	4.9	2.6	..	0	5	0	1	1	8	0	0	0	0
SIBSAGAR	25.3	+2.6	27.2	06	8.8	..	..	..	0.2	10.8	- 19.7	9.7	28	1	- 2.2	3.7	2.7	0.0	1	3	0	0	2	30	0	0	0	0
GOMPUR	23.7	+0.6	25.3	13	6.8	-2.2	4.1	24	0.5	3.0	- 21.3	2.5	08	1	- 1.3	4.0	2.5	..	0	2	0	0	0	0	0	0	0	0
MAJBAT	25.3	..	27.7	12	8.0	..	5.3	17	0.0	0.6	- 19.4	0.6	08	0	- 2.0	4.8	3.0	+0.5	0	1	0	0	0	0	0	0	0	0
JORHAT AERODROME	24.8	..	26.8	13	9.9	..	7.2	24	1.0	5.0	..	4.0	27	1	..	..	..	..	0	2	0	0	1	20	0	0	0	0
TANGLA	26.4	+1.7	29.5	31	..	..	..	..	0.0	0.0	- 18.3	0.0	..	..	..	2.5 b	2.0 d	+0.6	0	0	0	0	0	0	0	0	0	0
TEZPUR	25.7	+2.0	27.9	12	11.8	+0.4	9.7	31	0.2	3.8	- 11.2	2.6	08	1	- 0.5	5.0	3.5	+1.1	1	2	0	0	0	0	0	0	0	0
GOLAGHAT	25.6	+2.5	29.6	05	7.5	-4.1	5.4	31	0.0	5.6	- 13.6	3.2	09	1	- 1.5	..	..	..	0	2	0	0	0	0	0	0	0	0
RANGIA	25.1	+0.2	27.8	12	10.8	+0.5	8.8	30	0.0	3.9	- 20.2	2.0	08	0	- 1.8	4.3	3.8	..	0	2	0	0	0	0	0	0	0	0
CHAPARMUKH	25.1	+0.5	27.5	12	8.0	-2.9	5.3	30	0.0	4.2	- 0.6	4.2	09	1	+ 0.3	4.1 j	2.6	..	0	1	0	0	0	10	0	0	0	0
GOALPARA	26.1	+1.1	27.6	24	10.1	-0.4	7.4	31	0.0	2.6	- 20.0	2.6	27	1	- 0.4	2.8	1.8	-0.5	0	1	0	0	0	0	0	0	0	0
GAUHATI (BHORJOR)	24.6	+1.2	26.0	24	9.9	+0.1	6.7	30	0.6	7.3	- 8.3	4.6	08	1	- 0.5	5.2	2.8	..	0	3	0	0	1	17	0	0	0	0
DHUBRI (RUPSI)	25.3	+1.0	27.2	11	9.4	-0.7	6.1	31	0.0	0.0	- 24.5	0.0	..	0	- 1.8	7.5	5.2	+2.5	0	0	0	0	0	2	0	0	0	0
DHUBRI	24.3	+1.4	27.3	12	11.0	-0.8	8.4	30	0.0	2.0	- 6.4	2.0	08	0	- 0.7	11.8	7.7	+3.3	0	1	0	0	0	0	0	0	0	0
LUMDING	24.3	+0.4	26.5	21	9.0	+0.4	5.4	30	4.8	13.4	- 1.6	7.4	09	2	+ 0.6	1.6	1.6	..	0	2	0	0	0	0	0	0	0	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																												
TURA	24.4	+0.8	26.9	23	13.1	+0.8	10.1	14	0.0	6.9	- 3.1	5.3	08	1	- 0.5	4.6	5.6	+0.3	0	3	0	0	0	0	0	0	0	0
HAFLONG	23.1	+2.1	32.2	27	13.2	+2.8	9.7	08	14.4	53.0	+ 27.2	26.4	09	2	+ 0.4	0.0	0.0	..	0	3	0	0	0	6	0	0	0	0
SILCHAR (KUMBHIRGRAM)	25.7	-0.4	28.5	22	13.1	+1.3	9.3	31	15.9	62.9	+ 46.8	29.2	09	4	+ 2.4	5.3	7.2	-0.5	0	6	0	0	0	1	0	0	0	0
SILCHAR	22.8	-2.7	28.0	13	11.8	+0.1	7.7	31	11.8	39.8	+ 19.2	20.6	09	2	+ 0.6	2.2	1.1	-0.3	0	4	0	0	0	0	0	0	0	0
IMPHAL (TULIHAL)	21.5	+0.4	24.9	13	6.8	+3.2	1.2	31	16.0	40.5	+ 23.2	28.1	09	2	+ 0.3	6.2	3.7	-1.2	1	3	0	0	1	4	0	0	0	0
KAILASHAHAR	25.9	-0.3	28.1	12	11.6	+2.3	7.7	31	10.1	46.1	+ 39.2	35.0	08	2	+ 1.5	3.3	1.8	-0.1	2	2	0	0	0	6	0	0	0	0
AGARTALA	25.7	+0.1	27.6	28	10.7	+0.4	6.5	31	6.7	24.8	+ 7.6	17.0	08	2	+ 0.7	6.6	3.5	-0.2	2	2	0	0	0	3	0	0	0	0
SUB-HIMALAYAN WEST BENGAL																												
BAGHDOGRA	26.6	+2.6	29.2	24	6.7	-2.0	4.8	29	0.0	0.0	- 18.9	0.0	..	0	- 1.6	6.0	7.4	+3.7	0	0	0	0	0	0	0	0	0	0
JALPAIGURI	25.6	+2.2	27.9	24	10.9	+0.1	7.8	29	0.0	0.0	- 6.9	0.0	..	0	- 0.6	4.7	3.7	+0.4	0	0	0	0	0	0	0	0	0	0
COOCH BEHAR AERODROME	25.4	+1.4	27.5	23	8.8	-1.3	5.9	31	0.0	0.0	- 7.6	0.0	..	0	- 0.6	4.7	2.0	-0.5	0	0	0	0	0	12	0	0	0	0
BALURGHAT	26.2	..	28.4	27	10.1	..	5.8	14	0.0	6.8	..	6.6	08	1	..	2.7	2.4	..	0	1	0	0	0	0	0	0	0	0
MALDA	25.9	+1.7	28.5	27	11.1	+0.3	7.0	14	0.0	7.1	- 3.8	7.1	08	1	+ 0.1	3.1	1.7	-2.7	0	1	0	0	0	3	0	0	0	0
GANGETIC WEST BENGAL																												
BERHAMPORE	25.9	+0.2	29.4	28	11.9	+0.1	8.0	15	1.6	15.0	+ 5.9	15.0	08	1	0.0	2.0	0.9	-0.5	0	1	0	0	0	26	0	0	0	0
SURI	25.8	+0.5	29.4	28	12.1	-0.6	8.2	15	..	9.2	- 23.5	9.2	08	1	- 0.6	.	2.9	-2.9	0	1	0	0	0	0	0	0	0	0
ASANSOL	27.3	+1.6	31.1	28	10.8	-1.4	5.1	14	0.8	11.3	- 5.2	11.2	08	1	- 0.3	6.9	3.9	-1.4	1	1	0	0	0	0	0	0	0	0
SHANTI NIKETAN	25.9	..	29.5	27	12.1	..	7.5	15	3.5	14.5	..	14.3	08	1	..	5.4	5.0	..	1	1	0	0	0	0	0	0	0	0
KRISHNANAGAR	26.5	-0.3	29.3	26	9.9	-1.2	4.8	15	0.0	33.3	+ 20.8	33.0	08	1	0.0	0.1	0.0	-2.1	0	2	0	0	0	0	0	0	0	0
PURULIA	26.0	+0.6	30.4	27	12.3	-0.5	8.4	14	7.9	18.7	+ 9.8	16.8	08	1	- 0.1	4.7	3.1	0.0	1	2	0	0	1	0	0	0	0	0
BANKURA	27.0	..	31.0	28	8.7	..	5.1	31	16.2	25.2	+ 6.9	25.2	08	1	- 0.3	2.0	1.5	..	0	1	0	0	0	0	0	0	0	0
BURDWAN	26.6	+0.4	30.0	29	12.9	+0.2	8.6	15	16.0	33.2	+ 19.7	32.6	08	1	- 0.1	8.7	4.0	+1.2	0	2	0	0	0	0	0	0	0	0
CALCUTTA (DUM DUM)	25.1	-1.3	28.2	28	13.2	+0.9	8.4	15	65.1	127.7	+119.1	114.2	08	3	+ 1.9	6.3	3.3	-0.8	0	5	0	0	0	4	0	0	0	0
CALCUTTA	25.8	-1.0	28.3	28	14.6	+1.0	10.0	15	57.9	120.7	+108.8	99.9	08	4	+ 3.1	6.6	3.9	+1.1	0	4	0	0	0	2	0	0	0	0
MIDNAPORE	25.0	-1.9	29.0	28	11.6	-1.5	8.1	31	37.2	76.4	+ 61.2	65.4	08	2	+ 0.9	5.2	3.3	0.0	0	2	0	0	0	0	0	0	0	0
CONTAI	25.0	-1.6	28.1	03	13.2	-1.3	10.3	31	55.0	138.2	+124.7	80.0	08	4	+ 3.0	5.1	3.6	-0.5	0	4	0	0	0	4	0	0	0	0
SAGAR ISLAND	23.7	-1.3	26.6	02	16.3	+0.5	13.5	31	41.6	123.6	+109.4	89.9	08	3	+ 2.0	16.2	13.1	+1.8	0	4	0	0	0	12	0	0	0	0
SANDHEADS	25.2	..	29.1	19	20.5	..	16.6	13	3.2	25.3	+ 17.7	13.5	08	3	+ 2.3	..	..	..	0	4	0	0	0	0	0	0	0	0
ORISSA																												
BARIPADA	26.1	-2.3	30.7	28	13.0	+0.5	9.6	31	44.0	68.2	+ 46.8	58.2	08	2	+ 0.6	3.9	2.0	+0.2	0	4	0	0	0	3	0	0	0	0
JHARSUGUDA	27.8	+0.2	31.4	28	13.0	+0.3	8.7	31	5.7	9.6	- 5.9	9.5	08	1	- 0.3	9.0	7.0	+1.2	1	1	0	0	0	0	0	0	0	0
KEONJHARGARH	24.8	-0.9	28.9	28	6.9	-5.5	6.8	31	32.6	49.1	+ 38.7	31.2	08	4	+ 2.6	4.2	3.3	-0.4	0	5	0	0	0	0	0	0	0	0
BALASORE	25.1	-2.0	29.3	29	12.9	-1.2	10.0	31	64.7	136.8	+117.7	58.8	08	3	+ 1.8	8.6 h	5.7 d	+1.7	0	6	0	0	0	0	0	0	0	0
SAMBALPUR	28.5	+0.3	31.1	28	13.4	+0.8	7.9	31	8.4	10.4	- 5.9	8.4	08	1	0.0	1.6 i	2.5 j	-0.5	0	2	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
ORISSA(CONTD.)																												
ANGUL	26.5	-1.2	30.3	29	13.8	0.0	10.4	06	32.0	51.2	+ 38.7	19.2	10	3	+ 2.0	3.4	4.2	-1.2	0	4	0	0	0	1	0	0	0	0
CHANDBALI	25.0	-2.0	29.9	28	14.1	-0.7	11.0	31	44.8	76.8	+ 65.1	30.0	09	5	+ 4.0	7.8	5.2	-0.5	0	5	0	0	0	2	0	0	0	0
BOLANGIR	28.6	+0.3	33.2	28	17.4	+3.3	10.3	01	1.6	3.6	- 1.8	2.0	07	0	- 0.8	4.3	4.2	+0.6	0	2	0	0	0	0	0	0	0	0
PHULBANI	26.0	..	29.5	28	10.6	..	4.5	31	19.0	26.3	..	15.8	10	3	..	3.9	1.7	..	0	4	0	0	0	1	0	0	0	0
CUTTACK	27.4	-1.5	31.4	26	16.1	+0.4	14.0	02	12.5	55.8	+ 44.6	25.4	07	5	+ 4.1	3.4	4.0	+1.1	0	6	0	0	0	2	0	0	0	0
TITLAGARH	29.1	+0.4	33.3	28	14.8	+1.1	10.3	31	0.0	0.0	- 7.0	0.0	..	0	- 0.6	10.1	8.0	+6.0	0	0	0	0	0	0	0	0	0	0
BHUBANESWAR	26.2	-2.4	30.6	29	15.4	-0.5	12.7	16	18.5	59.9	+ 48.3	21.8	07	4	+ 3.3	15.6	11.6	+2.5	0	6	0	0	0	4	0	0	0	0
PURI	25.3	-1.6	27.6	02	16.4	-1.5	12.8	07	29.2	90.0	+ 77.8	26.4	07	5	+ 4.2	13.9	12.9	+1.0	0	6	0	0	0	0	0	0	0	0
GOPALPUR	25.7	-1.7	28.3	30	16.6	-0.3	14.0	02	41.5	78.1	+ 69.5	23.4	09	6	+ 5.3	12.3	9.5	0.0	2	6	0	0	0	1	0	0	0	0
KORAPUT (d)	25.0	-0.2	..	..	11.8	-0.2	..	..	6.2	12.7	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	0	0	0
BIHAR PLATEAU																												
DUMKA	27.3	+2.0	30.8	27	10.6	0.0	5.9	15	0.5	9.5	- 6.5	9.5	08	1	- 0.3	5.2	3.2	+0.3	0	1	0	0	0	0	0	0	0	0
DALTONGANJ	25.9	+1.5	29.2	27	8.7	-0.7	3.6	30	0.0	0.0	- 26.9	0.0	..	0	- 2.0	5.8	4.4	+1.5	0	0	0	0	0	0	0	0	0	0
HAZARIBAGH	23.6	+0.8	27.8	27	8.2	-1.4	2.8	14	0.0	2.1	- 24.1	2.1	08	0	- 2.1	8.9	7.3	+0.4	0	1	0	0	0	0	0	0	0	0
DHANBAD	26.1	+1.4	30.6	27	13.0	+0.9	8.5	14	0.0	6.0	- 6.2	6.0	08	1	0.0	5.1	4.0	-2.1	0	1	0	0	0	0	0	0	0	0
RANCHI	25.2	+1.6	29.1	01	8.9	-1.0	5.2	14	0.0	15.0	- 11.7	11.0	08	2	0.0	4.5	4.0	+0.3	0	2	0	0	0	0	0	0	0	0
RANCHI AERODROME	23.3	+0.1	27.2	27	10.5	-0.3	7.6	31	3.8	13.6	- 4.6	11.6	08	1	- 0.8	8.7	7.2	-0.6	0	2	0	0	1	0	0	0	0	0
JAMSHEDPUR	26.6	-0.1	30.6	28	11.2	-0.6	5.2	31	27.1	38.2	+ 21.4	37.4	08	1	- 0.4	5.7	3.9	+0.8	0	2	0	0	0	16	0	0	0	0
JAMSHEDPUR P.B.O.	25.7	-0.6	30.2	27	12.4	+0.2	7.1	31	23.6	36.5	+ 22.4	33.8	08	1	- 0.7	5.6	3.4	-0.1	0	4	0	0	1	0	0	0	0	0
CHAIBASA	25.7	-0.8	30.5	28	11.9	-0.1	8.1	31	25.0	43.6	+ 22.5	39.0	08	1	- 0.7	2.5	1.3	-0.5	0	4	0	0	0	0	0	0	0	0
BIHAR PLAINS																												
MOTIHARI	24.4	+1.5	26.4	10	7.7	-1.2	4.4	15	0.0	0.0	- 17.3	0.0	..	0	- 1.5	6.0	3.1	+0.9	0	0	0	0	0	0	0	0	0	0
FORBESGANJ	22.7	-2.2	26.6	24	8.5	-0.6	5.3	30	0.0	0.0	- 33.7	0.0	..	0	- 1.6	6.3	3.7	-0.4	0	0	0	0	0	0	0	0	0	0
DARBHANGA	24.9	+1.3	26.9	27	9.1	-0.9	5.9	14	0.0	0.0	- 10.7	0.0	..	0	- 0.9	1.6	1.3	-0.4	0	0	0	0	0	0	0	0	0	0
MUZAFFARPUR	24.7	..	27.2	26	7.1	..	3.7	15	0.0	0.0	- 15.0	0.0	..	0	- 1.2	..	..	..	0	0	0	0	0	0	0	0	0	0
CHAPRA	25.7	..	30.1	12	9.3	..	6.0	15	0.0	0.0	- 12.7	0.0	..	0	- 1.3	3.3	2.5	..	0	0	0	0	0	0	0	0	0	0
PURNEA	25.4	+1.1	27.9	27	7.1	-1.7	4.3	31	0.0	0.0	- 8.6	0.0	..	0	- 0.7	3.6	1.8	-1.1	0	0	0	0	0	0	0	0	0	0
PATNA	25.4	+1.8	28.7	27	9.0	-2.0	5.4	15	0.0	0.0	- 15.5	0.0	..	0	- 1.4	5.6	5.0	-0.1	0	0	0	0	0	0	0	0	0	0
PATNA AERODROME	24.8	+1.5	27.8	26	7.8	-2.1	3.1	15	0.0	0.4	- 28.0	0.4	03	0	- 1.3	7.8	3.5	-0.1	0	1	0	0	0	7	0	0	0	0
ARRAH	..	..	..	..	..	..	..	..	..	0.0	- 18.4	0.0	..	0	- 1.4	..	..	..	0	0	..	..	..	..	..	.	..	.
BHAGALPUR	25.5	+1.5	27.7	27	11.3	-0.5	7.2	14	0.0	0.0	- 34.5	0.0	..	0	- 1.8	6.5	4.9	-0.1	0	0	0	0	0	3	0	0	0	0
SABAUR	24.9	+1.3	28.0	27	7.2	-1.2	3.0	15	0.0	0.0	- 13.7	0.0	..	0	- 1.2	6.9	3.5	-1.0	0	0	0	0	0	0	0	0	0	0
JAMUI	26.4	+2.0	29.0	05	10.9	0.0	3.3	17	0.0	0.0	- 29.8	0.0	..	0	- 2.0	..	..	..	0	0	0	0	0	0	0	0	0	0
DEHRI	24.6	+0.8	28.4	26	8.9	-2.7	4.8	06	0.0	0.8	- 18.8	0.8	04	0	- 1.7	6.1	4.0	-0.2	0	1	0	0	0	0	0	0	0	0
GAYA	25.0	+0.8	28.4	26	8.5	-1.6	3.8	14	0.0	0.7	- 28.5	0.7	04	0	- 2.1	7.5	4.2	-1.6	0	1	0	0	0	0	0	0	0	0
UTTAR PRADESH EAST																												
KHERI	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BAHRAICH	24.5	+1.9	27.4	27	6.9	-1.9	3.9	13	0.0	0.6	- 21.2	0.6	03	0	- 1.7	5.7	3.6	-0.4	0	1	0	0	0	0	0	0	0	0
NAUTANWA	24.8	+1.7	26.8	31	4.3	-4.6	2.4	05	0.0	0.0	- 22.7	0.0	..	0	- 1.7	..	..	..	0	0	0	0	0	0	0	0	0	0
HARDOI	23.1	+1.0	27.6	26	5.4	-3.1	2.5	14	0.0	0.0	- 38.8	0.0	..	0	- 2.8	6.0	4.9	+0.6	0	0	0	0	0	0	0	0	0	0
GONDA	23.4	+0.5	27.5	27	5.4	-2.9	2.3	14	1.2	2.6	- 19.2	1.4	03	0	- 1.9	4.7	3.8	-0.1	0	2	0	0	0	0	0	0	0	0
LUCKNOW	22.7	-0.6	26.5	26	6.0	-2.9	2.5	15	0.0	0.0	- 17.5	0.0	..	0	- 1.5	..	..	..	0	0	0	0	0	0	0	0	0	0
LUCKNOW(AMAUSI)	22.9	+0.6	26.4	27	4.6	-3.4	0.1	14	0.0	0.0	- 31.4	0.0	..	0	- 2.4	6.6	5.4	-0.6	0	0	0	0	1	0	0	0	0	0
FAIZABAD	24.3	+1.8	27.8	27	6.5	-0.8	3.3	06	2.1	3.9	- 16.8	2.1	04	0	- 1.5	3.9	1.9	-1.0	0	2	0	0	0	3	0	0	0	0
GORAKHPUR	24.5	+1.5	27.9	27	8.6	-1.3	4.3	14	2.0	2.0	- 11.5	2.0	04	0	- 1.4	4.2	2.8	-0.1	0	1	0	0	0	0	0	0	0	0
KANPUR	22.9	+0.1	28.6	26	6.7	-1.9	1.7	14	0.0	0.0	- 13.7	0.0	..	0	- 1.5	11.3	8.0	+1.4	0	0	0	0	0	0	0	0	0	0
KANPUR(AERODROME)	22.7	..	27.1	27	5.7	..	1.1	14	0.0	0.8	..	0.8	03	0	..	..	..	..	0	1	0	0	0	1	0	0	0	0
SULTANPUR	23.7	+1.3	27.2	27	6.7	-2.1	3.8	06	0.0	6.6	- 15.2	6.6	03	1	- 0.8	3.7	2.7	-0.3	0	1	0	0	1	0	0	0	0	0
AZAMGARH	24.3	+1.0	27.7	23	..	..	..	..	3.8	7.2	- 15.2	5.2	04	1	- 1.1	3.4	2.1	..	0	2	0	0	0	0	0	0	0	0
FATEHPUR	23.3	-0.1	28.3	27	5.5	-3.4	1.3	14	0.6	7.0	- 9.7	6.4	03	1	- 0.9	6.6	3.2	+0.1	0	2	0	0	0	0	1	0	0	0
BALLIA	24.4	+0.5	26.5	04 ds	7.5	-2.4	5.0	05	0.0	0.0	- 31.4	0.0	..	0	- 2.0	5.1	2.5	-0.4	0	0	0	0	0	0	0	0	0	0
BANDA	24.0	+0.3	28.6	27	7.0	-2.6	4.2	14	0.0	9.6	- 11.9	9.6	03	1	- 1.5	2.5	1.0	-0.6	0	1	0	0	0	0	0	0	0	0
ALLAHABAD(BAMHRAULI)	23.8	+0.1	28.2	26	6.6	-2.5	3.1	14	0.5	2.1	- 17.5	1.6	03	0	- 1.6	5.5	2.9	-1.9	0	2	0	0	0	1	0	0	0	0
VARANASI(BABATPUR)	23.6	+0.5	27.3	27	6.1	-3.1	1.9	14	1.4	1.4	- 22.1	1.4	04	0	- 2.1	8.6	6.7	+0.2	0	1	0	0	0	1	0	0	0	0
VARANASI	23.7	+0.3	28.5	26	7.4	-2.1	2.9	14	0.5	0.5	- 21.1	0.5	03	0	- 1.8	3.2	2.9	-3.5	0	1	0	0	0	10	0	0	0	0
UTTAR PRADESH WEST																												
MUKHIM	13.5	+1.6	16.2	24	3.4	-0.2	0.5	04	0.0	0.0	- 76.8	0.0	..	0	- 4.8	...	..	..	0	0	0	0	0	0	0	0	0	0
TEHRI	21.2	+2.3	24.5	25	3.0	-2.0	0.4	13	0.0	0.0	- 63.8	0.0	..	0	- 5.0	2.7	1.5	..	0	0	0	0	0	1	0	0	0	0
DEHRA DUN	20.2	+1.1	23.4	26	5.0	-1.1	1.1	13	0.0	0.0	- 57.9	0.0	..	0	- 3.8	3.0	2.7	+0.1	0	0	0	0	1	0	0	0	0	0
MANSIARI	11.6	..	13.1	04 ds	1.3	..	1.0	27	..	2.3	..	1.2	03	0	..	..	..	..	0	2	..	..	..	..	..	.	..	.

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST (CONTD.)																												
ROORKEE	21.5	+1.4	24.8	26	3.1	-3.5	1.0	14	0.0	0.0	- 43.2	0.0	..	0	- 2.8	3.9	2.9	-1.1	0	0	0	0	0	0	0	0	0	0
MAJIRABAD	21.9	+1.6	25.4	26	3.3	-3.7	0.4	10	0.0	0.0	- 53.3	0.0	..	0	- 0.4	5.3	3.5	0.0	0	0	0	0	0	0	0	0	0	0
MEERUT	22.6	+2.0	26.4	25	3.3	-4.6	0.2	15	..	0.0	- 30.2	0.0	..	0	- 2.5	.	3.8	-1.1	0	0	0	0	0	0	0	0	0	0
BAREILLY	23.4	+1.4	26.3	26	6.5	-2.1	3.1	14	0.0	0.0	- 24.4	0.0	..	0	- 1.8	7.2	5.5	+2.0	0	0	0	0	0	0	0	0	0	0
ALIGARH	21.7	0.0	26.6	25	4.4	-3.2	1.7	04	0.0	0.0	- 17.8	0.0	..	0	- 1.6	7.7	5.1	-0.2	0	0	0	0	0	1	0	0	0	0
MAINPURI	23.8	+1.1	27.8	25	4.3	-3.4	- 0.4	14	0.0	0.0	- 15.2	0.0	..	0	- 1.5	..	..	..	0	0	0	0	0	4	0	0	0	0
AGRA	22.1	-0.1	27.5	25	5.0	-2.4	1.0	12	0.0	0.0	- 13.2	0.0	..	0	- 1.2	4.0	2.7	-0.9	0	0	0	0	0	0	0	0	0	0
AGRA AERODROME	23.1	..	27.2	25	3.3	..	- 0.3	12	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	2	0	0	0	0
ORAI	22.8	-0.2	28.4	27	5.8	-2.6	1.7	13	0.0	0.4	- 18.6	0.4	04	0	- 1.9	..	..	..	0	1	0	0	0	0	0	0	0	0
JHANSI	23.2	-0.9	29.4	26	5.3	-3.9	1.3	14	0.0	0.0	- 14.0	0.0	..	0	- 1.3	3.0	2.9	-1.0	0	0	0	0	0	0	0	0	0	0
HARYANA (INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	20.7	+0.6	25.1	25	4.5	-2.8	0.0	14	0.0	0.0	- 56.0	0.0	..	0	- 4.6	..	..	..	0	0	0	0	0	0	0	0	0	0
AMBALA	21.0	+0.2	24.5	26	3.8	-3.0	0.0	14	0.0	0.0	- 38.3	0.0	..	0	- 2.7	10.4	7.7	+2.2	0	0	0	0	0	0	0	0	0	0
AMBALA AERODROME	21.4	..	25.0	25	2.6	..	- 1.2	14	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	1	0	0	0	0
KARNAL	20.6	+0.4	23.5	23	4.5	-2.5	2.0	11	0.0	0.0	- 36.1	0.0	..	0	- 3.9	5.3	4.2	..	0	0	0	0	0	0	0	0	0	0
HISSAR	21.2	-0.5	27.3	25	2.5	-3.0	- 0.9	11	0.0	0.0	- 17.0	0.0	..	0	- 1.5	3.0	2.6	-2.9	0	0	0	0	0	1	0	0	0	0
NEW DELHI/SAFDARJUNG	21.2	-0.1	26.6	28	4.3	-3.0	1.5	12	0.0	0.0	- 20.8	0.0	..	0	- 1.8	13.6	8.7	+0.3	0	0	0	0	0	3	0	0	0	0
PALAM AERODROME	20.5	..	26.2	25	2.0	..	- 2.2	11	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
PUNJAB																												
PATHANKOT	19.7	+1.3	23.5	25	2.7	-2.9	- 0.1	13	0.0	0.0	- 92.2	0.0	..	0	- 5.2	..	..	..	0	0	0	0	0	1	0	0	0	0
AMRITSAR	20.2	+1.6	23.1	12	1.6	-2.9	- 2.1	13	0.0	0.0	- 37.1	0.0	..	0	- 2.9	0.6	40.4	+3.5	0	0	0	0	0	0	0	0	0	0
ADAMPUR AERODROME	21.2	..	24.0	25	0.4	..	- 3.3	12	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	1	0	0	0	0
LUDHIANA	21.4	+1.2	24.4	21	3.6	-2.2	0.6	14	0.0	0.0	- 33.3	0.0	..	0	- 2.4	5.0	2.5	-0.1	0	0	0	0	0	0	0	0	0	0
FEROZEPUR	19.7	+0.4	22.2	27	..	..	..	..	0.0	0.0	- 36.2	0.0	..	0	- 2.1	3.0	2.0	+0.2	0	0	0	0	0	0	0	0	0	0
HALWARA AERODROME	20.0	..	22.5	23	0.2	..	- 4.7	12	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	1	0	0	0	0
PATIALA	20.9	+0.7	23.8	25	4.0	-3.1	0.2	14	0.0	0.0	- 32.5	0.0	..	0	- 2.5	5.5	5.3	-1.9	0	0	0	0	0	0	0	0	0	0
BHATINDA	20.5	-0.2	23.4	22	2.8	-1.1	- 1.4	15	0.0	0.0	- 9.6	0.0	..	0	- 0.7	4.2	2.4	-1.9	0	0	0	0	0	0	0	0	0	0
HIMACHAL PRADESH																												
MANDI	19.9	+2.2	22.9	29	3.1	-0.6	0.1	04ds	0.6	0.8	- 81.2	0.4	28	0	- 6.2	..	..	..	0	2	0	0	0	3	0	0	0	0
BILASPUR	19.3	0.0	22.5	23	2.5	-3.1	- 2.0	04	0.0	0.0	- 77.1	0.0	..	0	- 4.8	..	..	..	0	0	0	0	0	6	0	0	0	0
JAMMU AND KASHMIR																												
MISGAR	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
GILGIT	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
SKARDU	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
DRAS	..	..	..	..	..	..	..	..	..	14.6	- 84.4	4.1	06	2	- 7.1	..	..	..	0	9	9	0	0	0	0	0	0	0
SONAMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
LEH	-4.9	-2.1	-2.1	01	..	..	..	..	0.0	0.3	- 10.6	0.1	24	0	- 1.2	..	..	..	3	0	3	0	0	0	0	0	0	0
SRINAGAR	4.3	-0.1	9.2	25	- 2.3	0.0	- 6.7	18	1.4	6.8	- 63.6	3.6	06	1	- 5.3	4.1	4.1	+0.5	4	3	5	0	0	0	0	0	0	0
SRINAGAR AERODROME	3.3	..	8.4	31	3.6	..	- 8.6	18	2.0	8.5	..	5.0	06	1	..	..	..	..	0	3	6	0	0	3	0	0	0	0
GULMARG	Functions during June to September only every year									..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
QAZIGUND	2.9	..	8.5	24	- 6.0	..	-12.2	17	13.1	38.0	..	13.5	06	6	..	2.3	3.0	..	1	10	9	0	0	2	0	0	0	0
BANIHAL	10.0	..	16.0	21	- 0.9	..	- 4.2	28	9.6	26.3	..	10.2	06	3	..	..	..	..	0	9	5	0	0	0	0	0	0	0
JAMMU	19.2	+0.8	23.1	25	6.7	-1.6	5.0	19	0.0	0.0	- 64.8	0.0	..	0	- 3.9	..	..	..	0	0	0	0	0	0	0	0	0	0
JAMMU AERODROME	20.2	..	22.7	25	5.1	..	1.7	10	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
GULMARG (RESEARCH INSTITUTE)	0.4	..	5.1	21	- 9.5	..	-13.0	09	46.4	138.8	..	37.0	06	7	..	..	..	..	0	7	7	0	0	0	0	0	0	0
RAJASTHAN, WEST																												
GANGANAGAR	21.6	+1.1	25.3	25	2.2	-2.5	- 2.0	12	0.0	0.0	- 15.1	0.0	..	0	- 1.6	3.1	1.6	-2.4	0	0	0	0	0	1	0	0	0	0
ANUPGARH	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
MAHAJAN	21.6	..	25.4	24	..	..	..	..	0.0	0.0	..	0.0	..	0	..	2.0	3.3	..	0	0	0	0	0	0	0	0	0	0
CHURU	21.4	-0.6	27.8	25	0.8	-5.0	- 3.9	12	0.0	0.0	- 9.1	0.0	..	0	- 0.6	6.0	3.7	-1.4	0	0	0	0	0	0	0	0	0	0
BIKANER	21.6	-0.7	28.4	24	1.2	-3.8	- 3.8	12	0.0	0.0	- 5.3	0.0	..	0	- 0.7	5.6	3.5	-1.1	0	0	0	0	0	0	0	0	0	0
NAGAUR	22.5	-0.1	28.5	24	2.2	-4.1	- 2.9	13	0.0	0.0	- 0.8	0.0	..	0	0.0	6.1	4.7	-0.4	0	0	0	0	0	0	0	0	0	0
PHALODI	..	..	..	..	4.2	-2.4	0.1	12	0.0	0.0	- 3.8	0.0	..	0	- 0.3	9.1	6.3	-3.7	0	0	0	0	0	0	0	0	0	0
JAISALMER	23.2	-0.4	28.0	24	4.7	-3.2	- 5.9	12	0.0	0.0	- 2.0	0.0	..	0	- 0.4	7.4	6.2	-2.4	0	0	0	0	0	0	0	0	0	0
JODHPUR	24.2	-0.4	30.6	24	5.7	-3.8	1.2	14	0.0	0.0	- 5.1	0.0	..	0	- 0.4	8.5	8.0	-0.9	0	0	0	0	0	0	0	0	0	0
BARMER	25.0	+0.3	32.4	25	..	..	..	..	0.0	0.0	- 6.1	0.0	..	0	- 0.4	4.6	3.2	-4.4	0	0	0	0	0	0	0	0	0	0
ERINPURA (JAWAI DAM)	26.1	+0.8	32.1	23	4.5	-5.0	0.3	13	0.0	0.0	- 5.0	0.0	..	0	- 0.3	2.8	2.6	-1.4	0	0	0	0	0	0	0	0	0	0
RAJASTHAN, EAST																												
PILANI	21.7	-0.6	27.5	25	1.8	-2.6	- 2.0	12	0.0	0.0	- 2.8	0.0	..	0	- 0.6	7.0	6.0	-1.2	0	0	0	0	0	0	0	0	0	0
SIKAR	20.5	-1.5	26.8	25	..	..	..	..	0.0	0.0	- 10.9	0.0	..	0	- 1.4	3.5	3.9	-2.2	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
RAJASTHAN, EAST (CONTD.)																												
ALWAR	..	..	..	..	4.7	-2.5	- 0.8	12	0.0	0.0	- 14.7	0.0	..	0	- 1.2	3.6	1.7	..	0	0	0	0	0	0	0	0	0	0
JAIPUR (SANGANER)	22.0	0.0	27.1	25	4.9	-3.4	- 0.5	11	0.0	0.0	- 10.9	0.0	..	0	- 0.9	..	..	..	0	0	0	0	0	0	0	0	0	0
DHOLPUR	22.3	-0.4	29.3	25	3.1	-5.1	- 1.2	12	0.0	0.0	- 12.1	0.0	..	0	- 2.6	4.5	2.8	-0.8	0	0	0	0	0	0	0	0	0	0
AJMER	22.9	+0.7	27.3	24	4.3	-3.0	0.7	15	0.0	0.0	- 9.7	0.0	..	0	- 0.9	5.2	3.1	-0.3	0	0	0	0	0	0	0	0	0	0
TONK	23.3	+0.9	29.7	25	3.2	-1.8	- 0.8	14	0.0	0.0	- 1.3	0.0	..	0	- 0.3	4.8	3.5	-1.3	0	0	0	0	0	0	0	0	0	0
BHILWARA	22.6	..	28.7	25	4.1	..	0.3	11	0.0	0.0	..	0.0	..	0	..	5.3	3.3	..	0	0	0	0	0	0	0	0	0	0
KOTA	23.7	-0.8	28.6	25	5.6	-5.0	2.0	11	0.0	0.0	- 7.6	0.0	..	0	- 0.8	3.7	2.5	+0.3	0	0	0	0	0	0	0	0	0	0
KOTA AERODROME	22.8	..	28.5	24	7.2	..	1.8	11	0.0	0.0	..	0.0	..	0	..	7.5	5.7	..	0	0	0	0	0	0	0	0	0	0
CHAMBAL (RAWAT BHATTA DAM)	23.8	-1.3	29.9	24	7.1	-0.3	3.6	13	0.0	0.0	- 8.1	0.0	..	0	- 0.8	6.7	4.0	-0.1	0	0	0	0	0	0	0	0	0	0
UDAIPUR	23.4	-0.8	29.7	24	4.5	-3.3	1.4	14	0.0	0.0	- 5.6	0.0	..	0	- 0.5	2.8	1.3	-0.9	0	0	0	0	0	0	0	0	0	0
JHALAWAR	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BANSWARA	28.1	..	32.3	23	10.9	..	8.3	15	0.0	0.0	..	0.0	..	0	..	7.6	7.2	..	0	0	0	0	0	0	0	0	0	0
MADHYA PRADESH, WEST																												
GWALIOR	22.3	-0.9	29.0	25	3.6	-3.9	- 0.9	13	0.0	0.0	- 18.8	0.0	..	0	- 1.6	7.7	3.7	0.0	0	0	0	0	0	0	0	0	0	0
SHEOPUR	23.7	-0.8	29.2	25	4.6	-3.2	- 0.1	14	0.0	0.0	- 15.3	0.0	..	0	- 1.9	7.5	5.8	+0.4	0	0	0	0	0	0	0	0	0	0
SHIVPURI	22.7	..	28.8	25	1.4	..	- 4.0	13	0.0	0.0	..	0.0	..	0	..	6.0	3.4	..	0	0	0	0	0	0	0	0	0	0
NOWGONG	23.4	-0.9	28.8	26	4.6	-3.1	0.1	14	0.0	5.4	- 10.9	5.4	03	1	- 0.4	4.5	2.2	-0.5	0	1	0	0	0	0	0	0	0	0
GUNA	24.5	-0.3	29.8	26	..	..	..	..	0.0	0.0	- 18.0	0.0	..	0	- 1.7	9.2	6.2	+1.8	0	0	0	0	0	0	0	0	0	0
NIMACH	23.9	-0.8	29.3	24	7.8	-1.7	5.0	13	0.0	0.0	- 6.3	0.0	..	0	- 0.5	7.0	6.5	+0.4	0	0	0	0	0	0	0	0	0	0
RAJGARH	25.6	-0.4	31.6	25	6.4	-2.2	2.6	05	0.0	0.0	- 12.3	0.0	..	0	- 1.3	7.2	5.2	-0.8	0	0	0	0	0	0	0	0	0	0
SAGAR	26.0	+1.5	30.1	27	10.5	-1.1	6.3	06	0.0	1.0	- 19.1	1.0	03	0	- 1.8	6.5	6.2	-0.7	0	1	0	0	0	0	0	0	0	0
RATLAM	26.4	+0.1	31.3	24	7.5	-3.5	4.1	05	0.0	0.0	- 8.0	0.0	..	0	- 0.7	12.0	11.6	+3.5	0	0	0	0	0	0	0	0	0	0
BHOPAL (BAIRAGARH)	25.1	-0.6	29.6	25	8.0	-2.4	4.1	05	0.0	0.0	- 17.0	0.0	..	0	- 1.8	11.1	10.7	+4.9	0	0	0	0	0	0	0	0	0	0
UJJAIN	25.7	..	30.2	25	5.9	..	1.6	30	0.0	0.0	..	0.0	..	0	..	8.3	5.2	..	0	0	0	0	0	0	0	0	0	0
NARSINGHPUR	27.5	..	30.4	25	..	..	..	..	0.0	0.0	..	0.0	..	0	..	5.3	2.6	..	0	0	0	0	0	0	0	0	0	0
HOSHANGABAD	26.6	0.0	30.5	25	10.4	-2.3	6.8	31	0.0	0.0	- 14.5	0.0	..	0	- 1.3	5.1	6.1	+1.9	0	0	0	0	0	0	0	0	0	0
INDORE	26.2	+0.1	30.4	25	7.5	-2.1	4.0	05	0.0	0.0	- 7.1	0.0	..	0	- 0.6	10.9	9.3	-0.6	0	0	0	0	0	0	0	0	0	0
RAJPUR (JHABUA)	27.7	-0.2	31.2	23	..	..	..	..	0.0	0.0	- 2.0	0.0	..	0	- 0.1	8.0	4.7	+0.9	0	0	0	0	0	0	0	0	0	0
CHHINDWARA	26.9	+1.4	29.6	25	9.2	-1.4	5.0	31	0.0	0.0	- 21.1	0.0	..	0	- 1.6	6.1	3.5	-0.9	0	0	0	0	0	0	0	0	0	0
SEONI	26.9	+1.5	30.5	26	10.9	-0.6	7.5	31	0.0	0.0	- 19.6	0.0	..	0	- 1.6	9.0	4.1	+0.9	0	0	0	0	0	0	0	0	0	0
BETUL	27.2	+0.8	29.6	25	9.1	-2.0	4.2	31	0.0	0.0	- 7.3	0.0	..	0	- 0.9	5.2	3.0	-1.7	0	0	0	0	0	0	0	0	0	0
KHANDWA	28.8	-0.5	32.4	23	10.4	-1.6	5.6	30	0.0	0.0	- 8.6	0.0	..	0	- 0.7	9.1	6.6	+0.9	0	0	0	0	0	0	0	0	0	0
MADHYA PRADESH, EAST																												
SATNA	24.3	-0.4	29.0	26	6.9	-2.1	2.7	14	0.0	0.8	- 21.8	0.8	03	0	- 2.0	5.0	3.3	-0.4	0	1	0	0	0	1	0	0	0	0
REWA	24.4	..	29.2	26	5.3	..	0.6	14	0.0	0.0	..	0.0	..	0	..	4.7	2.5	..	0	0	0	0	0	0	0	0	0	0
SIDHI	25.8	+1.8	29.9	26	6.1	-1.5	1.5	14	0.0	0.0	- 31.2	0.0	..	0	- 2.2	4.4	2.2	-0.7	0	0	0	0	0	0	0	0	0	0
UMARIA	26.0	+1.0	29.5	26	7.0	-2.0	2.4	14	0.0	0.0	- 31.1	0.0	..	0	- 2.3	5.8	3.3	+0.3	0	0	0	0	0	2	0	0	0	0
JABALPUR	26.3	+0.2	29.8	16	8.2	-1.6	4.5	30	0.0	0.0	- 24.4	0.0	..	0	- 2.0	5.5	3.3	-0.1	0	0	0	0	0	0	0	0	0	0
AMBIKAPUR	25.2	+1.3	28.5	26	9.1	+0.5	4.8	14	0.0	2.6	- 19.3	2.4	18	0	- 2.2	8.5	6.4	+0.3	1	1	0	0	1	0	0	0	0	0
JASHPURNAGAR	23.8	..	25.8	26	8.6	..	3.7	14	1.2	34.4	..	31.6	18	2	..	7.0	4.5	..	0	2	0	0	0	0	0	0	0	0
PENDRA	25.1	+1.1	28.7	28	11.1	+0.2	8.3	30	5.1	5.1	- 21.8	5.1	18	1	- 1.1	7.2	5.2	-0.1	0	1	0	0	1	0	0	0	0	0
MANDLA	27.6	+1.6	30.1	26	7.4	-1.4	2.6	31	0.0	0.0	- 28.7	0.0	..	0	- 2.7	5.0	2.9	+0.9	0	0	0	0	0	0	0	0	0	0
CHAMPA	27.8	+0.3	30.6	28	13.7	-0.1	10.5	14	0.8	0.0	- 23.2	0.0	..	0	- 1.5	6.0	5.3	+0.8	0	0	0	0	0	0	0	0	0	0
RAIGARH	28.8	+0.4	31.8	28	14.1	+0.5	9.5	31	0.0	9.3	- 9.1	6.8	08	2	+ 0.7	5.9	4.6	+0.6	0	2	0	0	0	0	0	0	0	0
RAIPUR	28.0	+0.3	31.1	28	13.9	+0.4	9.5	31	0.0	1.9	- 11.8	1.9	18	0	- 1.1	8.0	5.6	+0.6	0	1	0	0	0	0	0	0	0	0
KANKER	28.0	+0.1	30.3	27	13.4	+1.3	8.2	31	0.0	0.0	- 10.4	0.0	..	0	- 0.8	4.0	3.6	+1.4	0	0	0	0	0	0	0	0	0	0
JAGDALPUR	28.3	-0.2	30.6	29	13.4	+2.4	10.4	31	0.0	1.3	- 8.6	1.3	07	0	- 0.8	2.5	1.0	-1.8	0	1	0	0	0	0	0	0	0	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DEESA	27.0	-0.8	32.8	24	7.4	-3.0	4.3	14	0.0	0.0	- 2.5	0.0	..	0	- 0.2	10.1	8.7	..	0	0	0	0	0	0	0	0	0	0
RADHANPUR	26.6	-1.0	31.3	26	7.5	-2.3	3.7	12	0.0	0.0	- 0.1	0.0	..	0	0.0	8.6	7.3	+1.2	0	0	0	0	0	0	0	0	0	0
IDAR	26.6	-0.9	31.1	24	14.5	-0.3	10.5	25	0.0	0.0	- 3.1	0.0	..	0	- 0.3	7.9	8.2	+0.6	0	0	0	0	0	0	0	0	0	0
AHMADABAD	28.0	-0.7	33.0	24	9.4	-2.5	6.0	14	0.0	0.0	- 2.0	0.0	..	0	- 0.2	11.3	5.8	+0.4	0	0	0	0	0	0	0	0	0	0
DOHAD	27.3	+0.4	32.0	24	10.7	-1.4	7.3	05	0.0	0.0	- 3.0	0.0	..	0	- 0.4	8.3	6.9	-2.0	0	0	0	0	0	0	0	0	0	0
VALLABH VIDYANAGAR	28.4	..	33.2	24	9.5	..	5.6	15	0.0	0.0	..	0.0	..	0	..	10.8	7.4	..	0	0	0	0	0	3	0	0	0	0
BARODA AERODROME	29.2	-0.4	34.2	23	10.8	-1.9	6.6	15	0.0	0.0	- 1.8	0.0	..	0	- 0.2	9.0	7.0	-0.1	0	0	0	0	0	0	0	0	0	0
BARODA	30.3	+0.2	35.3	23	11.4	+0.6	7.5	15	0.0	0.0	- 2.5	0.0	..	0	- 0.3	5.2	3.7	-0.1	0	0	0	0	0	0	0	0	0	0
BROACH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8.1	6.4	+0.5	.	..	0	0	0	1	0	0	0	0
SURAT	31.4	0.0	36.2	24	11.6	-3.2	7.9	15	0.0	0.0	- 3.3	0.0	..	0	- 0.2	10.9	8.2	+2.2	0	0	0	0	0	0	0	0	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																												
NALIYA	25.7	-1.5	29.6	23	5.4	-2.5	1.6	12	0.0	0.0	- 1.8	0.0	..	0	- 0.4	16.4	12.0	+3.3	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
SURASHTRA AND KUTCH (INCLUDING DIU) (CONTD.)																												
BHUJ (RUDRAMATA)	25.6	-0.5	30.5	24	6.9	-3.2	3.3	12	0.0	0.0	- 2.0	0.0	..	0	- 0.3	13.4	6.9	-1.0	0	0	0	0	0	0	0	0	0	0
KANDLA AERODROME	26.4	..	31.5	24	9.6	..	5.3	15	0.0	0.0	..	0.0	..	0	..	18.3	20.3	..	0	0	0	0	0	0	0	0	0	0
NEW KANDLA	23.9	-1.5	29.4	24	10.9	-3.0	7.9	12	0.0	0.0	0.0	0.0	..	0	0.0	12.5	13.7	+1.0	0	0	0	0	0	0	0	0	0	0
MANDVI	24.6	-1.0	27.5	18	11.2	-3.0	6.0	13	0.0	0.0	- 1.4	0.0	..	0	- 0.3	17.1	16.0	+0.7	0	0	0	0	0	1	0	0	0	0
SURENDRANAGAR	27.9	-0.3	32.8	24	10.2	-2.7	8.2	13	0.0	0.0[b]	..	..	..	..	..	10.7[a]	9.4[b]	-0.1	.	..	0	0	0	0	0	0	0	0
OKHA	23.2	..	26.2	23	17.2	..	15.1	13	0.0	0.0	..	0.0	..	0	..	17.2	21.5	..	0	0	0	0	0	0	0	0	0	0
JAMNAGAR AERODROME	25.3	-1.1	29.5	24	7.9	-2.7	2.1	15	0.0	0.0	- 1.3	0.0	..	0	- 0.1	..	..	..	0	0	0	0	0	2	0	0	0	0
DWARKA	25.1	-0.3	29.3	23	13.9	-2.2	10.2	23	0.0	0.0	- 2.5	0.0	..	0	- 0.3	19.0	14.9	+1.4	0	0	0	0	0	0	0	0	0	0
RAJKOT	27.4	-0.7	32.1	24	8.6	-2.1	5.1	15	0.0	0.0	- 1.1	0.0	..	0	- 0.1	20.0	14.9	+1.8	0	0	0	0	0	0	0	0	0	0
BHAVNAGAR AERODROME	28.0	+0.4	31.7	24	9.9	-1.2	5.6	14	0.0	0.0	- 1.4	0.0	..	0	- 0.3	20.2	17.6	+9.2	0	0	0	0	0	0	0	0	0	0
PORBANDER AERODROME	28.7	+0.2	31.6	20	11.9	-3.4	6.2	15	0.0	0.0	- 2.4	0.0	..	0	- 0.3	18.5	15.0	..	0	0	0	0	0	0	0	0	0	0
KESHOD	29.7	-0.3	33.4	24	9.2	-2.6	4.5	09	0.0	0.0	0.0	0.0	..	0	0.0	19.5	17.1	+3.7	0	0	0	0	0	0	0	0	0	0
MAHUVA	30.2	..	33.6	23	12.7	..	7.1	15	0.0	0.0	- 0.7	0.0	..	0	- 0.1	6.2	8.6	..	0	0	0	0	0	0	0	0	0	0
VERAVAL	29.3	+0.7	32.4	18	12.9	-1.4	9.4	15	0.0	0.0	- 1.3	0.0	..	0	- 0.1	19.5	16.6	+4.3	0	0	0	0	0	0	0	0	0	0
DIU	27.2	..	30.0	24	14.4	..	10.6	04ds	0.0	0.0	..	0.0	..	0	..	13.4	10.7[a]	..	0	0	0	0	0	0	0	0	0	0
KONKAN (INCLUDING GOA)																												
DAHANU	28.9	+1.2	35.4	17	13.7	-3.1	10.1	21	0.0	0.0	- 1.8	0.0	..	0	- 0.2	11.6[a]	12.2[b]	+0.1	0	0	0	0	0	0	0	0	0	0
BOMBAY (SANTACRUZ)	30.5	-0.1	35.2	24	15.9	-0.4	10.2	15	0.0	0.0	- 0.1	0.0	..	0	0.0	10.4	7.6	-0.7	0	0	0	0	0	0	0	0	0	0
BOMBAY	29.0	-0.1	34.4	30	18.6	-0.8	14.7	15	0.0	0.0	- 4.1	0.0	..	0	- 0.3	11.5	10.2	+1.1	0	0	0	0	0	0	0	0	0	0
ALIBAG	28.3	+0.1	33.5	11	17.3	-0.4	12.5	15	..	0.0	- 2.5	0.0	..	0	- 0.4	.	9.9	+3.5	0	0	0	0	0	0	0	0	0	0
BHIRA	35.0	..	37.2	14	14.8	..	9.3	15	0.0	0.0	..	0.0	..	0	..	4.9	3.2	..	0	0	0	0	0	0	0	0	0	0
HARNAI	28.1	0.0	32.6	11	22.2	-0.1	18.7	28	0.0	0.0	- 1.4	0.0	..	0	- 0.2	17.5	15.3	+1.8	0	0	0	0	0	0	0	0	0	0
RATNAGIRI	30.7	-0.2	34.2	30	18.9	-0.5	15.4	28	0.0	0.0	- 1.8	0.0	..	0	- 0.1	11.8	8.5	..	0	0	0	0	0	0	0	0	0	0
DEVGARH	30.5	+0.2	33.8	31	20.1	-1.0	19.0	05 ds	0.0	0.0	- 1.9	0.0	..	0	- 0.2	16.8	14.1	+1.2	0	0	0	0	0	0	0	0	0	0
VENGURLA	31.6	-0.5	34.0	14	17.9	-0.8	14.1	28	0.0	0.0	- 0.1	0.0	..	0	0.0	9.7	5.3	..	0	0	0	0	0	0	0	0	0	0
PANJIM	31.8	..	34.6	14	19.7	..	17.0	28	0.0	0.0	..	0.0	..	0	..	10.7	8.9	..	0	0	0	0	0	1	0	0	0	0
MORMUGAO	30.2	+0.5	33.3	11	21.6	+0.2	19.0	28	0.0	0.0	- 1.8	0.0	..	0	- 0.1	12.3	11.2	+0.6	0	0	0	0	0	0	0	0	0	0
DABOLIM (NAVAL AIR STN.)	30.9	..	33.3	22	21.1	..	17.8	28	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	1	0	0	0	0
MADHYA MAHARASHTRA																												
NANDURBAR	30.6	+0.3	34.0	24	15.2	-1.0	8.9	05	0.0	0.0	- 6.8	0.0	..	0	- 0.4	5.1	3.9	-1.5	0	0	0	0	0	0	0	0	0	0
JALGAON	30.6	0.0	33.1	25	11.5	-1.2	6.1	31	0.0	0.0	- 7.9	0.0	..	0	- 0.6	11.8	9.8	+2.2	0	0	0	0	0	0	0	0	0	0
MALEGAON	29.6	-0.5	33.0	25	12.9	+1.4	7.1	31	0.0	0.0	- 4.6	0.0	..	0	- 0.4	6.3	5.1	-0.1	0	0	0	0	0	0	0	0	0	0
DZAR	29.1	..	32.0	25	9.1	..	2.3	15	0.0	0.0	..	0.0	..	0	..	8.7	7.2	..	0	0	0	0	0	0	0	0	0	0
AHMADNAGAR	31.5	+2.0	33.7	13	12.7	+0.2	10.0	28	0.0	0.0	- 7.1	0.0	..	0	- 0.5	6.8	5.0	-0.6	0	0	0	0	0	0	0	0	0	0
KHANDALA	..	..	..	..	..	..	..	..	..	0.0	- 1.8	0.0	..	0	- 0.1	..	..	..	.	..	..	..	..	..	..	.	..	.
POONA AERODROME	30.8	..	33.0	19	13.1	..	9.5	27	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
POONA	30.2	+0.7	32.0	20	10.4	-0.3	7.3	27	0.0	0.0	- 2.5	0.0	..	0	- 0.3	5.5	2.7	..	0	0	0	0	0	0	0	0	0	0
JEUR	30.2	-0.4	32.2	27	13.0	-0.4	8.7	28	0.0	0.0	- 0.1	0.0	..	0	0.0	8.2	5.5	-0.4	0	0	0	0	0	0	0	0	0	0
BARAMATI	30.6	0.0	32.8	18	13.6	-0.4	10.8	27	0.0	0.0	0.0	0.0	..	0	0.0	7.3	5.7	-1.0	0	0	0	0	0	0	0	0	0	0
SHOLAPUR	31.0	+0.2	33.2	27	16.0	+0.2	12.7	07	0.0	0.0	- 5.8	0.0	..	0	- 0.3	10.2	8.0	+0.2	0	0	0	0	0	0	0	0	0	0
MIRAJ	30.3	-0.3	32.4	27	14.1	-0.2	9.4	07	0.0	0.0	- 4.1	0.0	..	0	- 0.2	..	..	..	0	0	0	0	0	4	0	0	0	0
KOLHAPUR	30.6	-0.1	32.0	26	14.8	-0.2	11.4	28	0.0	0.0	- 2.5	0.0	..	0	- 0.4	8.7	6.0	-1.9	0	0	0	0	0	0	0	0	0	0
UDGIRI	26.3	..	28.1	13	16.1	..	12.1	28	0.0	0.0	..	0.0	..	0	..	10.9	9.7	..	0	0	0	0	0	0	0	0	0	0
MARATHWADA																												
AURANGABAD	30.0	+0.7	32.0	25	13.9	-0.4	10.6	27	0.0	0.0	- 7.4	0.0	..	0	- 0.6	6.7	7.0	-0.8	0	0	0	0	0	0	0	0	0	0
AURANGABAD (CHIKALTHAN)	29.1	0.0	31.3	15	9.4	-1.1	5.3	30	0.0	0.0	- 1.2	0.0	..	0	- 0.3	8.1	5.4	-0.9	0	0	0	0	0	0	0	0	0	0
PARBHANI	30.4	+0.2	32.0	26	13.7	0.0	11.1	28	0.0	0.0	- 9.1	0.0	..	0	- 0.7	1.8	0.8	-4.4	0	0	0	0	0	0	0	0	0	0
NANDER	30.8	..	34.6	27	15.1	..	10.2	07	0.0	0.0	..	0.0	..	0	..	5.4	4.5	..	0	0	0	0	0	0	0	0	0	0
BIR	29.9	..	32.0	25	11.9	..	8.0	31	0.0	0.0	..	0.0	..	0	..	4.7	2.3	..	0	0	0	0	0	0	0	0	0	0
VIDARBHA																												
GONDIA	28.7	+1.1	32.0	07	13.4	+0.1	9.0	31	0.0	2.0	- 19.1	2.0	18	0	- 1.5	3.6	2.7	-0.2	0	1	0	0	0	0	0	0	0	0
NAGPUR (SONEGAON)	29.4	+0.8	32.6	26	12.4	-0.3	8.6	31	2.8	2.8	- 8.6	2.8	18	1	+ 0.1	10.5	8.6	+1.5	0	1	0	0	0	0	0	0	0	0
AMRAOTI	29.6	+0.7	31.6	26	15.7	+0.2	12.0	28	0.0	0.0	- 12.9	0.0	..	0	- 1.1	10.0	9.4	+0.8	0	0	0	0	0	1	0	0	0	0
AKOLA AERODROME	30.0	..	32.5	15	10.2	..	6.7	29	0.0	0.0	..	0.0	..	0	..	9.9	8.6	..	0	0	0	0	0	0	0	0	0	0
AKOLA	30.2	0.0	32.3	22	13.2	-0.5	8.6	30	0.0	0.0	- 10.7	0.0	..	0	- 0.9	4.6	3.4	-2.0	0	0	0	0	0	0	0	0	0	0
BRAMHAPURI	29.6	+1.1	32.7	22	12.9	-1.1	7.9	31	0.3	0.3	- 14.5	0.3	18	0	- 1.0	6.7	4.0	+0.3	0	1	0	0	0	0	0	0	0	0
BULDANA	27.5	+0.1	30.1	25	15.0	-0.4	12.4	31	0.0	0.0	- 7.7	0.0	..	0	- 0.5	8.4	5.9	-2.4	0	0	0	0	0	0	0	0	0	0
YEOTMAL	29.0	+0.3	31.8	26	15.1	-0.5	12.0	07	2.0	2.0	- 8.9	2.0	18	0	- 0.7	10.1	8.0	-0.9	0	1	0	0	1	0	0	0	0	0
CHANDRAPUR	29.8	+0.3	32.8	27	14.2	+0.5	9.9	31	0.0	2.2	- 5.4	2.2	16	0	- 0.6	6.7	4.5	+1.1	0	1	0	0	0	0	0	0	0	0
PUSAD	30.7	..	33.4	28	12.3	..	7.2	03	0.0	0.0	..	0.0	..	0	..	5.5	3.1	..	0	0	0	0	0	0	0	0	0	0
SIRONCHA	30.9	+0.6	33.2	13	15.9	+0.4	10.4	31	0.0	0.0	- 1.7	0.0	..	0	- 0.4	5.7	3.5	-0.2	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Cole	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
VIDARBHA (CONTD.)																												
WARDHA	29.7	..	32.2	26	14.8	..	12.8	31	0.0	10.4	..	10.4	16	1	..	6.6	5.5	..	0	1	0	0	1	0	0	0	0	0
BHANDARA	28.8	..	32.5	27	15.3	..	11.8	14	0.0	0.0	..	0.0	..	0	..	9.5	7.7	..	0	0	..	..	..	..	..	.	..	.
COASTAL ANDHRA PRADESH																												
KALINGAPATAM	26.1	-1.3	29.1	29	18.2	+0.5	15.2	01	4.2	18.2	+ 12.9	8.8	09	2	+ 1.4	14.2	10.2	+0.6	0	4	0	0	0	1	0	0	0	0
VISHAKHAPATNAM	28.2	+0.5	29.9	29	19.3	+1.8	14.9	23	0.3	9.5	- 0.9	2.6	07	1	+ 0.4	18.0	11.1	+4.8	0	6	0	0	0	0	0	0	0	0
KAKINADA	27.0	-0.3	28.7	30	19.6	+0.5	16.9	05	17.8	20.2	+ 12.1	7.6	13	1	+ 0.4	16.1	14.1	+3.8	0	5	0	0	0	0	0	0	0	0
NIDADAVOLE	29.4	-0.4	31.7	31	18.5	+0.7	14.5	05	3.6	31.3	+ 28.8	30.9	13	1	+ 0.7	10.0	7.4	+0.7	0	2	0	0	0	0	0	0	0	0
RENTACHINTALA	30.6	-0.6	34.2	28	18.1	+0.8	13.8	05	0.0	0.0	- 0.5	0.0	..	0	- 0.1	3.6	3.7	-1.3	0	0	0	0	0	0	0	0	0	0
GANNAVARAM	30.0	-0.1	32.1	12	19.0	-0.1	15.9	05	0.2	0.2	- 0.6	0.2	09	0	- 0.1	15.1	10.0	+0.2	1	0	0	0	0	2	0	0	0	0
MASULIPATAM	28.1	+0.3	30.0	11	19.4	0.0	17.0	23	0.0	16.2	+ 11.1	16.2	13	1	+ 0.6	6.9	4.9	-3.8	0	1	0	0	0	0	0	0	0	0
ONGOLE	29.8	+1.1	32.6	28	20.2	+0.5	17.6	05	4.4	4.4	+ 0.6	4.4	10	1	+ 0.8	5.0	3.7	-1.3	0	1	0	0	0	0	0	0	0	0
NELLORE	29.8	0.0	32.8	28	21.0	+1.0	18.6	05	0.0	38.2	+ 6.2	35.8	10	1	- 0.4	10.0	7.0	+1.6	0	3	0	0	0	0	0	0	0	0
TELANGANA																												
RAMGUNDAM	30.7	-0.4	34.4	28	16.1	0.0	11.0	31	0.0	2.4	+ 0.4	2.4	09	1	+ 0.7	7.7	4.5	-0.5	0	1	0	0	0	0	0	0	0	0
NIZAMABAD	29.9	-0.1	33.2	27	15.6	+0.3	11.5	31	0.0	0.0	- 6.9	0.0	..	0	- 0.5	12.0	9.0	+4.9	0	0	0	0	0	0	0	0	0	0
HANAMKONDA	29.0	-0.9	32.6	28	17.3	+0.1	13.8	31	0.0	6.6	- 2.0	6.6	09	1	+ 0.4	8.4	6.7	-0.5	0	1	0	0	0	16	0	0	0	0
HAKIMPET AERODROME	28.1	..	31.4	28	16.9	..	13.6	06	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	2	0	0	0	0
BHADRACHALLAM	31.5	+0.6	33.4	30	18.0	+1.3	13.0	05	2.0	2.0	- 0.6	2.0	09	0	- 0.4	7.0	4.2	-0.9	0	1	0	0	0	0	0	0	0	0
HYDERABAD (BEGAMPET)	29.2	+0.6	32.6	28	14.6	0.0	10.3	06	0.0	0.0	- 7.6	0.0	..	0	- 0.5	9.4	5.8	-2.3	0	0	0	0	0	1	0	0	0	0
KHAMMAM	31.1	+0.1	34.3	28	19.0	+1.4	14.6	05	0.0	8.0	+ 6.3	8.0	09	1	+ 0.8	4.1	3.5	-2.1	0	1	0	0	0	2	0	0	0	0
MAHBUBNAGAR	29.4	+0.2	32.4	29	17.1	+0.7	14.0	25	0.0	0.0	0.0	0.0	..	0	0.0	9.7	7.2	-2.1	0	0	0	0	0	0	0	0	0	0
RAYALASEEMA																												
KURNOOL	30.9	-0.4	33.3	28	17.1	+0.1	10.7	06	0.0	6.2	+ 2.1	6.2	09	1	+ 0.7	5.9	3.7	-2.4	0	1	0	0	0	0	0	0	0	0
NANDYAL	30.4	..	33.6	31	17.7	..	14.0	06	0.0	0.0	..	0.0	..	0	..	7.5	5.5	..	0	0	0	0	0	0	0	0	0	0
ANANTAPUR	30.1	-0.3	32.7	28	17.8	+0.5	13.8	05	0.0	1.5	- 3.3	1.5	11	0	- 0.2	9.7	8.5	-1.5	0	1	0	0	0	0	0	0	0	0
CUDDAPAH	30.3	-0.6	33.7	28	19.1	-0.1	15.5	05	0.8	2.8	- 8.6	2.0	10	1	+ 0.2	6.3	4.6	-5.4	0	2	0	0	0	0	0	0	0	0
AROGYAVARAM	26.3	-0.8	29.4	29	13.7	-1.6	10.4	05	7.0	27.5	+ 20.5	25.0	11	2	+ 1.2	8.3	5.9	0.0	0	2	0	0	0	0	0	0	0	0
MADRAS STATE (INCLUDING PONDICHERRY)																												
MADRAS	28.7	+0.4	31.1	29	21.3	+0.5	19.4	27	0.6	4.3	- 27.4	2.0	16	0	- 1.4	12.2	7.4	+1.2	1	4	0	0	0	0	0	0	0	0
MADRAS (MINAMBAKKAM)	28.8	0.0	31.7	29	20.8	+0.5	18.9	23	2.1	2.8	- 42.7	1.3	12	0	- 2.1	12.2	7.7	-1.3	1	3	0	0	0	3	0	0	0	0
VELLORE	28.9	0.0	32.4	28	18.6	+0.4	15.5	24	24.0	55.7	+ 21.2	50.9	11	2	+ 0.1	9.9	6.9	+0.5	0	2	0	0	0	3	0	0	0	0
TAMBARAM AERODROME	29.8	..	33.0	29	20.5	..	18.3	23	4.9	6.2	..	6.2	11	1	..	..	..	..	0	1	0	0	0	2	0	0	0	0
TIRUPPATTUR	29.3	-0.2	31.3	31	17.3	0.0	13.1	26	0.0	0.0	- 2.1	0.0	..	0	- 0.2	5.3	3.9	-0.4	0	0	0	0	0	0	0	0	0	0
METTUR DAM R.S	30.4	..	32.6	30	18.0	..	14.4	24	7.0	60.6	..	52.4	11	2	..	..	..	..	0	2	0	0	0	0	0	0	0	0
CUDDALORE	28.1	+0.2	29.7	09	20.6	-0.2	17.6	05	5.2	262.4	+196.1	197.0	12	5	+ 2.2	11.8	9.3	-1.1	0	6	0	0	0	0	0	0	0	0
KALLAKKURICHCHI	29.1	-0.8	31.3	29	20.2	-0.3	17.4	05	31.2	75.8	+ 60.4	37.2	11	3	+ 1.7	8.9	6.0	..	0	3	0	0	0	0	0	0	0	0
SALEM	30.1	-1.0	32.3	30	19.0	-0.2	15.8	05	15.8	53.0	+ 42.8	34.2	11	2	+ 1.1	6.6	7.4	-2.8	0	2	0	0	0	0	0	0	0	0
COIMBATORE (PILAMEDU)	29.2	-0.8	31.5	28	17.4	-1.2	14.2	07	5.9	22.9	+ 17.4	21.4	12	1	+ 0.5	13.5	9.2	-1.1	0	2	0	0	0	0	0	0	0	0
COIMBATORE	30.0	+0.3	35.6	29	18.4	-0.8	15.2	07	..	19.2	+ 1.4	17.8	12	1	- 0.3	.	5.1	-1.4	0	3	0	0	0	0	0	0	0	0
NAGAPATTINAM	28.1	+0.4	29.5	13	22.5	-0.3	20.2	23	2.8	90.4	+ 7.6	87.6	17	2	- 1.6	16.6	15.6	-3.2	0	2	0	0	0	0	0	0	0	0
TIRUCHCHIRAPPALLI	30.4	+0.3	31.9	30	20.4	-0.2	17.0	05	1.7	11.7	- 19.5	8.0	11	1	- 1.1	8.8	7.0	-3.1	0	3	0	0	0	0	0	0	0	0
VEDARANNIYAM	30.3	..	32.8	14	21.7	..	19.5	05	0.0	16.4	..	12.2	17	2	..	9.2	7.3	..	0	2	0	0	0	0	0	0	0	0
ATIRAMPATTINAM	30.0	..	32.4	15	20.9	..	18.2	05	19.0	25.6	..	20.6	17	2	..	11.8	8.6	..	0	2	0	0	0	0	0	0	0	0
MADURAI	30.9	+0.7	32.2	28	21.3	+0.4	19.6	07	..	1.0	- 30.0	1.0	09	0	- 1.9	.	6.5	-0.8	0	1	0	0	0	0	0	0	0	0
MADURAI AERODROME	30.5	+0.2	32.3	28	19.8	-0.9	17.9	29	0.0	1.5	- 29.9	1.5	09	0	- 2.4	11.3	7.6	-4.7	0	1	0	0	0	0	0	0	0	0
TONDI	29.3	+0.1	31.0	29	21.6	-0.3	19.3	05	0.0	0.0	- 84.1	0.0	..	0	- 4.5	16.9	13.2	-1.8	0	0	0	0	0	0	0	0	0	0
PAMBAN	27.9	-0.1	29.3	16	23.5	-0.5	21.4	17	15.0	47.8	- 24.1	38.3	17	2	- 2.2	20.0	17.0	-1.5	0	2	0	0	0	0	0	0	0	0
TUTICORIN	27.9	+0.3	29.1	28	20.9	-1.4	18.5	21	6.6	8.9	- 7.6	6.6	13	1	- 0.7	21.1	18.9	-3.4	0	2	0	0	0	0	0	0	0	0
PALAYANKOTTAI	31.9	+1.2	34.3	28	21.3	-1.0	19.8	29	0.0	0.0	- 45.0	0.0	..	0	- 2.6	9.5	6.9	-2.3	0	0	0	0	0	0	0	0	0	0
KANNIYAKUMARI	30.7	..	32.4	17	23.4	..	21.7	25	0.0	32.8	..	31.0	17	1	..	19.6	16.2	..	0	3	0	0	0	0	0	0	0	0
COASTAL MYSORE																												
KARWAR	..	..	..	..	18.4	-0.5	15.5	07	0.0	0.0	- 0.9	0.0	..	0	- 0.1	5.3	4.9	..	0	0	0	0	0	0	0	0	0	0
HONAVAR	31.7	-0.2	34.5	14	19.8	-0.2	16.7	07	0.0	0.0	- 3.6	0.0	..	0	- 0.5	..	..	..	0	0	0	0	0	0	0	0	0	0
MANGALORE (BAJPE)	32.2	-0.3	34.4	20	20.1	-0.9	17.5	05	0.0	0.0	- 0.7	0.0	..	0	- 0.1	9.5	6.5	-1.3	0	0	0	0	1	0	0	0	0	0
MANGALORE	32.4	+1.0	34.0	20	21.5	-0.2	18.4	07	0.0	0.0	- 4.8	0.0	..	0	- 0.3	12.0	9.8	+1.3	0	0	0	0	0	0	0	0	0	0
INTERIOR MYSORE NORTH																												
BIDAR	27.9	-0.4	30.8	27	16.9	+0.4	6.2	09	0.0	3.2	- 2.4	3.2	16	1	+ 0.5	5.8	3.3	-7.3	0	1	0	0	0	0	0	0	0	0
GULBARGA	30.6	+0.2	33.2	28	16.3	+0.3	12.4	06	0.0	31.6	+ 25.5	22.0	12	2	+ 1.7	..	..	..	0	2	0	0	0	7	0	0	0	0
BIJAPUR	30.8	+0.6	33.9	27	16.4	+0.2	11.9	07	0.0	0.0	- 5.8	0.0	..	0	- 0.3	6.3	3.9	-1.1	0	0	0	0	0	0	0	0	0	0
RAICHUR	30.0	-0.2	33.6	27	18.7	+0.2	14.6	06	0.0	0.0	- 3.1	0.0	..	0	- 0.2	10.0	9.0	-0.6	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
INTERIOR MYSORE NORTH (CONTD.)																												
BELGAUM	30.3	+0.2	32.9	16	14.1	+0.1	10.0	07	0.0	0.0	- 3.6	0.0	..	0	- 0.3	8.5	4.3	-2.1	0	0	0	0	0	0	0	0	0	0
BELGAUM(SAMRA)	28.3	-0.7	30.6	14	14.7	-0.5	10.6	28	0.0	0.0	- 0.3	0.0	..	0	0.0	9.3	5.2	-6.2	0	0	0	0	0	0	0	0	0	0
GADAG	29.7	-0.6	32.0	27	16.7	0.0	12.9	07	0.4	0.9	- 1.9	0.9	11	0	- 0.5	7.8	5.6	-1.9	0	1	0	0	0	0	0	0	0	0
INTERIOR MYSORE, SOUTH																												
BELLARY	30.8	+0.5	37.2	31	17.1	-0.5	12.0	25	5.0	5.0	+ 2.2	5.0	11	1	+ 0.7	4.6	2.6	-2.3	0	1	0	0	0	0	0	0	0	0
CHITRADURGA	28.1	-0.8	32.0	27	17.1	0.0	12.3	06	2.6	3.8	- 2.3	3.8	11	1	+ 0.7	8.8	6.5	-1.3	0	1	0	0	0	0	0	0	0	0
SHIMOGA	29.8	-0.7	32.6	16	13.3	-1.3	9.2	06	0.0	1.2	+ 1.1	1.2	11	0	0.0	6.2	3.2	-0.9	0	1	0	0	0	2	0	0	0	0
AGUMBE	27.8	..	29.6	30	12.6	..	8.4	06	..	0.0	..	0.0	..	0	..	.	3.7	..	0	0	0	0	0	0	0	0	0	0
BALEHONNUR	28.3	+1.0	30.6	04	14.8	0.0	11.3	25	..	0.0	- 2.0	0.0	..	0	- 0.3	..	..	..	0	0	0	0	0	0	0	0	0	0
HASSAN	27.2	-0.9	30.1	27	14.1	-0.6	10.9	25	0.0	6.6	+ 2.3	6.6	11	1	+ 0.7	6.0	3.6	-2.2	0	1	0	0	0	0	0	0	0	0
BANGALORE	26.4	-0.5	28.5	28	15.1	+0.1	11.4	24	1.3	22.7	+ 15.6	22.7	11	1	+ 0.3	8.5	4.9	-5.5	0	1	0	0	0	0	0	0	0	0
BANGALORE AERODROME	26.0	-2.0	28.3	29	14.4	-0.9	10.9	23	1.0	25.2	+ 21.6	24.2	11	1	+ 0.7	..	..	..	0	2	0	0	0	3	0	0	0	0
MYSORE	26.4	-1.9	28.5	31	16.6	+0.2	13.1	25	0.0	10.6	+ 6.3	10.6	11	1	+ 0.6	13.9	9.9	-1.4	0	1	0	0	0	0	0	0	0	0
KERALA																												
CALICUT	31.7	0.0	32.7	23	21.7	-0.3	17.2	25	0.0	3.6	- 8.1	3.6	12	1	+ 0.3	7.7	6.3	-3.1	0	1	0	0	0	0	0	0	0	0
PALGHAT	32.9	-0.6	35.0	16	20.8	-1.5	17.0	25	0.0	0.0	- 5.7	0.0	..	0	- 0.4	10.1	7.9	-3.4	0	0	0	0	0	0	0	0	0	0
FORT COCHIN	30.4	-0.2	31.4	26	22.1	-1.1	19.8	21	0.0	122.0	+ 98.6	81.3	17	5	+ 3.9	11.7	9.0	+1.0	0	5	0	0	2	0	0	0	0	0
COCHIN(NAVAL AIR STATION)	31.0	..	32.2	07	21.8	..	19.0	07	0.0	151.4	..	71.2	14	5	..	11.2	8.3	..	0	5	0	0	3	0	0	0	0	0
ALLEPPEY	31.7	-0.2	32.4	13	22.8	+0.2	20.9	22	0.0	24.8	+ 9.7	16.8	18	2	+ 0.6	13.9	10.7	+1.4	0	3	0	0	0	0	0	0	0	0
PUNALUR	34.1	+0.7	35.8	29	20.1	-0.5	17.3	08	0.0	25.2	+ 12.2	14.8	11	2	+ 0.9	3.0	2.2	-3.1	0	2	0	0	0	0	0	0	0	0
TRIVANDRUM	31.0	-0.3	33.2	14	22.5	+0.2	21.4	08	8.1	18.2	- 4.7	6.5	15	3	+ 1.0	8.0	5.5	+0.4	0	7	0	0	3	0	0	0	0	0
TRIVANDRUM AERODROME	30.5	-0.2	31.6	21	..	..	..	..	..	27.5	- 1.3	9.2	05	4	+ 2.4	.	6.0	-0.2	0	7	0	0	3	0	0	0	0	0
ARABIAN SEA ISLANDS																												
AMINI	30.4	-1.0	30.9	21	23.3	-0.6	20.6	24	0.0	0.0	- 20.6	..	..	0	- 1.3	10.8	7.9	+2.0	0	0	0	0	0	0	0	0	0	0
AGATTI	30.6	..	31.2	04ds	..	..	..	..	0.0	0.0	..	..	..	0	..	5.8	4.1	..	0	0	0	0	0	0	0	0	0	0
ANDROTH	30.7	..	31.8	04	24.3	..	20.7	23	12.6	15.6	..	10.0	14	3	..	5.1	4.6	..	0	3	0	0	0	0	0	0	0	0
MINICOY	30.2	+0.6	31.3	14	22.9	+0.2	19.1	07	1.0	45.3	+ 2.1	37.0	11	2	- 0.6	7.8	5.1	-1.3	0	4	0	0	0	0	0	0	0	0
HILL STATIONS(EXCLUDING KASHMIR)																												
DALHOUSIE	11.1	+0.2	16.8	31	2.0	-0.1	- 8.6	27	3.0	7.4	-188.2	4.2	09	1	- 6.2	2.6	3.1	-0.5	0	3	3	3	0	9	0	0	0	0
DHARMASALA	15.4	+1.0	19.4	12	5.6	-0.9	2.3	03	0.6	1.9	-141.3	1.3	08	0	- 7.7	5.2	4.0	-0.8	0	3	0	0	2	0	0	0	0	0
BHUNTAR	15.6	..	20.5	25	0.8	..	- 2.0	13	1.7	13.4	..	5.6	06	3	..	4.5	3.8	..	0	5	0	0	1	0	0	0	0	0
SIMLA	9.4	+0.9	15.4	23	2.3	+0.4	- 0.8	04	1.1	2.4	- 62.4	2.4	04	0	- 4.9	1.6	1.3	-2.6	0	1	2	0	0	0	0	0	0	0
DHARMPUR	..	..	..	..	..	..	..	..	..	0.0	- 91.4	0.0	..	0	- 5.0	..	..	..	0	0	..	..	..	..	..	.	..	.
GHANGARIA (KANJALIA TOK)	5.4	..	9.3	24	- 6.2	..	- 8.5	02	..	27.6	..	20.2	06	2	..	..	..	..	0	3	4	0	0	0	0	0	0	0
BADRINATH	Functions during May to October only every year									..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JOSHIMATH	12.5	+0.9	15.4	25	1.8	-0.2	- 0.8	04	0.0	4.0	- 69.1	4.0	06	1	- 3.2	7.5	6.8	+0.5	0	1	0	0	0	0	0	0	0	0
MUSSOORIE	11.0	+0.8	15.1	31	2.7	+0.2	- 0.7	04	0.0	0.0	- 79.6	0.0	..	0	- 4.9	12.7	10.2	+3.5	0	0	1	1	1	0	0	0	0	0
MUKTESWAR(KUMAUN)	12.0	+2.3	15.5	23	2.2	+0.3	- 2.4	04	2.0	2.5	- 54.4	2.5	04	1	- 2.7	10.4	10.8	-0.2	0	2	1	0	0	0	0	0	0	0
NAINITAL	10.9	+0.6	14.8	24	1.3	-0.3	- 1.9	04	0.0	1.0	-116.5	1.0	04	0	- 6.5	8.6	7.4	+0.3	0	1	0	0	0	0	0	0	0	0
KALIMPUNG	16.0	+0.5	17.6	28	7.7	-0.1	4.6	14	0.0	0.0	- 9.9	0.0	..	0	- 0.9	11.6	9.1	+0.5	0	0	0	0	0	0	0	0	0	0
DARJEELING	9.0	-0.3	14.7	11	1.8	-1.2	0.8	05	0.0	0.0	- 10.9	0.0	..	0	- 1.0	3.1	2.2	+0.3	0	0	0	0	0	0	0	0	0	0
KOHIMA	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SHILLONG(C.S.O.)	16.2	-0.4	20.4	10	6.7	+4.2	3.8	30	2.8	17.8	+ 3.8	14.4	08	2	+ 0.7	..	..	..	0	2	0	0	0	8	0	0	0	0
CHERRAPUNJI	16.9	+1.1	17.3	13	7.6	0.0	5.1	31	2.2	15.8	- 3.5	13.4	08	1	- 0.4	4.6	5.2	-1.5	0	2	0	0	0	3	0	0	0	0
ABU	20.4	+1.1	24.6	23	6.2	-3.1	3.3	04	0.0	0.0	- 5.3	0.0	..	0	- 0.6	6.8	5.2	+0.2	0	0	0	0	0	0	0	0	0	0
AIJAL	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
PACHMARHI	21.9	-0.5	24.8	25	6.8	-1.9	2.0	30	0.0	0.0	- 22.1	0.0	..	0	- 1.7	4.8	3.2	-0.1	0	0	0	0	0	0	0	0	0	0
MAHABALESHWAR	25.0	+1.0	27.8	18	13.1	-0.7	10.8	06	0.0	0.0	- 4.6	0.0	..	0	- 0.3	8.9	9.1	+1.4	0	0	0	0	0	0	0	0	0	0
MERCARA	24.4	-0.2	27.4	29	13.4	-0.8	11.4	25	3.0	7.8	+ 1.7	4.8	11	2	+ 1.4	11.5	9.5	-0.1	0	2	0	0	2	0	0	0	0	0
OOTACAMUND	20.6	+0.7	24.1	25	4.4	-0.7	- 1.8	22	9.0	30.6	- 4.5	30.6	12	2	0.0	3.3	1.7	-1.5	0	2	0	0	0	0	0	0	0	0
COONOOR	19.5	+0.7	21.6	30	6.8	-1.7	2.2	24	..	123.4	+ 32.5	50.8	16	4	+ 0.7	..	..	..	0	8	0	0	0	0	0	0	0	0
KODAIKANAL	17.6	+0.6	19.7	31	7.5	-0.5	4.1	21	2.0	7.3	- 74.7	4.7	13	1	- 2.9	10.0	11.8	-1.3	1	3	0	0	0	2	0	0	0	0
NEPAL																												
KATMANDU	19.2	+1.4	21.6	12	- 0.8	-2.7	- 3.0	12	0.0	0.0	- 14.5	0.0	..	0	- 1.7	1.1	0.6	-0.7	0	0	0	0	0	1	0	0	0	0
SIKKIM																												
LACHEN	7.1	+0.2	10.8	10	0.0	-3.9	- 0.7	31	..	26.1	- 64.5	10.6	26	4	- 2.0	..	..	..	0	5	0	0	0	0	0	0	0	0
HYDROMETEOROLOGICAL OBSERVATORIES																												
DAMODAR CATCHMENT																												
TILAIYA	24.2	..	28.2	27	8.8	..	3.7	14	0.0	0.8	..	0.8	04	0	..	4.1	1.9	..	0	1	0	0	0	0	0	0	0	0
HAZARIBAGH	23.5	..	27.2	27	8.2	..	2.9	14	0.0	1.8	..	1.8	08	0	..	4.9	3.3	..	0	1	0	0	0	0	0	0	0	0
KONAR	24.4	..	25.6	31	10.8	..	8.3	11	0.0	1.0	..	1.0	08	0	..	9.7	7.5	..	0	1	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with									
	Mean minimum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
DAMODAR CATCHMENT.(CONTD.)																												
BOKARO	26.9	..	31.4	27	6.2	..	2.4	31	1.0	6.2	..	6.2	08	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0
HAITHON	26.9	..	32.4	27	9.5[a]	..	4.5	31	1.2	6.5	..	6.5	08	1	..	1.1	1.3	..	0	1	0	0	1	0	0	0	0	0
RAMGARH	27.7	..	33.4	31	7.3	..	1.5	14	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
PANCHET HILLS	26.4	..	31.0	27	11.9	..	8.1	15	0.7	6.5	..	6.5	08	1	..	4.1	2.2	..	0	1	0	0	0	12	0	0	0	0
DURGAPUR	25.7	..	29.6	27	11.5	..	7.2	31	7.8	16.9	..	16.0	08	1	..	7.6	5.8	..	0	3	0	0	0	0	0	0	0	0
MAHANADI CATCHMENT																												
GINABAHAR	26.7	..	29.3	28	8.9	..	5.3	27	..	8.0	..	5.0	18	2	..	..	..	..	0	2	0	0	1	0	0	0	0	0
HIRAKUD	28.0	..	31.7	28	15.0	..	10.9	31	7.0	9.4	..	7.8	08	1	..	5.2	3.6	..	0	2	0	0	0	0	0	0	0	0
BHIMKUND	25.6	..	29.7	28	12.6	..	8.8	31	33.0	49.5	..	21.0	08	3	..	..	..	..	0	3	0	0	0	3	0	0	0	0
SONEPUR	28.2	..	31.5	28	15.5	..	10.3	31	..	7.9	..	4.4	07	2	..	..	..	..	0	3	0	0	0	0	0	0	0	0
KHIJRAWAN	28.4	..	31.6	26	14.4	..	11.6	24	0.0	0.0	..	0.0	..	0	..	7.6	5.2	..	0	0	..	..	..	..	..	.	..	.
NARMADA CATCHMENT																												
BAGRA TAWA	26.4	..	30.6	25	8.5	..	3.6	30	0.0	0.0	..	0.0	..	0	..	9.5	6.8	..	0	0	0	0	0	0	0	0	0	0
PUNASA	28.7	..	31.8	23	10.5	..	6.6	30	0.0	0.0	..	0.0	..	0	..	5.9	6.8	..	0	0	0	0	0	0	0	0	0	0
THIKRI	29.3	..	31.3	13	10.0	..	8.2	24	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
SABARMATI CATCHMENT																												
DAROI	28.4	..	31.8	23	6.8	..	3.2	25	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
GANDAK CATCHMENT																												
JAMOSOM	11.9	..	15.9	24	- 3.2	..	- 7.1	15	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
KHUDI BAZAR	20.0	..	22.2	24	6.7	..	3.5	05	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
TIMURE	16.9	..	20.6	12	2.7	..	1.0	21	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
POKHARA	19.6	..	21.8	24	6.2	..	2.7	05	0.0	0.6	..	0.6	26	0	..	2.8	3.6	..	0	1	0	0	1	1	0	0	0	0
GORKHA	18.4	..	20.7	25	7.9	..	5.4	04	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
NUWAKOT	..	..	..	..	..	..	..	..	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																												
DAILEKH	16.4	..	18.6	16	5.8	..	4.2	18	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
GHAGHARA CATCHMENT																												
DADELDHURA	Temporarily closed from 28.5.1966																											
SALLYANA	17.3	..	19.8	12	6.4	..	4.3	03	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
BUTWAL	24.1	..	26.4	09	12.0	..	7.4	13	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
BAGHMATI CATCHMENT																												
KATMANDU	Data included under Nepal.																											
KOSI CATCHMENT																												
CHAUTARA	Temporarily closed from August 1966																											
WALUNGCHUNG GOLA	6.6	..	11.5	10	-10.5	..	-13.5	28	0.0	15.2	..	15.2	26	1	..	..	..	..	0	1	..	..	..	..	..	.	..	.
TAPLETHOK	20.1	..	22.9	24	6.0[a]	..	4.1	05	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
BHOJPUR	14.5	..	16.9	24	6.8	..	5.1	30	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
TAPLEJUNG	14.5	..	17.9	12	3.6	..	1.7	29	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
OKHALDHUNGA	..	..	..	..	4.5	..	1.9	29	0.0	0.0	..	0.0	..	0	..	3.6	2.6	..	0	0	0	0	0	0	0	0	0	0
CHAINPUR	17.7	..	19.5	10	8.5	..	6.6	01	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
ANGBUNG		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BARAHAKSHETRA	24.4	..	26.6	20	10.8	..	8.4	30	0.0	0.0	..	0.0	..	0	..	6.5	4.8	..	0	0	0	0	0	0	0	0	0	0
TISTA CATCHMENT																												
GANGTOK	16.0	..	19.9	24	4.3	..	2.7	27	0.0	0.2	..	0.2	14	0	..	5.5	4.3	..	1	0	0	0	0	1	0	0	0	0
GEZING	18.6	..	22.1	24	5.4	..	3.8	27	0.0	0.0	..	..	..	..	..	..	..	..	0	0	..	..	..	..	..	.	..	.

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Kms. per hour	No. of observations												
			At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Kms. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
MAYA BANDAR	0830	28	1013.1	1010.0	-1.5	26.4	23.5	22.1	26.6	78	+ 2	3.4	+0.2	9.6	0	6	19	01	7	10	2	1	0	0	3	6	1
	1730	28	1010.4	1007.3	-1.6	26.5	23.5	22.0	26.4	76	+ 1	4.0	+0.1	13.5	0	5	26	01	16	13	1	0	0	0	0	0	0
LONG ISLAND	0830	25	1013.1	1010.3	-1.0	27.4	23.9	22.3	26.9	74	- 3	4.3	+0.8	2.5	0	0	13	00	0	7	4	0	0	0	0	18	2
	1730	25	1010.7	1007.9	-0.8	26.3	23.3	21.8	26.1	76	- 1	4.3	+0.4	2.1	0	0	10	00	0	5	2	0	0	0	0	21	3
PORT BLAIR	0530	79	1011.1	1002.1	..	24.3	22.7	21.9	26.3	86	..	4.8	..	11.3	0	6	18	02	10	10	1	0	1	0	0	7	0
	0830	79	1013.1	1004.2	-0.6	27.5	24.1	22.5	27.3	75	+ 5	4.6	+0.3	12.8	0	7	21	06	12	8	2	0	0	0	0	3	0
	1130	79	1011.6	1002.8	..	28.7	24.7	22.9	27.9	71	..	4.8	..	15.5	0	9	22	05	17	8	0	1	0	0	0	0	0
	1430	79	1009.5	1000.6	..	28.3	24.5	22.7	27.6	72	..	5.0	..	14.8	0	10	21	05	19	7	0	0	0	0	0	0	0
	1730	79	1010.6	1001.7	-0.4	25.9	23.4	22.1	26.6	79	+ 2	5.4	0.0	11.9	0	0	31	03	18	10	0	0	0	0	0	0	0
	2030	79	1012.5	1003.6	..	25.4	23.1	21.9	26.3	81	..	3.8	..	12.1	0	5	24	03	15	11	0	0	0	0	0	2	0
	2330	79	1012.2	1003.2	..	25.1	22.9	21.8	26.1	83	..	4.5	..	11.2	0	5	20	04	13	7	0	1	0	0	0	6	0
CAR NICOBAR	0830	10	1012.2	1011.0	-0.6	27.9	24.3	22.6	27.4	73	- 1	4.7	+0.2	2.3	0	0	25	00	9	12	2	0	0	0	0	6	2
	1730	10	1009.8	1008.6	-0.5	26.7	23.8	22.5	27.3	77	- 2	5.1	+0.7	1.7	0	0	21	00	7	9	4	0	0	0	0	10	1
NAN COWRY	0830	26	1012.2	1009.3	-0.4	27.3	24.9	23.8	29.5	81	+ 1	4.6	-0.6	2.4	0	0	16	01	0	9	4	2	0	0	0	15	0
	1730	26	1009.6	1006.6	-0.6	26.9	24.4	23.3	28.6	81	- 1	5.0	0.0	1.5	0	0	10	00	0	4	6	0	0	0	0	21	0
KONDUL	0830	8	..	1011.6	+0.1	27.2	24.7	23.5	28.9	81	- 2	4.3	-1.0	8.1	0	1	22	00	10	13	0	0	0	0	0	8	0
	1730	8	..	1009.1	+0.1	26.8	24.4	23.3	28.6	82	- 2	4.6	-0.7	6.8	0	0	20	00	12	8	0	0	0	0	0	11	0
NORTH ASSAM (INCLUDING NEFA)																											
PASIGHAT	0830	157	1018.4	1000.0	-0.6	16.1	12.6	9.3	11.7	64	- 5	3.3	-0.5	23.7	0	24	7	00	1	0	0	0	0	0	30	0	0
DIBRUGARH (MOHANBARI)	1730	157	1014.2	995.9	-1.1	17.5	14.2	11.5	13.6	68	- 8	3.1	-0.7	4.8	0	1	16	01	0	0	0	0	0	2	14	14	0
	0230	111	1016.0	1002.7	..	10.8	10.3	9.8	12.1	93	..	2.7	..	1.3	0	0	7	01	4	1	1	0	0	0	0	24	0
	0530	111	1016.5	1003.1	..	9.8	9.4	9.0	11.5	95	..	3.3	..	1.7	0	0	9	01	3	1	0	3	0	1	0	22	0
	0830	111	1018.6	1005.4	-0.1	15.1	13.3	11.8	13.8	81	- 2	2.9	-0.6	5.3	0	0	29	03	17	5	2	0	0	1	1	2	0
	1130	111	1016.2	1003.4	..	21.3	15.4	10.5	12.7	51	..	2.8	..	7.9	0	0	30	03	19	3	2	0	2	0	1	1	0
	1430	111	1013.4	1000.7	..	23.1	15.8	9.7	12.0	45	..	2.9	..	6.5	0	0	30	09	13	4	1	1	0	1	1	1	0
	1730	111	1014.1	1001.1	-0.6	17.8	14.7	12.2	14.2	69	- 9	3.2	0.0	1.2	0	0	6	01	5	0	0	0	0	0	0	25	0
	2030	111	1015.9	1002.7	..	13.5	12.2	11.0	13.1	85	..	2.7	..	1.0	0	0	5	00	3	1	0	0	0	1	0	26	0
	2330	111	1016.3	1003.0	..	12.0	11.2	10.5	12.7	91	..	2.9	..	1.5	0	0	6	02	3	0	1	0	0	0	0	25	0
DIGBOI	0830	152	1018.8	1000.7	-0.3	15.0	13.6	12.5	14.5	85	- 3	2.5	-1.9	1.9	0	0	26	01	2	5	0	1	14	3	0	5	0
	1730	152	1014.0	996.1	-1.6	17.2	15.2	13.7	15.7	80	+ 6	0.0	-5.1	0.4	0	0	6	01	1	3	0	0	0	1	0	25	0
NORTH LAKHIMPUR	0830	102	1018.4	1006.3	-0.2	16.4	13.7	11.4	13.5	73	-11	1.7	-1.9	2.8	0	0	27	05	10	3	4	1	0	1	3	4	0
	1130	102	1016.2	1004.4	..	22.0	15.9	11.0	13.1	50	..	2.1	..	6.5	0	0	31	01	8	15	6	0	1	0	0	0	0
	1430	102	1013.6	1001.8	..	23.2	16.1	10.3	12.5	45	..	2.6	..	3.2	0	0	30	01	12	9	5	2	0	0	1	1	0
	1730	102	1014.3	1002.3	-0.4	17.7	14.8	12.5	14.9	72	-10	2.2	-1.6	2.6	0	0	23	01	6	0	3	1	0	4	8	8	0
	2030	102	1015.9	1003.7	..	13.6	12.5	11.6	13.7	87	..	1.9	..	1.2	0	0	10	03	2	0	0	0	0	2	3	21	0
SIBSAGAR	0830	97	1018.7	1007.3	+0.4	16.6	14.4	12.6	14.6	79	-12	2.7	-3.4	1.6	0	0	17	09	5	0	0	1	2	0	0	14	0
	1730	97	1013.4	1002.3	-0.6	22.1	17.2	13.7	15.7	59	-19	2.3	-1.0	1.3	0	0	17	12	4	0	0	1	0	0	0	14	0
GOHPUR	0830	83	1018.5	1008.7	..	15.6	13.9	12.5	14.5	83	- 4	1.8	..	1.8	0	0	21	00	9	0	9	1	1	0	1	10	0
	1730	83	1013.8	1004.1	..	17.5	14.8	12.7	14.7	74	0	1.8	..	1.4	0	0	18	00	11	1	3	1	1	0	1	13	0
MAJBAT	0830		..	..	..	15.9	13.3	11.1	13.2	73	..	2.3	-0.9	3.3	0	0	23	00	19	0	4	0	0	0	0	8	0
	1730		..	..	..	19.7	15.6	12.4	14.4	64	..	2.5	0.0	1.2	0	0	15	00	10	0	0	1	2	0	2	16	0
JORHAT AERODROME	0530	90	1015.9	1005.1	..	10.5	10.3	10.1	12.3	99	..	2.4	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	0830	90	1017.9	1007.3	..	15.8	14.1	12.7	14.7	84	..	2.7	..	1.8	0	0	6	00	3	0	1	0	1	0	1	25	0
	1130	90	1015.8	1005.4	..	22.2	16.7	12.6	14.6	55	..	2.3	..	8.3	0	2	24	02	19	3	1	0	0	0	0	5	1
	1730	90	1013.4	1003.0	..	18.0	15.3	13.2	15.2	73	..	2.0	..	1.0	0	0	3	00	3	0	0	0	0	0	0	28	0
	2330	90	1015.5	1004.9	..	12.5	12.0	11.6	13.7	94	..	1.4	..	0.6	0	0	2	00	1	0	0	0	1	0	0	29	0
TANGLA	0830	78	1017.5	1008.2	-0.5	16.0	14.2	12.8	14.8	81	+ 3	.	..	1.7[b]	0	0	20	00	0	0	13	0	7	0	0	9	0
	1730	78	1012.9	1003.9	-1.4	21.2	18.1	16.1	18.3	73	- 3	.	..	0.0[b]	0	0	0	00	0	0	0	0	0	0	0	29	0
TEZPUR	0830	79	1018.3	1009.0	-0.3	15.3	13.3	11.6	13.7	79	- 5	1.6	-0.9	3.1	0	0	26	02	17	2	3	0	1	0	1	5	0
	1730	79	1013.5	1004.4	-0.6	20.5	15.8	12.1	14.1	59	-13	0.9	-0.9	1.3	0	0	13	03	8	0	1	0	0	1	0	18	0
GOLAGHAT	0830	95	1017.7	1006.4	-0.7	15.7	13.8	12.3	14.3	81	- 2	2.2[h]	-1.5	0.0[h]	0	0	0	00	0	0	0	0	0	0	0	29	0
	1730	95	1012.2	1001.3	-1.5	23.8	16.9	11.6	13.7	47	-20	2.1[i]	-1.3	0.0[h]	0	0	0	00	0	0	0	0	0	0	0	23	0
RANGIA	0830	60	1020.0	1012.9	..	18.2	15.9	14.2	16.2	79	- 2	0.8	..	4.6	0	0	28	00	1	22	2	0	0	1	2	3	0
	1730	60	1015.4	1008.4	..	20.8	17.2	14.7	16.7	69	- 3	0.7[c]	..	0.5[c]	0	0	3	00	1	1	1	0	0	0	0	25	0
CHAPARMUKH	0830	66	1018.6	1010.9	-0.6	16.8	14.7	13.1	15.1	79	0	1.4[a]	-1.1	5.0[a]	0	0	30	01	2	8	16	3	0	0	0	0	0
	1730	66	1013.7	1006.1	-0.7	21.3	17.3	14.5	16.5	66	- 6	1.9[f]	-0.5	1.0[f]	0	0	6	00	1	1	4	0	0	0	0	19	0
GOALPARA	0830	38	1017.9	1013.3	+0.2	13.3	12.5	11.8	13.8	87	+ 2	1.4	-1.6	0.8	0	0	13	00	9	1	2	1	0	0	0	18	0
	1730	38	1013.7	1009.3	+0.5	24.0	17.1	11.9	13.9	48	-15	0.5	-0.8	1.0	0	0	15	00	9	0	1	0	2	0	3	16	0
GAUHATI (BHORJOR)	0230	54	1015.3	1008.7	..	11.9	11.4	11.0	13.1	94	..	0.7	..	1.5	0	0	7	00	2	2	1	2	0	0	0	24	0
	0530	54	1015.4	1008.9	..	10.9	10.6	10.3	12.5	95	..	1.1	..	0.9	0	0	4	01	1	0	0	2	0	0	0	27	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NORTH ASSAM (INCLUDING NEFA) (CONTD.)																											
GAUHATI (BHORJOR) (CONTD.)	0830	54	1017.7	1011.3	-0.6	15.6	14.0	12.7	14.7	83	- 3	2.0	-0.5	2.0	0	0	9	00	4	2	1	2	0	0	0	22	0
	1130	54	1015.8	1009.5	..	21.8	16.6	12.7	14.7	56	..	1.7	..	5.5	0	0	24	09	11	1	0	0	0	1	1	7	1
	1430	54	1012.8	1006.6	..	24.1	16.8	11.1	13.2	45	..	1.8	..	7.7	0	0	28	11	9	2	0	0	0	3	2	3	1
	1730	54	1013.4	1007.1	-0.9	19.3	15.9	13.5	15.5	68	- 6	2.3	-0.4	1.3	0	0	6	00	2	1	1	1	0	1	0	25	0
	2030	54	1015.4	1009.0	..	14.9	13.8	12.9	14.9	88	..	1.4	..	2.3	0	0	8	00	1	1	0	4	2	0	0	23	0
	2330	54	1015.7	1009.3	..	13.3	12.3	11.8	13.8	91	..	1.1	..	2.2	0	0	9	01	1	0	0	3	3	0	1	22	0
DHUBRI (RUPSI)	0530	45	1015.5	1010.0	..	9.9	9.5	9.1	11.5	94	..	1.0	..	2.7	0	0	18	02	14	1	1	0	0	0	0	13	0
	0830	45	1017.1	1011.8	+0.1	16.4	13.9	11.8	13.8	74	- 6	1.0	-0.9	6.4	0	0	30	02	12	12	1	1	1	1	0	1	0
	1130	45	1015.9	1010.6	..	22.7	16.3	11.3	13.4	49	..	0.9	..	8.3	0	0	29	00	8	9	6	1	2	3	0	2	0
	1730	45	1013.3	1008.0	+0.0	19.4	16.3	14.0	16.0	71	- 8	0.6	-0.8	1.2	0	0	8	00	3	0	0	0	0	4	1	23	0
DHUBRI	0830	35	1017.9	1013.7	+0.0	15.5	14.1	13.1	15.1	85	+ 1	0.8	-1.0	6.8	0	0	29	00	20	5	1	1	1	0	1	2	0
	1730	35	1014.0	1009.9	+0.0	20.1	16.0	12.9	14.9	63	- 2	0.7	-0.9	5.7	0	1	24	03	4	5	1	1	4	3	4	6	0
LUMDING	0830	149	1018.3	1000.5	..	11.8	11.2	10.6	12.8	93	+11	1.6	..	0.5	0	0	6	00	1	4	1	0	0	0	0	25	0
	1730	149	1013.4	996.3	..	21.6	18.2	16.0	18.2	71	..	2.3	..	0.7	0	0	8	01	0	4	0	0	0	0	3	23	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
TURA	0830	370	1017.6	974.5	-0.9	15.1	12.2	9.5	11.9	69	- 7	3.6	+1.5	4.1	0	0	30	00	3	17	9	1	0	0	0	1	0
	1730	370	1013.2	971.1	-1.2	21.0	15.6	11.3	13.4	54	-13	4.7	+1.8	2.8	0	0	28	02	1	5	2	3	2	10	3	3	0
HAFLONG	0830	682	1017.7	940.1	+0.8	15.6	12.9	10.8	12.9	73	+ 1	2.2	+0.0	0.6	0	0	9	00	0	0	0	0	9	0	0	22	0
	1730	682	1013.1	935.9	+0.0	17.1	14.3	12.3	14.3	71	+ 5	2.4	-0.2	1.3	0	0	16	00	0	0	0	0	16	0	0	15	0
SILCHAR (KUMBHIRGRAM)	0530	97	1014.0	1002.5	..	13.7	12.6	11.7	13.7	87	..	2.0	..	9.3	0	0	31	00	0	29	1	0	0	1	0	0	0
	0830	97	1016.1	1004.7	-0.5	17.1	14.6	12.6	14.6	75	+ 0	2.1	+0.3	9.7	0	0	30	00	0	28	1	0	0	1	0	1	0
	1130	97	1013.8	1002.7	..	22.3	16.7	12.5	14.5	54	..	2.3	..	9.3	0	0	31	00	3	14	9	2	1	1	0	0	1
	1730	97	1012.0	1000.9	-0.4	21.0	16.8	13.7	15.7	63	+ 2	2.1	+0.6	5.0	0	0	27	04	5	6	0	0	2	6	4	4	0
SILCHAR	0830	29	1018.1	1014.6	+0.2	16.9	15.5	14.5	16.5	84	+ 0	1.6	-0.1	0.3	0	0	5	00	3	1	1	0	0	0	0	26	0
	1730	29	1014.2	1010.8	+0.8	22.1	18.0	15.2	17.3	65	+ 1	2.1	+0.8	0.1	0	0	1	00	0	0	0	0	0	1	0	30	0
IMPHAL (TULIHAL)	0530	781	1018.7	928.1	..	8.4	8.0	7.6	10.4	94	..	3.6	..	1.8	0	0	7	02	2	0	0	1	0	2	0	24	0
	0830	781	1019.5	930.1	-0.2	12.9	11.1	9.5	11.9	80	+ 4	3.7	+1.5	2.4	0	1	6	00	0	2	1	2	0	1	1	24	0
	1130	781	1015.7	928.2	..	18.1	13.7	10.3	12.5	60	..	2.7	..	6.1	0	1	19	00	1	2	2	10	1	2	2	11	0
	1430	781	1012.2	925.6	..	20.3	14.2	9.4	11.8	50	..	2.8	..	7.2	0	2	23	00	1	2	6	3	6	4	3	6	0
	1730	781	1014.1	926.2	+1.6	16.1	12.7	9.9	12.2	67	+ 6	3.0	+1.2	8.1	0	1	24	00	0	1	4	3	4	3	10	6	0
	2030	781	1017.0	927.8	..	12.7	11.2	9.9	12.2	84	..	2.8	..	3.4	0	0	13	01	1	3	0	2	1	0	5	18	0
	2330	781	1017.9	928.0	..	10.7	9.9	9.2	11.6	91	..	2.8	..	3.0	0	0	14	08	1	4	0	0	0	1	0	17	0
KAILASHAHAR	0530	29	1015.5	1012.1	..	12.8	12.6	12.4	14.4	98	..	2.3	..	0.9	0	0	9	01	0	1	0	4	3	0	0	22	0
	0830	29	1017.5	1014.1	-0.2	16.6	15.4	14.5	16.5	87	+ 6	2.2	+0.7	1.8	0	0	22	04	2	0	1	3	10	1	1	9	0
	1130	29	1015.9	1012.5	..	23.2	18.7	15.8	17.9	64	..	2.2	..	3.7	0	0	31	11	5	4	0	4	2	2	3	0	0
	1730	29	1013.9	1010.3	-0.2	21.2	18.4	16.6	18.9	75	+10	2.0	+0.4	0.5	0	0	7	00	0	1	0	0	2	3	1	24	0
AGARTALA	0230	16	1013.7	1011.8	..	13.2	12.5	11.9	13.9	92	..	1.4	..	1.7	0	1	5	01	1	1	2	1	0	0	0	25	0
	0530	16	1014.0	1012.1	..	12.2	11.7	11.2	13.3	93	..	1.8	..	2.1	0	0	9	02	1	2	0	3	1	0	0	22	0
	0830	16	1016.2	1014.3	-0.3	18.1	16.0	14.5	16.3	79	+ 0	2.0	+0.3	4.0	0	0	21	08	3	0	0	5	1	1	3	10	0
	1130	16	1014.7	1012.9	..	23.7	17.8	13.6	15.6	54	..	2.3	..	8.5	0	0	29	12	1	0	0	1	2	4	9	2	0
	1430	16	1012.4	1010.3	..	24.9	18.0	13.1	15.1	50	..	2.2	..	8.1	0	0	30	07	1	1	0	0	4	2	15	1	0
	1730	16	1012.8	1010.9	-0.3	20.7	16.9	14.2	16.2	67	+ 6	2.2	+0.5	4.4	0	0	21	05	0	0	0	2	1	3	10	10	0
	2030	16	1014.5	1012.6	..	16.4	14.9	13.8	15.8	85	..	1.7	..	1.2	0	0	6	00	1	1	1	1	1	0	1	25	0
	2330	16	1014.5	1012.6	..	14.4	13.4	12.6	14.6	89	..	1.6	..	0.6	0	0	4	01	0	0	0	1	0	1	1	27	0
SUB-HIMALAYAN WEST BENGAL																											
BAGHDOGRA	0230	131	1015.1	999.3	..	10.1	9.4	8.7	11.2	91	..	0.3	..	0.8	0	0	4	03	1	0	0	0	0	0	0	27	0
	0530	131	1015.7	999.8	..	8.1	7.6	7.0	10.0	93	..	0.5	..	2.1	0	0	9	05	1	0	0	0	1	0	0	22	0
	0830	131	1017.7	1002.2	+0.1	15.7	12.9	10.4	12.6	72	- 9	0.9	-1.4	2.6	0	0	11	03	5	3	0	0	0	0	0	20	0
	1130	131	1015.9	1000.9	..	23.9	16.4	10.4	12.6	43	..	1.3	..	11.0	0	0	30	00	2	14	7	4	2	1	0	1	0
	1430	131	1013.3	998.4	..	25.5	16.7	9.5	11.9	37	..	1.3	..	9.3	0	0	28	00	1	2	6	7	7	5	0	3	0
	1730	131	1013.8	998.5	-0.2	19.5	15.4	12.2	14.2	63	-10	1.4	-1.8	3.6	0	0	15	00	1	0	2	2	8	2	0	16	0
	2030	131	1015.9	1000.3	..	13.2	11.7	10.3	12.5	83	..	0.5	..	2.8	0	0	11	06	1	0	0	0	1	0	3	20	0
	2330	131	1015.8	1000.0	..	11.2	10.4	9.6	11.9	90	..	0.5	..	1.7	0	0	6	03	2	0	0	0	0	0	1	25	0
JALPAIGURI	0830	83	1017.3	1007.4	-0.3	12.8	11.4	10.1	12.3	84	- 3	0.3	-1.6	3.5	0	0	29	12	4	1	0	1	2	2	7	2	0
	1730	83	1013.1	1003.6	-0.4	22.1	15.8	10.7	12.9	49	-10	0.3	-1.4	1.6	0	0	14	01	1	2	2	1	6	1	0	17	0
COOCH BEHAR AERODROME	0830	43	1017.8	1012.7	-0.2	15.7	13.1	10.8	12.9	73	- 3	0.7	-1.2	6.0	0	0	24	03	5	16	0	0	0	0	0	7	0
	1130	43	1016.3	1011.3	..	22.7	15.9	10.3	12.5	46	..	0.7	..	12.5	0	4	26	01	7	13	6	1	0	0	0	1	2
	1730	43	1013.8	1008.9	+0.0	20.0	15.6	12.2	14.2	61	- 8	0.9	-0.7	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
BALURGHAT	0830	26	1017.6	1014.3	..	17.8	14.1	11.0	13.1	65	..	0.5	..	2.8	0	0	23	07	6	1	0	0	1	6	2	8	0
	1730	26	1012.8	1009.9	..	20.3	16.2	13.1	15.1	64	..	0.6	..	0.1	0	0	2	00	0	0	0	1	0	1	0	29	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SUB-HIMALAYAN WEST BENGAL (CONTD.)																											
MALDA	0830	51	1017.7	1014.0	+0.0	16.9	12.8	9.0	11.3	60	-12	0.6	-0.9	1.5	0	0	19	08	1	0	0	1	0	3	6	12	0
	1730	51	1013.8	1010.2	-0.2	21.7	15.4	10.2	12.4	49	- 9	0.8	-0.6	1.0	0	0	15	02	0	0	0	0	0	1	12	16	0
GANGETIC WEST BENGAL																											
BERHAMPORE	0830	19	1017.0	1014.8	-0.5	16.6	13.2	10.2	12.4	68	- 6	1.4	-0.3	0.4	0	0	5	03	0	0	0	1	1	0	0	26	0
	1730	19	1013.3	1011.1	-0.4	21.1	16.2	12.5	14.5	57	+ 2	0.9	-0.7	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
SURI	0830	19	..	..	..	18.5	13.3	8.5	11.1	52	-12	1.1	-0.7	2.8	0	0	31	17	1	4	0	1	0	6	2	0	0
ASANSOL	0230	126	1015.5	1000.4	..	12.4	10.5	8.6	11.2	77	..	0.9	..	0.6	0	0	4	00	0	0	2	0	0	1	1	27	0
	0530	126	1015.8	1000.7	..	11.7	9.6	7.4	10.3	76	..	1.5	..	1.6	0	0	13	01	0	0	0	0	1	5	6	18	0
	0830	126	1017.9	1003.0	+0.2	16.5	12.4	8.5	11.1	58	- 9	1.7	-0.1	3.7	0	0	22	04	0	0	0	0	1	8	9	9	0
	1130	126	1016.4	1001.9	..	24.5	15.3	6.9	9.9	33	..	1.4	..	6.1	0	0	28	06	5	1	1	1	2	3	9	3	0
	1430	126	1013.3	999.0	..	26.3	16.2	7.3	10.2	31	..	1.2	..	6.5	0	0	30	06	7	4	1	1	1	2	8	1	0
	1730	126	1013.6	999.1	+0.1	21.9	15.4	10.0	12.3	47	+ 2	1.4	-0.4	2.1	0	0	13	02	2	3	0	1	0	0	5	18	0
	2030	126	1015.7	1000.9	..	15.3	12.3	9.5	11.9	69	..	0.6	..	1.2	0	0	8	03	0	0	0	1	1	1	2	23	0
	2330	126	1016.1	1001.2	..	13.6	11.3	9.1	11.5	74	..	0.9	..	1.3	0	0	7	01	0	0	1	1	0	0	4	24	0
SHANTI NIKETAN	0830	59	1017.5	1010.7	..	16.3	12.9	9.9	12.2	65	..	1.9	..	2.9	0	0	24	08	4	0	0	1	0	1	10	7	0
	1130	59	1016.9	1010.1	..	22.8	15.7	9.7	11.9	45	..	2.1	..	1.5	0	0	17	11	2	0	0	2	0	0	2	14	0
	1730	59	1013.9	1007.1	..	21.1	15.1	10.3	12.5	50	..	1.7	..	1.5	0	0	14	06	4	1	2	0	0	1	0	17	0
KRISHNANAGAR	0830	15	1017.4	1015.7	-0.2	17.4	14.1	11.3	13.4	68	- 7	1.2	-0.4	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	15	1015.0	1013.3	+0.9	21.8	16.9	13.3	15.3	59	+ 1	1.7	+0.1	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
PURULIA	0830	255	1018.3	988.6	+0.0	16.4	12.2	8.1	10.8	57	- 3	2.3	+0.6	3.4	0	0	29	05	4	1	0	0	4	2	13	2	0
	1730	255	1013.8	984.8	-0.2	23.0	16.3	11.0	13.1	47	+ 0	2.2	+0.0	1.2	0	0	13	02	5	0	1	2	0	1	2	18	0
BANKURA	0830	100	1017.2	1005.5	..	16.5	15.4	14.6	16.6	89	..	1.6	..	0.8	0	0	12	01	4	0	0	0	0	4	3	19	0
	1730	100	1013.5	1001.9	..	23.5	22.7	22.4	27.0	92	..	1.4	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
BURDWAN	0830	32	1017.5	1013.6	-0.1	15.2	12.8	10.7	12.8	76	+ 7	1.4	+0.0	1.3	0	0	12	07	4	0	0	1	0	0	0	19	0
	1730	32	1013.7	1010.2	+0.2	23.5	17.0	12.1	14.1	50	+ 0	1.3	+0.0	2.3	0	0	20	04	10	0	0	4	0	1	1	11	0
CALCUTTA (DUM DUM)	0230	6	1014.5	1013.8	..	14.8	14.0	13.4	15.4	91	..	2.1	..	1.2	0	0	9	07	0	0	1	1	0	0	0	22	0
	0530	6	1014.6	1013.9	..	13.9	13.1	12.4	14.4	91	..	2.2	..	1.5	0	0	15	08	1	0	2	0	1	0	3	16	0
	0830	6	1017.0	1016.3	-0.5	17.7	15.0	12.9	14.9	73	- 1	2.4	+0.8	3.2	0	0	22	04	11	1	1	0	1	0	4	9	0
	1130	6	1015.9	1015.2	..	23.0	16.8	12.1	14.1	51	..	2.3	..	6.8	0	0	31	11	10	1	1	1	2	0	5	0	0
	1430	6	1013.2	1012.5	..	24.5	17.2	11.6	13.8	46	..	2.4	..	6.3	0	0	30	09	7	1	0	1	2	0	10	1	0
	1730	6	1013.5	1012.8	-0.4	21.8	17.3	14.1	16.0	62	+ 5	2.4	+0.9	1.5	0	0	11	02	2	0	0	3	0	1	3	20	0
	2030	6	1015.1	1014.4	..	17.4	15.8	14.8	16.8	83	..	1.7	..	0.9	0	0	7	02	2	0	0	2	0	0	1	24	0
	2330	6	1014.9	1014.2	..	15.8	14.7	13.9	15.9	88	..	1.8	..	1.2	0	0	10	06	1	0	0	2	0	0	1	21	0
CALCUTTA	0830	6	1017.2	1016.4	-0.3	18.7	15.3	12.6	14.6	68	-10	2.2	+0.7	5.2	0	0	29	08	6	2	0	1	1	2	9	2	0
	1130	6	1015.9	1015.2	..	23.9	17.0	11.8	13.8	48	..	2.1	..	5.9	0	0	29	10	9	1	0	1	2	0	6	2	0
	1730	6	1013.6	1012.9	-0.2	21.9	16.6	12.6	14.8	56	+ 0	2.5	+0.9	2.3	0	0	18	03	4	0	0	4	0	2	5	13	0
MIDNAPORE	0830	45	1017.7	1012.3	+0.0	18.3	14.6	11.6	13.5	65	+ 1	1.7	+0.1	1.4	0	0	17	01	11	2	0	1	0	0	0	14	2
	1730	45	1013.7	1008.4	+0.0	23.2	17.1	13.6	14.6	52	+ 5	1.7	+0.1	0.8	0	0	13	01	9	0	1	2	0	0	0	18	0
CONTAI	0830	11	1017.0	1015.7	+0.0	18.8	16.3	14.5	16.5	75	+ 4	2.0	+0.9	5.1	0	0	31	25	2	1	0	2	0	0	1	0	0
	1730	11	1013.6	1012.4	+0.0	21.7	17.8	15.1	17.1	67	+ 3	1.8	+0.6	2.3	0	0	19	09	1	1	0	7	0	0	1	12	0
SAGAR ISLAND	0830	3	1016.3	1015.9	-0.6	19.3	17.1	15.6	17.8	80	+ 6	2.6	+0.9	13.2	0	9	22	13	5	0	1	1	2	1	8	0	0
	1730	3	1013.3	1012.9	-0.4	21.4	18.0	15.7	17.8	70	+ 5	2.4	+0.6	9.5	0	4	27	09	3	1	2	3	2	1	10	0	0
SANDHEADS	0530	10	1013.9	1012.8	..	21.5	18.4	16.4	18.6	73	..	1.5	..	11.7	0	6	21	02	22	0	0	1	2	0	0	4	0
	0830	10	1016.0	1014.9	-1.1	22.8	18.6	15.9	18.0	66	+ 0	2.5	+1.0	11.7	0	6	24	04	23	0	0	0	3	0	0	1	0
	1130	10	1015.5	1014.4	..	23.9	19.0	15.8	17.9	61	..	2.4	..	12.3	0	4	27	04	24	0	0	1	2	0	0	0	0
	1730	10	1013.8	1012.7	-0.4	22.6	18.7	16.2	18.4	68	+ 3	2.6	+1.2	10.7	0	4	21	04	19	0	0	1	1	0	0	6	0
	2330	10	1014.5	1013.4	..	21.9	18.7	16.7	19.0	72	..	0.0	..	9.6	0	2	27	02	23	0	0	1	3	0	0	2	0
ORISSA																											
BARIPADA	0830	54	1018.5	1012.0	+0.2	17.1	14.8	13.0	14.9	77	+12	2.3	+0.4	2.9	0	0	23	11	6	0	0	1	0	0	5	8	0
	1730	54	1014.7	1008.4	+0.7	21.7	17.4	14.4	16.4	65	+11	2.0	+0.5	5.0	0	0	6	02	0	0	3	1	0	0	0	25	0
JHARSUGUDA	0230	230	1014.3	987.4	..	15.9	13.8	12.1	14.1	79	..	1.8	..	3.8	0	0	17	03	10	2	1	0	0	0	1	14	0
	0530	230	1014.9	987.9	..	14.3	12.6	11.1	12.3	81	..	1.5	..	4.1	0	0	19	06	11	2	0	0	0	0	0	12	0
	0830	230	1016.9	989.9	-0.6	17.1	13.9	11.2	13.2	65	- 4	2.0	+0.4	8.2	0	0	28	06	18	3	0	0	0	0	1	3	0
	1130	230	1015.7	989.4	..	23.8	16.9	11.6	13.6	47	..	1.6	..	7.6	0	1	25	01	10	4	3	4	2	1	1	5	0
	1430	230	1012.4	986.4	..	26.6	17.5	10.4	12.6	38	..	2.1	..	8.8	0	0	28	02	7	2	0	2	2	6	7	3	0
	1730	230	1012.5	986.5	-0.3	24.7	17.1	11.2	13.2	45	+ 1	2.4	+0.8	5.2	0	0	20	01	7	3	0	1	0	5	3	11	0
	2030	230	1014.6	988.1	..	20.5	15.6	11.7	15.7	58	..	1.9	..	3.9	0	0	18	00	0	9	3	4	1	0	1	13	0
	2330	230	1015.0	988.2	..	17.7	14.6	12.1	14.2	70	..	1.7	..	3.4	0	0	14	00	8	4	2	0	0	0	0	17	0
KEONJHARGARH	0830	465	1017.8	964.7	-0.5	17.3	14.0	11.5	13.6	68	+ 7	2.0	+0.6	0.5	0	0	8	06	0	0	0	0	0	2	0	23	0
	1730	465	1011.9	960.2	-1.4	23.2	16.8	12.5	14.5	52	+ 4	1.7	-0.4	1.1	0	0	16	01	7	1	0	0	1	4	2	15	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORRISA(CONTD)																											
BALASORE	0830	20	1016.9	1014.5	-0.6	18.0	15.5	13.6	15.6	77	+ 9	2.7	+0.7	[illegible]	0	0	29	23	1	0	1	1	2	0	1	1	0
	1730	20	1013.8	1011.5	+0.1	21.4	17.8	15.4	17.5	69	+ 8	2.7	+0.3	1.9	0	0	12	03	1	1	3	4	0	0	0	18	0
SAMBALPUR	0830	148	1016.1	998.9	-1.1	19.7	15.6	12.4	14.4	63	-10	1.4	-0.3	0.9	0	0	9	02	6	1	0	0	0	0	0	22	0
	1730	148	1014.5	997.4	+1.1	19.5	16.0	13.4	15.4	68	+23	1.5	-0.3	0.6	0	0	8	02	5	1	0	0	0	0	0	23	0
ANGUL	0830	139	1017.6	1001.6	+0.3	18.6	16.5	15.0	17.0	80	+ 5	2.7	+0.5	2.3	0	0	21	04	2	3	0	1	0	10	1	10	0
	1730	139	1013.5	997.6	+0.2	24.1	18.7	15.1	17.1	58	+16	3.0	+0.9	2.0	0	0	23	02	4	12	1	1	1	2	0	8	0
CHANDBALI	0830	6	1017.2	1016.5	-0.1	18.8	16.7	15.2	17.3	80	+ 4	2.8	+1.4	4.8	0	0	25	12	3	1	0	0	0	1	8	6	0
	1730	6	1013.6	1012.9	-0.3	22.0	18.2	15.7	17.8	67	+ 5	2.6	+1.0	3.8	0	0	25	02	8	6	3	0	0	1	5	6	0
BOLANGIR	0830	190	1016.7	994.6	-0.3	19.1	16.5	14.3	16.3	74	+ 5	2.3	-0.2	3.0	0	0	28	10	6	2	3	2	1	3	1	3	0
	1730	190	1012.6	991.0	-0.7	25.4	19.0	14.8	16.8	54	+ 1	2.3	-0.3	2.5	0	0	21	06	10	2	0	2	0	0	1	10	0
PHULBANI	0830	464	1014.9	961.5	..	15.8	14.2	13.1	14.1	83	..	2.3	..	0.4	0	0	6	00	0	6	0	0	0	0	0	25	0
	1730	464	1010.4	958.4	..	22.7	16.6	12.4	14.4	54	..	2.0	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
CUTTACK	0830	27	1017.1	1014.0	-0.1	18.3	16.7	15.7	17.8	84	+ 4	3.4	+1.7	4.1	0	0	28	05	8	0	0	0	2	3	10	3	0
	1730	27	1013.8	1010.7	+0.4	24.8	19.7	16.7	19.0	62	+14	2.9	+1.2	4.3	0	0	27	01	10	6	5	3	1	0	1	4	0
TITLAGARH	0830	211	1017.0	992.6	+0.0	19.6	16.7	14.6	16.6	74	+ 6	1.8	+0.5	1.3	0	0	18	00	9	0	6	0	2	0	1	13	0
	1730	211	1013.1	989.3	+0.7	26.4	21.6	18.9	21.8	64	+24	1.5	+0.3	1.3	0	0	20	01	15	0	2	0	1	0	1	11	0
BHUBANESWAR	0230	46	1014.2	1008.8	..	17.3	16.1	15.3	17.4	88	..	2.2	..	8.4	0	4	21	09	8	0	3	0	2	1	2	6	0
	0530	46	1014.4	1009.1	..	16.7	15.6	14.8	16.8	88	..	3.0	..	9.1	0	5	21	07	9	1	3	1	1	2	2	5	0
	0830	46	1016.8	1011.5	-0.1	19.7	17.1	15.3	17.4	77	+ 7	3.3	+1.5	10.6	0	6	22	12	13	0	0	0	3	0	0	3	0
	1130	46	1015.9	1010.7	..	24.0	18.2	14.2	16.2	56	..	2.8	..	14.0	0	9	19	01	19	3	0	0	4	1	0	3	0
	1430	46	1013.1	1007.9	..	25.3	18.4	13.6	15.7	51	..	3.0	..	12.8	0	7	21	02	17	3	2	0	3	1	0	3	0
	1730	46	1013.5	1008.3	+0.1	25.2	18.3	15.0	17.0	62	+12	3.0	+0.9	11.4	0	3	28	02	15	7	3	3	1	0	0	0	0
	2030	46	1015.3	1010.0	..	20.0	17.5	15.8	17.9	78	..	2.4	..	9.7	0	3	27	01	11	6	6	3	3	0	0	1	0
	2330	46	1015.2	1009.9	..	18.2	16.9	16.0	18.2	86	..	2.5	..	7.1	0	1	28	04	12	1	5	1	3	1	0	4	0
PURI	0830	6	1016.2	1015.3	-1.1	20.5	17.8	16.0	18.2	76	+ 3	3.1	+1.5	9.8	0	3	28	19	9	0	0	0	2	0	1	0	0
	1730	6	1013.0	1012.3	-0.8	22.7	19.1	16.8	19.1	71	+ 3	2.9	+0.8	11.7	0	5	26	01	9	6	11	4	0	0	0	0	0
GOPALPUR	0530	17	1014.1	1012.1	..	18.3	17.2	16.4	18.6	89	..	3.3	..	10.5	0	1	28	17	3	0	0	0	1	1	7	2	0
	0830	17	1016.5	1014.5	-0.5	19.8	18.0	16.8	19.1	83	+ 9	3.3	+1.6	12.1	0	2	29	20	2	0	0	0	2	0	7	0	0
	1130	17	1016.1	1014.1	..	24.2	20.1	17.6	20.1	68	..	3.6	..	13.6	0	5	25	10	7	4	3	4	1	0	1	1	0
	1730	17	1013.4	1011.4	-0.2	23.2	20.0	18.1	20.8	74	+ 4	3.4	+1.5	13.2	0	4	27	04	8	10	5	2	2	0	0	0	0
	2330	17	1015.3	1013.3	..	20.3	18.6	17.6	20.1	86	..	3.3	..	8.1	0	1	24	10	4	1	0	1	2	3	4	6	0
KORAPUT(d)	0830	915	1520.4	913.6	-1.1	14.7	11.7	9.1	11.5	71	+ 2	5.0	+3.6	4.4	0	0	27	01	2	0	7	15	2	0	0	0	0
	1730	915	1509.2	910.8	-1.2	21.8	13.5	6.1	9.4	38	- 5	4.9	+2.9	7.0	0	0	27	00	0	1	25	1	0	0	0	0	0
BIHAR PLATEAU																											
DUMKA	0830	149	1018.4	1000.8	+0.5	16.4	12.9	9.7	12.0	64	- 2	0.6	-0.8	1.1	0	0	7	00	1	0	1	1	0	2	2	24	0
	1730	149	1014.1	997.0	+0.4	22.3	16.2	11.4	13.5	51	+ 0	0.8	-0.6	1.0	0	0	7	02	0	0	0	0	1	2	2	24	0
DALTONGANJ	0830	221	1018.4	992.5	+0.2	15.7	11.2	6.7	9.8	55	-23	0.6	-1.7	1.7	0	0	25	00	6	0	0	0	13	2	4	6	0
	1730	221	1013.8	988.5	-0.1	22.5	14.5	7.0	10.0	39	-12	0.7	-1.6	3.0	0	0	29	02	11	2	0	0	1	0	13	2	0
HAZARIBAGH	0830	611	1017.9	947.5	-0.2	14.2	9.9	5.7	9.1	57	- 6	1.0	-1.0	3.5	0	0	21	05	4	1	3	1	1	0	6	10	0
	1730	611	1013.5	944.7	-0.3	19.9	12.1	4.6	8.5	38	-11	1.4	-0.7	6.8	0	0	30	17	5	1	1	0	0	0	5	1	0
DHANBAD	0830	257	1017.3	987.4	-0.4	17.9	12.4	6.9	9.9	50	- 9	0.8	-1.0	1.9	0	0	15	06	2	1	0	0	0	5	1	16	0
	1730	257	1013.5	984.0	..	21.9	14.9	8.7	11.2	42	..	0.9	..	0.9	0	0	7	00	2	0	1	0	0	4	0	24	0
RANCHI	0830	655	1019.2	944.3	+1.9	15.6	11.1	6.3	9.5	56	- 6	1.4	-0.4	1.6	0	0	25	01	4	3	2	1	1	1	12	6	0
	1730	655	1014.5	941.0	+1.1	20.3	14.8	10.1	12.3	54	+ 3	2.4	+0.5	1.4	0	0	22	03	5	4	2	0	1	0	7	9	0
RANCHI AERODROME	0530	652	1015.6	940.5	..	12.5	9.3	6.1	9.4	66	..	1.0	..	4.5	0	0	14	07	0	1	1	0	1	0	4	17	0
	0830	652	1017.0	942.6	-0.1	15.2	10.5	5.9	9.2	55	- 3	1.0	-0.9	6.5	0	2	16	06	2	1	2	0	1	2	4	13	0
	1130	652	1015.1	942.1	..	20.5	13.2	6.8	9.9	43	..	1.3	..	9.7	0	3	19	02	3	4	4	1	3	2	3	9	0
	1430	652	1011.7	939.4	..	22.6	13.7	5.8	9.2	36	..	1.9	..	12.5	0	6	19	04	3	3	2	1	2	3	7	6	0
	1730	652	1012.3	939.7	+0.0	21.1	13.1	5.5	9.0	38	- 7	2.2	-0.4	10.3	0	0	27	07	6	4	1	0	1	1	7	4	0
	2030	652	1015.5	941.4	..	16.6	11.8	7.5	10.4	57	..	1.4	..	4.9	0	0	12	07	1	0	0	2	0	0	2	19	0
JAMSHEDPUR	0830	129	1017.2	1002.0	-0.7	15.7	13.5	11.6	13.7	77	+ 2	1.8	-0.1	1.0	0	0	13	02	0	2	0	0	0	8	1	18	0
	1730	129	1013.3	998.7	+0.1	23.3	18.3	14.8	16.8	60	+12	1.6	-0.1	1.2	0	0	13	00	1	9	1	0	0	2	0	18	0
JAMSHEDPUR P.B.O.	0530	142	1015.3	998.6	..	13.9	12.6	11.5	13.6	85	..	1.6	..	1.2	0	0	6	01	0	0	0	1	1	1	2	25	0
	0830	142	1017.7	1001.0	+0.1	16.4	13.8	11.6	13.7	74	+ 3	2.0	+0.2	3.7	0	0	21	00	2	1	1	0	1	3	13	10	0
	1130	142	1016.4	1000.0	..	22.3	15.9	10.7	12.9	49	..	1.7	..	4.3	0	0	28	02	5	3	1	1	3	6	7	3	0
	1430	142	1013.0	996.9	..	24.7	16.5	9.8	12.1	41	..	1.7	..	4.8	0	0	29	04	5	3	1	0	4	5	7	2	0
	1730	142	1013.1	996.9	+0.1	22.8	16.5	11.6	13.7	51	+ 6	1.9	-0.4	1.7	0	0	12	01	2	6	0	0	0	1	2	19	0
	2030	142	1015.0	998.6	..	18.2	15.5	13.5	15.4	74	..	1.7	..	1.3	0	0	9	01	1	5	0	0	0	0	2	22	0
	2330	142	1015.6	999.0	..	16.1	14.2	12.7	14.7	81	..	1.3	..	2.4	0	0	15	01	1	3	0	0	0	0	10	16	0
CHAIBASA	0830	226	1017.7	991.1	-0.2	16.5	13.9	11.7	13.7	73	0	2.0	-0.3	1.0	0	0	9	00	4	0	0	0	5	0	0	22	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JANUARY 1967 (PAUSA 11 – MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION			Mean pressure in mbs.			Mean temperature in °C						Cloud Amount (Oktas)			No. of observations: Wind Speed (Km. p. h.)			Wind direction									
	Hour of observation I. S. T.	Station elevation in metres	At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Mean amount	Departure from normal	Mean wind speed Km. per hour	62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BIHAR PLATEAU(CONTD.)																											
CHAIBASA...(CONTD.)	1730	226	1013.3	987.3	-0.1	22.3	16.5	11.9	13.9	54	+ 3	2.1	-0.5	0.1	0	0	1	00	0	0	0	0	1	0	0	30	0
BIHAR PLAINS																											
MOTIHARI	0830	66	1017.8	1009.8	+0.6	12.9	11.0	9.2	11.6	78	- 5	0.4	-1.6	2.1	0	0	20	01	5	1	0	1	4	5	3	11	0
	1730	66	1014.0	1006.3	-0.5	19.7	14.9	10.9	13.0	58	- 8	0.8	-1.1	1.5	0	0	12	01	0	0	0	0	1	9	1	19	0
FORBESGANJ	0830	61	1017.4	1010.1	+0.0	13.8	11.8	9.9	12.2	78	- 9	0.7	-1.4	2.2	0	0	25	00	3	6	0	0	0	10	6	6	0
	1730	61	1013.6	1006.8	+0.2	20.5	15.2	10.8	12.9	54	- 9	0.9	-1.1	1.6	0	0	19	00	0	1	0	0	0	16	2	12	0
DARBHANGA	0830	49	1018.2	1012.5	+0.6	18.9	14.6	11.0	13.1	61	-23	0.3	-1.5	0.3	0	0	5	00	0	0	0	0	0	4	1	26	0
	1730	49	1014.5	1008.8	+0.4	20.9	16.4	13.0	15.0	63	+ 2	0.3	-1.7	0.1	0	0	1	00	0	0	0	0	0	1	0	30	0
MUZAFFARPUR	0830		..	..	..	14.0	11.5	9.1	11.5	71	..	0.5	..	2.6	0	0	25	02	2	1	1	3	4	9	3	6	0
	1730		..	..	..	18.9	14.6	11.0	13.1	60	..	0.6	..	1.0	0	0	12	01	0	0	0	0	2	7	2	19	0
CHAPRA	0830	58	1017.8	1011.0	..	13.0	10.2	7.3	10.2	68	..	0.2	..	2.3	0	0	27	01	2	1	0	0	19	3	1	4	0
	1730	58	1014.5	1007.9	..	21.3	15.1	9.7	12.0	50	..	0.4	..	1.4	0	0	15	00	1	1	0	0	12	0	1	16	0
PURNEA	0830	38	1017.8	1013.2	+0.0	15.4	12.2	9.4	11.8	66	-18	0.5	-1.1	0.6	0	0	8	00	0	0	0	0	1	7	0	23	0
	1730	38	1014.0	1009.6	+0.2	20.3	15.5	11.7	13.4	58	- 5	0.7	-0.7	0.4	0	0	5	00	0	0	0	0	0	5	0	26	0
PATNA	0830	53	1017.8	1011.5	+0.0	12.8	10.2	7.5	10.4	70	- 1	0.6	-1.4	5.2	0	0	27	00	4	1	0	2	14	5	1	4	0
	1730	53	1014.2	1008.2	+0.0	21.1	14.3	8.1	10.8	44	- 9	1.0	-1.0	4.3	0	0	24	01	0	1	0	0	1	19	2	7	0
PATNA AERODROME	0530	60	1015.3	1008.1	..	9.3	7.8	5.9	8.9	81	..	0.5	..	2.2	0	0	7	01	0	0	0	0	0	6	0	24	0
	0830	60	1017.6	1010.5	+0.4	13.9	10.3	6.4	9.6	63	-14	1.0	-1.1	5.4	0	0	21	02	1	0	0	2	9	6	1	10	0
	1130	60	1017.0	1010.1	..	21.4	13.9	6.8	9.8	38	..	1.1	..	9.1	0	3	25	02	3	4	1	2	1	12	3	3	0
	1430	60	1013.9	1007.1	..	24.0	14.5	5.2	8.8	30	..	1.3	..	10.0	0	3	23	05	0	0	0	0	1	13	6	5	1
	1730	60	1013.8	1006.9	-0.2	21.1	13.9	7.5	10.4	41	-16	1.3	-0.7	3.4	0	0	13	01	2	0	0	0	0	7	3	18	0
	2030	60	1015.5	1008.4	..	14.8	11.3	7.8	10.6	63	..	0.8	..	1.5	0	0	8	00	1	0	0	0	1	3	3	23	0
	2330	60	1015.9	1008.7	..	12.7	9.9	6.9	9.9	68	..	0.9	..	3.1	0	0	10	01	0	1	0	0	0	4	4	21	0
BHAGALPUR	0530	49	1015.7	1009.8	..	12.2	10.1	7.9	10.6	75	..	1.1	..	3.1	0	0	21	00	2	0	2	4	11	2	0	10	0
	0830	49	1017.8	1012.0	-0.2	14.8	11.7	8.7	11.2	66	-10	1.2	-0.5	2.7	0	0	24	00	1	0	1	5	10	6	1	7	0
	1130	49	1017.2	1011.5	..	20.8	14.6	9.2	11.6	47	..	1.4	..	5.9	0	1	30	02	6	3	1	0	3	12	4	0	0
	1730	49	1014.1	1008.5	-0.2	20.5	14.8	9.9	12.2	51	-12	1.8	+0.1	4.4	0	1	30	04	1	3	1	0	2	7	13	0	0
	2330	49	1016.1	1010.3	..	15.1	11.9	8.8	11.3	66	..	0.8	..	3.3	0	0	25	02	3	1	0	6	7	6	0	6	0
SABAUR	0830	57	1017.9	1013.4	+0.1	14.5	11.7	9.0	11.5	69	-13	1.0	-1.0	2.8	0	0	22	01	0	0	0	1	9	10	1	9	0
	1730	57	1014.1	1009.7	+0.1	21.1	15.7	11.4	13.5	54	-11	1.4	-0.6	2.3	0	0	18	02	0	1	0	0	0	5	10	13	0
JAMUI	0830	82	1017.4	1007.6	-0.6	14.2	10.3	6.0	9.3	59	-20	0.2	-1.8	8.0	0	0	31	00	0	25	1	0	0	4	1	0	0
	1730	82	1014.0	1004.4	-0.3	19.0	10.9	0.9	6.5	34	-27	0.2	-1.6	4.0	0	0	31	00	0	27	0	0	0	4	0	0	0
DEHRI	0830	107	1018.3	1005.5	+0.4	14.6	11.2	7.8	10.6	64	- 9	1.5	-0.6	2.3	0	0	31	00	3	2	2	4	15	1	4	0	0
	1730	107	1014.5	1002.1	+0.8	22.1	14.5	7.5	10.3	39	-11	0.8	-1.3	3.9	0	0	30	01	14	0	0	0	0	15	0	1	0
GAYA	0230	116	1016.4	1002.5	..	11.7	8.6	4.7	8.5	64	..	0.5	..	3.4	0	0	27	01	0	0	6	10	4	4	2	4	0
	0530	116	1016.5	1002.5	..	10.0	7.6	4.7	8.5	70	..	0.4	..	3.6	0	0	27	00	0	3	6	8	7	2	1	4	0
	0830	116	1018.3	1004.5	+0.3	14.0	10.0	5.6	9.0	57	-12	1.2	-1.0	4.6	0	0	28	01	0	0	5	7	11	4	0	3	0
	1130	116	1017.7	1004.2	..	21.8	14.0	6.5	9.6	37	..	0.9	..	9.8	0	3	28	03	6	2	2	0	1	9	8	0	0
	1430	116	1014.7	1001.3	..	24.4	15.1	6.4	9.7	32	..	1.2	..	11.9	0	5	26	05	7	1	1	0	0	9	8	0	0
	1730	116	1014.4	1001.0	+0.1	22.1	13.9	5.9	9.2	35	-12	1.2	-0.8	9.1	0	0	31	12	4	1	1	0	0	2	11	0	0
	2030	116	1016.2	1002.5	..	16.8	11.8	6.7	9.8	51	..	0.4	..	5.7	0	0	30	08	6	2	1	0	1	7	5	1	0
	2330	116	1016.9	1003.0	..	13.4	9.6	5.3	8.9	58	..	0.4	..	4.0	0	0	27	01	1	4	3	6	4	4	4	4	0
UTTAR PRADESH EAST																											
KHERI	0830	147	(R)																								
	1730	147	(R)																								
BAHRAICH	0830	124	1018.2	1003.2	+0.7	10.6	8.3	5.6	9.1	71	-11	1.2	-2.0	3.0	0	0	17	00	0	0	0	0	3	5	9	14	0
	1730	124	1014.5	1000.2	+0.3	21.0	14.5	9.0	11.5	48	- 9	1.7	-0.6	1.9	0	0	13	00	0	0	1	0	9	2	1	18	0
NAUTANWA	0830	99	1016.4	1004.5	-1.4	10.8	9.5	8.0	10.7	83	- 8	0.2	-1.9	..	0	0	18	00	0	8	2	2	0	4	2	13	0
	1730	99	1013.3	1001.7	-1.3	20.3	15.1	10.3	12.5	56	- 6	0.7	-1.2	..	0	0	10	00	0	0	2	0	6	0	2	21	0
HARDOI	0830	142	1018.6	1001.3	+0.9	9.7	7.5	4.7	8.5	71	-15	0.5	-1.8	3.2	0	0	25	04	0	2	0	1	1	17	0	6	0
	1730	142	1015.2	998.5	+0.8	19.0	13.0	7.3	10.2	47	-10	0.4	-1.6	1.8	0	0	18	01	1	0	1	0	1	14	0	13	0
GONDA	0830	110	1018.4	1005.2	+0.5	12.1	9.1	5.7	9.1	65	-19	0.7	-1.3	2.1	0	0	22	01	0	1	0	0	0	4	16	9	0
	1730	110	1014.2	1001.4	-0.6	19.3	13.7	8.3	11.0	50	-11	0.6	-1.6	0.8	0	0	7	00	0	0	0	0	0	0	7	24	0
LUCKNOW	0830	111	1017.4	1003.9	-0.6	9.6	7.5	5.1	8.8	73	- 9	0.5	-1.5	0.6	0	0	7	00	0	1	0	0	0	6	0	24	0
	1730	111	1014.3	1001.6	+0.1	21.0	14.0	7.0	10.0	42	-13	0.8	-1.2	0.9	0	0	9	00	0	0	0	0	0	9	0	22	0
LUCKNOW(AMAUSI)	0230	128	1016.6	1001.1	..	7.7	6.0	3.9	8.0	78	..	0.2	..	8.2	0	1	29	04	1	2	0	0	1	8	14	1	0
	0530	128	1016.4	1000.9	..	5.9	4.7	3.1	7.6	82	..	0.3	..	6.7	0	0	30	04	2	1	0	0	2	9	12	1	0
	0830	128	1018.3	1002.8	+0.3	9.5	7.3	4.0	8.1	71	-14	0.9	-1.5	7.2	0	0	31	03	4	0	1	0	2	10	11	0	0
	1130	128	1018.1	1003.1	..	19.1	11.7	3.3	7.7	35	..	0.9	..	11.6	0	3	27	06	0	2	4	1	1	5	11	1	0
	1430	128	1015.1	1000.3	..	22.0	12.5	1.4	6.8	27	..	1.0	..	12.2	0	5	25	04	2	3	2	2	1	3	13	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or lit. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																												
LUCKNOW(AMAUSI) (CONTD.)	1730	128	1014.5	1000.0	+0.2	19.3	12.5	5.3	8.9	42	-17	1.1	-1.2	6.8	0	0	30	02	0	3	1	0	0	13	11	1	0
	2030	128	1016.6	1001.3	..	11.9	9.0	5.6	9.1	67	..	0.4	..	7.0	0	0	29	00	2	3	0	0	3	17	4	2	0
	2330	128	1017.1	1001.7	..	9.5	7.3	4.6	8.5	73	..	0.5	..	7.7	0	1	29	02	2	1	1	0	1	11	12	1	0
FAIZABAD	0830	102	1017.9	1005.6	-0.2	10.1	8.3	6.3	9.5	78	- 7	0.7	-1.8	1.5	0	0	12	00	3	0	0	0	2	7	0	9	0
	1730	102	1014.8	1002.9	-0.2	18.7	13.5	8.6	11.2	53	-10	1.1	-0.9	0.5	0	0	4	00	0	0	0	0	0	4	0	27	0
GORAKHPUR	0830	77	1018.1	1008.8	+0.8	13.4	10.0	6.2	9.5	63	-17	0.3	-1.6	1.4	0	0	18	00	0	3	0	0	2	11	2	13	0
	1730	77	1014.4	1005.4	+0.3	20.9	14.4	8.6	11.2	45	-12	0.5	-1.4	0.7	0	0	10	00	0	0	0	0	3	6	1	21	0
GORKHPUR P.B.O	0230	78	1015.5	1006.1	..	12.3	9.8	7.5	10.4	74	..	0.2	..	1.6	0	0	8	00	0	0	0	0	2	6	0	23	0
	0530	78	1015.3	1005.9	..	11.1	8.9	6.8	9.9	76	..	0.1	..	1.1	0	0	8	00	0	1	0	0	2	4	1	23	0
	1130	78	1017.2	1008.1	..	19.0	13.0	8.0	10.8	50	..	0.5	..	6.2	0	0	31	01	0	1	6	6	9	8	0	0	0
	1430	78	1014.4	1005.3	..	22.0	13.6	7.0	10.0	39	..	0.8	..	6.1	0	0	29	00	1	1	4	5	5	11	2	2	0
	2030	78	1015.6	1006.4	..	15.7	12.4	9.8	12.1	69	..	0.3	..	1.7	0	0	12	00	0	0	0	0	5	5	2	19	0
	2330	78	1016.2	1006.8	..	13.7	10.8	8.5	11.1	72	..	0.2	..	1.7	0	0	10	00	0	0	0	0	4	5	1	21	0
KANPUR	0830	126	1018.3	1003.0	+0.2	8.5	6.4	3.5	7.9	71	- 9	0.3	-1.8	3.7	0	0	19	03	1	2	0	2	0	7	4	12	0
	1730	126	1014.9	1000.2	+0.0	20.7	12.7	3.9	8.1	35	-16	0.5	-1.5	4.9	0	0	21	02	3	0	0	0	0	12	4	10	0
KANPUR (AERODROME)	0530	126	1016.7	1001.4	..	7.4	5.4	2.3	7.2	71	..	0.4	..	3.4	0	0	13	03	0	1	1	0	0	4	4	18	0
	0830	126	1018.5	1003.3	..	10.0	7.2	3.4	7.8	65	..	0.5	..	4.8	0	0	18	05	1	1	1	0	3	4	2	13	1
	1130	126	1018.5	1003.8	..	19.3	11.4	2.2	7.2	33	..	0.7	..	9.6	0	1	27	09	2	3	1	0	1	7	3	3	2
	1730	126	1015.0	1000.4	..	19.9	12.1	3.1	7.6	34	..	0.8	..	4.7	0	0	21	02	2	2	1	0	0	6	7	10	1
	2330	126	1017.4	1002.2	..	10.7	7.6	3.5	7.9	62	..	0.1	..	1.2	0	0	6	01	1	0	0	0	0	3	1	25	0
SULTANPUR	0830	97	1019.0	1007.3	+0.1	10.7	8.6	6.2	9.5	74	+ 0	0.9	-0.9	2.1	0	0	21	00	0	2	0	0	7	7	5	10	0
	1730	97	1014.8	1003.5	-0.2	20.7	19.7	7.1	10.1	42	-10	1.0	-0.9	1.5	0	0	13	00	1	0	0	0	2	6	4	18	0
AZAMGARH	0830	78	1018.0	1008.7	+0.8	10.9	9.4	7.8	10.6	82	- 4	0.6	-1.1	3.6	0	0	26	00	3	1	0	2	4	16	0	5	0
	1730	78	1014.7	1005.6	+0.5	19.8	15.9	12.8	14.8	65	- 3	0.3	-1.0	1.2	0	0	7	01	0	0	0	0	1	5	0	24	0
FATEHPUR	0830	114	1018.7	1004.9	+0.6	10.1	7.7	4.7	8.5	69	- 5	0.5	-1.8	3.2	0	0	21	00	3	2	0	0	6	4	6	10	0
	1730	114	1015.0	1001.7	+0.6	20.2	13.8	7.6	10.4	45	- 6	0.4	-1.9	1.9	0	0	16	02	3	0	0	0	0	2	9	15	0
BALLIA	0830	64	1018.2	1010.7	+0.2	11.9	9.6	7.1	10.1	73	- 8	0.5	-1.6	1.0	0	0	10	00	1	1	0	0	0	5	3	21	0
	1730	64	1015.0	1007.5	-0.2	20.8	15.2	10.2	12.4	54	- 2	0.7	-1.4	0.6	0	0	7	00	2	0	0	0	0	4	1	24	0
BANDA	0830	121	1019.2	1004.6	+0.9	11.3	8.1	4.1	8.2	62	-14	0.3	-2.0	0.5	0	0	8	00	0	0	0	0	3	3	2	23	0
	1730	121	1014.9	1000.8	+0.2	20.8	15.8	11.6	13.7	57	+ 0	0.4	-1.1	0.3	0	0	4	00	0	0	1	0	1	0	2	27	0
ALLAHABAD (BAMHRAULI)	0230	98	1016.6	1004.7	..	9.2	8.1	6.8	9.9	86	..	0.5	..	0.3	0	0	3	00	0	0	0	0	1	1	1	28	0
	0530	98	1016.5	1004.7	..	7.8	7.0	6.0	9.3	88	..	0.4	..	0.8	0	0	8	01	0	0	0	0	3	3	1	23	0
	0830	98	1018.7	1006.9	+0.7	10.2	8.4	6.2	9.5	77	- 2	0.7	-1.7	1.8	0	0	11	01	3	0	0	0	0	5	2	20	0
	1130	98	1018.4	1007.0	..	20.1	14.3	9.1	11.5	50	..	0.8	..	4.1	0	0	27	03	6	2	0	1	3	9	3	4	0
	1430	98	1015.4	1004.1	..	22.9	16.2	10.6	12.8	47	..	0.7	..	5.4	0	0	29	06	2	0	2	0	0	11	8	2	0
	1730	98	1015.1	1003.7	+0.4	20.6	15.6	11.4	13.5	57	+ 4	0.7	-1.7	0.9	0	0	11	01	3	0	0	0	0	5	2	20	0
	2030	98	1016.8	1005.2	..	13.8	11.3	8.9	11.4	73	..	0.3	..	0.8	0	0	10	01	1	0	0	0	1	5	1	21	0
	2330	98	1017.1	1005.3	..	11.1	9.4	7.5	10.4	79	..	0.3	..	0.5	0	0	7	00	1	0	0	0	0	4	2	24	0
VARANASI (BABATPUR)	0530	85	1016.4	1005.9	..	7.4	6.5	5.4	8.9	87	..	0.5	..	1.5	0	0	7	00	1	0	0	0	3	3	0	24	0
	0830	85	1018.6	1008.3	+0.2	11.8	9.4	6.7	9.8	71	- 6	0.8	-1.5	5.7	0	0	25	02	1	0	0	0	13	7	1	6	1
	1130	85	1018.0	1008.0	..	20.1	13.6	7.3	10.2	44	..	0.7	..	7.8	0	0	28	01	2	4	0	0	2	12	2	3	5
	1730	85	1014.9	1004.9	-0.2	19.5	13.4	7.5	10.4	47	-10	0.8	-1.3	5.0	0	0	23	01	3	0	0	0	0	9	6	8	4
	2330	85	1017.3	1006.5	..	10.8	8.7	6.4	9.6	76	..	0.3	..	1.2	0	0	6	00	0	0	0	0	0	6	0	25	0
VARANASI	0830	76	1018.0	1008.8	+0.2	11.6	9.2	6.5	10.4	71	- 9	0.7	-1.4	2.3	0	0	20	00	0	0	0	0	4	14	2	11	0
	1730	76	1014.3	1005.5	-0.2	21.9	14.0	6.2	9.4	38	-13	0.5	-1.7	2.8	0	0	24	04	0	2	0	0	0	11	7	7	0
UTTAR PRADESH WEST																												
MUKHIM	0830		..	..	..	7.7	2.8	- 4.7	4.1	43	-13	2.1	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	7.4	2.8	- 4.4	4.2	43	-16	2.4	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TEHRI	0830	770	1033.9	941.8	..	4.3	3.7	2.8	7.5	90	- 1	1.7	-1.7	0.3	0	0	3	01	0	0	0	0	2	0	0	28	0
	1130	770	1030.1	940.8	..	13.3	8.0	1.6	6.9	45	..	1.7	..	0.8	0	0	11	00	3	0	0	1	3	1	3	20	0
	1730	770	1024.1	936.5	..	16.6	9.7	1.9	7.0	38	-20	1.7	-1.4	2.3	0	0	21	00	1	0	7	7	4	1	1	10	0
DEHRA DUN	0530	682	1017.8	937.6	..	7.1	5.2	3.1	7.6	75	..	0.8	..	0.5	0	0	9	07	0	0	0	0	0	2	0	22	0
	0830	682	1018.9	939.0	+0.3	8.2	6.1	3.4	7.8	71	- 7	1.8	-1.3	0.5	0	0	8	06	1	0	1	0	0	0	0	23	0
	1130	682	1017.3	939.9	..	17.2	11.2	5.3	8.9	46	..	1.8	..	1.4	0	0	17	01	0	0	2	7	6	1	0	14	0
	1730	682	1013.9	936.8	-0.4	17.3	11.9	6.9	9.9	52	- 7	1.8	-1.7	0.7	0	0	9	02	0	0	0	0	2	2	3	22	0
	2330	682	1018.1	938.7	..	9.9	7.4	4.5	8.4	70	..	1.2	..	0.8	0	0	12	07	0	5	0	0	0	0	0	19	0
MANSIARI	0830		..	..	..	6.7	0.5	- 1.2	5.5	27	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	6.7	1.4	- 7.5	3.2	36	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ROORKEE	0830	274	1019.6	986.5	+1.4	7.8	5.9	3.3	7.7	73	-11	1.3	-1.8	0.2	0	0	5	00	0	0	0	0	0	0	0	5	26	0
	1730	274	1016.5	984.7	+1.7	19.6	12.6	6.5	9.7	46	- 8	1.2	-2.1	0.4	0	0	6	00	0	0	0	0	0	0	6	25	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST(CONTD.)																											
MAJIHABAD	0830	270	1019.9	987.1	+1.3	5.8	4.7	3.3	7.7	84	- 5	1.1	-1.2	1.4	0	0	20	05	0	5	0	0	0	8	2	11	0
	1730	270	1015.7	984.4	-0.2	8.3	12.1	5.7	9.1	44	-15	1.0	-1.0	1.5	0	0	20	00	0	1	1	0	0	18	0	11	0
MEERUT	0830	222	1018.8	992.2	+0.3	8.0	5.7	2.9	7.5	69	- 9	0.0	-2.0	2.8	0	0	15	00	0	0	0	0	0	9	6	16	0
BAREILLY	0830	173	1018.5	997.6	+0.7	9.5	7.6	5.3	8.9	75	- 6	1.0	-1.7	4.7	0	0	28	02	2	1	3	0	0	11	9	3	0
	1730	173	1014.7	994.5	+0.1	18.7	13.4	8.5	11.1	52	- 2	1.3	-1.6	2.3	0	0	19	01	0	0	1	0	5	12	0	12	0
BAREILLY P.B.O	0230	172	1016.7	995.9	..	10.0	6.8	3.6	7.9	67	..	0.3	..	2.2	0	0	21	00	1	2	0	0	0	12	6	10	0
	0530	172	1016.4	995.5	..	8.7	6.6	3.9	8.0	72	..	0.3	..	3.0	0	0	22	02	1	2	0	0	1	10	6	9	0
	1130	172	1018.4	998.1	..	17.0	11.5	5.7	9.2	47	..	1.3	..	5.2	0	0	27	00	0	4	3	0	0	9	11	4	0
	1430	172	1015.3	995.3	..	21.3	13.5	5.8	9.2	36	..	1.2	..	6.9	0	2	29	00	0	1	7	1	1	10	11	0	0
	2030	172	1016.8	996.3	..	14.0	9.3	3.7	8.0	50	..	0.3	..	1.2	0	0	14	00	0	0	0	1	1	10	2	17	0
	2330	172	1017.2	996.5	..	12.0	7.9	2.6	7.4	53	..	0.2	..	2.2	0	0	20	00	0	1	0	0	0	10	9	11	0
ALIGARH	0830	187	1019.7	996.6	+1.0	7.9	5.1	1.2	6.7	64	-10	0.9	-1.4	3.5	0	0	27	04	0	0	1	0	1	13	8	4	0
	1730	187	1016.4	994.0	+0.7	17.7	11.7	5.1	8.8	45	- 2	1.9	-0.4	1.6	0	0	18	02	0	0	0	0	0	12	4	13	0
MAINPURI	0830	157	1018.7	999.8	+0.7	8.2	5.7	2.1	7.2	66	-14	0.5	-2.0	1.9	0	0	20	00	1	4	0	0	0	15	0	11	0
	1730	157	1014.9	996.4	-0.2	18.9	12.8	6.5	9.7	45	- 8	0.8	-1.6	1.7	0	0	18	01	3	3	0	0	0	10	1	13	0
AGRA	0830	169	1019.7	999.2	+1.0	8.4	5.5	1.5	6.8	62	-11	0.0	-2.3	1.0	0	0	9	00	0	0	0	0	0	0	9	22	0
	1730	169	1016.0	996.2	+0.5	19.0	12.5	5.6	9.1	42	- 3	0.9	-1.2	1.0	0	0	8	00	1	0	0	0	1	0	6	23	0
AGRA AERODROME	0230	169	1017.6	997.1	..	5.9	4.5	2.5	7.3	79	..	0.4	..	1.5	0	0	7	02	2	0	1	0	0	0	2	24	0
	0530	169	1017.8	997.1	..	4.3	3.2	1.4	6.8	82	..	0.7	..	2.9	0	0	12	03	2	0	1	0	0	3	3	19	0
	0830	169	1019.6	998.9	..	6.7	4.9	2.2	7.2	74	..	0.7	..	4.9	0	0	21	04	0	1	0	1	0	7	8	10	0
	1130	169	1019.3	999.5	..	18.6	11.3	2.6	7.4	36	..	0.9	..	9.7	0	2	25	08	4	0	1	3	1	2	8	4	0
	1730	169	1015.8	996.2	..	18.9	11.8	3.8	8.0	37	..	1.2	..	7.6	0	1	28	11	2	1	1	1	0	4	0	2	0
	2330	169	1018.3	997.9	..	8.2	6.2	3.4	7.8	72	..	0.4	..	1.3	0	0	7	04	0	0	1	0	0	0	2	24	0
ORAI	0830	141	1020.2	1003.5	+1.8	14.5	9.5	3.4	7.8	48	-25	0.6	-1.5	3.5	0	0	31	06	11	0	0	1	0	0	13	0	0
	1730	141	1015.2	998.9	+0.4	21.0	13.1	4.6	8.5	35	-19	0.4	-1.3	2.7	0	0	31	11	9	0	0	0	0	3	8	0	0
JHANSI	0830	251	1019.8	989.9	+1.2	11.8	6.9	- 0.5	5.9	45	-21	0.2	-2.0	0.4	0	0	5	00	0	0	0	0	0	4	1	26	0
	1730	251	1015.1	986.4	+0.8	21.3	12.2	1.8	6.9	27	-12	0.1	-1.9	0.5	0	0	7	01	0	0	0	0	0	6	0	24	0
HARYANA(INCLUDING DELHI AND CHANDIGARH)																											
CHANDIGARH	0830	347	1017.4	975.4	-0.7	8.1	5.4	2.5	7.3	65	-13	1.2	-0.9	1.7	0	0	23	00	0	0	17	0	3	0	3	8	0
	1730	347	1014.7	974.6	+0.1	18.0	11.9	3.0	7.6	32	-26	1.1	-0.8	3.1	0	0	19	00	0	0	3	0	16	0	0	12	0
AMBALA	0830	272	1018.2	985.5	+0.1	7.5	5.2	2.1	7.1	69	-10	1.0	-1.6	0.8	0	0	8	01	0	0	0	0	0	3	4	23	0
	1730	272	1017.0	983.7	+0.1	17.8	11.0	3.2	7.7	38	-14	0.5	-2.1	3.0	0	0	22	00	2	0	11	0	3	2	4	9	0
AMBALA P.B.O	0230	278	1017.6	984.5	..	9.5	6.2	2.4	7.3	62	..	0.7	..	4.1	0	1	14	00	0	0	1	0	0	0	14	16	0
	0530	278	1016.7	983.6	..	7.7	5.2	1.9	7.0	68	..	0.9	..	3.9	0	1	12	00	0	0	0	0	0	0	13	18	0
	1130	278	1018.7	986.1	..	16.2	9.7	3.1	7.6	43	..	1.5	..	4.9	0	2	11	00	0	0	1	1	0	1	10	18	0
	1430	278	1016.0	983.8	..	18.7	10.6	2.2	7.2	33	..	1.5	..	9.5	0	3	26	00	0	0	3	2	4	4	16	2	0
	2030	278	1017.1	984.2	..	13.8	8.2	2.9	7.5	48	..	1.0	..	5.4	0	0	15	00	0	0	0	0	0	2	13	16	0
	2330	278	1017.8	984.6	..	11.5	7.2	2.5	7.3	54	..	0.8	..	5.7	0	0	16	00	0	0	0	1	0	0	15	15	0
AMBALA AERODROME	0530	274	1017.5	984.0	..	4.0	3.0	1.4	6.8	85	..	0.9	..	3.8	0	2	6	01	0	0	0	0	0	0	7	23	0
	0830	274	1019.1	985.6	..	5.5	4.1	2.1	7.1	79	..	1.8	..	4.8	0	1	14	01	0	0	1	0	0	0	11	16	2
	1130	274	1018.4	986.4	..	17.3	10.4	1.9	7.0	36	..	1.5	..	1.5	0	6	17	02	1	1	4	0	1	0	12	8	2
	1730	274	1015.5	983.6	..	17.5	10.9	3.2	7.7	39	..	1.8	..	10.7	0	8	13	01	0	0	0	1	1	0	18	10	0
	2330	274	1018.0	985.1	..	8.0	5.6	2.2	7.2	68	..	0.7	..	5.4	0	3	6	00	0	0	0	0	0	0	9	22	0
KARNAL	0830	249	1019.2	989.1	+1.0	8.1	5.6	1.9	7.0	65	-20	0.9	-1.9	3.3	0	0	28	00	0	0	0	0	0	0	28	3	0
	1730	249	1015.6	986.5	+0.3	17.5	11.4	4.5	8.4	43	- 8	1.0	-2.2	2.2	0	0	19	00	0	0	0	0	0	0	19	12	0
HISSAR	0530	221	1018.4	991.2	..	4.3	3.1	1.3	6.7	81	..	0.8	..	1.9	0	0	14	02	0	1	0	0	1	7	3	17	0
	0830	221	1020.0	992.8	+0.7	4.0	2.7	0.7	6.4	79	+ 4	1.5	-0.8	1.4	0	0	14	01	1	0	1	0	5	6	0	17	0
	1130	221	1019.8	993.8	..	16.7	11.3	5.5	9.0	49	..	1.5	..	3.0	0	0	15	04	0	0	1	1	0	7	2	16	0
	1430	221	1016.9	991.3	..	20.3	13.6	7.0	10.0	43	..	1.6	..	5.0	0	0	21	07	0	0	0	0	0	0	4	10	10
	1730	221	1016.5	990.8	+0.8	19.2	13.4	8.0	10.7	49	+ 5	1.5	-0.7	2.4	0	0	14	03	0	0	0	1	0	1	9	17	0
	2330	221	1018.9	992.1	..	8.5	6.0	2.6	7.4	67	..	0.5	..	1.4	0	0	12	01	0	1	0	0	0	6	4	19	0
NEW DELHI/SAFDARJUNG	0230	216	1018.0	991.7	..	7.5	4.9	0.9	6.5	64	..	0.7	..	5.0	0	0	20	00	0	1	0	1	0	10	8	11	0
	0530	216	1017.7	991.4	..	6.1	3.9	0.4	6.3	68	..	0.9	..	5.2	0	0	20	00	0	1	0	0	0	13	5	11	0
	0830	216	1019.5	993.1	+0.9	6.4	3.9	- 0.2	6.0	64	- 8	1.3	-1.7	7.5	0	0	26	00	0	0	0	1	3	20	2	5	0
	1130	216	1019.3	993.9	..	16.8	9.5	- 0.3	6.0	32	..	1.5	..	12.6	0	6	24	01	0	0	1	1	4	9	14	1	0
	1430	216	1016.2	991.1	..	20.2	11.0	- 1.0	5.6	24	..	1.6	..	14.0	0	8	22	03	0	0	0	0	3	7	17	1	0
	1730	216	1015.8	990.6	+0.7	18.9	10.8	0.6	6.4	30	-11	1.8	-0.9	8.9	0	1	29	04	0	0	1	0	0	3	22	1	0
	2030	216	1017.6	991.8	..	11.9	7.8	2.2	7.2	53	..	1.1	..	4.9	0	0	19	00	1	0	1	0	0	8	9	12	0
	2330	216	1018.3	992.2	..	9.3	6.1	1.3	6.7	59	..	0.9	..	5.3	0	0	18	00	1	0	0	0	1	8	8	13	0
PALAM AERODROME	0230	233	1018.8	990.2	..	6.7	4.0	0.2	6.2	62	..	0.8	..	4.2	0	0	17	02	0	1	3	0	4	5	2	14	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS -

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HARYANA (INCLUDING DELHI AND CHANDIGARH) (CONTD.)																											
PALAM AERODROME (CONTD.)	0530	233	1018.3	990.0	..	4.4	2.3	- 0.9	5.7	69	..	0.6	..	7.6	0	0	25	01	0	1	2	0	15	5	1	6	0
	0830	233	1020.0	991.5	..	5.3	2.8	- 1.6	5.3	63	..	1.5	..	6.8	0	0	25	00	0	0	0	1	17	6	1	6	0
	1130	233	1020.0	991.5	..	15.7	8.8	- 1.0	5.6	33	..	1.6	..	10.4	0	4	22	05	0	0	0	1	1	6	13	5	0
	1430	233	1016.8	989.8	..	19.7	10.5	- 2.6	4.9	23	..	1.7	..	13.8	0	8	20	09	1	1	0	1	1	2	13	3	0
	1730		1016.1	984.0	..	18.4	10.2	- 1.0	5.6	28	..	1.6	..	8.8	0	4	23	15	1	0	1	0	1	1	8	4	0
	2030		1018.0	990.3	..	11.8	6.9	1.0	6.6	48	..	1.0	..	5.1	0	0	18	01	2	1	2	0	0	4	8	13	0
	2330	233	1018.7	990.7	..	9.0	5.3	0.6	6.4	54	..	0.9	..	4.4	0	0	15	02	0	1	2	0	1	3	5	16	1
PUNJAB																											
PATHANKOT	0530	312	1018.1	980.3	..	5.2	4.1	2.5	7.3	83	..	1.9	..	2.2	0	0	10	02	4	0	0	1	3	0	0	21	0
	0830	312	1019.4	981.7	+0.9	6.5	4.9	2.8	7.5	77	- 7	2.0	-1.9	2.4	0	0	8	00	4	3	0	1	0	0	0	23	0
	1130	312	1019.2	982.7	..	16.3	9.9	2.0	7.1	40	..	2.7	..	2.8	0	0	11	00	1	3	1	1	4	1	0	20	0
	1730	312	1016.7	979.9	+0.0	17.0	10.6	2.8	7.5	40	-21	2.6	-2.0	7.0	0	0	23	02	1	0	0	1	4	13	2	8	0
	2330	312	1019.0	981.3	..	6.9	5.4	3.4	7.8	78	..	2.0	..	1.6	0	0	7	01	2	1	1	1	1	0	0	24	0
AMRITSAR	0530	234	1018.5	989.6	..	3.0	1.9	0.0	6.1	81	..	1.3	..	4.8	0	0	18	01	3	3	0	0	1	6	4	13	0
	0830	234	1019.8	991.0	+0.8	3.2	2.1	0.1	6.1	80	-12	1.7	-1.4	1.9	0	0	8	00	1	1	1	0	1	1	3	23	0
	1130	234	1020.0	992.3	..	15.2	9.0	0.7	6.4	38	..	1.9	..	7.0	0	4	15	00	0	0	1	0	1	6	11	12	0
	1430	234	1017.1	989.9	..	19.2	10.0	- 3.6	4.5	22	..	1.8	..	9.7	0	2	24	03	0	0	1	2	2	7	11	5	0
	1730	234	1016.6	989.2	+0.7	17.0	9.9	0.9	6.5	35	-26	2.0	-1.4	5.7	0	0	21	02	0	0	1	0	2	4	12	10	0
	2030	234	1018.4	990.2	..	9.7	6.3	1.5	6.8	57	..	1.8	..	4.3	0	1	13	00	0	0	0	0	2	3	9	17	0
ADAMPUR AERODROME	0830	249	1019.8	989.2	..	2.9	2.3	1.5	6.8	90	..	1.7	..	0.4	0	0	3	01	0	0	1	0	0	0	1	28	0
	1730	249	1016.7	987.6	..	15.9	10.7	4.6	8.5	47	..	2.0	..	6.2	0	0	26	01	0	0	0	1	0	12	12	5	0
LUDHIANA	0830	247	1019.3	989.3	+0.7	5.3	3.7	2.0	7.0	77	- 6	1.5	-1.4	1.2	0	0	15	00	1	0	1	0	0	0	13	16	0
	1730	247	1015.9	987.2	+0.3	18.5	11.1	2.8	7.5	34	-19	1.6	-1.4	2.9	0	0	25	01	3	0	0	0	1	1	19	6	0
FEROZEPUR	0830	200	1019.6	995.1	+0.9	6.0	4.4	2.2	7.2	78	-11	1.4	-1.1	1.3	0	0	15	01	0	0	1	2	0	3	8	16	0
	1730	200	1017.3	993.8	+1.4	17.2	10.7	2.2	7.2	37	-18	0.9	-2.0	2.0	0	0	21	12	0	0	2	0	0	1	6	10	0
HALWARA AERODROME	0530	242	1018.6	988.8	..	1.8	1.0	- 0.3	6.0	86	..	0.7	..	3.2	0	0	12	02	1	0	0	0	0	0	9	19	0
	0830	242	1019.7	990.1	..	3.9	2.9	1.4	6.8	83	..	1.7	..	2.5	0	0	11	02	0	1	0	0	0	0	8	20	0
	1130	242	1019.5	991.2	..	16.4	9.5	0.3	6.2	34	..	1.9	..	11.2	0	1	27	08	0	2	1	2	0	3	12	3	0
	1730	242	1016.6	988.3	..	16.2	9.5	0.8	6.5	35	..	1.9	..	8.5	0	0	27	03	0	0	0	0	1	9	14	4	0
	2330	242	1019.2	989.6	..	4.8	3.2	0.8	6.5	76	..	0.8	..	3.9	0	0	17	03	1	1	0	0	0	0	12	14	0
PATIALA	0830	251	1019.6	989.4	-8.6	7.6	5.2	2.1	7.1	66	-44	1.5	+0.2	4.3	0	0	11	04	0	1	0	0	0	0	6	20	0
	1730	251	1016.2	987.0	-2.0	17.2	11.0	4.2	8.2	43	-10	1.8	+0.8	5.3	0	1	14	05	0	0	0	0	0	0	10	16	0
BHATINDA	0830	211	1019.8	994.3	..	8.8	5.4	0.1	6.1	55	-21	0.9	-0.7	0.5	0	0	5	00	1	0	0	0	0	0	4	26	0
	1730	211	1016.7	991.9	..	17.3	11.0	3.8	8.0	40	-14	0.1	-0.9	1.6	0	0	18	00	0	0	0	0	0	0	18	13	0
HIMACHAL PRADESH																											
MANDI	0830	761	1023.0	932.6	+1.7	4.4	3.6	2.4	7.3	87	- 8	2.3	-2.6	..	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	761	1014.4	928.5	+0.5	15.5	10.1	3.6	7.9	46	-15	3.0	-1.1	..	0	0	0	00	0	0	0	0	0	0	0	31	0
BILASPUR	0830	587	1021.8	952.2	+0.7	5.8	5.1	4.2	8.2	89	- 7	2.7	-3.9	..	0	0	3	00	0	0	1	2	0	0	0	28	0
	1730	587	1015.7	949.0	+0.3	17.5	12.5	8.1	10.8	55	- 3	1.7	-2.6	..	0	0	11	00	2	2	1	0	6	0	0	20	0
JAMMU AND KASHMIR																											
MISGAR	0830		(R)																								
	1730		(R)																								
GILGIT	0830		(R)																								
	1730		(R)																								
SKARDU	0830		(R)																								
	1730		(R)																								
LEH	0530	3514	(R)																								
	0830		..	..	..	- 8.2	..	..	..	..	..	3.2	-2.0	3.6	0	0	31	00	0	0	0	0	29	2	0	0	0
	1730	3514	..	..	..	- 6.2	..	..	..	..	..	3.1[a]	-1.4	3.9[a]	0	0	30	00	0	0	0	0	23	6	1	0	0
SRINAGAR	0830	1587	1553.3	846.6	+0.9	- 1.6	- 2.0	- 2.8	4.8	91	+ 3	7.1	+0.0	1.8	0	0	16	00	0	1	10	0	0	0	5	15	0
	1130	1587	1560.9	847.5	..	1.1	- 0.3	- 2.3	5.0	79	..	6.5	..	2.1	0	0	24	00	3	0	13	0	1	0	6	7	1
	1430	1587	1541.1	845.4	..	3.0	0.9	- 2.0	5.2	71	..	5.9	..	2.5	0	0	27	00	3	1	10	2	2	1	8	4	0
	1730	1587	1535.8	844.8	+0.6	2.2	0.5	- 2.2	5.1	74	- 4	4.2	-1.9	2.7	0	0	24	00	1	1	7	0	1	5	9	7	0
	2030	1587	1543.7	845.6	..	0.0	- 0.9	- 2.2	5.1	85	..	3.7	..	2.2	0	0	18	02	2	0	5	0	0	0	9	13	0
SRINAGAR AERODROME	0530	1666	1549.8	837.5	..	- 2.5	- 3.0	- 3.7	4.5	90	..	6.2	..	1.7	0	0	8	00	1	1	0	5	1	0	0	23	0
	0830	1666	1552.9	838.5	..	- 2.1	- 2.8	- 3.9	4.4	79	..	6.2	..	1.7	0	0	9	00	1	0	1	4	1	0	2	22	0
	1130	1666	1564.3	839.6	..	0.7	- 0.7	- 2.8	4.8	79	..	5.7	..	2.2	0	0	12	01	1	3	2	1	1	2	1	19	0
	1730	1666	1536.9	837.0	..	1.7	0.2	- 2.0	5.1	76	..	4.0	..	2.8	0	0	12	00	3	1	1	1	0	1	5	19	0
	2330	1666	1549.5	838.1	..	- 1.8	- 2.4	- 3.7	4.5	87	..	4.0	..	1.8	0	0	10	01	1	0	1	1	1	2	3	21	0
GULMARG	0830	2655	Functions during June to September only every year																								

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lst. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, WEST(CONTD)																											
RAJGARH (CONTD.)	1730	382	1013.3	970.2	+0.7	24.5	13.7	1.7	7.0	24	- 5	0.2	-1.5	6.1	0	0	30	13	5	0	0	1	0	3	8	1	0
SAGAR	0830	551	1018.5	954.5	+0.7	13.3	9.1	4.6	8.5	57	+ 4	1.0	-1.4	6.3	0	0	31	00	3	5	0	0	8	12	3	0	0
	1730	551	1013.7	952.0	+1.0	22.3	13.4	4.8	8.9	34	- 4	0.7	-1.9	6.9	0	0	30	00	8	9	0	0	1	6	6	1	0
RATLAM	0830	486	1018.5	961.6	+0.9	12.2	7.2	0.9	6.6	47	-17	0.1	-2.0	15.2	0	8	23	06	17	6	1	0	0	0	1	0	0
	1730	486	1013.1	958.7	+0.7	24.3	14.8	6.6	9.9	32	- 5	1.0	-1.5	6.8	0	0	28	04	15	3	0	0	1	2	3	3	0
BHOPAL (BAIRAGARH)	0230	523	1016.3	955.2	..	11.6	6.4	1.1	5.9	43	..	0.2	..	9.2	0	1	27	14	12	0	0	0	0	1	1	3	0
	0530	523	1016.5	955.2	..	10.5	5.9	1.0	6.0	47	..	0.4	..	8.3	0	1	25	11	11	0	1	0	1	0	2	5	0
	0830	523	1018.4	957.4	+0.1	12.6	7.0	- 0.8	6.0	42	-18	0.6	-1.5	9.4	0	2	28	12	12	2	2	1	0	0	1	1	0
	1130	523	1016.8	957.5	..	20.6	11.2	0.4	6.5	28	..	0.5	..	12.5	0	2	28	04	13	8	4	0	0	1	0	1	0
	1430	523	1013.0	954.6	..	24.3	13.0	0.7	6.8	23	..	0.8	..	10.5	0	2	29	07	11	4	1	3	1	1	3	0	0
	1730	523	1012.9	954.4	+0.1	23.4	12.4	0.4	6.4	23	-12	0.8	-1.2	7.5	0	0	27	10	6	0	1	0	2	4	4	4	0
	2030	523	1016.0	956.1	..	17.0	9.5	0.3	6.5	31	..	0.5	..	8.7	0	0	30	10	13	1	0	2	0	0	4	1	0
	2330	523	1016.8	956.2	..	14.0	7.3	- 1.1	5.3	36	..	0.4	..	9.7	0	0	28	15	10	0	0	1	0	0	2	3	0
UJJAIN	0830	489	1018.9	961.1	..	9.5	5.8	1.0	6.6	56	..	0.9	..	1.9	0	0	11	02	5	4	0	0	0	0	0	20	0
	1730	489	1012.8	958.0	..	24.2	13.6	3.0	7.9	27	..	0.8	..	5.1	0	1	20	01	8	5	0	0	0	3	4	10	0
NARSINGHPUR	0830	356	1018.4	976.4	..	10.7	7.9	4.3	8.4	65	..	0.8	..	1.2	0	0	15	00	12	0	1	0	1	0	1	16	0
	1730	356	1012.4	972.5	..	25.8	16.8	8.9	11.9	36	..	0.6	..	2.4	0	0	28	00	15	0	0	0	3	0	10	3	0
HOSHANGABAD	0830	302	1017.8	982.3	+0.3	14.2	8.9	1.9	7.2	44	-18	0.5	-1.6	1.9	0	0	26	00	0	0	1	0	25	0	0	1	0
	1730	302	1012.0	977.9	-0.5	24.9	15.6	6.1	10.2	33	- 4	0.2	-2.2	2.1	0	0	26	00	7	0	13	0	6	0	0	1	0
INDORE	0530	567	1016.7	950.0	..	9.0	5.1	- 0.6	6.0	52	..	0.1	..	6.8	0	0	29	02	16	7	1	0	1	1	1	2	0
	0830	567	1018.2	952.1	+0.5	11.6	6.5	- 0.5	6.0	45	-18	0.4	-1.5	5.1	0	0	23	00	12	8	0	2	0	1	0	8	0
	1130	567	1016.0	952.3	..	21.9	12.3	2.2	7.4	29	..	0.5	..	11.2	0	2	27	01	9	14	1	1	3	0	0	2	0
	1730	567	1012.2	949.2	+0.5	24.3	13.2	1.6	7.1	24	- 7	0.6	-1.6	11.9	0	2	28	10	14	0	0	0	2	3	1	1	0
	2330	567	1016.9	951.1	..	13.0	7.4	0.8	6.3	42	..	0.1	..	8.5	0	1	28	03	16	6	0	0	1	2	1	2	0
RAJPUR (JHABUA)	0830	293	1017.8	983.2	+0.5	12.6	7.4	- 0.4	6.1	42	-23	0.3	-1.4	2.5	0	0	23	00	0	20	0	0	1	2	0	8	0
	1730	293	1012.4	979.6	+0.6	26.9	14.8	1.5	7.1	20	-10	0.4	-1.1	4.6	0	0	30	01	1	7	0	0	0	21	0	1	0
CHHINDWARA	0830	685	1017.7	938.8	-0.4	12.9	9.1	5.0	8.8	60	- 7	0.8	-1.2	1.1	0	0	9	02	2	3	0	0	0	0	2	22	0
	1730	685	1011.3	935.9	-0.2	24.7	15.8	8.8	11.5	37	+ 0	1.5	-0.9	3.3	0	0	25	07	2	3	0	3	0	9	1	6	0
SEONI	0830	619	1017.2	946.2	+0.0	14.9	9.9	4.4	8.6	51	-12	0.9	-1.3	6.3	0	0	23	09	10	0	1	1	1	0	1	8	0
	1730	619	1011.7	943.3	-0.1	24.5	14.5	5.6	9.3	31	-10	0.8	-1.7	7.1	0	0	30	04	8	3	3	5	2	3	2	1	0
BETUL	0830	653	1017.1	942.4	-0.1	15.4	9.7	3.3	8.0	45	-19	0.4	-1.8	1.8	0	0	17	00	6	7	4	0	0	0	0	14	0
	1730	653	1011.4	939.3	-0.2	24.5	13.5	2.1	7.5	25	-12	0.6	-1.7	4.1	0	0	29	07	9	1	1	1	0	2	8	2	0
KHANDWA	0830	318	1017.4	980.0	+0.8	14.1	8.9	1.6	7.3	44	-12	0.3	-1.4	2.1	0	0	20	02	14	1	0	0	0	0	3	11	0
	1730	318	1011.7	976.2	+0.3	27.4	15.7	3.4	8.4	24	- 5	0.5	-1.4	4.5	0	0	31	05	15	0	1	1	2	1	6	0	0
MADHYA PRADESH, EAST																											
SATNA	0530	317	1017.0	979.0	..	8.1	5.7	2.3	7.2	68	..	0.2	..	0.5	0	0	6	00	0	0	0	1	2	3	0	25	0
	0830	317	1018.8	981.2	+0.7	11.9	7.8	2.2	7.3	53	-18	0.8	-1.5	0.9	0	0	14	00	1	4	0	1	0	7	1	17	0
	1130	317	1017.7	981.1	..	19.8	11.3	0.7	6.6	30	..	0.7	..	3.4	0	0	30	02	5	11	2	1	0	4	5	1	0
	1430	317	1014.3	978.2	..	23.1	12.7	- 0.1	6.3	24	..	0.6	..	4.0	0	0	27	02	6	2	3	0	4	1	9	4	0
	1730	317	1014.5	978.1	+0.6	20.5	12.1	2.4	7.4	31	-14	0.5	-1.9	2.6	0	0	21	14	0	2	1	0	0	1	3	10	0
	2330	317	1017.3	979.8	..	11.8	7.8	2.5	7.4	55	..	0.0	..	0.9	0	0	9	00	0	1	1	0	2	4	1	22	0
REWA	0830	299	1018.5	982.8	..	9.7	6.9	3.1	7.7	65	..	0.9	..	1.2	0	0	16	01	3	0	1	1	8	1	1	15	0
	1730	299	1013.9	979.8	..	21.9	12.6	1.7	7.1	29	..	0.6	..	2.9	0	0	27	06	8	3	0	0	0	0	10	4	0
SIDHI	0830	1272	1018.0	985.6	+0.2	10.6	8.0	4.8	8.7	68	- 5	1.1	-0.4	0.2	0	0	3	00	0	0	0	1	0	2	0	28	0
	1730	272	1013.2	982.3	+0.1	22.4	14.4	6.3	9.9	38	- 8	0.6	-1.0	1.7	0	0	22	18	0	1	0	0	0	3	0	9	0
UMARIA	0830	459	1018.8	964.8	+0.5	11.3	7.6	3.2	7.7	58	-14	1.5	-1.0	0.8	0	0	11	02	0	5	2	1	1	0	0	20	0
	1730	459	1013.3	961.5	+0.1	22.8	13.2	3.9	8.2	31	-18	1.1	-1.4	3.5	0	0	31	21	2	0	0	0	0	2	6	0	0
JABALPUR	0530	393	1016.7	970.1	..	9.4	7.4	4.9	8.7	75	..	0.5	..	1.4	0	0	12	00	6	1	3	1	0	0	1	19	0
	0830	393	1018.5	972.3	+0.4	12.6	9.0	4.5	8.6	59	-15	0.6	-1.7	1.8	0	0	13	03	2	2	3	2	1	0	0	18	0
	1130	393	1016.7	972.0	..	21.0	13.1	4.6	8.7	39	..	0.8	..	4.6	0	0	27	05	10	3	1	0	1	0	7	4	0
	1430	393	1012.9	968.8	..	25.2	14.9	4.4	8.6	29	..	0.7	..	5.5	0	0	30	12	9	0	1	0	1	3	4	1	0
	1730	393	1013.1	968.7	+0.2	22.9	14.9	7.3	10.4	38	- 5	0.6	-1.6	3.0	0	0	24	10	10	0	0	0	0	1	3	7	0
	2030	393	1016.0	970.5	..	16.3	11.9	7.4	10.4	56	..	0.3	..	1.8	0	0	14	02	4	5	1	1	0	1	0	17	0
	2330	393	1016.7	970.8	..	13.7	9.9	5.7	9.1	60	..	0.4	..	2.0	0	0	13	02	8	2	1	0	0	0	0	18	0
AMBIKAPUR	0830	611	1018.3	947.6	-0.3	12.9	9.9	5.7	10.1	67	-10	1.0	-0.7	2.3	0	0	15	08	2	1	0	0	2	0	2	16	0
	1730	611	1013.0	944.8	-0.1	21.8	13.1	5.4	8.8	37	- 9	1.8	+0.0	9.9	0	4	27	16	7	1	0	0	2	1	4	0	0
JASHPURNAGAR	0830	11779	1017.8	929.5	..	15.1	11.2	7.4	10.5	62	..	1.1	..	1.4	0	0	20	00	11	0	0	0	1	0	8	11	0
	1730	779	1011.9	925.9	..	21.4	14.4	8.5	11.3	46	..	3.0	..	2.3	0	0	28	00	5	1	1	0	16	0	5	3	0
PENDRA	0530	625	1016.4	944.2	..	12.3	8.7	4.6	8.7	60	..	0.6	..	3.5	0	0	23	16	1	0	0	0	2	1	3	8	0
	0830	625	1017.8	946.2	-0.1	15.2	10.2	4.9	8.8	52	-12	0.5	-1.7	4.7	0	0	17	14	0	0	0	2	0	0	1	14	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																											
PENDRA (CONTD.)	1130	625	1015.7	945.8	..	21.6	13.6	6.2	9.7	39	..	0.9	..	7.7	0	3	22	11	2	2	2	5	2	0	1	6	0
	1430	625	1012.1	943.0	..	24.3	14.7	6.1	9.6	33	..	1.4	..	9.5	0	2	27	13	4	0	1	6	3	0	1	2	1
	1730	625	1012.8	943.1	-0.3	21.9	13.8	6.3	9.9	38	-10	1.5	-1.2	5.2	0	0	25	10	5	0	0	8	0	0	2	6	0
	2330	625	1016.4	945.0	..	15.5	10.3	4.7	8.8	51	..	0.5	..	3.5	0	0	24	09	3	0	0	1	2	2	7	7	0
MANDLA	0830	443	1018.1	966.4	+0.0	13.0	9.4	5.3	8.9	60	-25	0.6	-1.9	0.8	0	0	3	03	0	0	0	0	0	0	0	28	0
	1730	443	1012.2	962.7	-0.1	24.4	14.4	3.7	8.4	28	-17	0.5	-1.9	2.3	0	0	15	07	0	0	0	2	0	0	6	16	0
CHAMPA	0830	245	1017.3	988.5	-0.4	16.4	12.1	7.6	10.7	58	-10	1.1	-0.8	3.3	0	0	26	13	8	3	0	0	0	0	2	5	0
	1730	245	1012.5	984.9	-0.4	26.2	16.7	8.2	11.3	36	- 3	1.9	-0.2	3.0	0	0	27	08	2	5	0	1	1	8	2	4	0
RAIGARH	0830	220	1017.3	991.7	+0.1	18.4	13.6	9.0	11.7	56	- 9	1.2	-0.7	4.1	0	0	31	00	30	0	1	0	0	0	0	0	0
	1730	220	1012.6	987.6	+0.1	25.3	17.1	10.4	12.9	41	+ 2	2.1	+0.4	2.1	0	0	22	04	5	0	6	1	4	1	0	9	0
RAIPUR	0530	298	1014.8	979.9	..	15.3	12.3	9.4	11.9	69	..	1.1	..	1.4	0	0	11	02	4	3	0	2	0	0	0	20	0
	0830	298	1016.9	982.3	-0.3	18.0	13.5	9.0	11.8	56	- 6	1.3	-0.3	3.5	0	0	25	07	12	2	2	2	0	0	0	6	0
	1130	298	1015.9	982.0	..	24.4	16.4	9.2	12.1	41	..	1.1	..	4.8	0	0	28	02	14	0	6	4	0	1	1	3	0
	1430	298	1012.4	978.9	..	27.0	17.2	8.8	11.7	34	..	1.4	..	5.6	0	0	31	04	12	4	1	1	1	4	4	0	0
	1730	298	1012.4	978.9	-0.3	25.7	16.8	9.1	11.9	37	- 2	1.8	+0.4	3.0	0	0	22	07	6	4	0	2	0	1	2	9	0
	2030	298	1014.7	980.6	..	21.3	15.4	10.3	12.7	51	..	1.0	..	2.3	0	0	17	00	4	5	4	2	1	1	0	14	0
	2330	298	1015.1	980.7	..	19.3	14.4	9.9	12.4	56	..	1.2	..	3.1	0	0	21	04	0	9	1	3	2	1	1	10	0
KANKER	0830	402	1016.6	970.4	-0.4	18.1	14.3	11.0	13.1	64	- 8	1.5	-0.4	1.0	0	0	10	01	3	0	1	1	3	1	0	21	0
	1730	402	1011.5	966.8	-0.4	26.1	17.0	9.3	12.0	37	- 4	2.3	+0.1	1.1	0	0	11	05	2	0	1	0	0	3	0	20	0
JAGDALPUR	0530	553	1014.5	951.0	..	14.1	12.6	11.3	13.5	83	..	1.9	..	0.5	0	0	4	00	3	0	1	0	0	0	0	27	0
	0830	553	1016.1	953.2	-0.6	17.5	14.2	11.7	13.7	69	- 4	2.5	+1.0	0.6	0	0	3	00	3	0	0	0	0	0	0	28	0
	1130	553	1013.7	952.5	..	25.1	17.1	11.3	13.7	43	..	2.6	..	3.7	0	0	20	02	12	0	2	1	0	1	2	11	0
	1430	553	1010.1	949.6	..	27.4	17.6	10.4	12.9	36	..	3.0	..	4.9	0	0	27	03	14	1	1	2	4	0	2	4	0
	1730	553	1010.9	949.8	-0.5	25.0	17.3	11.8	14.1	45	+ 4	2.7	+0.5	2.3	0	0	14	02	8	1	1	0	2	0	0	17	0
	2030	553	1013.9	951.8	..	20.5	15.4	12.2	13.7	60	..	1.5	..	0.8	0	0	5	01	3	1	0	0	0	0	0	26	0
	2330	553	1014.6	951.9	..	17.7	14.5	12.0	14.2	69	..	1.6	..	0.8	0	0	5	00	4	1	0	0	0	0	0	26	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																											
DEESA	0830	136	1018.1	1001.6	+1.1	9.7	5.0	- 3.9	4.9	43	-16	0.0	-1.7	7.0	0	0	31	00	26	1	0	0	0	0	4	0	0
	1730	136	1014.3	998.7	+1.2	24.6	13.1	0.3	5.8	19	-10	0.0	-1.6	7.7	0	7	24	03	11	0	0	1	0	5	11	0	0
RADHANPUR	0830	30	1017.8	1014.8	+1.7	11.6	6.3	- 1.2	5.2	44	-23	0.0	-0.8	2.6	0	0	30	20	0	4	0	5	0	0	1	1	0
	1730	30	1014.3	1010.8	+0.6	25.4	13.5	1.1	5.9	24	-18	0.0	-0.7	3.4	0	0	30	19	1	1	0	0	1	2	6	1	0
IDAR	0830	219	1017.1	991.4	+0.4	17.2	8.5	- 6.0	3.9	21	-21	0.0	-1.3	5.5	0	1	24	08	14	1	0	0	0	1	1	6	0
	1730	219	1013.3	988.4	+0.5	25.7	13.0	- 4.1	5.0	15	-13	0.4	-0.9	2.5	0	0	23	01	1	0	5	0	1	10	5	8	0
AHMADABAD	0230	55	1015.3	1008.7	..	13.1	7.7	- 0.1	6.2	41	..	0.1	..	7.0	0	0	25	07	13	1	0	0	0	0	4	6	0
	0530	55	1015.1	1008.5	..	11.2	6.6	- 0.2	6.1	46	..	0.1	..	6.8	0	0	25	07	10	4	0	0	0	0	4	6	0
	0830	55	1017.0	1010.4	+0.6	12.2	7.0	- 1.1	5.9	41	-14	0.4	-0.9	7.3	0	0	27	04	10	10	0	0	0	1	2	4	0
	1130	55	1017.6	1011.1	..	23.1	12.7	- 0.2	6.3	23	..	0.3	..	17.6	0	12	18	01	7	19	1	0	0	0	2	1	0
	1430	55	1014.3	1008.0	..	27.1	14.5	- 0.3	6.3	18	..	0.5	..	13.3	0	5	25	03	9	10	1	0	0	3	4	1	0
	1730	55	1013.5	1007.3	+0.6	26.5	14.2	- 0.7	6.3	18	-10	0.5	-1.0	11.6	0	0	31	08	11	4	0	0	0	1	7	0	0
	2030	55	1015.4	1008.9	..	18.8	11.5	3.2	7.7	36	..	0.3	..	5.5	0	0	21	07	5	1	0	0	0	0	8	10	0
	2330	55	1015.8	1009.3	..	15.2	9.2	1.1	6.9	39	..	0.1	..	4.0	0	0	14	07	4	1	0	0	0	0	2	17	0
DOHAD	0830	333	1017.9	978.7	+0.6	13.2	6.9	- 3.3	4.8	33	-24	0.3	-1.3	5.9	0	0	31	01	11	10	6	3	0	0	0	0	0
	1730	333	1012.4	975.2	+0.3	26.3	14.2	- 0.1	5.8	19	-14	0.4	-0.5	9.4	0	3	27	02	13	3	1	0	2	5	4	1	0
VALLABH VIDYANAGAR	0830	44	1016.5	1011.1	..	10.9	6.7	0.6	6.4	50	..	0.1	..	9.1	0	1	28	08	17	0	0	0	0	1	3	2	0
	1730	44	1013.1	1007.8	..	27.1	14.9	2.8	7.1	22	..	0.5	..	8.5	0	1	30	08	9	0	0	0	1	1	12	0	0
BARODA AERODROME	0830	38	1016.6	1012.0	+0.4	13.8	9.7	4.6	8.8	55	- 5	0.5	-0.8	6.8	0	0	25	21	4	0	0	0	0	0	0	6	0
	1130	38	1016.8	1012.4	..	25.1	16.8	9.7	12.4	40	..	0.3	..	10.6	0	6	20	12	9	2	0	0	1	0	2	5	0
	1730	38	1013.0	1008.7	+0.5	27.4	18.4	11.3	13.8	39	+ 8	0.5	-0.9	8.3	0	2	28	12	6	0	0	0	0	10	1	1	1
BARODA	0530	34	1014.6	1010.4	..	12.9	8.4	2.3	7.4	50	..	0.0	..	3.2	0	0	21	01	20	0	0	0	0	0	0	10	0
	0830	34	1016.7	1012.4	+0.6	13.1	8.4	2.2	7.3	49	-20	0.1	-1.1	3.0	0	0	22	01	21	0	0	0	0	0	0	9	0
1017.0	1130	34	~~1011.7~~	1012.9	..	25.4	14.7	3.6	8.1	25	..	0.1	..	4.1	0	0	23	00	23	0	0	0	0	0	0	8	0
	1730	34	1012.9	1008.9	+0.4	27.9	16.1	4.7	8.8	23	-13	0.2	-1.0	4.6	0	0	29	02	13	0	0	0	0	1	13	2	0
	2330	34	1015.4	1011.2	..	17.9	11.3	3.6	8.1	40	..	0.0	..	2.8	0	0	21	00	21	0	0	0	0	0	0	10	0
BROACH	0830	17	..	..	..	..	..	..	..	..	..	0.0	-1.1	5.9	0	0	31	00	24	2	3	0	0	0	2	0	0
	1730	17	..	..	..	..	..	..	..	..	..	0.0	-1.1	6.5	0	0	31	02	25	1	1	0	0	0	2	0	0
SURAT	0530	12	1013.6	1012.2	..	14.1	10.2	5.8	9.3	58	..	0.0	..	7.9	0	0	31	00	23	0	2	0	0	0	6	0	0
	0830	12	1015.9	1014.5	+0.6	14.6	10.3	5.8	9.0	56	- 7	0.2	-1.5	6.6	0	0	30	00	22	0	3	0	0	0	5	1	0
	1130	12	1016.3	1014.9	..	25.3	15.7	6.8	10.1	32	..	0.3	..	10.8	0	4	26	00	19	0	2	0	0	0	9	1	0
	1730	12	1012.9	1011.1	+0.3	27.9	17.5	9.0	11.5	31	-10	0.2	-1.5	10.9	0	0	31	00	6	0	0	0	1	0	24	0	0
	2330	12	1014.8	1013.4	..	18.5	12.6	6.3	9.8	47	..	0.1	..	8.8	0	0	31	00	27	0	0	0	0	0	4	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SAURASHTRA AND KUTCH (INCLUDING DIU)																											
NALIYA	0830	21	1018.1	1015.5	+1.1	8.2	5.7	1.7	7.2	62	- 2	0.5	-0.9	7.3	0	2	25	14	9	4	0	0	0	0	0	4	0
	1730	21	1014.8	1012.3	+0.8	23.3	16.6	9.0	13.5	42	+16	0.7	-0.4	10.5	0	2	29	12	9	0	0	1	4	4	1	0	0
BHUJ (RUDRAMATA)	0230	80	1016.6	1006.8	..	11.0	6.3	- 2.4	5.8	41	..	0.1	..	0.2	0	0	1	00	1	0	0	0	0	0	0	30	0
	0530	80	1016.4	1006.6	..	9.3	5.3	- 1.7	5.3	49	..	0.1	..	0.3	0	0	1	00	1	0	0	0	0	0	0	30	0
	0830	80	1018.1	1008.4	+1.1	9.5	5.4	- 2.0	5.8	48	+ 3	0.4	-0.9	0.8	0	0	3	00	2	0	0	0	0	1	0	28	0
	1130	80	1018.7	1009.3	..	19.9	10.8	- 2.3	5.6	25	..	0.3	..	10.4	0	4	17	03	15	1	0	0	0	0	2	10	0
	1430	80	1015.6	1006.3	..	24.6	12.3	- 5.7	4.2	16	..	0.4	..	16.8	0	12	14	07	16	3	0	0	0	0	0	5	0
	1730	80	1014.9	1005.6	+1.1	24.7	12.2	- 5.9	4.0	14	-10	0.6	-0.6	16.2	0	12	13	06	17	1	0	0	0	0	1	6	0
	2030	80	1016.7	1007.2	..	18.2	10.0	- 0.4	5.7	28	..	0.2	..	3.2	0	0	10	03	5	0	0	0	0	0	2	21	0
	2330	80	1017.2	1007.6	..	14.0	7.7	- 2.4	5.4	34	..	0.0	..	3.4	0	0	10	03	4	0	0	0	0	3	0	21	0
KANDLA AERODROME	0830	35	1018.1	1013.9	..	13.9	7.4	- 3.5	5.0	31	..	0.1	..	18.3	0	10	20	11	0	0	0	0	0	0	19	1	0
	1130	35	1018.3	1014.2	..	23.0	11.8	- 4.0	4.7	17	..	0.2	..	21.8	0	15	16	23	4	0	0	0	0	1	3	0	0
	1730	35	1014.6	1010.6	..	25.9	13.2	- 4.2	4.8	15	..	0.6	..	22.4	0	15	16	23	1	1	0	0	1	0	5	0	0
NEW KANDLA	0830	14	1018.1	1016.4	+0.7	12.3	6.9	- 1.8	5.6	39	-16	0.8	-0.4	13.1	0	4	27	21	8	0	0	0	1	0	1	0	0
	1730	14	1015.2	1013.5	+0.9	22.9	13.8	3.8	8.4	31	- 5	1.0	-0.3	16.4	0	9	21	12	12	1	0	1	3	1	0	1	0
MANDVI	0830	9	1017.8	1016.7	+0.8	13.2	8.4	2.3	7.2	44	-21	0.7	-0.7	16.4	0	6	25	20	8	0	0	0	0	0	3	0	0
	1730	9	1015.2	1014.1	+1.1	22.9	16.8	12.7	14.2	57	- 2	1.3	-0.2	17.4	0	8	23	01	5	0	2	2	15	6	0	0	0
SURENDRANAGAR	0830	74	1017.4	1008.5	+1.1	13.9	8.3	0.2	6.5	42	-14	0.2[a]	-1.1	6.3[a]	0	1	26	12	6	0	0	0	0	2	7	3	0
	1730	74	1013.6	1005.1	+0.9	26.7	15.1	2.8	7.8	22	- 8	0.7	-0.8	11.0	0	4	25	17	5	0	0	0	0	0	7	2	0
OKHA	0530	7	1015.6	1014.8	..	18.9	13.5	8.1	11.2	52	..	0.0	..	27.0	0	23	8	10	16	2	0	0	0	0	3	0	0
	0830	7	1017.7	1016.9	..	18.7	13.3	8.8	10.9	50	..	0.7	..	23.4	0	20	11	05	17	6	0	0	0	0	3	0	0
	1130	7	1018.8	1018.0	..	20.5	14.1	7.9	10.9	45	..	0.3	..	18.7	0	15	16	02	14	12	0	0	0	0	3	0	0
	1730	7	1015.3	1014.5	..	21.7	16.2	11.6	13.9	54	..	0.5	..	14.5	0	8	23	09	3	4	0	0	0	2	13	0	0
	2330	7	1017.2	1016.4	..	19.9	15.0	10.3	13.1	57	..	0.0	..	23.1	0	16	15	15	6	0	0	0	0	1	9	0	0
JAMNAGAR AERODROME	0530	20	1015.5	1013.0	..	10.0	7.6	4.4	8.5	70	..	0.0	..	11.8	0	3	25	02	10	6	5	1	1	1	2	3	0
	0830	20	1017.2	1014.7	+0.7	10.4	7.1	2.2	7.4	59	- 1	0.5	-1.1	12.5	0	2	29	00	6	11	8	4	0	1	1	0	0
	1130	20	1017.9	1015.6	..	20.1	13.1	5.6	9.4	40	..	0.4	..	18.0	0	11	20	04	17	7	1	0	0	1	1	0	0
	1730	20	1014.3	1012.0	+1.2	23.9	15.0	6.1	9.9	34	- 3	0.5	-0.7	18.7	0	14	17	09	16	0	0	0	0	3	3	0	0
	2330	20	1016.4	1014.0	..	16.0	12.7	9.5	12.0	67	..	0.0	..	13.7	0	2	29	11	11	1	0	0	0	4	4	0	0
DWARKA	0830	11	1017.6	1016.2	+1.0	16.5	..	..	..	..	..	0.3	-1.3	11.5	0	4	27	13	11	5	0	0	0	0	2	0	0
	1730	11	1014.7	1013.4	+0.7	23.0	..	..	..	..	..	0.2	-1.1	14.7	0	8	23	16	3	1	0	0	1	2	8	0	0
RAJKOT	0530	138	1015.6	999.0	..	9.9	5.1	- 3.7	4.8	42	..	0.0	..	7.0	0	2	20	06	8	6	0	0	0	0	2	4	0
	0830	138	1017.4	1001.0	+0.9	12.1	6.7	- 2.7	5.4	40	-11	0.0	-1.3	6.5	0	3	18	04	4	6	1	0	0	1	0	10	0
	1130	138	1017.4	1001.6	..	23.1	13.4	2.9	8.1	27	..	0.0	..	21.7	0	18	13	05	11	7	4	0	0	0	3	0	1
	1430	138	1014.0	998.4	..	26.6	15.1	1.2	7.9	23	..	0.0	..	23.5	0	22	9	08	13	3	3	0	0	0	4	0	0
	1730	138	1013.5	997.9	+0.9	26.2	14.7	0.9	7.4	22	+ 0	0.0	-1.4	22.6	0	24	7	12	13	1	0	0	0	0	5	0	0
BHAVNAGAR AERODROME	0830	11	1016.7	1015.4	+0.6	13.0	7.6	- 0.7	6.1	40	- 4	0.3	-0.9	12.6	0	5	26	02	2	0	0	0	0	10	17	0	0
	1130	11	1017.1	1015.9	..	22.2	13.2	3.1	7.9	30	..	0.3	..	17.7	0	12	19	12	11	0	0	0	0	0	8	0	0
	1730	11	1013.2	1012.0	+0.6	26.8	15.2	3.1	7.9	23	- 6	0.4	-1.0	19.5	0	17	14	07	17	4	2	0	0	0	0	0	1
PORBANDER AERODROME	0830	7	1017.0	1016.2	+1.2	15.1	10.4	4.5	8.8	54	-13	0.5	-0.6	8.3	0	5	14	06	9	2	0	0	1	0	1	12	0
	1130	7	1017.5	1016.7	..	25.2	15.9	6.7	10.5	34	..	0.4	..	28.8	0	16	14	05	15	5	1	0	0	0	4	1	0
	1730	7	1013.8	1013.0	+0.7	25.8	17.3	10.1	12.9	41	- 7	0.2	-1.0	25.0	0	26	5	10	4	0	0	0	1	13	5	0	0
KESHOD	0830	51	1016.8	1010.6	+0.4	12.3	6.1	- 5.4	4.3	32	-16	0.2	-0.9	16.2	0	9	22	06	15	10	0	0	0	0	0	0	0
	1130	51	1017.3	1011.3	..	23.5	12.1	- 4.3	4.8	18	..	0.3	..	22.3	0	20	11	10	16	4	0	0	0	0	1	0	0
	1730	51	1012.9	1007.1	+0.3	28.5	14.1	- 5.8	4.3	12	-14	0.3	-0.7	20.9	0	18	13	14	10	1	0	0	0	2	4	0	0
MAHUVA	0830	9	1015.4	1014.4	..	15.4	8.7	- 1.0	5.9	34	..	0.0	..	6.5	0	2	26	15	10	0	0	0	0	0	3	3	0
	1730	9	1012.5	1011.5	..	27.1	16.4	5.4	9.9	31	..	0.3	..	5.0	0	0	29	01	11	4	10	2	1	0	0	2	0
VERAVAL	0230	8	1014.6	1013.7	..	15.7	10.2	3.5	8.1	46	..	0.0	..	14.3	0	4	27	13	15	1	0	0	0	0	2	0	0
	0530	8	1014.1	1013.2	..	14.8	9.6	3.0	7.8	47	..	0.0	..	18.0	0	11	20	12	18	1	0	0	0	0	0	0	0
	0830	8	1016.1	1015.2	+0.6	15.8	10.6	4.2	8.6	48	- 1	0.3	-0.9	16.7	0	13	17	09	19	2	0	0	0	0	0	1	0
	1130	8	1016.6	1015.7	..	26.0	17.0	9.1	12.1	37	..	0.4	..	20.9	0	18	10	10	13	2	0	0	0	2	1	3	0
	1430	8	1013.6	1012.7	..	27.5	19.8	13.7	16.8	48	..	0.2	..	20.4	0	19	12	06	7	1	0	0	6	8	3	0	0
	1730	8	1012.9	1012.0	+0.3	25.9	20.1	15.9	18.8	58	- 1	0.3	-0.8	22.0	0	21	10	05	6	0	0	1	4	8	7	0	0
	2030	6	1015.0	1014.1	..	21.3	16.9	13.4	15.7	64	..	0.1	..	17.1	0	15	13	12	3	1	1	0	0	1	10	3	0
	2330	8	1015.5	1014.6	..	17.6	13.4	8.2	12.0	56	..	0.0	..	12.9	0	6	23	13	15	0	0	0	0	0	1	2	0
DIU	0830	15	1017.5	1015.7	..	17.8	15.0	12.2	14.8	71	..	0.2	..	10.3	0	3	28	18	10	0	0	0	0	0	3	0	0
	1730	15	1014.4	1012.6	..	24.5	22.3	20.9	25.2	81	..	0.2	..	12.2	0	2	29	00	2	5	2	2	7	12	1	0	0
KONKAN (INCLUDING GOA)																											
DAHANU	0830	5	1014.0	1013.5	-0.4	18.1	14.5	11.2	13.6	66	- 2	.	..	10.1	0	0	31	05	2	7	1	0	13	2	1	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JANUARY 1967 (PAUSA 11 – MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KONKAN (INCLUDING GOA) (CONTD.)																											
DAHANU.....(CONTD.).....	1730	5	1011.5	1011.1	-0.2	22.3	18.2	15.3	17.1	66	- 5	.	..	11.8	0	0	30	30	0	0	0	0	0	0	0	0	0
BOMBAY (SANTACRUZ).....	0230	14	1012.7	1011.0	..	18.5	14.8	11.8	13.8	67	..	0.2	..	2.5	0	0	12	04	3	4	0	0	0	0	1	19	0
	0530	14	1012.4	1010.7	..	17.5	13.8	10.5	12.8	65	..	0.3	..	4.5	0	0	19	05	7	5	1	0	0	0	1	12	0
	0830	14	1014.5	1012.8	-0.1	19.6	14.3	9.5	12.0	54	- 9	0.6	-0.8	4.6	0	1	15	01	6	9	0	0	0	0	0	15	0
	1130	14	1014.8	1013.1	..	28.1	17.9	9.7	12.3	33	..	0.5	..	9.4	0	2	24	04	7	5	2	0	0	4	4	5	0
	1430	14	1011.8	1010.2	..	29.3	19.3	12.0	14.2	36	..	0.5	..	14.1	0	3	27	04	3	0	0	0	1	3	19	1	0
	1730	14	1011.6	1010.0	+0.0	26.6	18.8	13.3	15.4	45	- 3	0.5	-0.8	15.6	0	5	26	10	0	0	0	0	0	0	21	0	0
	2030	14	1013.4	1011.7	..	22.9	17.7	13.9	16.1	58	..	0.2	..	12.7	0	0	30	19	0	0	0	0	0	0	11	1	0
	2330	14	1013.9	1012.2	..	20.6	16.1	12.3	14.7	61	..	0.1	..	4.2	0	0	19	09	8	2	0	0	0	0	0	12	0
BOMBAY.....	0830	11	1014.4	1013.1	-0.1	20.0	16.4	13.5	15.8	67	- 4	0.6	-0.7	5.2	0	0	26	06	14	6	0	0	0	0	0	5	0
	1130	11	1014.7	1013.5	..	26.7	18.9	13.3	15.5	44	..	0.6	..	6.3	0	0	29	05	7	10	1	0	0	0	6	2	0
	1730	11	1011.6	1010.4	+0.0	25.3	20.2	17.1	19.5	61	- 2	0.3	-0.8	15.9	0	6	25	09	0	0	0	0	0	0	22	0	0
ALIBAG.....	0830	7	1014.0	1013.2	-0.7	20.5	16.8	14.1	16.1	67	- 2	0.7	-0.6	5.0	0	0	29	07	14	8	0	0	0	0	0	2	0
BHIRA.....	0830	96	1013.8	1002.7	..	19.3	14.7	10.6	13.0	63	..	0.8	..	3.7	0	1	12	00	4	2	6	0	1	0	0	18	0
	1730	96	1009.8	999.1	..	31.6	19.8	11.1	13.5	29	..	0.6	..	2.0	0	0	21	00	0	0	0	0	19	1	1	10	0
HARNAI.....	0830	20	1013.6	1011.3	-0.1	23.7	18.4	14.2	16.9	56	- 3	1.4	-0.3	8.6	0	3	17	03	3	8	3	1	0	1	1	11	0
	1730	20	1011.0	1008.7	+0.0	26.3	22.5	20.4	24.1	71	+ 0	0.7	-0.6	29.8	0	26	5	20	0	0	0	0	0	1	10	0	0
RATNAGIRI.....	0830	35	1013.7	1009.7	+0.0	21.4	17.5	14.7	16.8	67	+ 1	0.8	-1.1	6.7	0	0	25	00	0	8	6	0	0	0	0	6	11
	1730	35	1010.8	1006.8	+0.0	27.9	21.8	18.3	21.0	56	- 3	0.8	-1.0	11.6	0	2	29	03	0	1	0	0	0	13	12	0	2
DEVGARH.....	0830	36	1013.2	1009.2	-0.4	22.6	18.4	15.5	17.7	65	- 6	1.2	-0.7	9.4	0	0	31	04	12	14	1	0	0	0	0	0	0
	1730	36	1010.3	1006.3	-0.1	28.5	22.3	18.9	21.8	56	- 5	1.1	-0.5	22.4	0	15	16	03	0	0	0	0	0	15	13	0	0
VENGURLA.....	0230	9	1012.0	1011.0	..	20.5	18.7	17.5	20.1	83	..	0.5	..	1.3	0	0	10	09	0	0	0	0	0	0	1	21	0
	0530	9	1011.4	1010.4	..	19.1	17.6	16.5	18.9	85	..	0.8	..	2.0	0	0	14	14	0	0	0	0	0	0	0	17	0
	0830	9	1013.8	1012.8	-0.2	20.3	18.0	16.5	18.8	79	+ 6	1.1	-0.3	1.3	0	0	11	08	1	0	0	0	0	0	2	20	0
	1130	9	1013.9	1012.9	..	30.0	20.5	14.7	16.4	40	..	0.9	..	5.2	0	0	27	03	3	4	3	2	8	2	2	4	0
	1730	9	1010.5	1009.5	-0.1	28.6	22.0	18.2	21.0	54	+ 0	1.3	+0.1	7.0	0	0	31	00	0	0	0	0	3	21	7	0	0
	2330	9	1013.0	1012.0	..	22.1	19.7	18.3	21.0	79	..	0.5	..	1.9	0	0	13	09	4	0	0	0	0	0	0	18	0
PANJIM.....	0530	60	1011.2	1004.3	..	20.6	18.8	17.7	20.2	83	..	1.5	..	6.8	0	0	29	01	4	23	1	0	0	0	0	2	0
	0830	60	1013.3	1006.4	..	21.0	18.9	17.5	20.1	81	..	2.1	..	6.3	0	0	29	00	6	22	1	0	0	0	0	2	0
	1130	60	1013.6	1006.9	..	29.0	20.2	14.3	16.5	41	..	1.6	..	6.3	0	0	27	01	4	7	13	0	0	0	2	4	0
	1430	60	1010.4	1003.7	..	30.8	21.5	15.3	18.1	41	..	2.0	..	11.8	0	0	31	00	0	4	0	0	4	20	3	0	0
	1730	60	1010.1	1003.4	..	28.7	21.6	17.5	20.0	51	..	2.2	..	11.9	0	1	30	02	0	0	0	0	0	16	13	0	0
	2030	60	1012.2	1005.4	..	25.6	21.4	19.0	22.1	67	..	1.2	..	6.6	0	0	29	22	4	0	0	0	0	0	3	2	0
	2330	60	1012.7	1005.8	..	23.9	20.2	18.0	20.8	70	..	0.8	..	5.7	0	0	29	08	15	5	0	0	0	0	1	2	0
MORMUGAO.....	0530	62	1010.4	1003.4	..	22.4	19.6	17.9	20.5	77	..	1.2	..	9.4	0	1	30	06	6	13	2	3	0	1	0	0	0
	0830	62	1012.7	1005.6	-1.3	23.8	19.9	17.6	20.0	69	+ 3	1.5	-0.2	9.7	0	0	31	02	6	19	2	1	0	1	0	0	0
	1130	62	1012.9	1005.9	..	28.2	20.8	16.1	18.5	49	..	1.2	..	9.1	0	0	31	09	4	5	2	1	3	4	3	0	0
	1730	62	1009.1	1002.3	-1.1	28.3	22.3	18.9	22.1	57	- 5	1.7	-0.1	14.2	0	7	24	01	0	0	1	0	5	13	11	0	0
DABOLIM (NAVAL AIR STN.).....	0530	52	1011.3	1005.4	..	21.3	18.9	17.8	19.9	81	..	1.8	..	..	0	18	22	00	10	10	2	1	0	0	0	8	0
	0830	52	1013.7	1007.8	..	22.8	19.2	16.8	19.4	70	..	1.9	..	..	0	1	26	01	8	10	8	0	0	0	0	4	0
	1130	52	1013.7	1007.9	..	28.7	20.5	14.9	17.4	43	..	1.5	..	..	0	3	27	03	2	2	10	3	7	1	1	1	1
	1730	52	1010.3	1004.5	..	28.6	21.7	17.7	20.2	52	..	1.6	..	..	0	17	14	03	0	0	0	0	1	13	14	0	0
	2330	52	1012.8	1006.8	..	24.5	20.8	18.7	21.6	70	..	1.1	..	..	0	0	31	08	22	1	0	0	0	0	0	0	0
MADHYA MAHARASHTRA																											
NANDURBAR.....	0830	206	1016.5	992.4	-0.1	18.3	12.0	5.5	9.2	46	- 5	0.0	-1.4	1.9	0	0	13	00	1	7	1	0	2	0	2	18	0
	1730	206	1012.2	989.1	+0.6	28.6	17.8	8.7	11.6	29	- 3	0.0	-1.6	1.7	0	0	11	00	4	3	0	0	2	0	2	20	0
JALGAON.....	0830	201	1016.3	992.6	+0.1	16.0	10.6	4.3	8.5	46	-12	0.9	-0.5	8.0	0	2	27	00	4	12	8	2	1	2	0	2	0
	1730	201	1011.2	988.6	-0.1	28.9	17.0	6.5	9.7	25	- 2	0.4	-1.1	6.7	0	1	25	03	4	2	0	0	0	8	9	5	0
MALEGAON.....	0830	437	1017.4	966.3	+0.3	13.5	9.1	3.8	8.0	52	- 1	1.4	-0.3	3.9	0	0	30	03	1	1	0	0	2	13	10	1	0
	1730	437	1011.1	962.6	+0.4	27.8	15.9	4.1	8.4	23	- 4	1.7	-0.5	6.2	0	0	31	03	11	8	2	2	1	2	2	0	0
OZAR.....	0530	608	1015.3	944.8	..	11.3	7.6	3.2	7.7	59	..	0.3	..	6.5	0	1	19	00	0	0	2	3	1	10	4	11	0
	0830	608	1016.5	946.8	..	15.2	10.2	5.0	8.8	51	..	0.9	..	2.5	0	0	11	00	2	2	1	1	0	3	2	20	0
	1130	608	1014.5	947.1	..	24.7	15.7	8.5	11.2	34	..	0.6	..	12.7	0	6	24	01	2	10	12	2	1	1	1	1	0
	1430	608	1010.4	944.0	..	28.0	16.9	8.5	11.1	30	..	1.2	..	11.9	0	5	22	01	3	3	5	4	6	4	1	4	0
	1730	608	1010.1	943.6	..	27.4	16.6	8.1	11.0	31	..	1.2	..	10.8	0	7	21	01	6	3	2	2	0	7	7	3	0
AHMADNAGAR.....	0830	657	1016.4	941.7	+0.2	16.7	11.0	5.5	9.0	49	- 5	1.6	+0.0	2.5	0	0	17	02	0	0	1	0	0	0	14	14	0
	1730	657	1009.5	938.2	+0.0	28.9	17.2	8.3	11.1	28	- 1	2.1	+0.1	5.5	0	0	26	00	12	0	4	0	2	0	8	5	0
POONA AERODROME.....	0230	593	1013.7	946.1	..	16.8	11.8	7.2	10.2	54	..	0.2	..	3.8	0	0	13	00	3	0	0	0	0	8	2	18	0
	0530	593	1013.9	946.0	..	14.8	11.1	7.6	10.5	63	..	0.2	..	2.3	0	0	10	01	0	1	0	0	0	6	2	21	0
	0830	593	1015.9	948.0	..	16.0	11.9	8.0	10.9	58	..	0.9	..	1.8	0	0	7	00	1	1	0	1	0	4	0	24	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JANUARY 1967 (PAUSA 11 – MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or lit. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD.)																												
POONA AERODROME (CONTD.)	1130	593	1014.1	948.3	..	25.5	15.8	7.7	10.9	33	..	0.7	..	14.2	0	4	25	01	1	17	6	1	0	2	1	2	0
	1730	593	1009.3	944.5	..	28.5	16.6	7.0	10.2	26	..	1.4	..	11.5	0	5	22	01	5	6	2	0	1	7	5	4	0
	2330	593	1014.1	947.1	..	19.2	13.1	7.6	10.7	48	..	0.3	..	8.4	0	0	24	00	3	0	0	0	0	17	4	7	0
POONA	0530	559	1015.0	941.1	..	11.8	9.6	7.5	10.4	75	..	0.2	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	0830	559	1016.6	952.3	+0.1	14.8	11.5	8.6	11.2	67	+ 3	0.7	-0.8	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1130	559	1014.1	952.1	..	25.5	16.1	8.7	11.5	35	..	0.7	..	5.7	0	0	26	00	0	18	4	0	0	1	3	5	0
	1430	559	1009.9	948.9	..	29.0	17.3	8.5	11.2	29	..	1.5	..	4.8	0	0	22	02	4	7	2	0	4	3	0	9	0
	1730	559	1009.6	948.5	+0.1	28.4	17.0	8.2	11.1	29	- 2	1.7	-0.1	3.4	0	0	15	00	1	5	1	0	0	7	1	16	0
	2030	559	1013.2	950.6	..	22.1	14.7	8.7	11.4	43	..	0.5	..	2.8	0	0	13	00	0	1	0	0	0	11	1	18	0
	2330	559	1014.8	951.1	..	17.2	12.4	8.3	10.9	56	..	0.4	..	0.3	0	0	2	00	0	0	0	0	0	2	0	29	0
JEUR	0830	521	1015.8	956.0	-0.3	16.4	12.1	8.2	11.0	59	+ 4	1.8	+0.4	1.7	0	0	21	08	7	1	0	1	1	0	3	10	0
	1730	521	1009.2	952.2	-0.1	29.3	17.7	9.0	11.8	29	- 3	2.1	+0.2	6.1	0	1	30	08	7	5	1	2	3	2	3	0	0
BARAMATI	0830	551	1016.3	953.1	-0.3	15.9	12.2	9.1	11.5	65	+ 3	0.2	-0.9	4.5	0	0	30	05	0	4	2	3	2	6	8	1	0
	1730	551	1009.5	949.4	+0.1	29.1	19.3	13.2	15.3	39	+ 6	0.9	-0.7	6.8	0	0	29	02	4	2	5	9	4	1	2	2	0
SHOLAPUR	0530	479	1013.2	958.5	..	17.9	13.4	9.6	12.1	59	..	1.1	..	5.5	0	0	20	01	11	2	5	0	0	0	1	11	0
	0830	479	1015.5	961.1	-0.2	20.1	14.8	10.3	13.0	55	+ 5	0.9	-0.5	6.6	0	0	28	00	15	0	9	0	0	0	4	3	0
	1130	479	1014.0	960.8	..	26.9	17.9	11.4	13.9	40	..	1.2	..	11.5	0	4	26	04	5	4	9	5	3	0	0	1	0
	1430	479	1009.9	957.5	..	29.9	18.6	10.6	13.2	32	..	2.5	..	9.0	0	2	28	05	3	6	9	1	2	3	1	1	0
	1730	479	1009.6	957.2	+0.1	29.5	18.3	10.3	12.9	32	+ 3	2.2	-0.1	5.0	0	0	27	07	5	8	3	0	0	2	2	4	0
	2330	479	1013.4	959.4	..	21.9	14.9	9.1	11.9	45	..	1.3	..	8.1	0	0	26	02	10	6	5	0	2	0	1	5	0
PHALTAN	0830	554	1015.8	952.8	+0.1	17.9	14.1	11.2	13.4	65	+ 4	2.3	+0.8	..	0	0	5	00	0	2	0	0	0	2	1	26	0
	1730	554	1009.1	948.8	+0.0	28.9	19.1	12.4	15.0	34	+ 0	2.8	+0.6	..	0	0	11	00	1	6	0	0	0	3	1	20	0
KOLHAPUR	0530	570	1013.0	948.1	..	16.2	13.5	11.2	13.7	73	..	0.9	..	2.8	0	0	13	00	2	3	0	1	1	6	0	18	0
	0830	570	1014.8	950.1	-0.7	17.6	13.8	10.7	13.0	65	+ 5	1.3	-0.1	3.2	0	0	17	00	10	5	0	0	1	1	0	14	0
	1130	570	1013.5	950.5	..	26.1	17.3	10.9	13.3	39	..	1.2	..	9.4	0	3	25	00	10	11	6	0	0	0	1	3	0
	1730	570	1008.8	946.8	+0.0	28.8	17.7	9.5	12.2	35	+ 7	1.6	-0.2	8.5	0	2	26	01	7	11	1	1	0	5	2	3	0
	2330	570	1013.2	949.1	..	20.5	15.5	11.7	13.9	58	..	0.8	..	5.8	0	0	28	01	9	14	1	0	0	3	0	3	0
UDGIRI	0830		..	..	..	19.7	13.4	8.0	10.9	48	..	1.1	..	6.5	0	1	29	03	11	14	1	1	0	0	0	1	0
	1730		..	..	..	24.5	16.1	10.0	12.2	41	..	1.9	..	4.6	0	0	29	03	3	7	1	3	6	6	0	2	0
MARATHWADA																												
AURANGABAD	0830	581	1016.2	950.3	-0.2	18.2	12.2	6.6	9.9	47	- 5	1.1	-0.6	3.3	0	1	13	01	2	8	1	2	0	0	0	17	0
	1730	581	1010.4	946.8	-0.1	28.0	16.4	7.1	10.2	27	- 3	2.1	+0.0	4.8	0	0	24	03	3	1	1	1	4	10	1	7	0
AURANGABAD (CHIKALTHAN)	0230	579	1014.5	947.9	..	13.9	9.4	4.8	8.9	55	..	0.7	..	3.0	0	0	11	00	2	5	1	0	0	2	3	20	0
	0530	579	1015.0	947.8	..	11.5	8.0	4.3	8.2	62	..	0.3	..	1.1	0	0	4	00	0	1	0	0	0	2	1	27	0
	0830	579	1016.0	950.0	-0.2	17.7	11.8	6.0	9.5	47	- 6	1.0	-0.5	4.7	0	0	14	02	0	4	2	0	1	3	2	17	0
	1130	579	1014.4	950.2	..	25.0	15.9	8.4	11.4	36	..	0.7	..	13.8	0	5	24	00	1	7	12	2	6	1	0	2	0
	1430	579	1010.5	947.1	..	28.0	16.8	8.0	10.9	29	..	1.7	..	12.0	0	1	27	03	1	5	4	0	4	7	4	3	0
	1730	579	1010.1	946.6	+0.1	27.7	16.4	7.1	10.4	28	- 6	1.9	-0.1	10.7	0	2	23	01	2	2	5	1	5	7	2	6	0
	2030	579	1014.1	948.6	..	19.5	12.5	5.8	9.5	42	..	1.0	..	6.6	0	0	21	05	5	0	1	0	0	2	8	10	0
	2330	579	1015.2	948.9	..	15.8	10.6	5.3	9.0	51	..	1.1	..	5.9	0	0	17	04	2	3	1	0	0	1	6	14	0
PARBHANI	0830	423	1016.7	967.8	-0.2	17.3	12.8	8.2	11.2	56	+ 7	1.3	-0.3	0.7	0	0	4	00	2	0	1	0	0	1	0	27	0
	1730	423	1010.5	964.2	+0.1	28.7	18.1	8.4	12.2	33	+ 6	1.6	-0.3	1.7	0	0	15	05	7	1	0	0	1	0	1	16	0
NANDER	0830	358	1015.9	974.7	..	19.3	14.5	10.1	12.6	56	..	1.1	..	1.7	0	0	10	01	0	4	1	1	0	3	0	21	0
	1730	358	1011.2	971.5	..	29.1	17.4	12.1	14.9	37	..	0.0	..	3.5	0	0	24	04	1	7	5	2	1	2	2	7	0
SIR	0830	519	1016.9	957.2	..	16.4	13.0	10.5	12.7	70	..	1.3	..	1.1	0	0	11	00	1	0	6	0	2	0	2	20	0
	1730	519	1010.5	953.5	..	27.7	18.3	11.8	14.2	38	..	1.1	..	3.2	0	0	23	00	16	0	1	0	1	0	5	8	0
VIDARBHA																												
GONDIA	0830	313	1016.8	980.5	-0.4	16.4	12.2	7.4	10.8	55	-13	0.7	-1.1	2.2	0	0	24	15	4	3	1	0	0	0	1	7	0
NAGPUR (SONEGAON)	1730	313	1012.2	977.2	-0.2	26.1	17.0	9.2	12.0	37	- 3	1.1	-0.5	1.5	0	0	16	04	0	5	1	2	2	1	1	15	0
	0230	310	1014.2	978.2	..	15.3	12.4	9.6	12.0	69	..	0.4	..	4.1	0	0	26	15	4	2	0	0	1	0	4	5	0
	0530	310	1014.6	978.3	..	13.9	11.1	8.3	10.9	69	..	0.7	..	4.0	0	0	25	11	5	0	0	0	0	0	9	6	0
	0830	310	1016.7	980.7	-0.4	17.2	12.9	8.7	11.4	58	- 7	1.1	-0.8	5.0	0	0	28	15	7	2	0	0	0	0	4	3	0
	1130	310	1015.4	980.4	..	25.4	17.5	12.0	13.6	44	..	0.7	..	6.1	0	2	20	03	5	10	4	0	0	0	0	9	0
	1430	310	1011.7	977.0	..	28.0	19.0	12.3	14.7	40	..	1.7	..	7.3	0	1	30	03	6	9	2	0	1	6	4	0	0
	1730	310	1011.7	976.9	+0.0	26.5	18.4	12.3	14.6	43	+ 5	1.5	-0.6	4.6	0	0	25	01	7	9	2	2	2	2	0	6	0
	2030	310	1014.4	978.7	..	19.6	15.3	11.5	13.9	61	..	0.5	..	3.0	0	0	22	02	3	7	5	0	1	2	1	9	0
	2330	310	1015.0	979.0	..	17.6	13.8	10.3	12.7	63	..	0.4	..	6.2	0	0	27	14	5	1	0	0	1	0	6	4	0
AMRAOTI	0830	370	1016.1	973.5	-0.3	18.5	11.2	2.1	7.4	35	-14	0.6	-1.6	3.0	0	0	31	01	15	10	1	1	2	0	1	0	0
	1730	370	1011.4	970.2	+0.0	27.6	15.5	2.8	7.9	21	- 9	1.0	-1.3	2.5	0	0	31	07	9	4	1	1	0	7	2	0	0
AKOLA AERODROME	0530	309	1013.6	977.5	..	14.9	10.0	4.2	8.4	52	..	0.3	..	4.9	0	0	30	03	7	9	1	0	6	3	1	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lst. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA(CONTD)																											
AKOLA AERODROME.(CONTD.).....	0830	309	1015.6	979.6	..	16.8	11.0	4.1	8.5	44	..	0.9	..	4.5	0	0	30	02	11	7	2	0	5	1	2	1	0
	1130	309	1015.0	980.0	..	25.0	15.5	5.9	9.9	32	..	1.1	..	6.0	0	0	30	03	11	11	2	0	0	0	3	1	0
	1430	309	1011.0	976.6	..	28.9	16.8	5.1	9.3	24	..	1.7	..	5.9	0	0	30	04	7	8	0	0	2	1	8	1	0
	1730	309	1010.5	976.1	..	28.2	16.2	4.3	8.7	23	..	1.8	..	4.6	0	0	29	03	9	2	0	0	1	3	11	2	0
	2030	309	1012.9	977.8	..	23.3	14.2	4.7	8.8	31	..	1.0	..	3.7	0	0	26	04	5	3	1	2	0	4	7	5	0
	2330	309	1013.7	978.2	..	19.7	12.4	4.3	8.5	37	..	0.6	..	4.8	0	0	31	02	9	5	3	2	2	1	7	0	0
AKOLA.....	0830	282	1016.4	983.5	+0.0	16.4	11.7	6.7	9.9	55	- 2	0.9	-0.6	1.1	0	0	15	00	1	7	1	0	0	6	0	16	0
	1730	282	1010.8	979.5	+0.1	28.7	17.1	7.0	10.1	26	- 3	1.4	-0.1	1.7	0	0	26	00	11	0	1	0	0	3	11	5	0
BRAMHAPURI.....	0830	229	1016.5	989.6	-0.8	16.1	13.3	10.7	13.0	71	- 2	1.2	-0.4	2.8	0	0	25	08	10	2	1	1	0	1	2	6	0
	1730	229	1011.9	986.2	-0.6	27.6	18.1	10.2	13.1	35	- 4	1.7	+0.2	5.0	0	0	28	04	7	4	2	4	1	1	5	3	0
BULDANA.....	0830	650	1015.7	942.0	-0.1	17.8	12.4	7.5	10.5	52	- 2	0.7	-1.1	6.9	0	0	26	03	1	6	3	6	3	0	4	5	0
	1730	650	1010.6	939.2	+0.0	26.0	16.9	10.3	12.6	38	+ 3	1.5	-0.7	4.3	0	0	30	09	10	1	1	2	2	0	5	1	0
YEOTMAL.....	0830	451	1015.8	964.3	-0.3	19.4	12.6	5.2	9.1	41	-12	1.2	-1.0	6.2	0	0	31	04	8	15	0	0	1	0	3	0	0
	1730	451	1010.9	960.8	-0.4	26.5	16.3	6.5	10.3	30	- 3	2.0	-0.3	6.1	0	0	31	11	10	5	0	0	0	4	1	0	0
CHANDRAPUR.....	0830	193	1015.9	993.3	-0.7	16.7	13.8	11.2	13.5	70	- 1	1.4	-0.3	3.2	0	0	27	06	7	7	0	0	2	1	4	4	0
	1730	193	1011.3	989.7	-0.5	27.9	17.9	9.5	12.3	34	- 9	1.7	-0.2	3.2	0	0	31	05	12	4	1	1	1	0	2	0	0
PUSAD.....	0830	334	1016.9	978.0	..	15.9	12.3	8.6	11.4	64	..	0.7	..	1.6	0	0	9	01	1	0	0	0	0	2	5	22	0
	1730	334	1011.8	974.8	..	29.3	19.2	10.7	14.0	37	..	2.5	..	2.3	0	0	20	00	11	1	1	0	4	0	3	11	0
SIRONCHA.....	0830	123	1016.4	1001.9	-0.7	19.0	16.1	14.0	16.0	73	- 2	1.6	+0.0	1.4	0	0	18	00	3	1	8	0	0	0	6	13	0
	1730	123	1011.6	997.8	-0.5	29.1	19.4	12.3	14.7	37	- 2	2.6	+1.3	1.8	0	0	24	04	4	2	7	0	1	0	6	7	0
WARDHA.....	0830	283	1015.9	983.2	..	19.1	12.6	5.7	9.3	43	..	0.8	..	4.2	0	0	31	14	12	2	1	0	0	0	2	0	0
	1730	283	1011.4	979.7	..	27.6	16.6	6.3	10.0	28	..	1.9	..	3.3	0	0	28	05	7	5	2	0	5	4	0	3	0
BHANDARA.....	0830		..	..	..	17.1	12.5	8.0	10.8	55	..	.	..	4.2	0	0	26	02	9	4	2	3	3	1	1	5	1
	1730		..	..	..	27.4	17.8	9.6	12.6	35	..	.	..	6.2	0	0	29	01	6	4	2	0	5	0	0	2	6
COASTAL ANDHRA PRADESH																											
KALINGAPATAM.....	0830	6	1015.7	1015.1	-0.7	20.9	18.9	17.5	19.9	85	+ 3	3.0	+0.4	8.0	0	3	27	11	3	0	0	0	0	0	8	1	8
	1730	6	1012.7	1012.0	-0.8	23.5	20.7	19.1	22.1	77	+ 8	2.7	+0.0	14.1	0	7	24	05	4	0	1	1	0	0	0	0	20
VISHAKHAPATNAM.....	0230	3	1013.4	1013.0	..	20.8	19.2	18.1	20.8	86	..	2.5	..	4.8	0	0	17	02	6	3	1	0	0	1	3	14	1
	0530	3	1013.6	1013.2	..	20.0	18.5	17.5	20.0	87	..	3.3	..	3.4	0	0	17	02	7	3	0	0	0	1	4	14	0
	0830	3	1015.7	1015.3	-0.7	22.9	19.8	17.8	20.5	74	- 3	3.4	+1.4	4.9	0	1	20	04	6	4	1	0	0	2	7	10	2
	1130	3	1015.0	1014.6	..	27.2	21.2	17.6	20.1	58	..	3.7	..	11.6	0	6	23	00	9	9	6	0	2	0	1	2	2
	1430	3	1012.3	1011.9	..	27.2	21.1	17.2	19.6	56	..	3.5	..	15.5	0	8	22	01	6	11	9	1	2	0	0	1	0
	1730	3	1012.6	1012.3	-0.5	24.7	20.8	18.4	21.3	69	- 9	3.5	+1.5	11.2	0	4	26	01	3	16	6	2	2	0	0	1	0
	2030	3	1014.9	1014.5	..	23.0	20.7	19.3	22.4	80	..	2.9	..	6.0	0	2	15	02	5	9	1	0	0	0	0	14	0
	2330	3	1014.7	1014.3	..	21.7	19.8	18.7	21.6	84	..	2.7	..	4.6	0	1	15	03	7	4	1	0	0	0	1	15	0
KAKINADA.....	0830	8	1015.2	1014.3	-1.3	23.3	20.6	18.9	22.1	77	+ 5	2.5	+0.5	12.1	0	5	26	00	22	0	0	0	0	0	9	0	0
	1730	8	1012.1	1011.2	-1.0	25.0	22.1	20.5	24.1	72	+ 2	2.4	+0.9	15.9	0	10	21	00	22	0	9	0	0	0	0	0	0
NIDADAVOLE.....	0830	12	1015.5	1013.9	-0.9	21.6	19.6	18.4	21.1	83	+ 6	3.1	+0.3	4.2	0	0	30	07	15	4	0	0	1	0	3	1	0
	1730	12	1011.8	1010.5	-0.4	26.8	21.6	18.7	21.6	62	+ 7	4.1	+0.8	5.0	0	0	29	00	4	19	0	3	3	0	0	2	0
RENTACHINTALA.....	0830	106	1015.4	1003.1	-0.5	20.8	18.8	17.5	20.1	82	+11	1.7	-0.8	0.7	0	0	11	01	1	1	4	1	1	1	1	20	0
	1730	106	1010.9	999.0	-0.4	29.7	20.5	14.9	16.7	42	+ 9	1.7	-1.1	0.3	0	0	5	01	0	1	1	1	0	1	0	26	0
GANNAVARAM.....	0230	24	1012.7	1009.9	..	20.6	19.2	18.3	21.1	87	..	2.5	..	3.9	0	0	17	05	4	7	0	1	0	0	0	14	0
	0530	24	1013.0	1010.2	..	20.0	18.9	18.3	21.0	90	..	3.2	..	5.2	0	1	19	07	4	8	1	0	0	0	0	11	0
	0830	24	1015.3	1012.5	-0.8	22.8	20.0	18.2	21.1	76	+ 2	3.1	+1.4	8.7	0	2	27	06	4	18	1	0	0	0	0	2	0
	1130	24	1014.6	1011.8	..	27.6	21.4	17.7	20.4	55	..	4.0	..	13.0	0	6	25	01	3	14	5	2	0	0	1	0	0
	1430	24	1011.3	1008.6	..	29.5	21.3	16.1	18.6	45	..	4.1	..	12.1	0	5	26	01	2	19	5	3	0	0	1	0	0
	1730	24	1011.6	1008.8	-0.7	27.5	21.0	17.0	19.5	54	+ 0	3.2	+1.3	10.5	0	2	28	01	0	10	18	1	0	0	0	1	0
	2030	24	1014.0	1011.2	..	22.8	20.1	18.4	21.3	77	..	1.9	..	6.3	0	1	23	01	0	11	11	1	0	0	0	7	0
	2330	24	1014.1	1011.3	..	21.3	19.6	18.6	21.4	85	..	1.8	..	4.2	0	0	20	04	2	13	0	1	0	0	0	11	0
MASULIPATAM.....	0830	3	1015.2	1014.8	-1.0	21.8	20.3	19.4	22.7	86	+ 5	4.0	+1.9	4.0	0	0	30	06	10	12	0	0	0	0	2	1	0
	1730	3	1012.3	1011.9	-0.6	25.8	22.0	20.0	23.4	71	+ 2	3.4	+1.9	5.9	0	0	31	00	1	24	5	0	0	0	0	0	1
ONGOLE.....	0830	12	1015.1	1013.8	-0.8	24.2	21.7	20.2	23.8	78	- 3	3.2	+1.1	3.5	0	0	31	05	19	1	0	3	1	2	0	0	0
	1730	12	1011.5	1010.2	-0.9	26.7	22.5	20.3	23.8	68	- 2	2.1	+0.6	3.2	0	0	31	00	12	18	1	0	0	0	0	0	0
NELLORE.....	0530	20	1012.6	1010.3	..	21.3	21.1	21.0	24.9	98	..	3.9	..	2.1	0	0	16	00	8	0	5	0	0	0	0	3	15	0
	0830	20	1014.5	1012.2	-1.4	22.9	21.9	21.1	25.6	95	+11	4.5	+1.4	3.7	0	0	27	00	11	0	4	0	0	0	12	4	0
	1130	20	1014.3	1012.0	..	27.6	23.8	21.9	26.4	72	..	4.9	..	8.5	0	1	29	03	15	0	7	0	0	0	5	1	0
	1430	20	1011.4	1009.2	..	28.9	24.4	22.2	26.9	68	..	4.1	..	8.8	0	1	29	02	18	2	6	0	0	0	2	1	0
	1730		1011.6	1009.4	-0.6	26.7	23.7	22.2	28.6	77	+13	5.1	+2.2	9.0	0	0	31	00	24	0	6	0	0	0	1	0	0
	2330		1013.6	1011.3	..	22.9	22.1	21.7	25.9	93	..	3.8	..	1.0	0	0	8	00	6	0	1	0	0	0	1	23	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gram. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TELANGANA																											
RAMGUNDAM	0830	156	1015.5	997.4	-0.7	19.6	16.7	14.0	16.7	72	+ 8	0.9	-1.2	2.1	0	0	23	07	4	2	7	3	0	0	0	8	0
	1730	156	1011.2	993.6	-0.4	29.0	19.7	13.2	15.4	39	+ 4	1.1	-0.9	2.0	0	0	22	02	14	2	2	2	0	0	0	9	0
NIZAMABAD	0830	381	1015.8	977.2	+5.1	20.0	15.8	12.4	14.6	62	- 2	0.8	-0.8	0.3	0	0	5	01	1	1	0	1	0	1	0	26	0
	1730	381	1010.8	968.7	+0.4	28.2	18.4	10.8	13.2	35	+ 3	0.5	-1.5	0.8	0	0	9	00	8	1	0	0	0	0	0	22	0
HANAMKONDA	0830	269	1015.0	984.3	-1.1	19.9	17.7	16.1	18.6	83	+ 8	1.2	-0.9	2.0	0	0	30	09	1	0	0	17	1	2	0	1	0
	1730	269	1011.7	981.7	-0.1	28.4	19.7	12.7	15.1	41	+ 5	0.8	-0.8	2.0	0	0	30	19	2	2	4	3	0	0	0	1	0
HAKIMPET AERODROME	0530	613	1013.6	944.2	..	17.4	14.8	12.9	15.0	75	..	2.0	..	12.7	0	2	28	04	8	7	9	1	1	0	0	1	0
	0830	613	1014.5	945.7	..	20.2	16.1	13.6	15.3	68	..	2.6	..	11.8	0	1	29	02	8	4	11	5	0	0	0	1	0
	1130	613	1013.4	945.8	..	25.6	17.9	12.6	14.8	48	..	2.5	..	17.8	0	6	25	01	3	10	11	4	1	0	0	0	1
	1730	613	1010.6	943.3	..	26.7	17.1	10.8	12.7	36	..	2.8	..	13.0	0	1	29	03	5	13	6	0	1	0	2	1	0
	2330	613	1013.7	945.2	..	20.3	15.5	11.7	14.1	59	..	0.9	..	11.2	0	1	29	02	11	5	9	2	0	0	1	1	0
BHADRACHALLAM	0830	111	1014.8	1001.9	-1.9	19.8	17.5	15.9	18.1	78	+ 1	2.7	+0.4	2.8	0	0	30	01	28	0	0	0	0	0	1	1	0
	1730	111	1010.7	998.0	-1.3	29.3	19.5	12.0	14.0	36	- 5	2.0	-0.3	2.0	0	0	31	01	30	0	0	0	0	0	0	0	0
HYDERABAD (BEGAMPET)	0230	545	1013.4	951.4	..	17.2	14.6	12.4	14.7	74	..	1.6	..	5.1	0	1	23	08	4	6	5	0	0	0	1	7	0
	0530	545	1013.6	951.5	..	16.3	14.0	12.2	14.5	77	..	2.3	..	4.6	0	1	19	03	6	4	5	0	0	0	2	11	0
	0830	545	1015.6	953.8	-0.5	18.7	15.5	13.2	15.1	72	- 7	2.9	+0.5	4.5	0	0	21	03	5	3	6	4	0	0	0	10	0
	1130	545	1013.8	953.6	..	26.0	18.0	12.4	14.9	45	..	2.5	..	11.3	0	3	28	01	6	4	17	2	1	0	0	0	0
	1730	545	1010.4	950.6	+0.0	27.1	17.6	10.7	13.2	37	+ 1	3.3	+1.2	10.1	0	1	29	02	6	10	9	1	1	0	1	1	0
	2330	545	1014.4	952.7	..	19.2	15.0	11.9	13.9	64	..	1.3	..	4.8	0	0	23	05	5	4	7	1	0	0	1	8	0
KHAMMAM	0830	112	1015.3	1002.6	-0.5	21.7	19.3	18.0	20.5	79	- 1	3.4	+1.4	1.4	0	0	12	04	0	5	3	0	0	0	0	19	0
	1730	112	1010.9	998.3	-0.8	29.6	21.0	14.2	17.8	40	+ 0	4.0	+1.8	0.4[a]	0	0	5	01	0	4	0	0	0	0	0	25	0
MAHBUBNAGAR	0830	505	1014.4	957.5	-0.8	21.5	16.7	13.3	15.2	61	- 8	2.6	+0.8	7.2	0	0	28	00	9	17	2	0	0	0	0	3	0
	1730	505	1009.9	954.3	-0.4	27.5	17.3	9.8	11.5	34	- 4	3.4	+1.3	5.4	0	0	29	00	7	16	3	0	2	0	1	2	0
RAYALASEEMA																											
KURNOOL	0830	281	1015.4	983.1	-0.2	21.1	17.4	14.8	17.1	68	- 2	2.2	+0.5	2.9	0	0	22	00	14	4	0	4	0	0	0	9	0
	1730	281	1011.1	978.9	-0.3	30.2	19.1	11.3	13.0	34	+ 2	3.0	+0.7	4.9	0	0	26	00	13	0	11	0	0	0	1	5	1
NANDYAL	0830	212	1015.2	990.8	..	21.4	17.8	15.3	17.6	68	..	1.6[c]	..	5.0[c]	0	0	24	04	7	3	4	1	3	2	0	4	0
	1730	212	1010.4	987.0	..	27.9	19.8	14.1	16.7	45	..	3.4[c]	..	9.6[c]	0	0	27	00	2	20	3	1	1	0	0	1	0
ANANTAPUR	0530	350	1012.5	972.3	..	18.5	16.1	14.2	16.4	76	..	2.0	..	1.7	0	0	6	00	0	4	2	0	0	0	0	25	0
	0830	350	1014.7	974.8	-0.4	21.1	17.3	14.6	16.6	67	- 2	2.3	+0.7	3.0	0	0	11	00	4	6	1	0	0	0	0	20	0
	1130	350	1013.6	974.5	..	26.6	18.8	13.1	15.4	45	..	2.6	..	11.1	0	2	28	01	13	15	1	0	0	0	0	1	0
	1430	350	1009.8	971.1	..	28.9	18.8	11.1	13.5	34	..	2.8	..	10.6	0	2	28	00	14	13	1	0	0	0	1	1	1
	1730	350	1009.6	970.9	-0.1	28.6	19.0	12.0	14.2	37	+ 1	3.2	+1.1	8.9	0	0	26	00	15	11	0	0	0	0	0	5	0
	2030	350	1012.3	973.0	..	25.1	18.4	13.5	15.7	50	..	2.2	..	7.3	0	2	19	00	9	12	0	0	0	0	0	10	0
	2330	350	1013.0	973.4	..	22.7	17.8	14.1	16.4	59	..	1.7	..	9.5	0	3	22	00	0	18	7	0	0	0	0	6	0
CUDDAPAH	0830	130	1015.0	1000.0	-0.9	22.4	20.3	19.1	22.1	82	+14	2.5	+0.3	0.4	0	0	3	00	0	1	1	0	0	1	0	28	0
	1730	130	1010.8	996.1	-0.6	28.2	22.2	18.9	21.8	57	+ 3	2.4	-0.2	4.1	0	0	25	00	5	19	1	0	0	0	0	6	0
ADONI YALARAM	0830	701	1014.5	935.9	-1.2	19.3	16.5	15.2	16.5	78	- 1	3.6	+0.4	3.3	0	0	20	01	5	2	3	7	1	1	0	11	0
	1730	701	1009.8	933.4	-0.4	24.4	18.5	14.5	16.5	54	+ 7	4.3	+0.7	7.0	0	1	30	06	16	8	0	1	0	0	0	0	0
MADRAS STATE (INCLUDING PONDICHERRY)																											
MADRAS	0830	6	1014.3	1013.6	-0.6	24.1	22.1	21.2	25.2	83	+ 5	4.0	+0.2	5.5	0	0	27	11	7	2	0	0	0	4	3	4	0
	1730	6	1011.2	1010.5	..	26.3	22.1	19.8	23.1	68	..	4.0	..	9.1	0	0	31	06	18	7	0	0	0	0	1	0	0
MADRAS (MINAMBAKKAM)	0230	16	1011.9	1010.1	..	21.9	20.8	20.3	24.0	90	..	2.9	..	2.7	0	0	17	10	3	0	0	0	0	1	3	14	0
	0530	16	1012.0	1010.2	..	21.4	20.5	20.0	23.4	92	..	3.2	..	4.4	0	0	22	07	5	0	0	1	0	4	5	9	0
	0830	16	1014.3	1012.5	-1.1	23.4	21.6	20.7	24.3	85	+ 2	4.0	+0.4	6.6	0	0	30	11	2	0	0	0	0	6	11	1	0
	1130	16	1013.7	1011.9	..	27.7	22.3	19.4	22.5	61	..	4.7	..	8.5	0	1	30	15	6	6	0	3	0	0	1	0	0
	1430	16	1010.8	1009.1	..	28.3	22.1	18.5	21.6	57	..	4.3	..	13.6	0	4	26	13	8	7	1	0	0	0	1	1	0
	1730	16	1011.2	1009.4	-1.1	26.4	21.8	19.1	22.4	65	- 2	3.7	+0.3	11.8	0	1	30	14	10	6	1	0	0	0	0	0	0
	2030	16	1013.4	1011.6	..	24.2	21.6	20.2	23.7	79	..	2.6	..	5.8	0	0	27	14	8	4	1	0	0	0	0	4	0
	2330	16	1013.5	1011.7	..	23.0	21.3	20.3	23.8	85	..	2.4	..	4.7	0	0	21	10	6	2	0	0	0	0	3	10	0
VELLORE	0530	214	1012.8	988.0	..	19.3	18.6	18.1	20.8	93	..	2.0	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	0830	214	1015.0	990.4	-0.6	21.1	19.6	18.6	21.6	85	+ 0	3.1	-0.5	1.0	0	0	7	00	1	0	0	0	2	1	3	24	0
	1130	214	1014.1	989.9	..	26.2	21.0	17.8	20.6	61	..	3.9	..	6.5	0	0	29	05	[illegible]	3	1	0	0	3	0	2	3
	1730	214	1010.5	986.5	-0.6	27.3	20.5	16.1	18.5	52	+ 0	3.3	+0.1	6.6	0	0	29	[illegible]	19	8	2	0	0	0	0	2	0
	2330	214	1014.0	989.5	..	22.6	20.3	18.9	22.0	80	..	1.0	..	1.3	0	0	[illegible]	02	4	1	1	0	0	0	0	23	0
TAMBARAM AERODROME	0830	29	1013.9	1010.6	..	23.8	22.4	21.7	25.9	88	..	3.9	..	12.3	0	1	28	11	5	0	0	0	0	1	12	2	0
	1730	29	1011.0	1007.7	..	26.3	22.3	20.1	23.5	69	..	3.9	..	20.0	0	15	16	06	21	2	2	0	0	0	0	0	0
TIRUPPATTUR	0830	390	1013.5	969.2	-1.7	20.8	20.0	18.7	22.7	89	+ 1	6.4	+1.3	3.4	0	0	30	23	0	0	0	6	0	1	0	1	0
	1730	390	1009.1	965.4	-1.6	24.1	22.0	20.9	24.7	83	+29	6.7	+1.8	6.8	0	0	31	19	0	0	0	11	0	1	0	0	0
METTUR DAM R.S.	0830		..	..	..	22.8	19.8	17.9	20.5	74	..	3.6	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gen. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 0 or calm	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADRAS STATE(INCLUDING PONDICHERRY) (CONTD.)																											
METTUR DAM R.S.(CONTD)	1730		..	..	..	26.2	23.6	22.3	26.9	80	..	4.4	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
CUDDALORE	0530	12	1011.2	1009.9	..	21.3	20.8	20.5	24.1	95	..	2.1	..	0.5	0	0	3	00	3	0	0	0	0	0	0	28	0
	0830	12	1014.1	1012.6	-1.1	23.1	21.6	20.8	24.5	88	+ 5	3.8	-0.3	4.5	0	0	25	12	8	0	0	0	0	0	5	6	0
	1130	12	1013.7	1012.4	..	26.8	23.1	21.2	25.2	72	..	4.4	..	8.8	0	0	27	00	26	0	1	0	0	0	0	4	0
	1430	12	1010.8	1009.5	..	27.3	23.5	21.7	25.9	68	..	3.7	..	9.2	0	1	28	01	25	2	1	0	0	0	0	2	0
	1730	12	1010.9	1009.5	-1.1	26.2	23.2	21.6	25.8	77	+ 6	3.1	-0.6	7.1	0	0	29	01	24	2	2	0	0	0	0	2	0
	2330	12	1013.2	1011.9	..	23.8	22.2	21.5	25.6	86	..	1.7	..	1.7	0	0	9	00	9	0	0	0	0	0	0	22	0
KALLAKKURICHCHI	0830	127	1014.2	999.6	-1.0	22.6	20.3	19.1	22.1	81	+ 4	3.4	+0.0	4.9	0	0	24	04	2	0	0	0	1	0	17	7	0
	1730	127	1010.1	996.0	-0.5	27.6	21.7	18.1	20.8	58	+ 5	3.6	-0.1	7.9	0	0	29	00	26	2	0	0	0	0	1	2	0
SALEM	0530	278	1011.9	980.1	..	20.2	18.2	16.8	19.1	81	..	1.9	..	1.5	0	0	8	00	0	8	0	0	0	0	0	23	0
	0830	278	1014.2	982.5	-0.7	21.9	18.8	16.7	19.0	73	+ 0	2.4	-0.1	0.4	0	0	3	00	1	2	0	0	0	0	0	28	0
	1130	278	1013.1	981.9	..	27.0	20.1	15.5	17.6	51	..	3.2	..	3.0	0	0	19	00	6	4	0	0	0	0	1	12	8
	1730	278	1009.4	979.1	+0.3	28.0	19.9	14.4	16.4	45	+ 2	3.9	+0.9	5.6	0	0	22	00	2	19	1	0	0	0	0	9	0
	2330	278	1012.8	981.2	..	23.2	19.2	16.5	18.8	67	..	1.2	..	8.0	0	0	26	00	0	26	0	0	0	0	0	5	0
COIMBATORE(PILAMEDU)	0530	399	1012.6	966.9	..	18.5	17.6	17.0	19.7	89	..	2.6	..	2.8	0	0	8	02	0	3	0	0	0	1	2	23	0
	0830	399	1014.5	969.3	-0.4	21.2	19.1	17.8	20.6	82	+ 6	3.1	-0.6	6.9	0	0	18	05	9	2	1	0	0	0	1	13	0
	1130	399	1013.2	968.7	..	25.7	20.2	16.5	19.2	58	..	3.3	..	13.7	0	3	26	08	17	4	0	0	0	0	0	2	0
	1430	399	1009.5	965.5	..	28.1	20.2	14.8	17.3	46	..	3.4	..	13.9	0	7	20	01	19	5	0	1	0	1	0	4	0
	1730	399	1009.3	965.3	+0.0	27.8	20.1	14.8	17.4	47	+ 7	3.0	+0.0	12.4	0	4	23	00	16	8	0	2	1	0	0	4	0
	2030	399	1012.3	967.4	..	23.1	18.9	15.9	18.6	65	..	1.7	..	6.1	0	0	16	01	6	5	2	2	0	0	0	15	0
	2330	399	1013.2	968.0	..	20.9	18.5	16.6	19.3	77	..	1.4	..	7.2	0	2	17	03	3	7	C	2	2	2	0	12	0
COIMBATORE	0830	409	1013.8	967.7	-0.8	22.2	19.0	16.8	19.4	72	- 3	4.0	+0.1	3.9	0	0	31	00	25	0	1	0	1	1	3	0	0
NAGAPATTINAM	0830	9	1013.9	1012.8	-0.7	24.3	21.8	20.5	24.1	80	+ 2	3.8	-0.6	8.8	0	3	25	06	3	2	1	0	0	1	15	3	0
	1730	9	1010.6	1009.5	-1.0	26.5	22.7	20.6	24.3	71	- 3	4.0	+0.0	8.6	0	15	16	06	21	3	1	0	0	0	0	0	0
TIRUCHCHIRAPPALLI	0230	88	1011.5	1001.4	..	21.5	20.3	19.7	22.9	90	..	3.3	..	7.0	0	1	21	06	15	1	0	0	0	0	0	9	0
	0530	88	1011.5	1001.4	..	20.9	19.9	19.3	22.4	91	..	3.1	..	6.3	0	0	23	08	11	1	0	1	0	0	2	8	0
	0830	88	1013.8	1003.7	-1.0	23.4	20.9	19.4	22.5	79	+ 0	3.7	+0.3	10.6	0	1	26	08	11	2	0	1	0	2	3	4	0
	1130	88	1013.1	1003.2	..	27.7	22.2	17.6	20.1	55	..	4.2	..	15.7	0	12	19	06	16	3	0	1	0	2	3	0	0
	1430	88	1009.8	999.9	..	29.5	21.4	16.3	18.5	46	..	4.3	..	17.1	0	12	19	06	19	2	0	1	0	1	2	0	0
	1730	88	1009.7	999.8	-0.9	28.5	20.9	16.2	18.4	49	- 5	3.9	+0.2	13.3	0	5	26	02	20	7	0	0	0	0	2	0	0
	2030	88	1012.2	1002.2	..	24.6	21.0	18.8	21.7	71	..	2.7	..	10.3	0	1	28	00	14	13	2	0	0	0	0	2	0
	2330	88	1012.9	1002.8	..	22.5	20.9	20.1	23.5	86	..	2.6	..	8.3	0	0	30	05	18	5	1	0	0	1	0	1	0
VEDARANNIYAM	0830	4	1013.5	1013.0	..	24.3	22.4	21.4	25.5	84	..	4.9	..	6.2	0	0	30	10	12	0	0	2	0	0	6	1	0
	1730	4	1011.4	1010.9	..	26.5	23.1	21.5	25.6	74	..	3.7	..	9.2	0	0	31	07	18	1	1	0	0	0	4	0	0
ATIRAMPATTINAM	0830	6	1013.4	1012.7	..	23.7	21.9	21.0	24.9	85	..	3.3	..	7.4	0	1	30	15	2	1	0	1	0	0	12	0	0
	1730	6	1009.9	1009.2	..	27.5	22.6	20.1	23.5	65	..	3.2	..	7.7	0	0	31	04	12	4	10	1	0	0	0	0	0
MADURAI	0830	133	1013.9	998.5	-0.7	23.7	20.8	19.1	22.3	76	+ 1	4.7	+0.8	5.4	0	0	31	12	5	0	0	0	0	2	11	0	1
MADURAI AERODROME	0530	131	1011.6	996.4	..	20.9	19.6	18.8	21.7	88	..	2.1	..	8.7	0	1	25	15	7	1	0	0	1	2	0	5	0
	0830	131	1013.7	998.7	-0.4	23.6	20.7	19.1	22.1	76	- 1	3.0	-0.7	11.2	0	2	28	17	7	0	0	0	1	1	4	1	0
	1130	131	1012.7	997.9	..	27.9	21.3	17.4	19.9	53	..	3.2	..	15.5	0	10	20	14	13	2	0	0	0	0	1	1	0
	1730	131	1009.3	994.6	-0.5	28.7	21.1	16.5	18.8	49	- 5	3.1	-1.0	16.5	0	12	19	04	22	5	0	0	0	0	0	0	0
TONDI	0830	5	1013.7	1013.1	-0.1	23.9	21.6	20.3	23.8	80	- 1	2.3	-2.6	6.6	0	0	25	19	2	1	0	0	0	0	3	5	0
	1730	5	1010.1	1009.6	-0.3	27.3	22.9	20.7	24.4	69	- 6	2.6	-2.3	16.9	0	8	23	07	13	11	0	0	0	0	0	0	0
PAMBAN	0830	11	1013.1	1011.8	-0.9	25.3	23.4	22.5	27.3	85	+ 4	5.8	+1.6	15.9	0	9	22	13	9	5	0	0	0	1	3	0	0
	1730	11	1010.1	1008.8	-0.8	26.3	23.6	22.2	26.7	78	- 3	6.0	+2.7	15.1	0	7	24	07	21	2	1	0	0	0	0	0	0
TUTICORIN	0830	4	1013.8	1013.4	-0.9	24.6	21.8	20.3	23.8	77	+ 0	2.4	-0.5	13.9	0	4	27	13	12	0	0	0	0	1	5	0	0
	1730	4	1009.7	1009.3	-1.0	27.3	23.7	22.0	26.4	73	- 1	2.1	+0.0	25.4	0	21	10	00	9	17	4	1	0	0	0	0	0
PALAYANKOTTAI	0830	51	1014.5	1008.6	+0.1	24.9	21.4	19.4	22.5	72	- 4	4.3	-0.3	7.9	0	0	31	29	1	0	0	0	0	0	1	0	0
	1730	51	1009.4	1003.7	-0.6	28.8	22.7	19.3	22.5	58	- 1	3.7	-0.5	8.2	0	0	30	00	5	20	4	0	0	1	0	1	0
KANNIYAKUMARI	0830	37	1012.6	1008.5	..	25.3	24.3	18.9	21.9	68	..	3.8	..	19.4	0	15	16	05	26	0	0	0	0	0	0	0	0
	1730	37	1009.3	1005.2	..	27.9	23.1	20.7	24.4	67	..	4.6	..	16.9	0	11	20	02	11	13	3	0	1	1	0	0	0
COASTAL MYSORE																											
KARWAR	0830	4	1013.6	1013.1	-0.1	21.5	19.3	17.9	20.5	81	+ 5	1.5	-0.2	3.0	0	0	30	00	1	23	2	0	0	1	0	1	3
	1730	4	1010.1	1009.5	-0.2	28.7	23.3	20.5	24.1	62	+ 2	1.8	+0.2	5.9	0	0	31	00	0	0	2	0	0	6	19	0	4
HONAVAR	0830	26	1013.2	1010.2	-0.8	21.7	18.3	16.0	18.3	71	+ 3	2.4	-0.2	5.5	0	0	28	00	2	26	0	0	0	0	0	3	0
	1730	26	1009.9	1006.9	-0.5	29.1	22.6	19.0	22.1	55	- 4	1.8	-0.6	7.2	0	0	31	01	0	6	0	0	1	16	7	0	0
MANGALORE(BAJPE)	0230	102	1011.0	999.3	..	22.0	20.1	18.9	22.0	83	..	1.4	..	4.9	0	0	19	01	4	13	1	0	0	0	0	12	0
	0530	102	1011.0	999.3	..	21.1	19.1	17.8	20.5	82	..	1.5	..	8.0	0	2	22	00	1	20	3	0	0	0	0	7	0
	0830	102	1013.1	1001.5	-0.2	23.7	20.1	17.8	20.6	70	+ 0	1.8	-0.5	8.8	0	1	29	00	0	21	9	0	0	0	0	1	0
	1130	102	1012.7	1001.3	..	29.8	21.7	16.6	19.4	46	..	2.1	..	13.7	0	8	22	00	1	14	9	1	1	1	2	1	1

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL MYSORE (CONTD.)																											
MANGALORE(BAJPE).(CONTD.)	1430	102	1009.4	998.1	..	31.1	22.3	16.8	19.7	44	..	2.9	..	15.8	0	9	21	00	2	1	5	0	3	12	5	1	2
	1730	102	1009.1	997.7	-0.4	28.7	22.4	18.7	21.8	56	- 1	2.5	+0.3	16.1	0	4	27	01	0	0	0	0	0	26	4	0	0
	2030	102	1011.6	999.9	..	25.4	21.7	19.5	22.9	70	..	2.2	..	6.8	0	0	22	04	0	0	0	0	0	8	10	9	0
	2330	102	1012.0	1000.5	..	24.0	21.0	19.4	22.4	76	..	1.6	..	6.2	0	0	20	13	4	2	1	0	0	0	0	11	0
MANGALORE	0830	22	1013.2	1010.7	-0.2	23.7	19.5	16.7	19.3	66	- 5	2.9	+0.6	6.5	0	0	31	00	2	19	10	0	0	0	0	0	0
	1730	22	1009.1	1006.7	-0.6	28.9	22.8	19.3	22.7	57	- 4	2.3	+0.2	8.4	0	0	31	02	0	0	0	0	5	10	13	0	1
INTERIOR MYSORE,NORTH																											
BIDAR	0830	664	1015.1	940.5	-0.3	19.9	14.5	10.1	12.6	56	- 6	2.3	+0.4	5.7	0	2	15	01	3	3	5	3	2	0	0	14	0
	1730	664	1010.2	937.5	+0.0	25.9	15.9	7.7	10.8	33	- 2	2.5	-0.4	4.4	0	0	21	00	12	7	1	0	1	0	0	10	0
GULBARGA	0830	458	1015.1	963.0	-0.7	20.3	15.1	10.9	13.4	57	+ 3	2.6	+1.2	5.0	0	0	18	04	6	8	0	0	0	0	0	13	0
	1730	458	1009.5	959.2	-0.5	29.2	17.8	9.1	12.0	30	+ 3	3.1	+1.0	3.8	0	0	23	00	5	17	0	0	0	1	0	8	0
BIJAPUR	0830	594	1015.1	947.9	-0.3	18.6	14.5	11.4	13.6	63	+ 7	2.3	+0.7	4.9	0	0	26	06	2	3	4	7	1	1	2	5	0
	1730	594	1008.9	944.3	-0.3	28.7	18.5	11.9	13.8	32	+ 1	4.3	+1.9	3.0	0	0	28	06	4	4	7	2	1	1	3	3	0
RAICHUR	0830	400	1014.7	969.5	-0.9	22.1	17.2	13.6	15.7	59	- 5	3.6	+2.0	3.8	0	0	20	00	2	0	5	0	10	2	1	11	0
	1730	400	1009.3	965.6	-0.5	28.5	18.0	9.5	12.1	32	+ 0	3.6	+1.4	5.5	0	0	31	00	20	0	6	0	0	1	4	0	0
BELGAUM	0830	753	1016.6	931.9	+1.0	17.2	14.9	13.2	15.3	77	+11	1.3	+0.4	1.0	0	0	7	00	0	6	1	0	0	0	0	24	0
	1730	753	1008.9	927.5	-0.3	27.1	20.5	16.8	19.3	54	+24	2.1	+0.6	4.2	0	0	26	02	1	14	1	2	0	6	0	5	0
BELGAUM(SAMRA)	0530	747	1013.1	928.9	..	15.8	12.9	10.6	12.8	72	..	1.7	..	1.3	0	0	9	00	4	4	1	0	0	0	0	22	0
	0830	747	1014.5	931.0	-0.2	18.6	14.3	11.0	13.1	62	+ 1	2.5	+0.8	3.5	0	0	19	01	9	5	3	0	0	1	0	12	0
	1130	747	1012.9	931.2	..	25.2	16.6	9.9	12.6	40	..	2.6	..	9.9	0	3	27	00	8	11	9	0	1	1	0	1	0
	1430	747	1009.0	928.2	..	27.5	17.0	9.1	11.7	33	..	3.0	..	8.8	0	2	27	00	8	11	6	2	2	0	0	2	0
	1730	747	1008.8	927.9	-0.2	27.1	16.9	9.0	11.9	33	- 3	3.2	+1.2	7.0	0	1	29	01	11	10	2	0	3	3	0	1	0
	2030	747	1012.5	929.9	..	21.8	15.7	11.2	13.4	52	..	1.7	..	4.1	0	0	22	00	6	4	2	0	4	5	1	9	0
GADAG	0530	650	1012.7	939.4	..	17.7	14.5	12.0	14.2	69	..	1.8	..	5.0	0	0	22	00	1	9	9	0	1	1	0	9	1
	0830	650	1014.7	941.6	-0.6	19.4	15.6	12.9	15.0	66	+ 5	1.8	-0.5	5.1	0	0	30	02	8	10	7	0	1	1	1	1	0
	1130	650	1012.8	941.6	..	26.5	17.9	12.1	14.2	42	..	2.3	..	8.5	0	0	28	01	8	15	2	0	0	0	0	3	2
	1430	650	1009.1	938.7	..	28.7	18.4	11.4	13.7	35	..	2.9	..	7.2	0	0	29	00	13	9	3	0	1	2	1	2	0
	1730	650	1009.1	938.5	+0.0	28.0	18.1	11.4	13.6	37	+ 2	3.0	+0.2	4.3	0	0	31	02	18	7	1	0	0	0	3	0	0
	2030	650	1012.4	940.4	..	22.8	16.3	11.6	13.8	50	..	2.0	..	4.5	0	0	23	00	1	14	6	0	0	2	0	8	0
	2330	650	1013.3	940.6	..	20.4	15.4	11.6	13.8	58	..	1.8	..	6.1	0	0	27	00	3	14	6	0	1	1	0	4	2
INTERIOR MYSORE,SOUTH																											
BELLARY	0830	449	1014.9	963.8	-0.5	19.9	16.8	14.4	16.6	72	+ 7	1.5	-0.7	3.0	0	0	12	00	0	5	0	0	0	5	2	19	0
	1730	449	1009.7	960.3	+0.1	28.5	19.7	13.7	15.8	43	+12	2.5	-0.2	5.6	0	0	21	00	0	5	0	0	0	12	4	10	0
CHITRADURGA	0830	733	1014.1	932.2	-0.6	19.2	15.7	13.1	15.3	68	+ 3	2.2	-0.2	6.4	0	0	25	00	0	14	7	0	2	2	0	6	0
	1730	733	1008.7	929.2	-0.3	26.3	17.3	10.5	13.2	38	+ 5	2.4	+0.0	6.6	0	0	30	01	3	23	1	1	0	0	1	1	0
SHIMOGA	0830	571	1014.5	949.8	-0.6	18.0	15.4	13.3	15.6	72	- 4	5.2	+2.8	0.5	0	0	8	00	0	6	1	0	1	0	0	23	0
	1730	571	1007.9	945.7	-0.2	28.3	17.6	9.5	12.3	33	+ 0	4.2	+1.9	2.3	0	0	24	01	3	18	1	0	0	0	1	7	0
AGUMBE	0830		..	..	..	17.5	15.9	14.7	16.9	87	..	.	..	4.2	0	0	29	01	27	1	0	0	0	0	0	2	0
BALEHONNUR	0830	890	..	..	..	18.8	15.7	13.6	15.6	72	- 6	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HASSAN	0830	960	1521.7	908.3	-0.5	16.7	14.7	13.2	15.3	80	+ 6	2.5	+0.1	1.9	0	0	10	00	0	9	0	0	0	1	0	21	0
	1730	960	1507.9	904.9	-0.5	25.8	17.5	11.7	13.9	45	+ 8	3.1	+0.6	1.6	0	0	21	01	6	10	3	0	0	1	0	10	0
BANGALORE	0230	921	1509.0	911.1	..	16.6	15.3	14.3	16.5	87	..	1.9	..	3.2	0	0	14	00	4	8	2	0	0	0	0	17	0
	0830	921	1526.9	912.8	-0.3	17.9	15.8	14.1	16.2	79	+ 2	3.2	-0.5	4.5	0	0	24	00	7	14	2	0	0	0	0	7	1
	1130	921	1536.8	912.6	..	23.4	16.9	12.3	14.5	51	..	3.2	..	6.7	0	0	29	00	16	10	1	0	0	0	0	2	2
	1430	921	1519.9	910.4	..	25.2	17.3	11.6	13.9	44	..	3.5	..	6.8	0	0	29	00	12	16	0	0	0	0	0	2	1
	1730	921	1516.1	910.3	+0.4	24.1	17.0	12.0	14.2	48	+ 8	3.2	+0.3	5.0	0	0	24	01	8	10	2	0	0	0	0	7	3
	2030	921	1522.3	911.9	..	19.8	16.0	13.3	15.4	67	..	1.7	..	3.3	0	0	17	01	6	9	1	0	0	0	0	14	0
BANGALORE AERODROME	0530	897	1499.7	913.0	..	15.4	14.5	13.8	15.8	91	..	2.3	..	2.2	0	0	12	00	3	8	0	1	0	0	0	19	0
	0830	897	1524.9	915.2	-0.6	17.8	15.7	14.2	16.2	79	+ 1	3.0	-0.7	6.5	0	0	22	00	3	17	0	1	0	1	0	9	0
	1130	897	1533.0	914.8	..	23.3	16.3	11.0	13.1	48	..	3.3	..	10.8	0	0	29	02	14	11	1	0	0	1	0	2	0
	1730	897	1508.6	912.1	-0.4	24.2	16.6	11.1	13.2	45	+ 0	3.2	+0.3	9.1	0	1	27	04	11	13	0	0	0	0	0	3	0
	2330	897	1518.0	914.4	..	17.8	15.6	14.1	15.9	79	..	1.5	..	6.1	0	0	20	00	6	13	1	0	0	0	0	11	0
MYSORE	0830	767	1014.5	928.9	-0.3	18.5	15.9	13.9	16.2	76	+ 1	2.9	-0.1	9.3	0	1	30	07	8	4	2	3	4	2	1	0	0
	1730	767	1008.5	925.5	-0.3	26.1	16.6	9.3	11.9	37	+ 7	2.0	-0.9	12.6	0	2	29	02	12	14	0	0	2	1	0	0	0
KERALA																											
CALICUT	0530	5	1011.0	1010.4	..	23.0	20.6	19.3	22.2	80	..	0.4	..	0.2	0	0	3	00	0	3	0	0	0	0	0	28	0
	0830	5	1012.9	1012.3	-0.4	24.1	21.1	19.4	22.5	75	+ 1	1.5	-1.3	2.1	0	0	23	01	22	0	0	0	0	0	0	8	0
	1130	5	1012.7	1012.1	..	29.1	23.9	21.3	25.3	64	..	1.9	..	2.6	0	0	27	00	3	3	1	1	8	7	4	4	0
	1430	5	1010.4	1009.8	..	31.1	25.1	22.3	26.9	61	..	2.2	..	3.3	0	0	29	00	1	5	0	1	4	17	1	2	0
	1730	5	1009.6	1009.0	+0.1	29.4	24.1	21.7	25.9	64	+ 0	2.1	-0.4	4.3	0	0	28	00	1	0	0	0	1	21	5	3	0

TABLE III · SUMMARY OF OBSERVATIONS AT FIXED HOURS – JANUARY 1967 (PAUSA 11 – MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KERALA (CONTD.)																											
CALICUT	2330	5	1012.2	1011.6	..	25.1	23.3	22.5	27.1	85	..	0.8	..	1.2	0	0	16	00	2	5	0	0	1	8	0	15	0
PALGHAT	0830	97	1013.7	1002.6	-0.1	25.3	20.9	18.2	21.1	65	- 2	2.2	-0.1	8.5	0	0	29	00	0	29	0	0	0	0	0	2	0
	1730	97	1008.6	997.8	-0.4	30.9	21.6	15.5	17.6	41	+ 0	3.0	+0.4	5.6	0	0	30	00	0	28	0	0	0	2	0	1	0
FORT COCHIN	0830	3	1012.7	1012.4	-0.5	26.6	22.3	20.0	23.5	68	+ 0	5.0	+1.6	5.2	0	0	30	00	18	10	2	0	0	0	0	1	0
	1730	3	1009.0	1008.7	-0.2	28.3	23.7	21.4	25.5	67	+ 3	5.3	+2.1	9.7	0	0	30	00	0	0	1	0	7	14	8	1	0
COCHIN (NAVAL AIR STATION)	0230	3	1011.0	1010.7	..	23.7	22.1	21.2	25.3	86	..	3.8	..	2.6	0	0	14	00	2	8	2	1	0	1	0	17	0
	0530	3	1010.5	1010.2	..	22.7	21.3	20.5	24.1	87	..	3.4	..	1.5	0	0	10	00	4	4	1	0	0	1	0	21	0
	0830	3	1012.9	1012.6	..	24.8	21.7	19.9	23.5	75	..	3.6	..	5.1	0	0	24	01	12	11	0	0	0	0	0	7	0
	1130	3	1012.7	1012.4	..	29.1	23.1	20.1	23.4	59	..	3.3	..	6.5	0	0	25	01	5	5	1	1	3	4	5	6	0
	1730	3	1009.1	1008.8	..	29.1	23.3	20.5	23.8	61	..	3.3	..	13.5	0	0	31	00	0	0	1	0	12	14	4	0	0
	2330	3	1012.2	1011.9	..	25.0	22.8	21.7	26.0	82	..	4.1	..	2.3	0	0	14	00	6	4	0	2	1	1	0	17	0
ALLEPPEY	0830	4	1012.5	1012.1	-0.2	25.2	22.9	21.7	25.9	81	+ 7	3.4	-0.5	5.4	0	0	31	00	10	9	12	0	0	0	0	0	0
	1730	4	1009.1	1008.7	+0.1	29.5	24.4	21.9	26.3	64	- 4	2.5	-1.0	19.2	0	19	12	00	0	0	0	0	0	8	23	0	0
PUNALUR	0830	34	1012.7	1008.8	-0.1	23.3	24.4	20.4	23.9	84	+ 7	3.2	-0.1	0.3	0	0	2	00	0	1	1	0	0	0	0	29	0
	1730	34	1008.6	1004.8	-0.1	30.9	23.0	18.5	21.3	49	+ 0	5.2	+1.2	6.1	0	0	25	00	1	5	6	7	3	3	0	6	0
TRIVANDRUM	0230	64	1010.5	1003.1	..	23.9	22.2	21.3	25.3	86	..	2.1	..	3.1	0	0	15	01	8	5	1	0	0	0	0	16	0
	0530	64	1010.5	1003.1	..	23.0	21.3	20.4	23.8	86	..	2.2	..	5.1	0	0	26	02	22	2	0	0	0	0	0	5	0
	0830	64	1012.5	1005.1	-0.3	24.9	21.8	20.1	23.5	75	- 2	2.6	+0.0	2.4	0	0	17	01	12	3	0	1	0	0	0	14	0
	1130	64	1011.9	1004.7	..	29.9	22.8	18.8	21.8	53	..	3.7	..	5.0	0	0	22	02	5	1	1	0	2	6	5	9	0
	1430	64	1009.1	1001.9	..	30.0	23.5	20.1	23.5	56	..	3.4	..	11.2	0	0	31	00	1	0	0	3	14	10	3	0	0
	1730	64	1009.4	1002.1	-0.1	28.3	23.1	20.3	24.1	63	+ 0	3.8	+0.3	8.1	0	0	29	01	2	0	1	1	10	10	4	2	0
	2030	64	1011.7	1004.4	..	26.1	22.9	21.3	25.3	75	..	3.3	..	3.2	0	1	17	00	4	0	2	0	4	2	6	13	0
	2330	64	1012.2	1004.8	..	25.0	22.7	21.5	25.6	81	..	3.8	..	4.5	0	0	24	02	11	4	5	0	0	0	2	7	0
TRIVANDRUM AERODROME	0830	8	1012.8	1011.9	+0.3	25.9	22.2	20.1	23.8	72	- 1	3.6	+0.6	4.4	0	0	15	01	12	2	0	0	0	0	0	16	0
ARABIAN SEA ISLANDS																											
AMINI	0530	4	1010.2	1009.7	..	24.5	22.1	20.8	24.7	80	..	2.6	..	7.4	0	1	25	12	12	0	0	0	0	0	2	5	0
	0830	4	1012.4	1011.9	-0.7	25.8	22.9	21.4	25.6	77	+ 3	3.0	+0.1	6.8	0	2	23	10	12	2	0	0	0	0	1	6	0
	1130	4	1012.6	1012.1	..	29.3	24.1	21.5	25.8	63	..	2.7	..	12.3	0	4	26	10	8	3	0	0	0	0	0	1	0
	1730	4	1009.3	1008.8	..	28.8	24.2	22.0	26.4	68	..	3.5	..	11.2	0	5	26	15	8	5	1	0	0	0	2	0	0
	2330	4	1011.7	1011.2	..	25.4	22.7	21.2	25.3	78	..	2.3	..	8.5	0	2	24	17	9	0	0	0	0	0	0	5	0
AGATTI	0830	4	1011.9	1011.4	..	26.0	22.3	21.0	23.8	75	..	4.5	..	3.5	0	0	31	15	13	1	0	0	0	0	2	0	0
	1730	4	1009.9	1009.5	..	28.3	23.8	21.6	25.6	67	..	4.7	..	6.3	0	1	30	16	8	1	0	0	0	0	6	0	0
ANDROTH	0830	5	1012.9	1012.4	..	26.7	23.4	21.7	25.9	75	..	3.1	..	3.7	0	0	27	10	13	0	0	0	0	0	1	4	3
	1730a	5	1009.9	1009.5	..	28.0	23.9	21.8	26.1	69	..	3.5	..	3.9	0	0	18	14	3	0	0	0	0	0	1	17	0
MINICOY	0530	2	1010.7	1010.5	..	23.8	21.5	19.8	24.0	81	..	2.8	..	4.4	0	0	18	08	4	2	1	0	1	1	1	13	0
	0830	2	1012.7	1010.5	-2.0	26.3	22.1	22.2	25.3	74	- 5	3.2	-0.4	5.3	0	0	22	09	4	3	4	0	0	0	2	9	0
	1130	2	1012.7	1012.5	..	28.6	23.8	21.0	24.9	61	..	3.5	..	8.8	0	0	31	11	11	4	2	0	0	0	3	0	0
	1430	2	1010.1	1009.9	..	29.5	24.0	21.2	25.0	62	..	3.7	..	8.8	0	0	30	09	10	7	2	0	0	0	1	1	1
	1730	2	1009.9	1009.7	+0.0	28.4	23.5	21.1	25.1	65	- 7	3.9	-0.1	7.0	0	0	28	08	10	5	3	0	0	0	2	3	0
	2030	2	1011.9	1011.7	..	25.8	22.5	20.8	24.6	74	..	3.2	..	5.6	0	1	22	08	9	5	1	0	0	0	0	8	0
	2330	2	1012.4	1012.2	..	25.0	22.3	20.8	24.7	78	..	3.3	..	6.6	0	0	24	06	9	5	2	1	0	0	1	7	0
HILL STATIONS (EXCLUDING KASHMIR)																											
DALHOUSIE	0830	1959	1458.8	800.2	+0.7	5.2	2.1	- 3.3	4.6	61	- 6	.	..	2.1	0	0	21	01	5	0	10	0	1	1	3	10	0
	1730	1959	1456.3	800.0	+1.0	6.2	3.4	- 0.5	5.9	65	- 9	.	..	1.4	0	0	14	00	6	0	2	0	4	1	1	17	0
DHARMASALA	0830	1211	1560.0	886.5	+0.5	9.6	6.0	- 1.6	5.3	47	-15	3.2	-0.4	1.2	0	0	18	03	6	2	0	0	0	4	3	13	0
	1730	1211	1545.2	885.0	-0.2	12.9	7.1	- 0.8	5.7	41	-22	3.9	-0.4	2.1	0	0	30	01	1	0	0	2	18	8	0	1	0
BHUJTAK	0830	1096	1521.9	896.3	..	1.7	1.2	0.4	6.3	91	..	2.9	..	1.9	0	0	19	08	2	0	0	2	1	1	5	12	0
	1130	1096	1529.7	895.9	..	9.2	5.4	0.1	6.1	54	..	3.3	..	3.3	0	0	22	03	2	4	7	5	0	0	1	9	0
	1730	1096	1500.3	892.3	..	11.6	6.7	0.0	6.1	46	..	4.1	..	7.1	0	3	22	04	0	2	5	3	4	3	4	6	0
SIMLA	0830	2202	1506.1	781.3	-0.4	5.0	0.9	- 6.5	3.5	51	+ 3	1.9	-1.8	0.8	0	0	12	00	3	0	7	2	0	0	0	19	0
	1730	2202	1498.5	780.9	-0.2	5.7	1.7	- 5.2	3.9	50	-12	2.3	-2.3	1.5	0	0	23	00	2	0	14	1	4	0	2	8	0
GHANGARIA (KANJALIA TOK)	0830		..	..	..	- 1.0	- 4.4	-16.6	1.4	36	..	0.5	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BADRINATH	0830		Functions during May to October only every year																								
JOSHIMATH	0830		..	..	..	4.4	- 0.1	- 8.3	3.0	40	- 7	1.2	-1.6	6.0	0	0	31	00	0	15	9	4	3	0	0	0	0
	1730		..	..	..	10.0	3.0	- 9.1	2.8	27	-20	2.4	-1.0	5.3	0	0	31	01	2	4	2	7	10	3	2	0	0
MUSSOORIE	0830	2042	1508.5	797.1	-1.1	6.2	1.4	- 6.5	3.5	39	-19	1.9	-2.0	1.9	0	0	20	05	3	0	5	5	0	0	2	11	0
	1730	2042	1496.2	796.0	-1.2	6.8	3.7	- 0.5	5.9	62	-10	2.2	-2.4	2.8	0	0	24	08	6	0	3	3	1	0	3	7	0
MUKTESWAR (KUMAUN)	0830	2311	3116.0	773.2	+0.7	5.3	0.1	-11.0	2.4	36	-14	1.2	-1.7	10.0	0	5	25	01	5	11	1	1	3	4	4	1	0
	1730	2311	3105.6	772.0	+0.6	6.0	1.6	- 6.5	3.5	46	-16	1.8	-3.2	9.9	0	4	25	00	0	2	2	0	7	12	6	2	0
NAINITAL	0830	1953	1518.5	806.3	+0.7	4.3	1.4	- 3.5	4.6	61	- 5	1.4	-1.8	4.6	0	1	17	00	2	2	2	0	0	6	6	13	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HILL STATIONS(EXCLUDING KASHMIR) (CONTD.)																											
NAINITAL	1730	1953	1497.9	804.5	+0.3	5.4	2.3	- 2.4	5.0	60	-13	1.1	-2.4	6.5	0	0	31	00	0	0	0	0	0	31	0	0	0
KALIMPONG	0830	1209	1519.9	882.2	+0.8	12.9	9.6	6.3	9.5	65	-13	0.0	-3.1	6.7	0	0	31	00	0	0	0	0	0	0	31	0	0
	1730	1209	1505.7	880.6	+1.6	13.6	10.5	7.6	10.4	68	-11	0.0	-3.3	6.2	0	0	31	00	0	0	29	0	2	0	0	0	0
DARJEELING	0830	2128	1540.7	792.4	+0.4	7.8	4.4	0.2	6.2	60	- 9	2.1	-1.6	1.4	0	0	12	09	0	0	0	0	3	0	0	19	0
	1730	2128	1520.1	790.2	+0.3	6.7	4.7	2.5	7.3	75	- 7	3.8	-1.2	1.4	0	0	11	02	0	0	0	0	7	2	0	20	0
KOHIMA	0830	1406	(R)																								
	1730	1406	(R)																								
SHILLONG(C.S.O.)	0830	1598	1519.7	842.3	+0.7	11.9	6.9	0.9	6.5	50	-15	1.4	-0.2	7.0	0	5	12	00	0	5	3	2	3	4	0	14	0
	1730	1598	1501.2	840.4	+1.1	10.5	9.1	7.9	10.7	84	+ 3	4.2	-1.6	1.0	0	1	3	00	0	0	0	0	3	1	0	27	0
CHERRAPUNJI	0830	1315	1518.6	871.0	-0.7	14.2	9.9	5.7	9.1	57	- 6	1.0	-0.8	6.3	0	0	31	01	22	0	0	0	7	0	1	0	0
	1730	1315	1517.8	870.8	+1.5	14.2	10.4	6.8	9.9	62	-18	0.9	-2.2	5.8	0	0	31	00	27	0	0	0	4	0	0	0	0
ABU	0830	1195	1498.2	881.7	-2.1	10.3	4.3	- 6.3	3.6	32	-16	0.0	-1.5	0.1	0	0	1	00	0	0	0	0	0	1	0	30	0
	1730	1195	1520.0	883.4	+1.0	15.8	7.6	- 4.9	4.0	26	-14	0.4	-1.1	1.7	0	0	11	09	0	0	0	0	1	1	0	20	0
AIJAL	0830		(R)																								
	1730		(R)																								
PACHMARHI	0830	1075	1525.3	897.2	-0.6	11.8	7.6	2.3	7.4	54	-11	1.1	-1.6	1.1	0	0	12	00	0	4	0	3	0	3	2	19	0
	1730	1075	1518.0	895.1	-0.4	19.5	11.2	1.6	7.3	32	-17	1.2	-1.5	2.5	0	0	29	02	6	1	0	0	2	2	16	2	0
MAHABALESHWAR	0830	1382	1525.0	864.7	-0.7	14.9	10.4	5.6	9.3	56	+ 2	0.1	-1.2	9.2	0	0	31	00	18	0	8	0	2	0	3	0	0
	1730	1382	1515.0	863.4	+0.0	22.0	14.6	8.7	11.2	43	- 6	0.0	-1.5	9.0	0	0	31	00	17	0	2	0	3	0	9	0	0
MERCARA	0830	1152	1526.7	887.7	-0.1	16.7	14.2	12.1	14.4	75	- 4	2.7	+0.0	7.4	0	5	24	02	22	4	0	0	0	0	0	2	1
	1730	1152	1503.2	885.2	-0.3	23.7	15.5	10.4	11.9	49	- 6	2.5	-0.2	11.5	0	1	29	02	20	2	0	0	0	3	2	1	1
OOTACAMUND	0830	2249	1531.0	780.7	-0.1	9.1	6.1	2.3	7.5	64	- 3	1.5	-0.3	0.4	0	0	3	00	2	1	0	0	0	0	0	26	0
	1730	2249	1491.6	778.3	-1.0	14.8	11.0	7.7	10.7	65	- 1	3.1	-0.1	0.6	0	0	9	01	2	6	0	0	0	0	0	22	0
COONOOR	0830	1747	..	..	..	15.1	11.3	7.9	10.9	64	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KODAIKANAL	0830	2343	3151.5	771.8	-0.7	12.1	7.9	2.1	8.0	60	+ 1	2.8	-0.1	8.1	0	2	26	04	7	5	4	0	1	1	6	3	0
	1130	2343	3161.6	771.9	..	15.5	10.9	6.8	10.1	59	..	3.4	..	9.0	0	2	26	06	7	4	3	1	0	1	6	3	0
	1730	2343	3135.3	770.2	-0.8	12.4	10.7	9.3	11.8	82	+ 3	5.3	+0.3	5.2	0	0	23	03	1	0	5	2	0	7	5	8	0
NEPAL																											
KATMANDU	0830	1324	1525.5	871.5	-0.8	2.7	2.1	1.1	6.7	89	+ 1	0.8	-4.6	0.1	0	0	1	00	0	0	0	0	0	0	1	30	0
	1130	1324	1523.2	870.4	..	14.6	8.8	2.2	7.2	44	..	1.0	..	0.3	0	0	3	00	0	1	0	0	0	0	2	28	0
	1730	1324	1500.7	868.3	-1.0	12.3	8.0	3.0	7.6	53	-14	0.7	-2.2	0.8	0	0	7	02	0	0	2	0	0	1	2	24	0
SIKKIM																											
LACHEN.	0830		(R)																								
HYDROMETEOROLOGICAL OBSERVATORIES																											
DAMODAR CATCHMENT																											
TILAIYA	0830		..	..	..	15.1	10.7	5.6	9.1	55	..	0.7	..	2.5	0	0	11	00	0	0	1	0	4	5	1	20	0
	1730		..	..	..	21.4	12.8	2.7	7.4	31	..	0.7	..	1.9	0	0	12	01	1	0	0	0	0	2	8	19	0
HAZARIBAGH	0830	615	1017.1	946.6	..	15.6	11.7	8.3	10.9	63	..	0.6	..	4.6	0	0	26	03	4	8	3	1	0	2	5	5	0
	1730	615	1013.2	943.7	..	18.7	13.5	9.2	11.6	55	..	1.1	..	2.6	0	0	19	02	0	4	0	1	0	2	10	12	0
KONAR	0830		..	..	..	18.1	13.4	9.0	11.5	56	..	0.1	..	4.4	0	0	31	00	3	1	0	0	0	18	9	0	0
	1730		..	..	..	20.2	15.7	12.0	14.0	60	..	0.1	..	4.3	0	0	31	00	3	1	0	0	0	23	4	0	0
BOKARO	0830	242	1016.9	988.4	..	14.7	11.0	7.0	10.0	61	..	1.2	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	242	1011.7	984.2	..	22.9	16.5	11.2	13.3	50	..	1.2	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
MAITHON	0830		..	..	..	20.1	13.4	6.4	9.6	43	..	1.5	..	1.1	0	0	15	00	0	0	6	0	1	0	8	16	0
	1730		..	..	..	24.2	15.0	5.9	9.3	32	..	1.1	..	0.9	0	0	13	00	2	0	2	0	0	0	9	18	0
RAMGARH	0830		..	..	..	14.7	11.9	9.1	11.5	70	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	18.9	15.1	12.0	14.0	67	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
PANCHET HILLS	0830		..	..	..	16.9	12.5	8.1	10.8	57	..	1.2	..	2.5	0	0	17	00	2	0	3	0	2	0	10	14	0
	1730		..	..	..	22.7	15.0	8.2	10.9	41	..	1.3	..	0.7	0	0	6	00	1	0	0	0	1	0	4	25	0
DURGAPUR	0830		..	..	..	17.5	13.0	8.6	11.2	57	..	1.8	..	3.7	0	0	22	08	2	2	0	0	0	0	10	9	0
	1730		..	..	..	23.0	15.1	7.5	10.4	39	..	1.0	..	2.6	0	0	22	09	4	2	1	1	0	0	5	9	0
MAHANADI CATCHMENT																											
GINABAHAR	0830		..	..	..	15.4	11.6	7.9	10.9	64	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	1016.8	998.3	..	19.7	15.7	12.6	14.6	64	..	1.4	..	4.2	0	0	25	12	7	4	1	1	0	0	0	6	0
	1130	159	1015.6	997.4	..	24.8	17.8	12.7	14.7	48	..	1.3	..	5.4	0	0	31	05	8	2	2	2	5	4	3	0	0
	1730	159	1012.9	994.8	..	24.7	17.9	13.0	15.0	49	..	1.9	..	2.0	0	0	17	02	1	2	3	2	1	4	1	14	1
BHIMKUND	0830		..	..	..	17.1	14.9	13.2	15.2	77	..	2.6	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	22.4	17.0	13.0	15.0	56	..	2.9	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SONEPUR	0830		..	..	..	18.8	16.3	14.5	16.5	76	..	.	..	5.0	0	0	23	00	0	23	0	0	0	0	0	8	0
KHIJRAWAN	0830		..	..	..	17.9	13.8	10.2	12.4	62	..	.	..	5.1	0	0	29	02	3	7	8	2	3	3	1	2	0
	1730		..	..	..	25.1	16.0	7.7	10.8	36	..	.	..	6.3	0	0	29	03	6	4	3	1	4	2	6	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JANUARY 1967 (PAUSA 11 – MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NARMADA CATCHMENT																											
BAGRA TAWA	0830		..	..	..	14.1	9.4	3.2	8.0	50	..	0.4	..	14.0	0	9	17	02	18	3	1	1	1	0	0	5	0
	1730		..	..	..	24.7	15.0	5.4	9.2	30	..	0.5	..	9.3	0	0	28	00	21	1	0	0	1	3	2	3	0
PUNASA	0830		..	..	..	17.3	10.3	1.1	6.9	35	..	.	..	8.8	0	2	28	00	26	1	1	0	2	0	0	1	0
	1730		..	..	..	24.5	14.6	4.3	8.7	29	..	.	..	5.0	0	0	30	00	25	0	2	0	3	0	0	1	0
THIKRI	0830		..	..	..	18.6	10.8	0.7	6.7	31	..	0.9	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																											
DAROI	0830		..	..	..	13.6	7.1	- 4.4	4.8	32	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	25.7	14.0	0.5	6.5	20	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GANDAK CATCHMENT																											
JAMOSOM	0830		..	..	..	- 0.4	-1.0[1]	- 2.4[1]	5.1[1]	85[1]	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	5.7	2.3	- 1.9	5.3	60	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	0830		..	..	..	10.2	7.0	3.1	7.7	62	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	16.2	10.6	4.9	8.7	47	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830		..	..	..	5.0	0.3[a]	- 8.6[a]	3.1[a]	40[a]	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	11.7	5.2	- 3.7	4.6	34	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
POKHARA	0830		..	..	..	10.7	7.4	3.6	7.9	62	..	0.8	..	1.2	0	0	14	11	1	0	0	0	0	0	2	17	0
	1130		..	..	..	16.9	10.5	3.9	8.1	42	..	0.9	..	3.9	0	0	27	00	0	0	13	13	1	0	0	4	0
	1730		..	..	..	16.1	10.4	4.6	8.5	47	..	1.0	..	0.6	0	0	9	00	0	2	6	1	0	0	0	22	0
GORKHA	0830		..	..	..	11.9	8.1	3.7	8.0	58	..	0.3	..	..	.	..	..	07	2	1	1	2	9	0	0	9	0
	1130		..	..	..	15.9	10.5	5.1	8.9	49	..	0.8	..	..	.	..	..	00	0	0	2	8	20	0	1	0	0
	1730		..	..	..	14.1	9.6	5.0	8.8	55	..	0.7	..	..	.	..	..	00	1	0	1	4	9	2	0	17	0
NUWAKOT	0830																										
	1730																										
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																											
DAILEKH	0830		..	..	..	10.3	6.9	2.5	7.5	60	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	12.5	8.6	3.9	8.4	59	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT																											
DADELDHURA	0830																										
	1130		Temporarily closed from 28.5.1966																								
	1730																										
SALLYANA	0830		..	..	..	10.2	5.5	- 1.1	5.7	47	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	13.4	8.2	1.8	7.0	47	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BUTWAL	0830		..	..	..	16.0	11.4	6.7	9.9	55	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	17.9	13.3	8.9	11.4	57	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BAGHMATI CATCHMENT																											
KATMANDU	0830																										
	1130																										
	1730		Data included under Nepal.																								
KOSI CATCHMENT																											
CHAUTARA	0830																										
	1730		Temporarily closed from August 1966																								
WALUNGCHUNG GOLA	0830		..	..	..	2.2	..	..	..	..	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	0.2	- 1.7[1]	- 6.3[1]	3.8[1]	62[1]	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHOK	0830		..	..	..	9.3	5.7	0.8	6.5	57	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	13.0	7.3	0.1	6.2	41	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BHOJPUR	0830		..	..	..	11.3	7.1	2.5	7.3	56	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	9.8	7.1	4.2	8.3	69	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLEJUNG	0830		..	..	..	6.6	3.7	0.0	5.9	64	..	1.3	..	..	.	..	..	01	2	0	0	2	0	0	0	26	0
	1130		..	..	..	12.8	7.2	1.0	6.5	45	..	1.6	..	..	.	..	..	03	0	1	2	4	2	7	2	10	0
	1730		..	..	..	10.0	6.0	1.5	6.7	56	..	1.8	..	..	.	..	..	00	0	0	3	22	0	1	0	5	0
OKHALDHUNGA	0830		..	..	..	9.1	5.2	0.3	6.3	55	..	0.2	..	1.1	0	0	11	00	1	0	3	4	0	1	2	20	0
	1130		..	..	..	13.4	7.1	- 0.1	6.1	40	..	0.5	..	1.8	0	0	17	01	0	1	0	6	4	2	3	14	0
	1730		..	..	..	9.0	5.7	2.0	7.1	63	..	0.9	..	2.1	0	0	19	00	1	0	0	2	0	13	3	12	0
CHAINPUR	0830		..	..	..	11.5	8.3	4.9	8.7	64	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	12.9	10.3	7.9	10.6	72	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ANGBUNG	0830		#																								
	1730																										
BARAHAKSHETRA	0830	146	1016.3	1001.0	..	13.7	10.7	7.7	10.6	68	..	0.7	..	3.0	0	0	27	00	4	9	6	0	3	3	1	4	1
	1130	146	1016.6	999.7	..	20.6	14.1	8.2	10.9	46	..	0.7	..	3.0	0	0	25	00	0	1	0	3	10	7	4	6	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JANUARY 1967 (PAUSA 11 - MAGHA 11, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations											
			At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point				Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction								
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
KOSI CATCHMENT (CONTD.)																										
BARAHAKSHETRA.....	1730	146	1014.0	997.0	..	17.7	13.7	10.3	12.6	62	..	1.0	..	1.7	0	0	25	00	3	17	5	0	0	0	0	6
TISTA CATCHMENT																										
GANGTOK	0830	1812	1525.9	821.3	..	6.6	4.5	2.1	7.1	73	..	2.3	..	1.1	0	0	10	00	9	0	0	1	0	0	0	21
	1130	1812	1513.9	820.8	..	13.1	8.1	3.1	7.6	52	..	2.7	..	5.1	0	0	27	00	0	0	0	9	17	1	0	4
	1730	1812	1499.6	815.0	..	9.3	6.7	4.1	8.2	70	..	4.8	..	4.1	0	2	19	00	1	1	4	10	4	1	0	10
GEZING.....	0830		..	..	..	10.1	6.9	3.4	7.8	63	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	11.1	8.0	5.0	8.8	67	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..
RAJASTHAN, WEST																										
BIKANER P.B.O.....	2030	4	1018.6	991.8	..	11.7	6.3	- 2.2	5.1	41	..	0.7	..	0.7	0	0	6	03	2	0	0	0	0	1	0	25

MONTHLY MEANS OF UPPER WINDS

During the month, observations of velocity and direction of upper winds were made at 55 stations in India. Out of these, at 40 stations all the observations were taken by means of pilot balloons and at 15 stations some observations were made by means of pilot balloons while the other observations by the radiowind method. In the case of Bangalore, the observations were taken by following radiosonde balloon by means of an optical theodolite. Particulars of these stations, their co-ordinates and the approximate times of the regular pilot balloon and rawin ascents at each station are given in the table overleaf. All radiowind ascents have been indicated by means of an asterisk (*) against the scheduled hours.

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

Data upto 9.0 km. above mean sea level are given under Table IV and data above 9.0 km. above mean sea level under Table V.

In Tables IV and V :

N = represents the number of observations;

S = represents the mean wind speed in metres per second irrespective of direction;

V = represents the resultant mean velocity in metres per second;

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

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

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

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS IN INDIA

S.No.	Station	Latitude ° ' N	Longitude ° ' E	Height of anemometer head a.m.s.l. in metres	Date of Opening	Approximate times of flight (I.S.T.)			
1.	Agartala	23 53	91 15	17	28th Nov. 1951	0530		1730	2330
2.	Ahmadabad	23 04	72 38	61	19th May. 1928	0530*	1130	1730*	2330
3.	Allahabad/Bamhrauli	25 27	81 44	103	28th Feb. 1930	0530*		1730	2330
4.	Ambala	30 23	76 46	279	1st Apr. 1941	0530	1130	1730	2330
5.	Amini	11 07	72 44	14	15th May. 1965	0530		1730	2330
6.	Anantapur	14 41	77 37	365	12th Feb. 1946	0530		1730	2330
7.	Asansol	23 41	86 59	135	29th May. 1942	0530		17 30	2330
8.	Aurangabad/Chikalthan	19 51	75 24	583	7th Oct. 1951	0530		1730	2330
9.	Bahraich	27 34	81 36	134	1st Oct. 1961	0530	1130	1730	
10.	Bangalore	12 58	77 35	936	19th May. 1915	0530@	1130	1730@	2330
11.	Bareilly	28 22	79 24	181	12th Jan. 1943	0530		1730	
12.	Begampet	17 27	73 28	543	1st Sep. 1929	0530	1130	1730	2330
13.	bhagalpur	25 14	86 57	61	19th May. 1950	0530		1730	
14.	Bhopal/Bairagarh	23 17	77 21	532	26th Feb. 1943	0530		1730	2330
15.	Bhubaneshwar	20 15	85 50	54	5th Dec. 1942	0530		1730	2330
16.	Bhuj/Rudramata	23 15	69 48	90	14th Sep. 1937	0530		1730	2330
17.	Bikaner	23 00	73 18	229	18th Oct. 1946	0530		1730	2330
18.	Bombay/Santacruz	19 07	72 51	27	14th May. 1933	0530*	1130	1730*	2330
19.	Calcutta/Dum Dum	22 39	88 27	13	14th May. 1921	0530*	1130	1730*	2330
20.	Cochin/Willingdon +	09 56	76 14	13	16th Mar. 1942	0530		1730	2330
21.	Dehra Dun	30 19	78 03	692	1st Oct. 1958	0530		1730	
22.	Dibrugarh/Mohanbari	27 29	95 01	112	1st Jan. 1948	0530	1130	1730	2330
23.	Gadag	15 25	75 38	650	3rd May. 1943	0530		1730	2330
24.	Gangtok	27 20	88 16	1764	1st May. 1963	0530		1730	
25.	Gauhati	26 05	91 43	55	12th Mar. 1955	0530*	1130	1730*	2330
26.	Gaya	24 45	84 57	119	19th Mar. 1937	0530		1730	2330
27.	Goa/Dabolim	15 23	73 49	228	Jul. 1965	0530		1730	2330
28.	Gopalpur	19 16	84 53	24	15th Feb. 1946	0530		1730	2330
29.	Gorakhpur	26 45	83 22	83	5th Jan. 1943	0530		1730	
30.	Gwalior	26 14	78 15	208	7th May. 1938	0530	1130	1730	2330
31.	Imphal/Tulihal	24 46	93 54	782	8th Mar. 1952	0530	1130	1730	2330
32.	Jabalpur	23 10	79 57	402	30th Jul. 1928	0530		1730	2330
33.	Jagdalpur	19 05	82 02	562	25th Mar. 1948	0530		1730	2330
34.	Jaipur/Sanganer	26 49	75 48	403	6th Jun. 1953	0530		1730	2330
35.	Jamshedpur	22 49	86 11	144	23rd Jul. 1942	0530		1730	
36.	Jharsuguda	21 55	84 05	240	1st May. 1944	0530		1730	2330
37.	Jodhpur	26 18	73 01	229	15th Oct. 1934	0530*	1130	1730*	2330
38.	Lucknow/Amausi	26 45	80 53	133	10th Nov. 1950	0530*	1130	1730*	2330
39.	Madras/Minambakkam	13 00	80 11	29	8th Apr. 1926	0530*	1130	1730*	2330
40.	Mangalore/Bajpe	12 55	74 53	104	25th May. 1959	0530		1730	2330
41.	Minicoy	08 18	73 00	15	14th Apr. 1941	0530	1130	1730*	2330
42.	Nagpur/Sonegaon	21 06	79 03	316	23rd Apr. 1943	0530*	1130	1730*	2330
43.	New Delhi/Safdarjung	28 35	77 12	227	20th Oct. 1936	0530*	1130	1730*	2330
44.	Poona	18 32	73 51	593	5th Jan. 1925	0530		1730	2330
45.	Port Blair	11 40	92 43	95	29th Oct. 1945	0530*	1130	1730*	2330

* Radiowind ascents.
@ Radiosonde ascents followed by optical theodolite.
\+ Naval Meteorological Office.

.No.	Station	Latitude	Longitude	Height of anemometer head a.m.s.l. in metres	Date of opening	Approximate times of flight (I.S.T.)			
		° ' N	° ' E						
6.	Raipur	21 14	81 39	308	15th Jul. 1944	0530		1730	2330
7.	Raxaul	26 59	84 51	83	28th Oct. 1957	0530		1730	
8.	Srinagar	34 05	74 48	1595	1st Aug. 1962	0530*		1730*	
9.	Tiruchchirappalli	10 46	78 43	96	22nd Jun. 1936	0530		1730	2330
0.	Trivandrum	08 29	76 57	73	8th Dec. 1928	0530*	1130	1730*	2330
1.	Udaipur	24 35	73 42	587	24th Jun. 1947	0530		1730	2330
2.	Vengurla	15 52	73 38	8	22nd Nov. 1941	0530		1730	2330
3.	Veraval	20 54	70 22	17	13th Oct. 1941	0530		1730	2330
4.	Vijaywada/Gannavaram	16 32	80 48	32	8th Apr. 1942	0530		1730	2330
5.	Vishakhapatnam	17 43	83 14	10	24th Sep. 1928	0530*	1130	1730*	2330

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JANUARY 1967.(PAUSA 11 - MAGHA 11.1888 SAKA)

STATION	AGARTALA												AHMADABAD											
TIME IN I.S.T.	0530				1730				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.7	00.5	018	31	01.2	00.8	300	29	00.7	00.4	301	31	01.8	01.6	034	31	04.3	03.8	062	31	03.0	02.3	009
.15 A.G.L.	28	03.2	02.0	013	30	03.3	02.0	302	29	04.2	02.3	320	31	08.5	07.3	042	31	05.5	04.9	065	31	05.8	04.6	359
.3A.M.S.L.	28	03.7	02.3	010	30	03.4	01.9	306	29	04.2	02.5	317	31	08.6	07.6	047	31	05.8	05.1	067	31	05.6	04.5	360
.6 ,,	27	03.9	02.5	022	30	03.1	01.6	295	29	03.8	02.2	309	31	07.7	06.4	058	31	05.6	04.5	063	31	05.3	04.3	008
.9 ,,	27	03.8	02.0	011	30	03.4	01.5	274	29	03.8	01.8	312	31	06.3	04.6	051	31	04.7	03.0	051	31	05.3	04.1	016
1.5 ,,	27	05.3	03.0	307	30	04.1	02.7	269	27	04.4	02.7	281	31	04.7	02.3	335	31	03.8	01.4	327	31	04.7	02.3	353
2.1 ,,	27	07.1	05.8	286	28	06.4	05.7	275	26	06.5	05.8	268	31	05.6	03.7	290	31	05.0	03.2	273	31	06.1	04.3	282
3.0 ,,	26	10.1	09.3	279	25	10.5	10.0	274	23	10.5	09.9	267	31	08.6	07.2	286	31	07.3	06.7	280	31	08.8	07.1	286
3.6 ,,	26	13.7	12.9	273	25	15.2	14.9	272	03	07.7	07.6	283	31	11.0	09.9	282	31	10.1	09.3	285	31	11.9	10.8	282
4.5 ,,	21	16.9	16.0	262	24	18.7	18.1	266	01	13.0	13.0	255	31	16.0	14.0	278	31	15.1	14.5	282	31	17.4	15.5	283
5.4 ,,	15	21.0	19.7	260	21	21.1	20.2	265					31	20.4	19.0	278	31	19.8	18.8	282	31	22.4	20.1	281
6.0 ,,	11	21.2	18.9	258	18	23.5	22.2	264					31	24.0	22.3	280	31	22.5	21.5	280	30	25.4	23.9	274
7.2 ,,	05	26.6	25.2	250	11	28.6	27.7	262					31	30.6	28.7	277	28	26.6	25.4	278	29	33.7	31.1	274
9.0 ,,					02	32.5	32.4	247					28	39.5	37.1	277	17	31.4	29.4	280	23	39.6	38.7	274

STATION	AHMADABAD				ALLAHABAD/BAMHRAULI												AMBALA							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.0	00.9	020	31	00.3	00.3	275	31	01.0	00.7	284	31	00.3	00.1	324	31	00.7	00.7	320	31	00.9	00.9	315
.15 A.G.L.	31	07.9	06.6	016	31	04.3	02.1	345	31	03.7	02.6	325	31	04.7	02.9	338	31	06.0	04.5	328	31	04.1	02.7	329
.3A.M.S.L.	31	07.5	06.1	019	31	04.3	02.0	340	31	03.9	02.7	330	31	04.7	03.0	334	31	02.2	01.6	328	31	02.2	01.2	323
.6 ,,	31	06.5	05.0	032	31	04.5	01.9	324	31	04.2	02.8	328	31	04.7	02.8	324	31	05.7	04.1	327	31	04.4	03.1	327
.9 ,,	31	05.4	03.7	035	31	04.5	02.3	305	31	04.3	02.9	314	31	04.3	03.0	294	31	04.6	01.5	340	31	04.2	01.4	335
1.5 ,,	31	04.5	01.2	050	31	05.3	04.0	283	31	05.4	03.7	287	31	05.5	04.2	277	31	04.1	00.5	126	31	04.8	01.1	149
2.1 ,,	31	04.3	01.8	287	30	06.8	05.9	277	31	06.8	06.0	287	30	07.1	05.8	281	31	04.4	01.0	190	31	05.3	01.5	172
3.0 ,,	31	06.3	05.1	293	28	09.9	09.1	278	30	09.7	08.8	280	26	07.8	07.1	274	29	06.3	02.6	252	29	06.3	03.0	240
3.6 ,,	06	09.5	09.0	293	27	12.4	11.3	277	29	12.6	11.7	280	06	10.7	10.2	270	29	09.0	06.3	256	28	08.1	05.6	252
4.5 ,,	02	12.0	11.0	305	23	16.5	15.0	268	27	16.6	15.6	275	01	14.0	14.0	250	22	14.1	12.7	267	27	13.5	11.2	267
5.4 ,,					20	20.1	17.9	270	22	21.1	19.4	272					18	17.9	15.9	270	26	19.6	17.3	272
6.0 ,,					15	22.2	19.9	265	15	24.1	22.1	265					16	22.6	20.4	273	24	21.8	19.3	268
7.2 ,,					03	26.7	24.7	276	03	30.0	29.7	250					01	26.0	26.0	288	09	27.3	23.3	271
9.0 ,,																					01	38.0	38.0	244

STATION	AMBALA								AMINI												ANANTAPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.6	01.3	304	31	01.5	01.5	315	31	02.4	02.2	003	31	03.2	02.6	015	31	02.8	02.7	009	31	01.1	00.6	081
.15 A.G.L.	31	04.5	03.7	296	31	07.7	07.3	326	31	04.3	04.0	001	31	05.0	04.3	018	31	05.1	04.7	008	30	04.8	03.5	104
.3A.M.S.L.	31	02.7	02.1	290	31	03.5	03.2	327	31	04.5	04.1	004	31	05.1	04.5	017	31	05.1	04.7	009				
.6 ,,	31	04.5	03.6	298	31	06.5	05.9	328	31	04.6	04.0	015	31	05.1	04.4	022	31	05.2	04.8	017	30	05.3	03.6	112
.9 ,,	31	04.0	02.9	303	31	04.7	03.5	329	31	04.8	03.7	041	30	04.8	04.1	028	31	05.6	05.0	024	30	06.4	05.2	093
1.5 ,,	31	04.5	00.3	267	31	03.9	00.5	241	29	06.6	05.4	085	29	04.4	03.1	028	30	05.9	04.6	045	29	06.0	04.9	063
2.1 ,,	31	05.6	01.5	144	29	04.4	01.8	206	22	07.0	05.2	095	26	05.2	02.1	061	29	06.9	05.4	075	28	05.4	04.4	053
3.0 ,,	29	05.5	01.9	188	27	05.1	02.8	230	20	05.5	02.8	073	23	06.3	03.7	055	24	07.3	06.0	069	26	05.3	03.6	044
3.6 ,,	28	06.9	03.4	240	05	09.6	08.0	240	15	06.6	04.1	065	20	06.5	04.5	061	14	06.9	06.0	074	25	05.6	03.3	047
4.5 ,,	28	10.0	07.4	266					10	08.1	07.1	059	17	08.0	06.7	049	07	06.3	05.2	069	24	06.6	04.8	030
5.4 ,,	26	15.8	13.5	272									15	10.5	09.6	052	02	08.5	08.3	068	24	07.4	05.4	023
6.0 ,,	19	20.6	17.0	266									14	10.5	09.4	053					24	07.6	05.7	018
7.2 ,,	05	29.6	24.3	254									06	14.2	14.0	052					24	08.0	05.2	013
9.0 ,,													01	16.0	16.0	051					22	10.2	05.6	350

STATION	ANANTAPUR								ASANSOL												AURANGABAD/CHIKALTHAN			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.5	02.4	068	31	03.1	02.9	101	31	00.5	00.4	303	31	01.2	00.7	352	31	00.3	00.2	297	31	00.9	00.3	023
.15 A.G.L.	31	04.5	04.2	067	31	06.9	06.3	099	30	04.1	03.0	330	30	03.6	02.3	351	30	05.2	02.4	019	31	05.0	03.3	059
.3A.M.S.L.									30	04.3	02.9	358	31	03.7	02.5	350	30	05.4	02.6	017				
.6 ,,	31	04.3	03.9	066	31	06.9	06.6	098	30	04.5	02.8	352	30	03.9	02.5	338	30	05.2	02.6	008				
.9 ,,	31	04.7	04.2	069	31	06.5	06.2	095	30	04.5	02.7	338	30	04.0	02.6	323	30	04.5	02.2	342	31	05.9	03.9	074
1.5 ,,	31	04.9	04.5	072	30	04.6	04.1	061	30	05.4	04.0	298	30	05.0	04.2	298	29	05.3	04.1	290	31	03.7	01.4	116
2.1 ,,	29	05.1	04.7	063	30	05.0	04.0	029	30	07.4	06.2	290	29	07.0	06.3	295	26	06.8	05.0	284	31	04.0	02.2	232
3.0 ,,	26	05.2	03.0	039	27	05.3	03.7	044	29	09.6	08.8	287	28	10.7	10.2	287	22	08.9	08.2	282	31	06.2	03.7	286
3.6 ,,	24	05.8	02.5	026	22	05.6	03.9	043	27	13.0	12.3	283	28	13.4	12.9	282	12	09.3	08.0	266	22	07.7	04.2	293
4.5 ,,	24	06.7	03.9	024	10	04.8	03.6	025	25	16.3	15.5	273	27	17.7	16.6	276	04	15.5	15.1	241	13	10.3	08.2	300
5.4 ,,	20	08.1	05.9	010	03	07.7	07.3	351	23	20.5	19.5	274	25	22.0	21.1	274	01	13.0	13.0	245	09	12.1	10.3	294
6.0 ,,	20	08.1	06.1	010	03	06.0	05.2	320	19	24.3	23.4	272	23	24.6	23.7	272	01	16.0	16.0	240	04	10.0	08.8	280
7.2 ,,	14	07.9	04.2	017	01	02.0	02.0	091	14	30.0	29.1	273	15	30.2	28.7	273					02	13.5	13.5	270
9.0 ,,	08	09.7	06.1	360					07	33.4	32.3	268	05	42.4	39.2	268								

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JANUARY 1967.(PAUSA 11 - MAGHA 11.1888 SAKA)

STATION	AURANGABAD/CHIKALTHAN								BAHRAICH												BANGALORE			
TIME IN I.S.T.	1730				2330				0530				1130				1730				0530@			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.0	00.8	264	31	01.2	00.7	015	31	01.0	00.9	286	31	00.9	00.6	293	31	01.6	01.1	277	31	03.0	02.6	073
.15 A.G.L.	31	02.6	00.9	256	31	05.6	04.4	037	29	04.7	01.9	326	31	02.5	01.9	288	31	04.0	03.0	283	28	06.6	05.6	078
.3A.M.S.L.									29	04.7	03.1	298	31	02.5	02.0	295	31	04.0	02.9	283				
.6 ,,									29	04.5	02.7	293	31	03.9	02.3	295	31	04.1	02.6	292				
.9 ,,	31	02.8	01.1	279	31	05.9	04.4	323	29	04.9	02.5	292	31	04.6	02.3	292	31	04.4	02.1	303				
1.5 ,,	31	02.9	01.1	299	31	03.5	01.3	047	29	05.4	03.0	296	31	05.3	02.0	290	31	05.2	02.1	289	28	06.9	05.6	056
2.1 ,,	31	03.7	01.7	308	31	03.4	01.4	234	27	05.9	05.3	291	30	05.4	04.0	285	31	06.0	03.4	297	28	05.8	03.9	054
3.0 ,,	31	05.4	04.0	297	31	05.5	03.5	264	24	09.0	08.0	282	28	07.6	06.8	276	25	07.8	06.4	286	27	05.3	02.9	064
3.6 ,,	30	07.4	05.7	291	24	07.3	05.2	303	20	09.3	08.0	276	28	09.6	08.8	274	25	09.6	08.7	284	27	05.6	03.4	061
4.5 ,,	27	11.2	09.5	288	19	10.6	08.7	297	16	11.6	10.7	266	26	14.5	12.7	279	24	15.1	13.4	277	25	06.8	05.1	049
5.4 ,,	24	13.6	12.0	294	13	12.8	10.8	289	14	17.2	15.9	271	23	19.4	17.9	274	19	18.7	17.8	276	25	08.4	07.2	044
6.0 ,,	22	15.5	14.1	292	06	15.0	14.1	289	08	18.0	16.7	266	18	20.6	19.6	275	18	22.0	20.7	276	24	08.9	07.5	039
7.2 ,,	19	18.7	17.5	280									09	28.2	26.2	276	05	33.6	30.7	260	23	09.0	06.7	048
9.0 ,,	12	20.4	17.7	281													01	37.0	37.0	316	21	08.9	04.4	032

STATION	BANGALORE												BAREILLY								BEGAMPET			
TIME IN I.S.T.	1130				1730@				2330				0530				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	03.5	03.1	073	31	03.0	02.7	059	31	03.7	03.3	087	31	01.2	00.9	293	31	01.8	01.1	277	31	01.7	01.2	078
.15 A.G.L.	31	05.5	04.9	069	31	04.7	04.3	063	30	08.4	07.6	089	31	05.5	04.5	315	31	03.8	02.9	284	30	04.5	02.9	089
.3A.M.S.L.													31	05.3	04.1	314	31	03.6	02.7	279				
.6 ,,													31	05.5	04.1	306	31	04.3	03.3	283	30	03.6	02.5	088
.9 ,,													31	05.0	03.1	305	30	04.1	02.6	284	30	06.4	04.3	099
1.5 ,,	31	05.7	05.1	064	31	04.5	04.1	067	30	07.0	06.5	072	31	04.9	01.0	287	30	03.9	01.9	297	29	05.8	03.2	062
2.1 ,,	27	05.6	04.5	066	31	04.2	03.6	061	30	05.6	04.4	046	31	04.5	01.5	287	30	04.8	02.3	283	27	05.5	03.3	020
3.0 ,,	24	05.3	03.2	063	31	05.1	02.6	047	28	06.3	04.0	046	28	06.0	04.4	263	29	05.7	03.8	278	26	05.9	03.1	351
3.6 ,,	24	06.0	04.0	051	28	05.9	03.3	032	26	06.2	03.8	065	28	07.6	05.7	265	29	08.0	06.7	275	24	06.0	03.1	343
4.5 ,,	24	06.9	05.4	051	27	06.0	04.1	042	17	06.9	03.7	048	27	12.7	11.6	271	28	12.7	11.1	272	23	07.3	05.1	324
5.4 ,,	24	08.0	06.3	047	26	07.8	05.4	044	07	08.4	06.9	058	24	16.8	15.3	271	23	16.0	14.7	273	20	08.5	06.7	318
6.0 ,,	24	08.2	06.3	040	25	08.7	05.9	034	05	08.6	06.0	066	20	19.9	18.4	269	19	18.3	16.9	269	18	08.5	06.4	308
7.2 ,,	24	08.6	05.9	045	25	09.6	05.4	033	03	09.3	08.3	093	10	25.6	24.0	266	10	26.7	24.4	264	13	10.3	08.5	311
9.0 ,,	18	11.4	03.2	032	20	09.7	01.6	347	01	22.0	22.0	095	01	21.0	21.0	265	06	40.8	39.4	258	07	09.4	05.8	324

STATION	BEGAMPET												BHAGALPUR								BHOBAL/RATRAGARH			
TIME IN I.S.T.	1130				1730				2330				0530				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	22	02.2	01.6	114	31	02.2	01.7	074	31	02.2	01.7	078	31	01.2	00.7	260	31	01.3	01.1	298	31	02.9	02.4	065
.15 A.G.L.	22	03.5	02.6	114	31	03.6	02.7	076	31	05.7	04.5	080	31	04.7	02.6	283	31	04.0	03.3	311	31	06.5	05.2	072
.3A.M.S.L.													31	04.8	03.2	305	31	04.0	03.4	307				
.6 ,,	22	03.5	02.8	109	31	03.1	02.4	075	31	04.3	03.3	079	31	04.4	03.2	317	31	04.5	03.7	296	31	06.1	04.9	067
.9 ,,	22	03.8	02.8	107	31	03.6	02.7	074	31	05.4	04.2	088	31	04.2	02.6	303	31	04.8	03.9	287	31	05.9	04.0	067
1.5 ,,	22	05.3	03.0	078	31	03.4	02.3	060	31	04.5	03.0	064	31	06.4	05.4	296	31	06.4	05.0	283	31	04.4	02.4	290
2.1 ,,	20	05.6	02.5	022	31	03.8	02.6	202	30	04.6	02.5	009	29	08.2	07.5	290	29	08.3	07.5	283	31	06.2	04.9	267
3.0 ,,	20	06.4	03.8	006	30	05.2	03.0	340	28	05.1	02.9	339	20	09.3	09.0	284	23	10.9	10.3	286	30	09.1	08.0	272
3.6 ,,	18	05.9	03.9	351	27	06.4	03.6	333	06	05.5	04.5	344	15	10.0	09.2	283	20	11.3	10.7	281	30	11.5	10.3	275
4.5 ,,	18	06.5	04.5	336	25	07.7	06.4	323					12	10.0	09.7	271	11	14.6	13.4	282	30	16.2	14.9	280
5.4 ,,	17	07.8	06.5	333	20	10.1	08.3	316					04	15.5	14.6	269	03	20.7	20.3	263	30	20.5	19.1	272
6.0 ,,	16	08.7	07.4	339	17	10.0	08.2	305					01	16.0	16.0	300					29	23.8	21.9	274
7.2 ,,	12	09.0	06.8	306	11	09.3	08.1	323													27	29.9	27.6	276
9.0 ,,	01	07.0	07.0	292	04	10.5	08.7	274													21	35.5	32.5	274

STATION	BHOBAL/RATRAGARH								BHUBANESWAR												BHUJ/RUDRAMATA			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.9	00.7	347	31	03.0	02.6	038	31	03.0	02.1	030	31	03.1	02.3	064	31	02.6	01.3	057	31	00.6	00.6	030
.15 A.G.L.	31	03.4	01.8	005	31	07.3	06.4	041	25	05.0	03.2	043	26	04.2	03.5	085	27	05.8	03.2	106	31	06.3	05.5	022
.3A.M.S.L.									25	05.5	03.2	070	26	04.1	02.8	078	27	05.7	02.9	096	31	07.6	06.5	025
.6 ,,	31	03.3	01.5	356	31	06.7	06.0	040	25	05.9	03.7	060	26	03.7	02.3	063	27	04.6	02.2	067	31	07.6	06.6	032
.9 ,,	31	03.6	02.0	358	31	05.5	03.8	039	25	06.0	03.9	048	26	03.7	02.0	049	25	04.6	02.4	027	31	06.6	05.5	028
1.5 ,,	31	03.4	02.0	310	31	03.7	02.1	256	24	05.8	04.0	024	25	05.5	03.3	353	22	05.6	04.1	338	31	05.9	04.1	358
2.1 ,,	31	05.8	04.9	276	31	05.6	04.3	255	20	05.5	04.4	323	25	06.7	05.2	328	21	06.3	03.7	305	31	05.4	03.7	326
3.0 ,,	31	08.7	07.8	278	31	08.5	07.2	271	20	07.0	05.9	283	24	08.7	07.3	288	17	06.6	05.1	291	30	07.2	06.1	304
3.6 ,,	31	11.4	10.4	278	16	09.1	08.7	274	19	09.4	08.1	281	21	10.2	08.1	284	05	07.2	04.2	293	02	10.0	09.8	269
4.5 ,,	30	15.9	14.8	279					17	10.6	09.2	285	20	13.1	10.8	286								
5.4 ,,	28	19.8	18.3	280					14	14.0	13.3	282	16	16.9	15.5	287								
6.0 ,,	25	22.2	20.5	281					11	17.2	16.0	280	15	17.7	15.1	285								
7.2 ,,	21	26.5	24.8	279					05	14.0	12.3	269	08	19.0	16.0	269								
9.0 ,,	08	27.4	26.4	287																				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JANUARY 1967.(PAUSA 11 - MAGHA 11.1888 SAKA)

STATION	BHUJ/RUDRAMATA								BIKANER												BOMBAY/SANTACRUZ			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	03.8	03.4	023	31	01.5	01.2	009	31	00.0	00.0	000	31	01.1	00.7	345	31	00.4	00.4	024	31	00.9	00.8	025
.15 A.G.L.	31	04.8	04.5	016	31	06.0	05.1	012	31	04.5	03.2	077	31	03.2	02.1	355	31	06.3	05.4	026	31	05.5	04.8	023
.3A.M.S.L.	31	05.0	04.5	016	31	06.6	05.6	015	31	04.1	02.9	085	31	02.9	01.7	355	31	05.9	04.9	022	31	05.7	04.9	025
.6 ,,	31	05.2	04.5	017	31	07.2	06.4	025	31	04.5	02.8	058	31	03.7	02.2	356	31	05.5	03.9	027	31	05.5	04.3	037
.9 ,,	31	05.2	04.1	013	31	06.9	06.2	028	31	04.3	02.5	023	31	03.8	02.4	357	31	04.8	03.3	020	31	05.1	02.7	037
1.5 ,,	31	05.0	03.3	356	30	05.7	03.8	018	31	05.0	03.8	345	31	03.3	01.8	346	31	04.5	01.7	307	31	04.8	00.9	114
2.1 ,,	31	05.7	04.1	327	30	05.4	03.7	334	31	05.4	04.1	322	31	04.4	03.0	301	31	05.6	03.6	281	31	04.7	02.5	172
3.0 ,,	31	08.3	07.4	308	30	07.4	06.5	302	31	08.4	07.2	281	31	09.1	07.3	281	31	08.6	07.6	279	31	06.4	03.3	303
3.6 ,,	31	10.1	09.3	300	10	08.5	07.7	293	30	11.2	10.5	282	31	12.5	10.8	280	13	10.8	09.7	285	31	08.1	05.5	305
4.5 ,,	31	12.7	11.7	291	01	10.0	10.0	265	29	16.6	15.6	279	30	17.5	15.2	279					31	10.7	09.0	303
5.4 ,,	31	16.8	15.7	283					24	21.5	20.5	280	29	23.7	23.0	279					31	12.9	11.1	297
6.0 ,,	31	18.8	17.4	284					19	25.7	24.5	279	16	25.3	24.3	273					31	14.5	12.4	299
7.2 ,,	26	24.0	21.6	287					12	31.6	30.0	274	04	31.3	27.5	267					31	16.8	16.5	295
9.0 ,,	07	31.1	29.5	285																	31	20.9	17.7	283

STATION	BOMBAY/SANTACRUZ												CALCUTTA/DUM DUM											
TIME IN I.S.T.	1130				1730*				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.8	00.5	062	31	05.2	05.0	340	31	01.6	01.5	004	31	00.3	00.3	032	31	01.5	00.9	001	31	00.2	00.1	341
.15 A.G.L.	31	03.1	02.5	055	31	07.7	07.5	327	31	06.7	06.2	005	31	05.0	03.4	024	29	03.3	02.1	357	31	04.3	02.7	349
.3A.M.S.L.	31	03.3	02.6	065	31	07.1	06.9	326	31	07.3	06.8	004	31	05.5	04.0	020	29	03.4	02.2	354	31	04.4	02.7	353
.6 ,,	31	04.2	02.7	069	31	05.0	04.1	328	31	06.3	05.6	359	31	05.8	04.3	018	29	03.8	02.7	353	31	04.6	03.0	354
.9 ,,	31	03.8	01.6	064	31	04.0	02.3	344	31	04.9	03.9	356	31	05.5	03.8	358	29	04.8	03.4	349	31	05.0	03.4	357
1.5 ,,	31	03.3	00.5	227	31	04.4	00.7	055	31	03.6	01.1	062	31	06.5	04.1	327	28	06.2	04.7	318	31	06.5	04.3	318
2.1 ,,	31	04.0	01.5	284	31	04.5	01.0	047	31	04.8	01.9	111	31	06.3	05.5	305	26	07.5	06.0	303	31	07.2	05.8	294
3.0 ,,	31	05.6	03.7	312	31	05.6	02.9	332	31	05.0	01.6	298	31	09.1	08.3	281	25	09.7	08.8	290	31	09.8	08.6	281
3.6 ,,	31	07.1	05.3	304	31	06.5	04.0	321	20	06.7	04.0	314	31	12.1	10.7	269	22	12.2	11.8	285	31	13.1	12.1	272
4.5 ,,	30	09.6	08.2	301	31	09.3	06.7	305	14	08.4	06.4	311	31	15.6	13.9	263	21	16.6	15.8	274	31	16.2	14.7	268
5.4 ,,	30	11.7	09.9	294	31	11.7	09.2	294	05	07.8	05.6	312	31	19.0	17.4	263	18	19.0	18.1	276	30	20.0	18.4	271
6.0 ,,	30	13.4	11.5	294	31	13.4	11.4	294	03	06.3	05.6	304	31	21.9	20.2	266	17	22.5	21.6	276	30	22.2	20.5	270
7.2 ,,	28	16.1	14.7	292	31	16.1	14.0	288					31	26.5	24.5	267	16	26.3	24.8	275	29	26.7	25.2	272
9.0 ,,	24	19.6	16.0	281	31	18.4	16.0	283					31	31.8	30.0	265	06	34.3	31.1	271	27	30.7	29.3	265

STATION	CALCUTTA/DUM DUM				COCHIN/WILLINGDON +												DEHRADUN							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.6	00.1	031	31	00.5	00.3	054	31	03.4	02.9	270	31	00.6	00.5	077	31	00.2	00.2	037	31	00.6	00.3	234
.15 A.G.L.	30	04.6	01.9	033	31	03.7	02.8	077	31	05.1	04.6	273	28	03.2	00.8	007	31	01.1	00.7	087	31	02.1	01.4	243
.3A.M.S.L.	30	04.6	02.2	023	31	03.4	01.7	057	31	04.7	04.0	278	28	03.2	00.8	348								
.6 ,,	29	04.4	02.8	359	31	02.8	00.9	026	31	03.3	02.0	317	28	03.8	00.7	015								
.9 ,,	29	05.0	03.7	342	31	03.0	01.1	055	31	03.4	02.6	012	28	03.2	01.2	066	31	01.0	00.6	100	31	02.1	01.5	244
1.5 ,,	29	05.8	04.5	310	31	03.5	01.8	048	31	05.0	03.8	053	28	03.4	01.3	089	31	02.2	00.9	130	31	01.7	00.1	230
2.1 ,,	28	07.6	06.7	301	30	03.9	00.5	355	30	06.1	02.5	078	26	03.8	01.8	069	31	03.6	01.4	165	31	03.4	01.0	163
3.0 ,,	23	09.9	08.6	283	17	05.3	00.7	173	29	04.5	01.9	075	12	04.4	01.1	011	30	05.4	02.1	230	29	04.5	00.9	179
3.6 ,,	01	09.0	09.0	226	11	05.4	00.9	109	27	04.9	02.5	062	04	05.8	02.4	040	29	08.5	05.7	259	29	06.4	02.4	264
4.5 ,,	01	10.0	10.0	215	02	04.0	01.0	101	18	06.3	03.7	072					27	12.1	10.4	270	28	11.6	08.6	283
5.4 ,,									09	06.9	05.2	060					23	20.0	17.9	273	24	14.5	12.3	272
6.0 ,,									03	09.0	08.8	054					18	21.0	18.7	270	23	18.4	16.2	272
7.2 ,,																	11	25.4	22.9	277	20	25.1	21.8	271
9.0 ,,																					01	33.0	33.0	270

STATION	DIBRUGARH/MOHANBARI																GADAG							
TIME IN I.S.T.	0530				1130				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.5	00.3	058	31	01.0	00.9	042	31	00.8	00.8	050	30	00.5	00.5	042	31	03.5	02.6	120	31	02.4	02.2	078
.15 A.G.L.	31	03.9	03.1	041	30	02.6	02.1	053	31	02.7	02.3	053	30	03.2	02.7	046	31	07.7	05.8	113	31	04.5	03.9	072
.3A.M.S.L.	31	03.9	03.3	034	30	02.5	01.8	054	31	02.7	02.4	052	30	03.0	02.5	050								
.6 ,,	31	04.2	04.2	038	30	02.6	02.3	046	31	02.9	02.5	058	30	02.4	02.0	059								
.9 ,,	31	03.3	02.5	050	30	03.2	01.8	048	31	02.5	01.9	068	30	02.5	01.9	065	31	08.3	06.6	105	31	04.3	03.5	071
1.5 ,,	31	03.1	01.0	087	30	03.2	00.6	107	31	02.7	00.5	196	30	02.5	00.6	121	31	06.4	05.0	073	31	04.3	03.5	073
2.1 ,,	28	03.8	01.1	178	30	03.8	01.4	178	31	04.0	03.2	201	29	03.8	02.7	218	31	05.6	04.4	067	30	04.4	03.5	065
3.0 ,,	27	04.9	02.5	206	28	05.0	02.9	206	29	06.3	05.4	212	27	06.0	05.1	234	30	05.8	02.9	053	30	05.1	03.3	040
3.6 ,,	24	07.5	05.0	234	26	07.3	05.4	230	25	07.8	05.7	222	19	07.8	06.5	230	27	05.0	03.3	029	27	05.9	03.9	029
4.5 ,,	18	14.8	12.3	248	23	12.5	10.9	257	22	12.8	10.5	248					26	07.7	05.9	011	26	06.7	04.7	015
5.4 ,,	16	21.4	20.9	256	20	20.4	17.9	258	21	18.5	17.6	258					26	07.6	06.0	005	24	08.4	05.9	359
6.0 ,,	14	26.0	25.7	256	18	25.7	23.9	259	17	22.7	22.5	258					25	08.2	06.4	353	24	08.5	05.7	354
7.2 ,,	12	31.7	31.5	256	15	37.3	34.6	260	12	25.4	24.5	261					24	08.4	05.4	345	22	08.1	05.3	349
9.0 ,,	06	40.0	38.5	252	14	43.0	40.0	255	01	20.0	20.0	257					24	09.9	05.9	336	15	11.5	07.1	354

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JANUARY 1967.(PAUSA 11 - MAGHA 11,1888 SAKA)

STATION	GANGTOK												GAUHATI											
TIME IN I.S.T.	2330				0830				1730				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	03.9	02.9	102	31	00.4	00.2	040	31	01.6	01.5	180	30	00.3	00.2	066	31	01.7	01.3	043	31	00.3	00.3	068
.15 A.G.L.	31	08.6	05.8	084	29	01.3	00.2	052	25	02.9	02.6	173	30	02.5	01.3	083	31	03.0	02.5	045	31	02.9	01.8	055
.3A.M.S.L.													30	02.4	01.2	085	31	03.0	02.4	068	31	03.0	01.8	056
.6 ,,													30	03.8	02.3	088	31	04.0	03.1	082	31	03.0	01.3	060
.9 ,,	31	08.8	06.5	082									30	05.1	03.3	090	31	06.0	03.6	092	31	03.1	00.5	120
.5 ,,	31	06.6	06.1	075									30	05.8	01.8	105	31	05.7	02.1	138	31	03.8	01.6	226
.1 ,,	31	06.3	05.6	064	29	01.3	00.2	187	25	02.5	02.4	172	30	06.2	00.9	268	31	07.0	02.4	222	31	05.1	03.6	237
.0 ,,	29	05.7	03.2	045	29	02.2	01.5	128	19	01.8	01.0	138	30	08.8	07.2	276	28	07.0	06.7	268	30	07.3	06.5	262
.6 ,,	28	05.6	03.3	032	28	04.5	03.1	228	15	04.3	02.9	248	30	13.6	12.5	275	28	13.2	12.3	271	29	11.3	10.7	274
.5 ,,	20	06.3	03.7	009	25	12.0	10.8	247	12	12.4	12.1	252	30	20.0	19.0	270	26	20.1	19.2	262	28	17.6	17.0	271
.4 ,,	13	05.4	01.3	330	22	19.5	19.2	252	12	18.4	18.2	256	27	23.1	21.6	266	25	25.7	25.2	259	27	22.7	21.3	267
.0 ,,	04	04.0	00.7	120	19	21.3	20.7	254	11	22.0	21.5	253	26	25.1	23.7	264	24	30.2	29.3	262	27	26.3	24.5	267
.2 ,,	01	06.0	06.0	238	13	26.8	24.8	255	06	28.5	27.8	254	25	30.8	29.6	260	18	36.2	35.5	262	26	31.8	30.8	264
.0 ,,					07	29.0	26.4	268	01	16.0	16.0	258	24	40.2	38.3	264	12	44.9	43.8	262	24	38.9	37.5	262

STATION	GAUHATI				GAYA												GOA/DABOLIM							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.2	00.8	196	31	00.9	00.6	200	31	02.3	01.8	321	31	01.8	00.8	329	31	02.6	02.3	066	31	06.0	05.0	304
.15 A.G.L.	30	03.0	01.3	190	31	03.4	01.0	305	31	04.0	03.2	332	31	05.4	03.2	338								
.3A.M.S.L.	30	03.3	00.3	178	31	03.5	00.6	275	31	04.3	03.4	330	31	05.5	03.3	342	31	04.8	03.1	061	31	04.6	04.0	292
.6 ,,	30	03.6	00.6	066	31	03.8	01.5	332	31	04.1	03.2	316	31	05.2	03.0	333	31	06.0	02.9	054	31	02.7	01.3	302
.9 ,,	30	03.6	00.5	051	31	03.8	02.1	309	31	04.3	03.4	310	31	04.7	02.5	293	31	05.6	03.4	082	31	03.1	01.5	051
.5 ,,	30	03.4	00.9	264	30	05.7	05.2	290	31	05.8	04.5	280	31	06.5	05.3	271	31	05.5	03.9	097	31	05.0	04.0	077
.1 ,,	29	04.9	02.4	254	30	08.3	07.4	285	30	08.1	07.3	277	29	07.6	06.8	271	31	05.3	03.1	089	30	07.0	05.9	073
.0 ,,	25	08.7	07.5	259	29	10.7	09.8	272	30	11.8	11.3	281	26	09.1	08.3	277	10	03.4	01.9	037	25	06.6	04.8	068
.6 ,,	06	10.0	09.5	249	27	13.8	13.2	282	28	13.3	12.8	278	08	10.0	09.2	260	02	03.0	01.9	050	12	06.9	03.2	042
.5 ,,	04	09.5	09.2	252	23	15.2	14.7	278	26	16.8	16.1	275	01	13.0	13.0	240					05	08.2	05.1	047
.4 ,,	03	14.0	13.6	243	18	18.9	18.0	272	21	20.4	19.0	275												
.0 ,,	03	20.0	19.6	243	16	22.8	21.1	267	17	22.4	21.0	273												
.2 ,,	01	14.0	14.0	240	03	28.0	27.8	283	05	28.0	26.6	268												
.0 ,,																								

STATION	GOA/DABOLIM				GORAKHPUR												GORAKHPUR							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
URFACE	31	04.4	04.0	029	31	03.0	02.3	342	31	03.2	02.3	075	31	02.2	01.1	003	31	00.6	00.3	270	31	00.8	00.7	261
.15 A.G.L.					23	05.0	02.9	358	25	05.1	03.4	093	26	04.3	02.0	079	31	04.5	02.7	313	31	03.4	02.5	264
.3A.M.S.L.	31	05.7	05.3	005	23	04.0	01.9	050	25	04.9	03.2	091	26	05.1	02.6	086	31	04.7	02.8	316	31	03.6	02.8	271
.6 ,,	31	06.3	05.0	356	23	04.1	02.2	091	25	04.0	02.9	050	26	05.3	02.9	074	31	04.6	02.4	315	31	03.5	02.6	280
.9 ,,	31	05.0	02.2	016	23	04.9	02.5	058	25	04.4	03.6	029	25	04.5	03.0	047	31	04.5	02.0	312	31	04.3	02.5	281
.5 ,,	31	05.7	04.3	085	23	06.2	04.1	023	25	06.9	04.5	359	22	05.5	04.2	360	31	05.7	04.1	297	31	05.5	03.1	293
.1 ,,	31	06.5	05.1	086	21	05.0	03.2	352	24	06.5	04.9	330	20	05.7	04.1	331	31	07.0	05.9	289	31	06.3	05.1	299
.0 ,,	14	06.0	03.8	072	19	06.1	03.8	300	21	07.0	05.2	294	16	06.7	05.0	285	29	09.3	08.4	281	31	09.6	09.2	288
.6 ,,	02	02.5	02.2	033	17	07.8	05.6	285	20	08.8	07.1	278					27	10.0	08.9	275	31	11.6	11.1	285
.5 ,,					15	09.8	08.1	292	20	10.9	09.2	288					24	12.7	11.7	275	27	13.9	13.1	281
.4 ,,					11	12.8	11.2	285	20	14.5	13.3	291					19	16.2	14.8	272	24	18.3	17.1	274
.0 ,,					11	14.0	12.0	287	19	14.8	13.2	277					17	18.5	17.2	271	20	21.3	19.5	271
.2 ,,									01	27.0	27.0	235					03	23.0	22.2	291	08	24.7	22.3	274
.0 ,,																					02	37.5	35.8	279

STATION	GWALIOR																IMPHAL/TULIHAL							
TIME IN I.S.T.	0530				1130				1730				2330				0530				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
URFACE	31	00.4	00.2	236	31	01.4	00.9	344	31	01.5	01.1	332	31	00.3	00.1	334	31	00.5	00.3	311	31	00.9	00.4	244
.15 A.G.L.	31	04.5	01.0	035	31	02.6	01.6	351	31	03.0	02.3	344	31	04.7	03.3	001	26	02.0	00.9	017	30	01.7	00.8	230
.3A.M.S.L.	31	03.6	00.8	336	31	02.4	01.5	354	31	02.7	02.0	340	31	04.4	02.8	003								
.6 ,,	31	04.8	03.7	007	31	03.3	01.9	346	31	03.4	02.6	343	31	04.2	02.6	341								
.9 ,,	31	04.1	03.6	352	31	03.3	02.2	335	31	03.5	02.5	335	31	03.8	02.9	313	26	02.0	00.9	015	30	01.8	00.8	233
.5 ,,	31	04.2	03.3	306	31	03.7	02.9	291	31	04.4	03.5	301	31	05.1	04.0	284	26	03.1	00.3	294	30	02.8	01.3	216
.1 ,,	30	05.3	03.9	283	31	05.7	04.7	271	30	06.5	05.3	284	29	05.2	04.4	279	26	05.7	03.3	248	30	05.4	03.6	237
.0 ,,	30	09.5	08.0	274	30	09.1	08.3	271	30	09.3	08.5	279	26	08.7	07.7	282	21	11.5	10.2	263	28	10.9	10.0	268
.6 ,,	29	11.4	10.4	282	30	12.4	11.5	277	30	12.2	11.1	277	11	09.9	09.0	276	18	15.3	14.6	269	25	14.9	14.1	270
.5 ,,	28	16.2	15.3	282	30	16.9	15.7	275	29	16.9	15.9	274	10	16.0	14.1	265	16	21.1	20.7	266	20	20.7	19.9	265
.4 ,,	27	19.6	18.6	276	29	22.3	20.9	278	27	20.8	19.9	277					15	24.9	24.3	262	15	26.8	25.6	267
.0 ,,	26	23.5	21.9	276	28	25.5	23.8	277	26	25.2	23.4	277					14	27.7	26.9	267	15	29.4	28.0	268
.2 ,,	14	27.4	25.6	274	20	33.4	31.6	274	16	32.5	29.7	278					12	29.5	28.8	267	15	32.8	31.7	267
.0 ,,	05	45.8	35.4	252	04	49.5	44.2	266	07	36.9	33.8	282					08	35.4	34.7	261	11	38.1	35.9	265

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JANUARY 1967.(PAUSA 11 - MAGHA 11.1888 SAKA)

STATION	IMPHAL/TULIHAL								JABALPUR												JAGDALPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.8	01.2	282	31	01.1	00.8	017	31	00.4	00.2	023	31	01.2	00.9	351	31	00.3	00.2	058	31	00.1	00.1	045
.15 A.G.L.	30	03.3	01.8	262	29	02.3	01.3	341	30	04.4	03.4	067	31	03.7	03.3	353	30	05.0	02.9	048	30	03.3	01.6	064
.3A.M.S.L.																								
.6 ,,									30	04.8	03.5	070	31	03.8	03.2	353	30	03.7	01.9	044	30	02.0	01.0	069
.9 ,,	30	03.3	01.9	261	29	02.3	01.3	346	30	04.9	02.4	056	31	03.8	02.8	346	30	05.3	03.1	050	30	04.3	02.5	065
1.5 ,,	30	03.3	01.8	227	29	03.1	01.2	237	29	04.6	02.3	293	31	05.0	03.1	297	29	03.7	02.3	024	27	04.3	02.8	023
2.1 ,,	30	05.3	04.0	237	29	06.1	04.9	243	28	07.2	05.9	275	31	06.6	05.6	271	26	03.6	02.0	330	27	05.2	02.8	343
3.0 ,,	26	09.9	09.2	261	26	09.9	09.2	264	28	09.6	08.2	279	31	09.8	08.8	274	25	06.3	04.5	301	26	06.1	03.8	297
3.6 ,,	24	14.9	14.0	271	19	12.7	11.9	262	26	12.0	10.8	281	31	12.5	10.5	276	19	07.3	05.0	288	26	07.0	04.3	310
4.5 ,,	19	19.1	18.6	266	09	14.1	13.8	260	23	17.4	15.7	279	31	17.8	16.8	279	06	07.5	06.5	272	26	10.0	08.5	302
5.4 ,,	17	25.3	24.7	266	01	17.0	17.0	250	19	21.0	19.2	275	29	23.2	21.2	279	04	07.0	03.0	270	25	12.1	10.6	292
6.0 ,,	15	26.0	25.5	264	01	32.0	32.0	254	15	22.2	21.1	272	26	25.4	23.5	278	02	03.5	03.5	337	25	13.0	11.0	289
7.2 ,,	09	26.7	25.8	266					03	19.3	19.2	301	10	28.9	26.4	284	01	06.0	06.0	336	23	15.7	13.6	287
9.0 ,,	03	36.0	35.9	254																	18	19.0	17.0	275

STATION	JAGDALPUR								JAIPUR/SANGANER												JAMSHEDPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.9	00.4	035	31	00.3	00.2	058	31	00.8	00.6	044	31	00.9	00.7	315	31	00.9	00.6	042	31	00.6	00.6	312
.15 A.G.L.	31	03.5	02.3	030	30	05.0	02.9	048	31	04.9	03.5	042	31	02.5	01.3	306	31	05.5	03.2	043	29	02.5	01.4	324
.3A.M.S.L.																					29	02.5	00.8	346
.6 ,,	31	02.4	01.4	023	30	03.7	01.9	044	31	05.0	03.1	039	31	02.6	01.5	308	31	05.7	02.9	036	29	03.3	00.8	045
.9 ,,	31	03.7	02.3	020	30	05.3	03.1	050	31	04.2	01.8	339	31	02.6	01.5	322	31	04.4	01.7	022	29	03.5	00.6	340
1.5 ,,	31	03.2	01.7	005	29	03.7	02.3	024	31	04.0	03.0	303	31	03.4	02.3	319	31	03.2	01.5	294	29	04.5	03.1	295
2.1 ,,	31	03.6	01.7	347	26	03.6	02.0	330	30	05.6	04.3	288	31	05.4	02.6	289	31	05.6	04.4	274	25	06.6	05.6	300
3.0 ,,	26	06.3	04.2	298	25	06.3	04.5	301	30	09.8	08.4	279	31	09.8	08.9	260	31	08.9	07.9	282	23	09.2	08.5	291
3.6 ,,	25	08.0	05.8	288	19	07.3	05.0	288	30	13.0	11.7	276	31	12.7	11.7	278	16	10.6	09.9	279	22	12.7	11.6	277
4.5 ,,	24	10.2	08.5	295	06	07.5	06.5	272	29	17.1	15.2	277	30	17.6	16.7	278					18	15.7	14.8	277
5.4 ,,	23	11.9	10.5	293	04	07.0	03.1	270	24	21.7	20.5	278	27	21.1	19.8	279					18	20.9	19.9	277
6.0 ,,	23	12.4	11.2	295	02	03.5	03.5	337	19	23.5	22.2	280	23	25.6	24.0	274					13	21.9	20.1	273
7.2 ,,	22	15.2	14.6	292	01	06.0	06.0	336	02	31.5	31.4	269	06	28.0	25.5	270					05	21.2	20.2	274
9.0 ,,	19	19.5	17.3	275																				

STATION	JAMSHEDPUR				JHARSUGUDA												JODHPUR							
TIME IN I.S.T.	1730				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.0	00.4	040	31	01.9	01.7	046	31	01.5	00.3	023	31	01.4	00.8	082	31	05.0	04.5	042	31	02.9	02.6	050
.15 A.G.L.	30	02.3	00.7	031	30	04.5	03.9	060	30	03.1	00.6	018	31	04.3	01.4	130	31	07.7	06.8	052	31	05.1	04.0	060
.3A.M.S.L.	30	02.4	00.8	032	30	03.8	03.3	056	30	02.8	00.4	008	31	03.3	00.8	118	31	05.3	04.8	042	31	04.4	04.0	058
.6 ,,	30	02.9	00.6	349	30	04.8	03.2	073	30	03.2	00.7	007	31	04.1	00.8	142	31	06.5	05.3	048	31	05.2	04.3	068
.9 ,,	30	03.0	01.2	324	30	04.0	01.1	075	30	03.1	00.6	355	31	03.7	00.2	121	31	05.3	03.2	033	31	04.7	03.3	054
1.5 ,,	29	05.0	03.9	310	29	04.1	02.0	305	29	03.4	01.5	312	30	03.8	01.3	316	31	04.9	02.5	337	31	04.0	01.4	006
2.1 ,,	27	06.8	06.0	296	29	05.2	03.8	310	28	05.6	04.3	310	29	05.2	03.1	298	31	05.6	04.2	298	30	05.4	02.8	295
3.0 ,,	25	10.6	10.1	285	28	08.0	06.7	295	26	09.3	08.1	294	26	08.6	06.8	293	31	09.5	08.4	283	29	10.3	08.7	283
3.6 ,,	24	13.4	12.7	277	26	11.1	09.3	280	24	11.8	10.8	288	01	08.0	08.0	280	31	12.8	11.9	282	29	13.3	12.2	280
4.5 ,,	22	18.5	17.7	278	26	15.0	13.8	284	24	15.6	14.3	287					31	17.1	16.4	280	28	17.0	15.8	280
5.4 ,,	19	21.8	20.6	277	25	18.2	16.5	283	22	19.6	18.7	288					31	22.8	21.9	282	27	22.3	21.5	280
6.0 ,,	19	25.5	23.8	277	23	20.6	19.0	280	21	20.9	19.6	288					31	27.7	26.5	282	26	26.2	25.1	275
7.2 ,,	08	29.3	26.5	266	14	23.3	22.1	274	13	25.4	22.9	281					31	35.4	33.8	282	17	31.5	30.4	272
9.0 ,,	03	41.7	38.0	258	07	25.0	24.0	271	06	31.8	27.3	278					23	46.3	43.4	280	01	45.0	45.0	266

STATION	JODHPUR								LUCKNOW/AKAUSI															
TIME IN I.S.T.	1730*				2330				0530*				1130				1730*				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.6	01.7	022	31	04.5	03.4	036	31	01.1	00.9	319	31	02.4	01.6	295	31	01.8	01.6	282	31	02.3	01.6	282
.15 A.G.L.	31	04.5	03.4	019	31	07.7	06.5	035	31	05.7	04.4	326	31	03.7	02.1	298	31	04.3	03.5	287	31	05.8	04.4	307
.3A.M.S.L.	31	02.8	01.9	020	31	06.8	05.9	030	31	05.7	04.4	326	31	03.6	02.1	300	31	04.3	03.5	287	31	05.7	04.2	308
.6 ,,	31	04.1	03.1	022	31	06.7	05.2	042	31	05.2	03.6	330	31	03.8	02.5	297	31	04.2	03.5	291	31	04.9	03.3	308
.9 ,,	31	04.1	03.1	023	31	05.1	03.3	051	31	05.2	02.9	315	31	04.0	02.4	295	31	04.3	03.6	294	31	04.7	02.8	312
1.5 ,,	31	04.5	02.1	004	31	03.9	00.7	274	31	05.9	03.1	284	31	04.5	02.5	287	31	05.0	03.5	292	31	05.2	03.6	290
2.1 ,,	31	04.6	03.3	296	31	05.8	04.2	278	31	06.3	04.6	276	31	05.5	03.8	283	31	05.9	04.2	288	29	05.9	04.5	287
3.0 ,,	31	09.6	08.8	286	24	08.0	07.3	287	31	08.1	07.2	280	31	08.7	07.7	269	31	08.4	06.7	291	25	07.7	06.5	270
3.6 ,,	31	12.5	11.7	283	05	10.0	09.8	293	31	10.1	08.8	279	29	11.2	10.5	274	31	11.6	10.6	280	07	09.3	08.7	270
4.5 ,,	31	17.4	16.5	285	01	14.0	14.0	310	31	15.5	13.2	272	29	16.7	12.5	275	31	16.4	15.2	277				
5.4 ,,	31	22.5	21.5	282					31	21.9	20.1	276	29	21.9	20.5	270	31	21.2	19.7	275				
6.0 ,,	31	26.2	25.1	279					31	25.9	24.2	279	28	25.9	24.5	271	31	25.4	23.5	275				
7.2 ,,	31	35.5	33.7	280					30	32.3	30.5	277	26	33.9	31.7	269	30	33.8	31.4	275				
9.0 ,,	28	43.8	42.0	278					25	44.7	40.5	269	16	43.7	39.7	266	27	44.9	42.1	269				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JANUARY 1967.(PAUSA 11 - MAGHA 11,1888 SAKA)

STATION	MADRAS/MINAMBAKKAM												MANGALORE/BAJPE							
TIME IN I.S.T.	0530*				1130				1730*				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	04.3	03.8	033	31	03.8	03.1	029	31	05.0	04.7	050	31	02.4	01.9	029	31	02.7	02.6	092	31	04.1	03.5	293
.15 A.G.L.	31	05.7	05.1	038	31	05.3	04.3	030	31	07.2	06.6	055	31	06.5	05.6	040	31	06.4	04.4	085	31	04.9	04.5	290
.3A.M.S.L.	31	05.8	05.3	043	31	05.4	04.6	036	31	06.8	06.3	048	31	07.2	06.6	041	31	06.6	05.3	089	31	04.6	04.1	291
.6 ,,	31	06.3	05.8	055	31	05.8	05.4	035	31	06.5	06.0	043	31	07.8	07.4	040	31	06.6	05.2	086	31	02.9	01.4	318
.9 ,,	31	06.5	06.0	055	30	07.0	06.4	035	31	06.7	05.9	041	31	08.0	07.5	037	31	05.9	04.8	091	31	02.6	01.3	057
1.5 ,,	31	06.2	05.3	053	25	06.2	05.4	049	31	05.5	04.6	045	29	06.3	05.2	034	31	04.5	03.4	083	31	05.1	05.0	080
2.1 ,,	31	04.6	03.6	063	17	05.5	04.7	063	31	04.5	03.0	056	28	05.3	04.0	040	30	04.7	03.5	080	30	07.3	06.9	075
3.0 ,,	31	04.7	03.3	091	11	05.3	04.3	070	31	04.3	02.4	067	25	05.1	03.4	045	30	05.9	03.5	070	30	05.8	04.3	064
3.6 ,,	31	05.5	03.1	084	11	06.4	04.3	062	31	04.6	02.8	075	07	05.0	02.9	046	29	06.0	03.3	061	30	06.2	04.5	058
4.5 ,,	31	05.7	03.8	073	11	07.3	06.6	056	31	06.0	03.5	065	01	07.0	07.0	033	29	06.9	04.8	051	28	07.2	05.9	045
5.4 ,,	31	06.8	04.1	052	09	07.7	06.7	055	31	06.4	03.7	052					26	07.5	05.4	052	28	08.4	07.1	048
6.0 ,,	31	07.2	05.1	057	09	08.0	06.1	062	31	07.2	04.7	049					26	08.3	05.9	044	28	09.1	07.4	043
7.2 ,,	31	08.8	04.8	050	07	08.0	05.1	085	29	08.5	06.0	050					24	08.7	06.2	051	25	06.4	05.9	051
9.0 ,,	31	07.9	01.4	022	06	04.7	01.9	119	29	08.3	01.0	022					20	09.3	03.6	037	20	10.1	04.8	031

STATION	MANGALORE/BAJPE				MINICOY																NAGPUR/SONEGAON			
TIME IN I.S.T.	2330				0530				1130				1730*				2330				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.8	01.4	015	31	01.6	00.9	019	31	02.3	01.8	022	31	01.6	01.1	013	31	01.9	01.3	051	31	01.6	01.3	024
.15 A.G.L.	31	05.2	04.3	343	31	04.0	02.3	023	31	04.5	03.7	020	31	03.9	02.8	012	30	04.2	03.4	037	31	05.3	04.8	040
.3A.M.S.L.	31	05.2	04.5	342	31	04.1	02.6	022	31	04.8	04.1	023	31	04.0	03.0	015	30	04.2	03.5	038				
.6 ,,	31	04.5	03.7	347	31	04.4	03.0	029	31	04.5	03.7	029	31	04.2	03.2	023	30	04.2	03.5	040	31	05.3	04.3	050
.9 ,,	31	04.3	02.6	040	31	04.8	03.1	042	31	04.4	03.5	044	31	04.1	02.8	037	30	04.1	03.4	043	31	04.7	02.6	072
1.5 ,,	31	05.4	05.0	072	31	05.1	03.2	074	29	04.8	02.9	069	31	04.5	01.8	039	30	05.0	03.0	053	31	04.4	00.7	260
2.1 ,,	31	06.9	06.6	080	29	04.9	02.4	085	23	04.3	01.6	097	30	04.3	01.7	047	26	05.0	01.4	050	31	06.2	04.4	280
3.0 ,,	30	05.6	04.3	061	24	04.6	01.9	097	17	05.5	02.4	080	30	06.0	03.3	060	20	04.5	02.3	061	31	07.6	05.8	280
3.6 ,,	25	05.2	03.7	055	22	05.4	03.5	083	15	06.1	03.4	075	30	05.3	04.0	059	13	06.2	04.4	074	31	09.6	07.8	281
4.5 ,,	21	06.6	04.5	052	21	08.2	07.1	073	13	08.9	07.8	082	30	07.4	06.4	069	06	08.2	07.4	062	31	13.6	11.8	284
5.4 ,,	11	08.9	06.8	052	20	11.3	10.6	069	11	10.5	09.9	079	30	10.0	08.7	068					31	16.7	14.7	280
6.0 ,,	08	08.4	06.0	041	18	11.8	11.1	068	11	11.6	11.1	080	30	11.2	10.1	072					31	18.4	16.1	283
7.2 ,,	01	03.0	03.0	355	16	13.1	11.4	074	08	13.7	12.5	083	30	10.9	09.3	073					31	23.0	21.3	277
9.0 ,,					12	09.0	06.5	071	05	09.2	07.1	063	30	07.9	04.0	089					31	26.3	24.3	272

STATION	NAGPUR/SONEGAON												NEW DELHI/SAFDARJUNG											
TIME IN I.S.T.	1130				1730*				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.0	01.6	049	31	01.3	00.7	067	31	02.0	01.0	039	31	01.4	01.2	314	31	01.4	01.2	290	31	01.2	01.1	307
.15 A.G.L.	31	03.4	02.5	052	31	03.3	01.5	036	31	06.5	03.2	074	31	05.1	04.1	322	31	03.2	02.3	300	31	03.7	03.4	311
.3A.M.S.L.													31	04.9	04.0	321	31	02.8	02.1	289	31	03.5	03.1	310
.6 ,,	31	03.5	02.4	073	31	03.4	01.0	032	31	06.5	03.0	088	31	05.2	03.9	323	31	04.4	03.4	313	31	04.0	03.5	312
.9 ,,	31	04.0	01.0	083	31	03.3	00.8	012	31	04.9	01.7	088	31	05.5	04.4	320	31	05.0	03.6	309	31	04.1	03.4	305
1.5 ,,	31	04.1	01.1	287	31	03.7	01.6	307	31	04.0	00.8	352	31	04.5	03.7	300	31	04.7	02.6	306	31	04.5	03.2	290
2.1 ,,	31	04.7	03.2	289	31	04.6	03.2	312	31	04.7	02.3	267	31	05.6	04.0	288	31	04.7	02.5	278	31	05.4	04.0	285
3.0 ,,	30	07.1	05.8	285	31	07.1	05.8	285	31	07.5	05.9	278	31	07.9	06.3	273	29	07.0	05.6	266	31	07.6	06.4	278
3.6 ,,	30	09.2	07.8	289	31	08.8	07.3	280	14	09.0	08.5	296	31	10.3	09.2	276	29	09.2	07.5	267	31	11.3	09.6	274
4.5 ,,	30	13.3	11.7	281	31	12.9	11.4	280					31	16.5	15.3	272	26	13.3	11.8	273	31	16.2	14.6	276
5.4 ,,	29	16.4	14.7	282	30	15.4	13.7	279					31	22.0	20.6	274	22	18.4	17.3	272	31	20.4	19.0	277
6.0 ,,	29	18.4	16.8	284	30	17.8	16.0	280					30	26.9	25.5	277	19	21.6	20.4	272	31	26.6	25.2	278
7.2 ,,	29	21.6	19.9	277	30	20.8	18.1	283					31	34.4	32.7	274	13	32.4	31.2	271	31	35.0	33.1	277
9.0 ,,	22	26.2	22.7	274	30	25.0	22.9	282					31	48.0	45.7	273	02	30.0	29.5	309	31	48.3	45.3	276

STATION	NEW DELHI/SAFDARJUNG				POONA												PORT BLAIR							
TIME IN I.S.T.	2330				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.1	01.1	314	31	00.1	00.1	225	31	00.4	00.3	270	31	00.3	00.1	235	31	04.7	04.0	072	31	05.0	04.1	066
.15 A.G.L.	31	06.6	05.3	325	31	02.4	01.1	061	31	02.2	00.6	357	31	04.1	02.5	325	31	06.8	05.9	072	31	07.0	06.0	074
.3A.M.S.L.	31	06.0	04.8	325													31	07.0	06.1	073	31	07.5	06.7	075
.6 ,,	31	05.8	04.7	322	31	01.4	01.0	212	31	01.6	00.2	015	31	02.0	01.1	269	31	07.5	06.8	076	30	08.6	07.4	082
.9 ,,	31	05.2	04.1	311	31	03.6	02.3	056	31	02.5	00.7	353	31	04.9	03.2	339	31	07.8	07.0	084	27	08.2	07.0	089
1.5 ,,	31	04.6	03.4	288	31	05.0	03.3	103	31	02.7	00.5	320	31	05.3	02.4	050	31	07.5	06.5	091	24	08.0	07.1	096
2.1 ,,	31	05.0	03.3	270	31	04.3	02.4	129	31	02.5	00.4	300	31	04.7	03.2	089	31	07.5	06.1	092	19	06.5	05.7	098
3.0 ,,	28	07.1	05.9	264	31	05.9	02.5	300	29	04.3	01.9	331	31	04.9	00.4	067	31	07.4	05.3	096	14	06.0	05.4	104
3.6 ,,	18	09.2	08.0	262	28	06.9	04.7	316	29	05.8	03.7	321	25	06.2	03.7	316	31	06.5	04.5	099	13	06.0	05.3	096
4.5 ,,	03	14.0	12.5	283	09	09.0	07.0	299	29	08.4	05.8	310	05	07.0	06.5	331	31	05.3	04.0	094	11	05.2	04.1	082
5.4 ,,					01	06.0	06.0	329	29	09.7	07.2	300					31	06.7	04.4	080	09	07.0	06.0	072
6.0 ,,					01	09.0	09.0	333	27	10.7	08.4	290					31	06.4	04.4	085	08	07.6	07.0	071
7.2 ,,									22	12.8	10.8	295					30	07.8	05.3	099	06	08.3	07.1	092
9.0 ,,									16	17.3	13.3	309					30	06.7	04.1	117	06	08.3	06.9	117

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JANUARY 1967.(PAUSA 11 - MAGHA 11,1888 SAKA)

STATION	PORT BLAIR								RAIPUR												RAXAUL			
TIME IN I.S.T.	1730*				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	06.1	05.3	065	31	04.4	03.6	084	31	01.1	00.9	034	31	01.5	00.8	038	31	01.5	00.6	094	31	01.4	00.4	005
.15 A.G.L.	31	07.5	06.7	066	30	06.7	05.7	080	30	05.3	03.8	057	31	03.3	01.9	038	31	04.9	01.9	093	30	03.3	01.8	318
.3A.M.S.L.	31	07.5	06.7	066	30	07.0	05.9	098													30	03.4	01.9	316
.6 ,,	31	07.3	06.6	070	29	07.6	06.6	086	30	06.3	04.1	079	31	03.6	01.8	034	31	05.0	01.8	088	30	03.7	01.7	293
.9 ,,	31	07.9	07.1	079	24	06.9	06.2	088	30	05.5	02.9	086	31	03.7	01.6	024	31	04.8	01.4	065	30	04.0	00.9	282
1.5 ,,	31	07.7	06.7	093	15	07.3	06.5	096	29	04.9	00.9	333	31	03.8	01.5	339	30	04.5	02.1	330	30	04.6	00.7	265
2.1 ,,	31	06.8	05.7	092	14	06.3	05.5	098	29	05.9	03.3	310	28	05.1	03.3	311	30	05.0	03.0	307	27	06.1	03.6	282
3.0 ,,	31	05.9	04.2	094	12	05.3	04.9	087	29	07.6	06.1	291	28	07.3	05.9	287	29	07.5	05.9	279	19	07.5	07.0	276
3.6 ,,	31	05.9	04.1	089	06	06.3	05.3	074	29	09.4	07.9	286	27	09.0	07.9	287	29	09.3	07.9	282	16	09.0	08.5	272
4.5 ,,	30	06.3	04.1	077	04	06.7	06.1	078	28	12.9	11.6	286	26	12.6	11.5	285	18	11.8	10.3	282	10	10.7	09.9	271
5.4 ,,	30	06.8	04.5	077	01	07.0	07.0	063	26	16.2	14.9	285	26	16.6	15.4	283	06	15.7	14.7	274	08	14.3	13.1	273
6.0 ,,	30	06.7	05.1	089	01	09.0	09.0	085	25	17.7	16.7	280	26	19.7	18.3	283	02	20.0	14.9	251	07	18.4	17.6	268
7.2 ,,	30	07.1	04.8	091					22	21.6	20.5	281	25	23.4	21.6	283					02	33.0	32.1	266
9.0 ,,	30	07.7	05.3	126					19	25.6	23.6	276	19	25.9	24.2	282								

STATION	RAXAUL				SRINAGAR								TIRUCHCHIRAPPALLI											
TIME IN I.S.T.	1730				0530*				1730*				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.0	01.8	257	28	00.2	00.1	125	27	00.1	00.1	300	31	02.4	02.1	022	31	03.6	03.1	049	31	03.3	02.8	062
.15 A.G.L.	31	03.7	03.0	265	28	02.0	00.7	152	27	01.7	00.4	058	24	05.3	04.4	021	25	04.8	04.2	051	24	07.5	06.7	064
.3A.M.S.L.	31	03.8	02.8	264									24	05.6	04.9	030	25	04.7	04.3	049	24	08.3	07.4	063
.6 ,,	31	04.5	03.2	271									24	07.0	06.2	036	25	04.8	04.5	041	24	08.7	08.2	055
.9 ,,	31	04.3	02.5	279									23	06.7	06.1	036	25	05.2	04.7	038	23	07.7	07.1	044
1.5 ,,	30	04.7	01.1	298									22	05.9	04.8	024	24	05.7	04.9	022	22	06.0	04.8	010
2.1 ,,	26	04.6	02.7	292	28	01.7	00.1	200	27	01.4	00.5	243	21	05.5	03.5	014	24	05.8	03.9	014	21	05.8	03.2	007
3.0 ,,	19	06.0	05.3	292	28	03.2	02.5	140	27	03.5	02.4	151	20	04.9	03.5	065	19	04.8	02.7	047	20	03.8	01.9	047
3.6 ,,	17	08.4	08.1	276	28	05.2	04.6	160	27	05.2	04.7	165	19	05.2	04.2	086	17	04.7	02.8	061	18	05.1	03.8	066
4.5 ,,	15	11.8	11.1	275	28	07.9	04.9	197	27	07.4	06.5	182	16	06.3	03.8	078	16	06.3	04.7	072	10	06.2	04.2	090
5.4 ,,	11	19.3	17.6	271	28	11.3	06.9	243	26	10.9	06.8	232	14	06.5	04.3	077	13	07.0	06.2	073	03	08.7	08.1	086
6.0 ,,	10	22.0	19.0	269	28	14.0	09.0	255	26	13.5	09.3	247	12	08.1	04.9	071	12	07.6	05.9	073	01	14.0	14.0	077
7.2 ,,	04	29.5	27.4	269	28	17.8	14.3	268	26	21.0	16.9	271	04	09.0	07.7	083	05	08.0	05.6	076				
9.0 ,,	01	25.0	25.0	279	27	31.1	26.7	278	24	31.6	28.7	278												

STATION	TRIVANDRUM																UDAIPUR							
TIME IN I.S.T.	0530*				1130				1730*				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.2	01.0	028	31	00.9	00.8	324	31	03.0	02.2	249	31	01.0	00.7	050	31	00.0	00.0	000	31	00.3	00.1	037
.15 A.G.L.	31	02.5	01.3	006	31	02.4	00.8	311	31	04.4	03.6	250	30	02.5	00.3	300	31	02.7	02.4	035	31	02.4	01.6	066
.3A.M.S.L.	31	02.5	01.5	012	31	02.2	00.5	323	31	04.2	03.4	247	30	02.5	00.5	302								
.6 ,,	31	02.6	00.8	009	31	01.8	00.5	342	31	03.4	02.0	252	30	02.7	01.1	290								
.9 ,,	31	02.3	01.3	049	31	02.2	00.9	014	31	03.3	01.2	010	30	03.0	01.2	004	31	03.7	02.9	058	31	02.5	01.5	056
1.5 ,,	31	03.7	01.7	006	30	03.4	01.3	036	31	04.6	03.6	035	29	04.2	03.6	041	31	03.9	00.7	043	31	03.0	01.6	321
2.1 ,,	31	03.5	00.5	308	26	04.1	00.3	318	31	05.3	02.4	017	24	04.9	02.2	035	31	05.1	03.3	292	31	05.1	04.1	283
3.0 ,,	31	04.3	00.7	118	23	06.1	01.8	120	31	04.6	00.9	032	16	05.1	01.1	129	31	08.3	07.3	282	31	08.7	07.8	284
3.6 ,,	31	04.5	02.8	076	17	05.1	04.3	084	31	05.1	02.2	059	12	04.7	04.0	091	31	11.7	10.6	285	31	11.8	11.1	286
4.5 ,,	31	07.3	05.9	068	16	07.4	06.7	079	30	06.4	04.9	071	08	06.5	05.8	065	31	16.5	15.7	285	31	16.3	15.4	284
5.4 ,,	31	09.0	08.0	068	16	07.9	07.0	079	30	08.2	06.9	066	03	07.0	05.8	047	30	21.0	19.8	291	31	21.5	20.1	271
6.0 ,,	31	09.1	07.8	064	16	09.6	08.5	075	28	08.7	06.9	070	03	05.0	04.5	050	27	23.4	22.0	282	30	23.8	22.5	283
7.2 ,,	31	09.6	07.9	067	13	11.2	07.3	070	28	09.9	07.0	064					17	31.9	29.4	282	13	27.8	26.7	277
9.C ,,	30	07.5	03.7	085	12	12.5	06.5	081	28	07.9	03.1	073					03	38.7	38.3	258	06	33.0	31.9	283

STATION	UDAIPUR				VENGURLA												VERAVAL							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.0	00.0	000	31	00.7	00.7	360	31	02.5	02.3	279	31	00.9	00.9	360	31	04.5	04.2	026	31	06.1	03.4	311
.15 A.G.L.	31	03.3	02.9	028	31	04.8	04.0	027	31	04.3	03.9	283	31	06.3	06.2	360	31	11.4	10.7	032	31	05.8	03.6	317
.3A.M.S.L.					31	05.6	04.0	025	31	04.5	03.9	286	31	07.2	07.0	357	31	09.3	08.1	031	31	05.3	03.8	336
.6 ,,					31	05.8	03.6	030	31	03.3	02.2	316	31	06.6	06.1	355	31	05.7	04.3	022	31	04.9	04.3	007
.9 ,,	31	03.8	03.0	040	31	05.6	03.2	047	31	03.1	01.6	346	31	05.6	04.2	360	31	04.3	02.7	004	31	05.0	04.5	012
1.5 ,,	31	03.5	01.2	080	31	05.6	03.3	081	31	04.9	03.8	061	31	05.9	03.5	063	31	05.1	03.1	338	31	05.0	03.6	004
2.1 ,,	31	04.6	03.1	284	31	05.4	03.8	083	31	06.9	06.0	066	31	07.2	06.4	077	31	05.4	03.4	318	31	06.0	04.6	326
3.0 ,,	31	09.0	07.7	273	29	04.1	01.9	052	29	06.7	04.9	042	29	06.0	04.5	074	31	06.6	05.4	316	31	07.2	06.2	313
3.6 ,,	30	11.7	10.5	273	19	05.5	02.8	032	29	06.1	03.4	029	23	05.4	03.6	062	02	09.0	04.9	277	31	09.2	08.2	308
4.5 ,,	14	15.2	13.7	282	01	06.0	06.0	320	29	06.9	04.6	010	01	03.0	03.0	025					31	12.5	11.4	294
5.4 ,,	03	19.7	18.7	281					29	07.4	04.6	360									31	15.2	13.8	289
6.0 ,,									29	08.0	05.1	348									31	17.6	16.0	289
7.2 ,,									26	08.9	06.2	332									28	21.6	19.9	284
9.0 ,,									23	10.2	05.9	320									13	23.8	20.9	296

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JANUARY 1967.(PAUSA 11 - MAGHA 11.1888 SAKA)

STATION	VERAVAL				VIJAYWADA/GANNAVARAM												VISHAKHAPATNAM							
TIME IN I.S.T.	2330				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	03.5	03.0	006	31	01.8	01.5	056	31	02.8	02.4	107	31	01.7	01.3	088	31	05.7	05.2	027	31	03.5	02.7	056
.15 A.G.L.	31	09.9	08.6	008	29	05.4	04.4	067	31	04.3	03.7	108	31	06.3	05.1	107	31	09.3	08.8	026	31	06.9	05.2	060
.3A.M.S.L.	31	10.1	08.9	018	29	06.1	04.6	080	31	04.5	03.9	103	31	06.9	05.9	105	31	08.9	08.4	030	31	06.9	04.9	056
.6 ,,	31	08.6	07.5	031	29	06.9	05.7	077	31	04.5	03.7	093	31	06.2	05.3	092	31	07.8	06.8	045	31	07.0	05.4	052
.9 ,,	31	06.5	05.6	042	29	06.5	05.5	073	31	04.5	03.5	071	31	04.9	04.3	072	31	06.5	05.2	060	30	07.4	06.4	054
1.5 ,,	31	05.0	02.0	359	28	05.9	05.0	049	31	04.9	04.2	034	30	05.5	05.0	024	31	06.7	04.7	060	29	06.8	05.3	055
2.1 ,,	31	05.6	03.9	321	27	05.8	04.6	049	31	05.7	04.8	035	30	05.8	04.4	026	31	06.1	02.4	050	27	05.3	02.9	044
3.0 ,,	31	06.2	04.3	317	27	04.4	01.8	039	30	05.5	02.7	002	29	04.7	02.3	003	31	05.9	01.4	300	22	05.5	01.7	307
3.6 ,,	15	08.0	06.6	313	26	04.6	01.9	011	25	05.2	02.3	318	23	04.9	02.0	355	31	06.2	01.9	291	22	05.6	02.8	298
4.5 ,,	04	10.5	08.8	286	25	05.7	01.5	341	23	05.7	03.4	321	19	06.0	03.5	331	31	06.9	03.0	291	22	06.9	04.2	303
5.4 ,,					23	05.9	03.1	327	22	06.5	04.2	318	11	06.8	05.0	335	31	08.7	05.0	304	22	08.9	06.7	305
6.0 ,,					23	06.6	04.3	324	22	06.7	04.7	311	10	06.4	05.2	325	31	10.3	06.7	305	22	09.6	07.4	305
7.2 ,,					22	08.9	05.9	308	17	08.4	05.2	305	02	05.5	05.5	295	31	11.0	08.7	300	18	11.4	09.9	291
9.0 ,,					17	10.3	06.2	296	09	09.4	06.3	311					30	13.6	11.0	274	13	13.9	11.7	278

STATION	VISHAKHAPATNAM							
TIME IN I.S.T.	1730*				2330			
HT IN KM.	N	S	V	D	N	S	V	D
SURFACE	31	05.7	05.4	032	31	03.3	02.7	033
.15 A.G.L.	31	08.6	08.0	043	31	06.5	04.4	043
.3A.M.S.L.	31	08.3	07.7	043	31	06.8	04.7	051
.6 ,,	31	06.9	06.3	056	31	07.1	05.2	062
.9 ,,	31	07.1	06.6	050	30	06.2	05.0	056
1.5 ,,	31	06.3	04.7	035	26	06.0	04.4	043
2.1 ,,	31	06.8	03.6	015	24	04.5	02.7	005
3.0 ,,	31	05.6	02.0	334	23	05.4	02.5	288
3.6 ,,	30	06.3	02.7	304	15	06.3	03.2	273
4.5 ,,	30	07.6	04.7	290	11	07.0	04.1	327
5.4 ,,	30	09.0	06.4	290	04	06.3	00.4	342
6.0 ,,	30	10.1	07.6	294	04	07.5	02.5	330
7.2 ,,	29	12.2	10.0	286	03	08.0	04.8	328
9.0 ,,	28	14.5	11.9	278	03	07.7	06.4	294

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

JANUARY 1967.(PAUSA 11 - MAGHA 11,1888 SAKA)

STATION	AGARTALA	AHMADABAD			ANANTAPUR	ASANSOL
TIME IN I.S.T.	1730	0530*	1130	1730*	0530	0530
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	01 41.0 41.0 254	20 40.7 37.5 283	08 38.1 34.5 274	13 37.6 35.8 280	16 09.0 04.2 277	04 38.5 35.6 26
12.0		11 41.8 37.7 284	02 34.0 33.5 250	10 37.2 33.5 291	10 13.8 07.0 242	02 34.5 30.0 26
14.1		04 36.7 30.2 261		02 26.0 25.9 267	05 08.6 07.7 244	
16.2		01 35.0 35.0 240		01 10.0 10.0 300	05 07.2 01.5 283	
18.0				01 12.0 12.0 275	04 05.7 03.9 100	
21.0					04 06.7 02.5 034	
24.0					01 04.0 04.0 050	
27.0						
30.0						
33.0						

STATION	ASANSOL	AURANGABAD/CHIKALTHAN	BANGALORE			BEGAMPET
TIME IN I.S.T.	1730	1730	0530*	1130	1730*	0530
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	01 32.0 32.0 240	05 32.0 23.8 268	19 08.0 01.6 215	12 09.9 03.9 094	17 09.8 03.8 201	02 15.0 10.2 28
12.0		03 24.3 22.3 317	17 10.5 07.2 185	10 09.8 02.9 151	14 10.4 08.3 191	01 20.0 20.0 33
14.1		01 07.0 07.0 277	11 11.3 06.8 155	06 07.8 05.6 195	06 09.7 02.2 181	
16.2			07 10.3 03.8 116	05 08.2 06.6 190	05 11.0 01.9 199	
18.0			02 02.5 01.9 328	05 08.8 03.2 254	04 06.5 06.3 261	
21.0				02 08.0 07.4 090	03 14.3 13.5 256	
24.0				02 11.0 03.5 202		
27.0				02 12.0 04.1 329		
30.0				01 20.0 20.0 274		
33.0						

STATION	BEGAMPET	BHOPAL/RAIRAGARH		BHUJ/RUDRAMATA	BOMBAY/SANTACRUZ	
TIME IN I.S.T.	1730	0530	1730	0530	0530*	1130
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	02 14.5 14.0 309	16 40.5 30.6 275	01 39.0 39.0 282	03 35.7 33.7 293	31 24.6 20.1 288	19 20.9 17.7 27
12.0	01 17.0 17.0 293	07 41.6 36.7 277			30 25.6 19.5 276	15 21.5 18.9 25
14.1					26 24.2 18.4 258	09 19.6 15.9 25
16.2					19 20.2 17.5 265	
18.0					12 15.0 12.4 265	
21.0					05 11.6 07.8 268	
24.0						
27.0						
30.0						
33.0						

STATION	BOMBAY/SANTACRUZ	CALCUTTA/DUM DUM			DIBRUGARH/MOHANBARI	
TIME IN I.S.T.	1730*	0530*	1130	1730*	0530	1130
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	31 22.1 18.5 287	29 36.9 34.8 257	03 42.0 40.0 272	26 37.0 35.5 255	04 43.5 40.7 253	10 53.0 47.2 25
12.0	31 23.4 18.0 273	26 36.8 35.4 244	01 48.0 48.0 297	24 36.9 30.7 243	02 49.5 48.7 240	02 68.0 65.8 241
14.1	29 24.8 20.3 255	20 33.7 31.5 248		19 32.6 32.0 247	01 55.0 55.0 228	01 48.0 48.0 26
16.2	24 19.9 16.7 275	16 28.3 20.6 252		15 25.7 24.7 257		
18.0	15 14.4 12.6 276	06 16.3 15.8 265		06 16.7 15.6 258		
21.0	06 12.8 07.6 288	01 09.0 09.0 320		01 30.0 30.0 275		
24.0						
27.0						
30.0						
33.0						

STATION	GADAG		GANGTOK		GAUHATI	
TIME IN I.S.T.	0530	1730	0830	1730	0530*	1130
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	28 10.9 05.7 261	12 11.3 03.7 339	03 30.7 29.7 244	01 29.0 29.0 242	20 47.1 45.4 258	04 52.2 50.7 260
12.0	28 12.2 08.8 237	10 08.7 04.1 215			15 50.5 48.7 248	03 51.3 51.3 251
14.1	16 10.3 04.8 204	08 12.3 02.3 319			10 45.2 43.6 255	
16.2	15 06.8 01.6 265	08 06.5 01.5 257			06 39.7 37.0 262	
18.0	12 06.2 03.2 324	06 07.0 03.1 338				
21.0	09 08.9 00.4 301	05 08.8 02.9 300				
24.0	02 05.0 01.0 185					
27.0						
30.0						
33.0						

STATION	GAUHATI	GWALIOR			IMPHAL/TULIHAL	
TIME IN I.S.T.	1730*	0530	1130	1730	0530	1130
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	21 47.8 45.5 254	01 65.0 65.0 250	02 67.5 67.5 250	02 46.0 46.0 321	04 41.0 40.7 255	09 47.7 41.3 263
12.0	14 46.4 45.2 251				02 62.0 61.9 241	04 54.5 50.0 262
14.1	06 41.5 40.7 255					01 103.0 103.0 262
16.2	03 36.0 35.0 267					01 103.0 103.0 266
18.0						01 92.0 92.0 263
21.0						01 97.0 97.0 260
24.0						01 88.0 88.0 270
27.0						
30.0						
33.0						

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

JANUARY 1967.(PAUSA 11 - MAGHA 11,1888 SAKA)

STATION	JAGDALPUR								JHARSUGUDA								JODHPUR							
TIME IN I.S.T.	0530				1730				0530				1730				0530*				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	12	23.0	20.2	263	11	21.9	19.2	263	03	31.3	28.1	261	02	40.5	39.5	294	18	53.2	47.7	280	20	49.3	45.3	274
12.0	07	20.7	19.0	256	06	20.5	19.0	238					01	39.0	39.0	255	10	48.8	45.6	300	11	44.2	41.4	291
14.1	05	20.8	17.6	253	04	20.5	17.0	219									02	53.5	53.4	285	01	34.0	34.0	280
16.2	03	09.0	08.3	250	01	09.0	09.0	260																
18.0	01	05.0	05.0	260																				
21.0																								
24.0																								
27.0																								
30.0																								
33.0																								

STATION	LUCKNOW/AMAUSI												MADRAS/MINAMBAKKAM											
TIME IN I.S.T.	0530*				1130				1730*				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	22	43.2	40.2	271	05	52.0	44.5	269	23	47.6	43.0	275	29	08.6	05.3	210	06	05.8	05.7	191	29	08.1	03.8	188
12.0	16	45.8	42.4	273	04	55.5	45.9	257	16	48.6	43.9	273	29	12.6	08.5	197	03	08.0	07.1	174	29	11.2	07.8	191
14.1	09	55.1	51.7	277					08	44.5	39.7	275	22	13.3	08.8	175	03	06.0	05.3	079	26	13.4	09.4	182
16.2	06	46.3	37.4	268					04	48.5	47.0	273	14	09.1	05.9	089	02	07.0	04.1	130	14	09.5	06.0	119
18.0	02	45.5	45.0	262									06	05.0	04.4	276					02	06.0	06.0	286
21.0													03	09.3	03.1	226								
24.0																								
27.0																								
30.0																								
33.0																								

STATION	MANGALORE/BAJPE								MINICOY								NAGPUR/SONEGAON			
TIME IN I.S.T.	0530				1730				0530				1130				1730*				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	14	07.3	01.7	313	20	10.3	00.6	013	11	08.3	03.0	206	03	10.0	00.9	198	30	09.5	04.2	029	30	26.6	23.3	267
12.0	09	09.2	03.8	196	17	11.2	05.4	200	06	09.8	05.2	126	01	04.0	04.0	285	30	12.9	07.8	146	26	26.8	24.4	256
14.1	04	06.7	02.6	114	12	12.3	05.4	203	03	09.0	01.1	155	01	05.0	05.0	040	29	15.0	08.3	125	20	28.6	26.0	255
16.2	03	05.0	00.7	265	12	09.1	01.0	335					01	09.0	09.0	075	21	05.1	02.8	101	16	20.5	18.7	268
18.0	02	07.5	06.2	088	06	10.8	06.5	274									19	07.7	05.0	258	02	15.0	15.0	262
21.0	01	07.0	07.0	285	05	16.0	07.9	262									13	12.4	11.2	265				
24.0					02	15.0	05.5	241									02	13.0	12.8	293				
27.0					02	25.0	15.3	206																
30.0																								
33.0																								

STATION	NAGPUR/SONEGAON								NEW DELHI/SAFDARJUNG								POONA				PORT BLAIR			
TIME IN I.S.T.	1130				1730*				0530*				1730*				1730				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	14	28.8	25.0	268	30	27.4	24.0	272	31	57.3	52.1	272	31	60.2	56.5	274	11	16.2	12.6	296	30	09.6	06.1	132
12.0	06	27.1	23.0	245	29	27.7	24.3	258	30	52.8	49.8	267	30	53.4	50.6	273	10	16.2	13.6	269	30	12.6	10.0	136
14.1	01	33.0	33.0	287	25	25.4	21.8	253	29	41.1	39.8	268	29	41.6	40.2	268	05	15.8	13.6	277	23	17.6	14.6	130
16.2					19	20.2	18.4	270	29	24.7	24.1	268	26	23.1	22.3	272	02	11.0	08.9	283	14	13.9	10.7	112
18.0					02	15.0	15.0	274	23	11.0	08.8	280	20	10.3	08.9	274					06	06.0	03.1	009
21.0					01	04.0	04.0	040	18	07.6	03.8	320	17	07.6	03.2	268					05	10.2	09.8	260
24.0									09	06.9	02.2	071	06	05.3	01.1	003					01	10.0	10.0	240
27.0																								
30.0																								
33.0																								

STATION	PORT BLAIR								RAIPUR								SRINAGAR							
TIME IN I.S.T.	1130				1730*				0530				1730				0530*				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	06	14.8	08.8	120	30	10.1	07.3	141	11	26.3	25.4	259	11	29.3	26.8	289	24	39.6	35.8	280	21	38.9	36.2	278
12.0	04	16.7	14.7	128	30	13.2	09.8	142	04	34.7	32.3	250	02	35.0	33.5	248	22	30.6	30.4	277	16	37.4	35.0	274
14.1	04	16.2	15.5	113	24	14.4	10.7	132									05	36.0	34.9	260	04	33.5	31.9	278
16.2	03	15.0	15.0	088	18	10.8	06.3	134																
18.0	02	12.5	12.4	089	06	05.7	01.7	185																
21.0	01	35.0	35.0	092	04	04.0	01.7	268																
24.0																								
27.0																								
30.0																								
33.0																								

STATION	TRIVANDRUM												VENGURLA				VIJAYWADA/GANNAVARAM							
TIME IN I.S.T.	0530*				1130				1730*				1730				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	29	07.9	04.6	142	06	12.7	04.3	072	28	09.3	05.1	152	11	10.0	06.6	327	14	11.1	06.1	266	02	10.5	08.7	323
12.0	28	11.3	07.9	131	02	08.0	05.9	153	28	10.6	07.5	137					08	12.6	08.7	234				
14.1	25	15.3	10.5	122	02	09.0	08.9	051	26	14.6	09.7	120												
16.2	18	08.6	02.6	122	02	08.5	07.7	065	23	08.6	03.6	100												
18.0	10	08.0	04.3	254	01	08.0	08.0	062	12	09.6	05.3	237												
21.0	06	10.8	10.5	267	01	05.0	05.0	315	04	17.0	16.0	258												
24.0																								
27.0																								
30.0																								
33.0																								

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

JANUARY 1967.(PAUSA 11 - MAGHA 11,1888 SAKA)

STATION	VISHAKHAPATNAM																							
TIME IN I.S.T.	0530*				1130				1730*				2330											
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	30	16.0	13.2	252	11	16.1	10.6	278	28	18.0	14.6	250	03	09.7	07.2	235								
12.0	30	19.2	17.2	235	09	16.3	13.1	243	28	20.2	17.1	235	03	13.3	13.3	189								
14.1	25	19.1	16.5	230	07	12.7	09.8	237	23	16.0	12.8	225	02	21.0	21.0	177								
16.2	15	14.0	11.0	228	06	08.7	05.7	254	09	11.2	10.3	235	02	13.0	12.8	231								
18.0	05	11.0	06.1	194	05	03.8	02.5	239					01	03.0	03.0	018								
21.0	01	05.0	05.0	025	03	08.0	07.2	235																
24.0																								
27.0																								
30.0																								
33.0																								

RADIOSONDE DATA

During the month, observations of upper air temperature, pressure and humidity were made at 16 stations in India as given in the list below. For detailed description of the instruments used, a reference may be made to the I.M.D. Scientific Notes Nos. 112 and 113 (Volume IX)

List of Radiosonde stations in India

S. No.	Name of Station	Type of instrument used	Date of starting	Hours of routine observations in GMT during the month	Remarks
1.	Ahmadabad	Fan type	20th July 1961	00 and 12	
2.	Bangalore	Fan type	10th Mar. 1961	00 and 12	
3.	Bombay/Santacruz	Clock type	7th Sep. 1954	00 and 12	
4.	Calcutta/Dum Dum	Clock type	13th Dec. 1946	00 and 12	Fan type from 13.12.1946 to 30.11.1947.
5.	Cochin/Ernakulam	Fan type	1st Aug. 1966	00 and 12	
6.	Gauhati	Clock type	22nd Jul. 1955	00 and 12	
7.	Jodhpur	Clock type	17th Apr. 1946	00 and 12	
8.	Lucknow/Amausi	Clock type	15th Aug. 1966	00 and 12	
9.	Madras/Minambakkam	Fan type	29th Jun. 1946	00 and 12	
10.	Minicoy	Fan type	12th May. 1963	12	
11.	Nagpur/Sonegaon	Fan type	1st Oct. 1946	00 and 12	
12.	New Delhi/Safdarjung	Clock type	3rd Dec. 1943	00 and 12	
13.	Port Blair	Fan type	4th Dec. 1949	00 and 12	
14.	Srinagar	Clock type	1st Aug. 1962	00 and 12	
15.	Trivandrum	Fan type	1st Jul. 1947	00 and 12	
16.	Vishakhapatnam	Fan type	8th Dec. 1946	00 and 12	

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(A) FROM ASCENTS AT 00 HRS G.M.T.
JANUARY 1967. (PAUSA 11 - MAGHA 11, 1888 SAKA)

STANDARD PRESSURE SURFACE MB	AHMADABAD SURFACE PR (1008 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	BANGALORE (912 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	BOMBAY/SANTACRUZ (1011 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00055	284.2	288	282	274.2	31	00921	288.3	292	285	287.2	31	00013	290.8	298	285	284.0
1000	31	00127	285.5	289	283	272.9	31	00131					31	00105				
900	31	01028	289.7	294	286	268.5	31	01029	288.5	292	285	286.2	31	01025	293.2	297	288	279.4
850	31	01512	287.0	291	282	265.1	31	01514	288.2	291	281	281.1	31	01518	289.8	293	286	278.0
800	31	02021	284.9	289	279	261.2	31	02026	285.8	289	280	276.3	31	02034	286.3	291	283	276.0
700	31	03133	280.4	284	276	255.8	31	03139	282.2	287	278	268.5	31	03150	281.4	286	277	265.8
600	31	04387	273.5	278	269	248.2	31	04402	276.4	281	272	263.6	31	04413	275.4	279	268	258.3
500	31	05829	264.5	270	258		31	05858	268.2	272	263		31	05864	267.0	272	260	
400	31	07525	254.0	260	248		31	07575	256.3	261	251		31	07576	256.0	261	251	
300	30	09610	239.7	246	233		31	09673	240.7	245	236		31	09673	240.6	248	234	
250	30	10868	230.3	237	223		31	10935	231.1	238	224		31	10935	231.5	238	227	
200	28	12349	220.9	227	214		30	12415	219.7	229	215		29	12406	221.0	227	215	
175	25	13194	215.3	219	210		28	13251	213.9	222	209		29	13262	209.7	215	203	
150	23	14161	209.7	214	204		28	14219	207.4	213	201		28	14225	209.7	215	203	
125	18	15260	203.8	208	200		26	15302	202.1	208	192		28	15328	203.5	211	196	
100	07	16584	198.7	201	197		24	16629	197.6	204	192		23	16667	199.6	207	193	
80							19	17939	199.1	205	195		16	17977	199.6	207	195	
70							14	18766	201.7	208	198		13	18776	202.2	207	198	
60							13	19657	204.6	211	200		10	19715	205.3	218	200	
50							12	20699	207.9	213	203		08	20828	209.7	213	205	
40							06	22079	213.0	216	209		06	22202	213.5	216	210	
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	CALCUTTA/DUM DUM SURFACE PR (1014 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	COCHIN/ERNAKULAM (1010 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	GAUHATI (1010 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00006	286.9	294	282	285.7	31	00003	296.0	299	293	293.4	31	00049	284.4	291	280	283.5
1000	31	00124	288.6	293	284	284.0	31	00094	296.2	299	293	293.0	31	00135	285.6	290	281	282.7
900	31	01022	287.2	292	282	277.3	31	01012	292.0	295	289	287.6	31	01031	287.0	290	283	279.3
850	31	01504	285.4	290	281	274.4	31	01503	289.2	291	286	284.2	31	01509	284.0	288	280	275.7
800	31	02011	282.7	289	276	272.4	31	02017	286.4	288	283	279.9	31	02014	281.3	285	275	270.5
700	31	03111	277.9	283	270	265.0	31	03134	282.7	286	279	267.0	31	03107	275.6	281	270	262.1
600	31	04358	272.5	277	265	263.3	31	04399	276.0	280	272	263.3	31	04342	269.9	276	264	
500	31	05794	264.7	271	255		31	05854	267.8	273	264		31	05766	262.6	270	253	
400	31	07494	254.2	263	245		31	07570	256.5	260	252		31	07456	253.7	263	244	
300	31	09584	240.5	252	234		31	09669	240.6	243	237		31	09543	241.1	249	234	
250	31	10851	232.7	243	226		30	10928	231.1	237	227		30	10810	233.3	239	225	
200	29	12325	222.5	228	216		30	12402	219.1	225	213		29	12311	225.2	235	220	
175	28	13189	216.7	223	210		29	13234	213.1	220	207		29	13169	220.1	230	211	
150	27	14143	210.6	219	203		28	14193	206.5	214	199		27	14167	215.7	224	207	
125	27	15261	205.3	214	197		25	15256	200.7	207	193		25	15306	210.0	219	201	
100	26	16582	200.5	210	194		25	16581	196.8	201	193		23	16651	205.7	215	197	
80	15	17850	197.7	204	189		21	17883	200.2	208	194		22	17998	205.3	216	197	
70	14	18613	199.0	204	189		18	18680	203.8	213	196		17	18824	206.8	219	199	
60	13	19536	201.9	207	194		17	19599	208.4	216	201		14	19787	207.8	221	199	
50	12	20610	206.6	215	201		14	20709	212.3	220	207		11	20907	210.6	219	205	
40	10	21931	211.8	226	205		06	22133	216.8	219	213		07	22303	214.6	219	210	
30	05	23670	217.2	231	210													
20																		
10																		

STANDARD PRESSURE SURFACE MB	JODHPUR SURFACE PR (988 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	LUCKNOW/AMAUSI (1001 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	MADRAS/MINAMBAKKAM (1010 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00217	286.3	292	284	269.4	31	00127	282.3	286	279	276.8	31	00015	294.4	298	292	293.1
1000	31	00118					30	00136	282.4	286	279	276.0	31	00102	294.6	297	292	292.5
900	31	01007	286.8	294	282	256.9	30	01022	286.1	291	283	265.0	31	01011	290.5	295	286	283.5
850	31	01486	284.0	291	278	254.5	30	01500	284.4	289	281	264.3	31	01498	287.7	291	282	279.3
800	31	01989	281.5	288	275	252.9	30	02004	281.7	285	278	260.9	31	02011	285.6	288	282	273.7
700	31	03082	276.7	283	270	250.4	30	03097	275.9	281	269	252.6	31	03124	281.8	285	277	263.2
600	31	04319	270.1	275	265		30	04328	268.7	274	264		31	04385	275.5	278	273	258.3
500	31	05739	261.5	267	255		30	05741	260.1	267	255		31	05838	267.3	272	263	
400	31	07411	250.6	258	243		30	07411	250.3	256	242		31	07547	254.9	261	248	
300	31	09472	237.3	245	229		30	09470	237.7	247	229		31	09638	239.1	248	233	
250	31	10720	228.8	237	219		30	10722	230.2	239	221		30	10889	229.4	233	223	
200	30	12183	219.9	226	212		30	12204	222.1	234	215		30	12352	217.5	225	215	
175	29	13037	215.6	220	207		29	13068	218.2	231	209		30	13183	211.4	220	204	
150	26	14012	212.4	217	206		29	14033	213.5	224	204		30	14133	204.8	213	198	
125	24	15129	207.3	212	202		29	15172	207.8	217	200		27	15193	199.1	205	193	
100	17	16455	203.5	207	199		29	16507	203.9	211	195		23	16505	196.8	206	192	
80	10	17739	205.0	209	200		27	17840	203.2	213	195		18	17813	199.7	205	195	
70	08	18553	207.6	212	202		26	18639	203.7	213	195		16	18624	202.6	208	198	
60	07	19487	211.7	216	206		22	19541	206.5	215	199		12	19535	206.1	212	201	
50	05	20622	215.0	219	211		11	20671	209.7	217	200		09	20630	210.6	214	207	
40							08	22112	214.7	221	207							
30							05	23966	221.2	223	220							
20																		
10																		

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(A) FROM ASCENTS AT 00 HRS G.M.T.
JANUARY 1967. (PAUSA 11 - MAGHA 11, 1888 SAKA)

STANDARD PRESSURE SURFACE MB	MINICOY SURFACE PR (0 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	NAGPUR/SONEGAON (978 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	NEW DELHI/SAFDARJUNG (992 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT
SURFACE							31	00311	286.8	290	283	281.9	31	00209	281.1	285	277	273.3
1000							31	00128					31	00142				
900							31	01027	290.7	294	287	279.1	31	01024	284.7	289	280	266.1
850							31	01513	287.5	291	284	277.1	31	01500	282.4	286	276	261.6
800							31	02022	284.5	288	278	273.6	31	02001	280.2	285	273	259.7
700							31	03128	279.3	285	274	264.9	31	03086	273.8	279	269	253.0
600							31	04380	274.0	277	270	258.1	31	04307	266.3	272	261	
500							31	05822	265.9	270	260		31	05708	257.5	265	253	
400							31	07526	254.9	262	247		31	07357	246.7	253	240	
300							30	09613	239.0	245	231		31	09388	235.0	243	227	
250							30	10864	229.4	237	223		31	10627	228.4	236	218	
200							28	12333	218.8	227	210		31	12096	221.5	229	214	
175							27	13181	213.5	220	205		31	12958	218.1	225	212	
150							27	14132	208.2	214	199		30	13934	214.2	221	207	
125							24	15230	202.9	209	193		29	15064	210.2	217	203	
100							23	16543	198.9	206	192		27	16427	206.7	214	197	
80							18	17876	200.4	208	195		25	17775	206.0	214	197	
70							17	18620	202.7	209	195		24	18584	207.0	215	201	
60							12	19573	206.5	212	197		21	19514	209.0	217	204	
50							10	20669	212.0	217	206		19	20632	212.4	219	206	
40							07	21996	214.9	219	211		12	22046	217.5	223	213	
30													08	23875	220.7	225	217	
20																		
10																		

STANDARD PRESSURE SURFACE MB	PORT BLAIR SURFACE PR (1002 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	SRINAGAR (846 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	TRIVANDRUM (1003 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00079	297.4	299	293	295.3	28	01588	271.2	275	265	273.9	31	00064	297.2	299	295	294.0
1000	31	00095	297.3	299	293	295.2	28	00235					31	00090	297.1	299	295	294.0
900	31	01010	292.6	295	290	288.3	28	01092					31	01009	292.4	295	291	287.3
850	31	01501	290.0	293	285	285.1	28	01550					31	01500	289.8	292	286	284.4
800	31	02017	287.5	290	283	282.3	28	02029	268.6	274	262	265.0	31	02016	287.0	290	283	280.4
700	31	03136	282.2	287	279	275.1	28	03072	265.0	270	260		31	03134	282.5	285	278	269.6
600	31	04400	276.2	281	271	265.9	28	04255	258.0	265	252		31	04400	276.1	280	270	263.5
500	31	05859	268.9	274	262		28	05614	248.7	255	241		31	05854	267.6	271	262	
400	30	07580	257.7	263	250		28	07203	237.1	243	230		31	07570	256.5	261	253	
300	30	09693	242.8	249	236		28	09150	225.7	236	219		30	09678	241.4	245	237	
250	29	10962	232.9	239	225		28	10345	221.9	235	217		29	10948	231.7	235	228	
200	28	12448	221.1	228	214		28	11791	220.7	233	214		29	12426	219.7	227	215	
175	23	13308	214.9	223	208		25	12656	219.9	231	212		27	13247	213.0	219	208	
150	21	14248	207.1	215	199		21	13668	218.9	228	210		26	14215	206.4	213	199	
125	15	15384	201.3	210	194		19	14826	217.3	224	211		22	15276	200.7	209	193	
100	11	16693	197.8	202	194		16	16264	217.4	224	212		18	16605	196.9	204	191	
80	09	18045	201.5	212	194		14	17686	217.6	224	213		13	17908	199.0	206	193	
70	06	18783	200.5	207	195		13	18562	219.2	226	216		11	18681	201.0	205	197	
60	05	19627	203.6	213	198		08	19572	220.3	225	217		11	19597	204.7	213	199	
50	05	20718	208.8	218	202		06	20811	221.7	227	215		07	20707	207.9	211	205	
40																		
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	VISAKHAPATNAM SURFACE PR (1009 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00041	294.8	297	291	291.5												
1000	31	00117	294.3	297	291	290.8												
900	31	01027	290.0	293	285	285.2												
850	31	01515	287.8	291	281	281.5												
800	31	02027	285.3	290	280	278.0												
700	31	03141	281.4	287	277	270.5												
600	31	04400	274.8	281	270	264.0												
500	31	05851	266.7	271	261													
400	31	07562	255.5	262	248													
300	30	09657	240.0	247	235													
250	30	10918	231.4	237	224													
200	30	12395	219.7	225	213													
175	27	13230	213.9	218	204													
150	26	14191	208.0	215	197													
125	22	15262	202.5	209	191													
100	16	16587	198.3	205	191													
80	11	17926	201.6	208	190													
70	10	18733	206.5	213	193													
60	08	19662	209.4	216	196													
50	07	20730	212.6	219	201													
40																		
30																		
20																		
10																		

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(B) FROM ASCENTS AT 12 HRS G.M.T.
JANUARY 1967.(PAUSA 11 - MAGHA 11,1888 SAKA)

STANDARD PRESSURE SURFACE MB	AHMADABAD SURFACE PR (1007 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	BANGALORE (910 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	BOMBAY/SANTACRUZ (1010 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00055	300.7	305	297	276.1	31	00921	297.7	301	293	286.6	31	00013	299.6	303	297	287.6
1000	31	00118	300.2	304	297	275.5	31	00092					31	00101	299.4	302	296	286.4
900	31	01036	292.4	298	289	268.5	31	01019	297.0	300	293	285.7	31	01027	294.6	298	288	278.5
850	31	01523	288.6	295	283	265.0	31	01515	292.3	295	289	283.4	31	01522	290.8	294	284	276.3
800	31	02038	286.3	292	281	260.2	31	02032	287.4	292	284	280.9	31	02039	287.3	291	282	272.7
700	31	03152	281.2	286	275	252.5	31	03149	282.6	286	278	269.9	31	03159	282.3	289	278	263.7
600	31	04410	274.3	279	270	248.8	31	04414	276.4	280	272	262.7	31	04423	276.2	281	269	257.9
500	31	05852	265.5	271	259		31	05871	267.8	272	263		31	05877	267.3	272	261	
400	31	07560	255.2	262	248		31	07587	256.0	260	253		31	07589	255.7	260	252	
300	31	09651	239.8	247	231		31	09685	240.7	246	235		31	09684	240.7	245	237	
250	31	10918	230.6	237	223		31	10947	231.2	238	226		31	10944	231.2	236	226	
200	30	12386	221.0	231	215		31	12422	219.2	224	214		31	12424	220.6	227	215	
175	27	13259	215.8	225	209		22	13255	212.8	218	208		30	13274	214.7	221	209	
150	24	14244	210.9	218	203		22	14212	206.5	213	199		30	14232	208.8	217	201	
125	19	15390	206.6	215	199		21	15273	200.4	208	191		27	15333	203.2	215	193	
100	13	16689	202.2	212	195		18	16625	196.0	203	190		25	16660	200.0	211	191	
80	09	18058	204.1	214	197		15	17945	199.6	210	196		21	17968	200.8	215	192	
70	07	18864	207.4	217	200		11	18717	201.5	207	197		19	18751	201.5	213	194	
60	06	19819	211.7	220	203		11	19646	203.9	209	200		15	19667	204.6	216	195	
50							10	20725	208.7	213	203		12	20803	208.4	219	199	
40																		
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	CALCUTTA/DUM DUM SURFACE PR (1013 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	COCHIN/ERNAKULAM (1008 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	GAUHATI (1008 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00006	295.6	299	289	287.3	31	00003	301.5	303	299	294.5	31	00049	293.0	296	289	287.6
1000	31	00116	295.7	299	288	285.8	31	00076	301.0	302	299	294.4	31	00115	293.1	296	290	286.9
900	31	01026	290.2	294	287	278.5	31	01003	294.2	297	291	287.8	31	01019	288.5	291	286	278.6
850	31	01512	287.7	293	283	273.7	31	01496	290.8	295	288	283.9	31	01501	285.4	288	281	274.9
800	31	02023	285.6	290	282	270.2	31	02013	287.6	291	285	279.7	31	02009	282.1	286	278	271.0
700	31	03134	280.3	288	274	261.7	31	03133	283.1	287	279	269.0	31	03102	275.4	280	271	258.4
600	31	04392	274.2	279	270	258.7	31	04401	276.8	281	273		31	04333	269.3	275	264	
500	30	05839	266.3	273	260		31	05860	268.4	272	265		31	05753	261.7	267	252	
400	30	07549	255.9	263	248		31	07578	256.8	261	252		31	07433	252.2	259	243	
300	30	09654	241.9	247	237		31	09681	240.8	246	236		31	09508	239.4	246	230	
250	30	10927	234.0	240	226		31	10944	231.3	235	228		30	10770	232.4	239	225	
200	30	12428	224.4	233	216		30	12419	219.4	224	210		29	12260	221.3	228	216	
175	28	13295	218.3	226	210		30	13259	213.6	217	209		27	13117	216.9	224	210	
150	28	14265	211.9	219	205		29	14223	207.7	212	202		27	14090	212.3	221	205	
125	27	15392	205.6	213	201		27	15287	201.2	205	193		25	15203	206.0	217	199	
100	24	16700	200.4	207	195		25	16628	197.5	205	192		19	16565	201.3	213	195	
80	17	18006	199.6	205	194		24	17923	199.7	206	193		08	17940	201.9	207	199	
70	15	18799	200.4	208	193		22	18727	201.9	209	194		07	18717	206.7	211	202	
60	13	19746	203.2	211	197		19	19635	205.8	213	199							
50	10	20870	208.7	215	204		17	20749	209.8	217	201							
40	05	22160	213.2	215	212		09	22094	213.4	219	208							
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	JODHPUR SURFACE PR (987 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	LUCKNOW/AMAUSI (1000 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	MADRAS/MINAMBAKKAM (1010 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00217	294.5	299	291	271.1	31	00127	292.9	296	289	279.3	31	00015	299.4	301	297	293.2
1000	31	00106					31	00130	292.3	296	289	280.0	31	00099	299.0	301	297	292.5
900	31	01009	288.8	295	283	261.1	31	01028	287.7	291	283	267.3	31	01015	291.6	294	288	285.3
850	31	01489	285.3	291	281	256.6	31	01509	285.5	289	282	261.9	31	01505	289.1	292	285	280.4
800	31	01992	282.4	287	275	252.6	31	02015	283.4	288	280	259.3	31	02019	287.0	290	282	274.7
700	31	03090	277.5	282	270	246.2	31	03115	277.5	284	271	258.3	31	03139	282.7	286	278	266.6
600	31	04330	270.9	276	264	238.3	31	04356	270.5	279	266	251.7	31	04403	276.1	281	271	261.9
500	31	05753	261.9	268	255		31	05777	261.4	269	255		31	05857	267.4	273	262	
400	31	07423	251.7	260	245		31	07448	251.4	257	241		31	07571	255.9	260	251	
300	30	09502	238.2	248	229		31	09526	239.4	248	229		31	09668	240.4	245	235	
250	30	10754	230.3	238	222		31	10785	231.2	240	220		31	10932	230.6	236	225	
200	30	12232	221.4	229	213		30	12265	223.1	232	215		31	12400	218.8	223	213	
175	28	13089	217.2	225	209		30	13120	218.8	227	213		30	13233	212.3	217	207	
150	26	14050	212.2	222	205		30	14103	213.9	222	207		30	14187	205.9	213	200	
125	25	15175	208.0	215	202		27	15231	209.2	216	202		26	15255	199.9	210	193	
100	19	16535	204.4	212	199		25	16601	204.7	213	199		21	16588	196.6	206	192	
80	18	17860	203.8	215	197		20	17918	204.7	214	199		13	17877	199.2	203	195	
70	16	18640	205.8	213	200		17	18689	205.4	214	199		10	18673	202.6	207	197	
60	12	19561	208.6	213	203		17	19627	208.2	217	201		07	19520	207.6	210	202	
50	09	20652	211.3	218	206		14	20759	210.9	220	203		05	20651	210.4	212	206	
40	08	22036	214.7	224	210		10	22092	213.8	218	205							
30							08	23925	218.9	225	213							
20							05	26457	223.2	227	220							
10																		

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT,TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(B) FROM ASCENTS AT 12 HRS G.M.T.
JANUARY 1967.(PAUSA 11 - MAGHA 11.1888 SAKA)

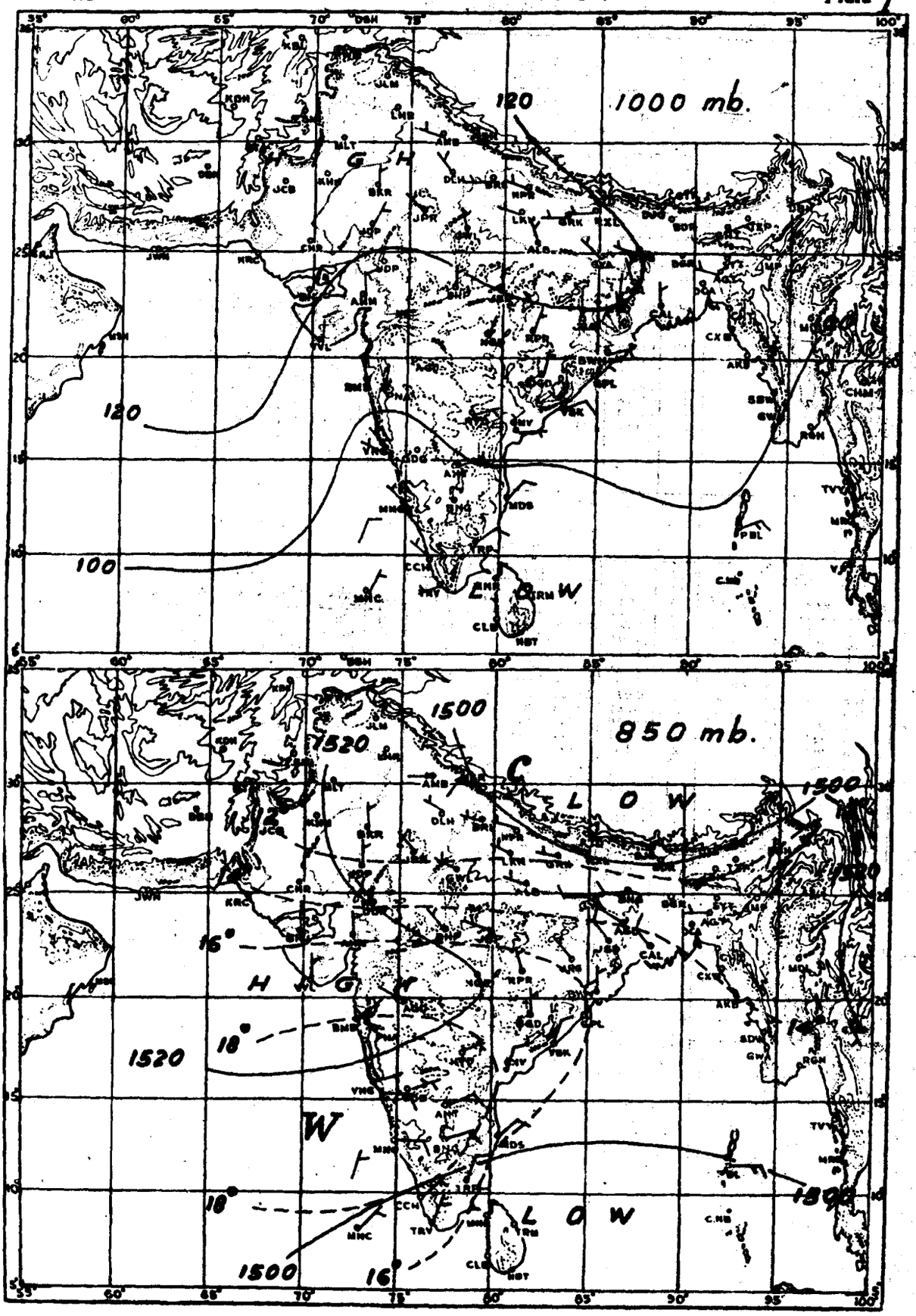
'ANDARD :ESSURE IRFACE MB	MINICOY SURFACE PR (1009 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	NAGPUR/SONEGAON (977 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	NEW DELHI/SAFDARJUNG (991 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT
IRFACE	31	00002	301.3	302	301	294.6	31	00311	300.4	304	297	286.8	31	00209	292.7	297	289	278.7
1000	31	00085	300.5	302	299	293.6	30	00102					31	00135				
900	31	01002	292.7	297	289	287.7	30	01029	293.9	299	291	281.5	31	01031	286.3	290	283	267.9
850	31	01493	290.2	295	286	282.7	30	01520	289.7	295	287	278.0	31	01509	283.4	286	278	263.7
800	31	02009	287.6	292	283	278.5	30	02034	285.8	291	282	273.8	31	02012	280.9	286	276	258.4
700	31	03131	284.0	290	279	267.8	30	03144	280.5	287	275	263.5	31	03102	275.0	281	270	254.9
600	31	04401	277.2	282	272	262.9	30	04399	274.1	278	268	257.5	31	04327	267.3	273	261	
500	31	05862	268.9	274	261		30	05844	266.2	271	260		31	05734	258.3	265	253	
400	31	07583	257.5	264	251		30	07546	254.2	259	248		31	07390	248.2	257	241	
300	31	09690	241.9	248	235		30	09628	239.4	245	233		31	09426	236.2	244	229	
250	31	10957	232.3	239	226		30	10882	230.2	236	224		31	10677	229.5	239	221	
200	31	12441	220.7	229	213		30	12354	219.3	225	215		31	12154	222.0	231	216	
175	31	13287	214.8	225	207		29	13203	214.4	219	210		29	13016	219.1	226	211	
150	28	14246	209.4	222	200		29	14166	209.1	213	204		28	14003	216.1	222	208	
125	26	15328	203.6	219	193		28	15245	204.5	209	200		27	15147	212.2	219	206	
100	23	16683	200.0	214	191		25	16589	199.2	205	195		26	16515	209.0	216	202	
80	20	18032	205.1	217	195		15	17896	199.3	206	194		21	17880	208.0	218	201	
70	18	18851	208.2	222	200		13	18686	201.1	211	193		20	18702	209.2	219	202	
60	15	19758	211.3	226	204		07	19601	205.0	214	201		20	19657	211.5	220	205	
50	11	20822	212.6	223	207		07	20694	209.3	217	203		16	20797	215.6	223	211	
40													11	22258	218.8	225	211	
30													07	24039	221.3	227	214	
20																		
10																		

TANDARD RESSURE URFACE MB	PORT BLAIR SURFACE PR (1010 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	SRINAGAR (844 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	TRIVENDRUM (1002 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT
URFACE	31	00079	299.0	301	297	295.5	29	01588	276.3	281	271	273.7	31	00064	302.0	304	299	294.2
1000	31	00090	299.0	300	298	294.9	27	00192					30	00079	301.8	304	299	294.3
900	31	01007	293.1	296	290	289.3	27	01066					30	01006	294.0	298	291	288.7
850	31	01499	290.8	294	287	285.7	27	01532					30	01499	290.9	294	288	286.0
800	31	02015	288.5	292	284	281.2	27	02020	272.1	279	263	270.4	30	02016	287.8	290	283	282.2
700	31	03136	283.3	288	279	274.3	27	03072	266.1	273	259		30	03138	283.2	287	280	270.4
600	31	04404	277.3	283	273	266.7	27	04261	259.3	269	255		30	04408	276.9	282	273	265.1
500	30	05864	269.1	275	265		26	05620	249.3	261	244		29	05868	268.9	275	264	
400	30	07589	258.4	264	252		26	07217	238.5	250	233		28	07590	257.7	262	253	
300	30	09705	243.8	249	238		24	09165	225.7	232	220		28	09700	241.9	248	237	
250	29	10980	234.3	241	228		23	10360	221.9	228	213		28	10967	231.9	236	227	
200	28	12466	222.4	230	217		22	11807	221.4	227	215		28	12447	220.1	227	213	
175	26	13317	215.8	222	208		21	12669	220.1	229	213		26	13272	213.8	219	207	
150	26	14278	209.4	218	202		21	13659	218.4	226	211		26	14242	207.4	212	201	
125	24	15390	202.8	211	196		18	14832	217.7	223	212		25	15302	201.4	207	196	
100	17	16701	198.6	203	193		16	16259	216.1	223	210		23	16648	197.8	205	192	
80	10	18024	198.8	206	192		13	17682	216.1	224	209		17	17951	200.9	208	195	
70	09	18837	201.7	209	195		09	18573	217.1	224	209		14	18738	203.5	213	198	
60	08	19759	203.9	211	195		08	19530	217.9	225	211		09	19651	206.9	213	201	
50	06	20860	208.0	216	199		06	20733	220.0	227	213		06	20713	208.2	212	204	
40																		
30																		
20																		
10																		

TANDARD RESSURE URFACE MB	VISAKHAPATNAM SURFACE PR (1008 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
URFACE	31	00041	298.1	300	295	292.7												
1000	31	00107	297.3	300	294	292.3												
900	31	01020	291.4	296	288	283.6												
850	31	01510	288.8	295	285	279.8												
800	31	02025	286.3	293	283	276.0												
700	31	03140	281.5	286	277	270.1												
600	31	04400	274.8	281	269	263.2												
500	31	05856	267.0	271	260													
400	31	07568	255.7	259	251													
300	31	09664	240.0	245	235													
250	31	10922	230.7	235	225													
200	30	12395	219.7	223	213													
175	27	13235	214.2	219	207													
150	27	14201	208.2	215	202													
125	20	15297	202.8	209	195													
100	14	16649	198.8	206	193													
80	09	17985	202.3	209	198													
70	06	18826	204.7	211	198													
60																		
50																		
40																		
30																		
20																		
10																		

MONTHLY MEAN CONSTANT PRESSURE CHARTS

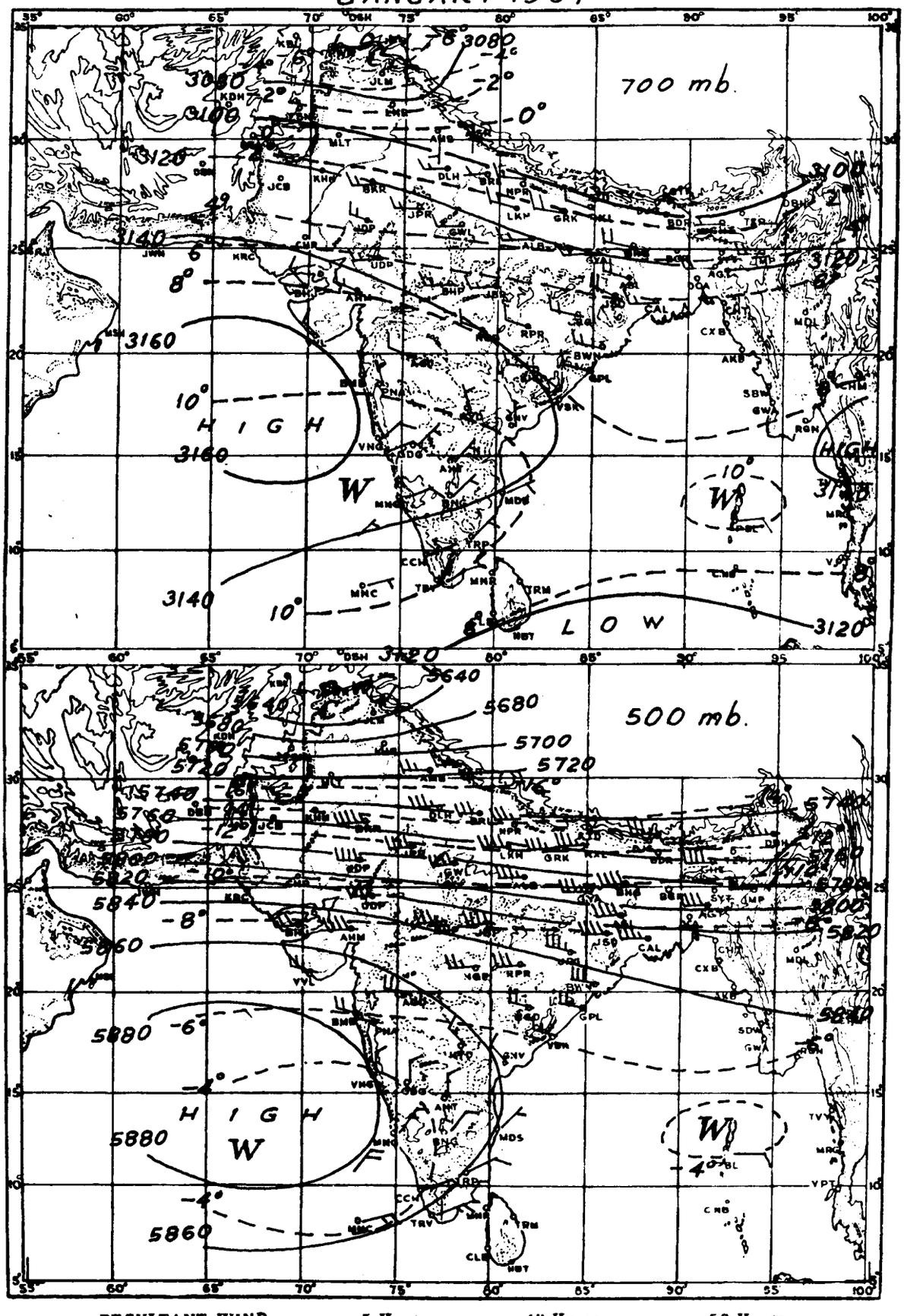
I.Met.D. **JANUARY 1967** *Plate I*



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

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

MONTHLY MEAN CONSTANT PRESSURE CHARTS



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

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

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GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

INDIA WEATHER REVIEW, 1967

MONTHLY WEATHER REPORT

FEBRUARY

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INDIA WEATHER REVIEW, 1967

Monthly Weather Report

FEBRUARY

Monthly Weather Report

For

FEBRUARY - 1967

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* * * *

MEANINGS OF SYMBOLS AND ABBREVIATIONS IN TABLES II AND III

Symbol/Abbreviation	Meaning
(a)	Mean/total for 30 days.
(b)	Mean/total for 29 days.
(c)	Mean/total for 28 days.
(d)	Mean/total for 27 days.
(e)	Mean/total for 26 days.
(f)	Mean/total for 25 days.
(g)	Mean/total for 24 days.
(h)	Mean/total for 23 days.
(i)	Mean/total for 22 days.
(j)	Mean/total for 21 days.
(k)	Mean/total for 20 days.
(l)	Mean/total for 19 days.
(m)	Mean/total for 18 days.
(n)	Mean/total for 17 days.
(o)	Mean/total for 16 days.
(p)	Mean/total for 15 days.
*	Closed during winter months.
(R)	Register not received, hence data not available.
#	Data for less than 15 days, hence no means published.
ds	Days.
@	Data rejected.
D.N.	Data not available.
E	Estimated.

INDIA WEATHER REVIEW, 1967

Monthly Weather Report

FEBRUARY

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Chief features :-

i) Movement of six western disturbances across northwest India, but with feeble activity except during the third week; and

ii) A few spells of light/moderate rains over Assam and West Bengal and over the extreme south Peninsula.

Six western disturbances moved in succession during the first three weeks of the month, but they were mostly of feeble intensity except during the third week. The first and the third western disturbances moving across the extreme north of the country during the middle of the first week and the middle of the second week respectively were feeble and caused light or moderate precipitation over Jammu and Kashmir. The second disturbance affected Jammu and Kashmir and the Punjab at the beginning of the second week. During the third week, three western disturbances moved across northwest India in quick succession leading to a spell of good precipitation over the Western Himalayas and adjoining plains. A fresh western disturbance also moved into west Rajasthan and adjoining West Pakistan on the last day of the month. The details of the movement and activity of the various western disturbances are given in the accompanying statement.

Two spells of rainfall each lasting for about a week from the middle of the first week and from the middle of the third week respectively occurred over Assam. A low pressure area persisting over West Bengal and adjoining area during the period 5th - 9th caused scattered or isolated showers in Assam. In association with an upper air cyclonic circulation over east Madhya Pradesh on 11th and 12th, there was considerable incursion of moist air into northeast India leading to the continuation of rainfall over Assam and a few showers over the other parts of northeast India. The second spell of rains in Assam occurred in association with an upper air trough persisting over Sub-Himalayan West Bengal and adjoining areas from 19th. The systems moved away eastwards by 24th.

The spell of dry weather over the Peninsula, which began during the third week of January continued throughout February except for two short spells of showers over the extreme south Peninsula during the second fortnight in association with two low pressure waves moving westwards across Comorin and adjoining areas during the periods 16th-18th and 20-22nd.

Night temperatures remained below normal over the Peninsula during practically the entire month, being markedly so over north Peninsula during the first week and over south Peninsula on a few days in the second and third weeks. They were also below normal over most parts of northeast India during the first fortnight being appreciably to markedly below normal during the last week. Night temperatures over the remaining parts of north India and over central India were also below normal during the last week. They were above normal over northwest India on a number of days during the first three weeks, being appreciably to markedly so during the third week. Over Gujarat State, central parts of the country and Uttar Pradesh, they were generally above normal during the second and third weeks.

The rainfall was in slight excess over North Assam, normal in south Assam, in slight defect over Bay Islands, Jammu and Kashmir, in moderate defect over Punjab and Himachal Pradesh and was in large defect over the rest of the country.

The mean maximum temperature was normal in Bay Islands, Assam, Rayalaseema, Madras, Coastal Mysore, Interior Mysore South, Kerala and Arabian Sea Islands, and above normal over the rest of the country.

The mean minimum temperature was above normal in Punjab, Jammu and Kashmir, Rajasthan, below normal in Marathwada, Coastal Andhra Pradesh, Telangana, Rayalaseema, Madras State including Pondicherry, Coastal Mysore, Interior Mysore South, Kerala, and Arabian Sea Islands. It was normal over the rest of the country.

The mean relative humidity in the morning was above normal in Saurashtra and Kutch including Diu, below normal in Sub-Himalayan West Bengal, Bihar, Uttar Pradesh, Punjab, Himachal Pradesh, Rajasthan, Madhya Pradesh, Gujarat, Madhya Maharashtra, Marathwada, Vidarbha, Telangana, Interior Mysore and Kerala, and normal over the rest of the country.

The mean relative humidity in the evening was below normal in Sub-Himalayan West Bengal, Bihar, Uttar Pradesh, Punjab, Rajasthan, Madhya Pradesh, Gujarat, Vidarbha, Coastal Andhra Pradesh, Telangana, Interior Mysore North, Kerala and Arabian Sea Islands and normal over the rest of the country.

The mean cloud amount in the morning was normal over Bay Islands, South Assam, Haryana, Jammu and Kashmir, Rajasthan East, Madras State including Pondicherry, Kerala, Saurashtra and Kutch including Diu, and above normal over Punjab and West Rajasthan. It was below normal over rest of the country.

The mean cloud amount in the evening was normal over Bay Islands, Uttar Pradesh, Punjab Himachal Pradesh, Jammu and Kashmir, West Rajasthan, Madras State including Pondicherry, Kerala and Arabian Sea Islands, and below normal over rest of the country.

Table I contains the divisional and sub-divisional means of rainfall, temperature, humidity and cloud amount for the 17 chief political divisions and the 33 sub-divisions. The stations whose observations are used for preparing these means are given in the subsequent tables.

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

Poona-5;

5th May, 1967.

R. ANANTHAKRISHNAN,

for Director General of Observatories.

STATEMENT SHOWING THE MOVEMENT AND ACTIVITY OF WESTERN DISTURBANCES DURING THE MONTH OF FEBRUARY 1967.

No.	Period	Course	Region affected	Nature of precipitation	Period	Remarks
1.	3rd - 4th	North Afghanistan-Jammu and Kashmir.	Jammu and Kashmir.	Isolated/Scattered rain or snow.	3rd and 4th.	Feeble.
2.	6th - 9th	Afghanistan-Western Himalayas.	Jammu and Kashmir. The Punjab	Isolated-fairly widespread rain or snow. Isolated rain.	7th,8th and 9th 9th	-
3.	11th - 13th	Northern divisions of West Pakistan-Western Himalayas.	Jammu and Kashmir.	Isolated rain or snow.	12th	Feeble.
4.	13th - 16th	Afghanistan-Jammu and Kashmir.	Jammu & Kashmir. Himachal Pradesh	Isolated - widespread rain or snow. Scattered/widespread rain or snow.	15th - 22nd 19th,20th and 21st.	Banihal 14 cm. of rain on 21 Gulmarg 11 cm. of rain on 21
5.	15th - 18th	Afghanistan-Jammu and Kashmir.	The Punjab West Uttar Pradesh.	Isolated/Scattered rain or snow. Isolated/Scattered rain or snow.	17th - 22nd. 17th and 19th - 22nd.	
5(a).	18th - 20th	Central Parts of West Pakistan-West Uttar Pradesh.	-	-	-	Induced low
6.	19th - 22nd	Baluchistan-Northern divisions of West Pakistan-Western Himalayas.	-	-	-	-

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS

FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1.ASSAM(INCLUDING.	37.9	110	26.2	12.6	75	59	2.2	2.2
NEFA,N.L.ETC)	+ 3.5		+0.8	+0.2	0	- 3	-0.8	-0.7
2.WEST BENGAL	3.7	18	29.9	14.4	61	45	0.5	0.5
	- 17.2		+1.6	-0.2	- 6	- 4	-1.3	-1.3
3.ORISSA	0.0	0	32.3	15.9	62	45	0.7	0.5
	- 26.9		+2.1	-0.9	- 4	- 2	-1.1	-1.4
4.BIHAR	0.4	2	29.5	12.2	52	36	0.4	0.4
	- 21.7		+2.5	-0.4	-12	- 8	-1.2	-1.3
5.UTTAR PRADESH	4.6	22	27.9	10.2	59	36	0.8	1.3
	- 16.2		+2.6	-0.1	-10	- 6	-0.9	-0.5
6.HARYANA(INCLU.	6.9	26	26.1	9.8	63	35	2.1	1.9
DELHI CHANDIGARH).	- 20.1		+2.1	+0.8	- 5	- 3	0.0	-0.1
7.PUNJAB	15.7	65	25.2	9.0	66	37	3.1	2.9
	- 8.6		+1.9	+1.0	-10	- 7	+0.6	+0.3
8.HIMACHAL	13.8	59	23.5	6.6	82	42	2.3	3.1
PRADESH	- 9.6		+1.7	+0.7	- 7	- 4	-1.6	0.0
9.JAMMU AND	47.4	77	17.5	6.4	75	68	4.8	5.0
KASHMIR.	- 14.5		+3.0	+0.7	- 1	- 1	0.0	-0.1
SUB-DIVISION								
1.BAY ISLANDS	46.1	86	30.4	22.6	76	76	3.7	3.7
	- 7.3		+0.5	-0.5	0	- 2	-0.1	-0.4
2.NORTH ASSAM	39.5	119	26.0	12.3	77	61	2.2	2.5
(INCLUDING NEFA)	+ 6.2		+0.9	-0.1	0	- 5	-1.2	-0.8
3.SOUTH ASSAM	34.2	93	26.9	13.1	70	54	2.1	1.7
(INCL.N.LAND ETC).	- 2.7		+0.9	+0.8	- 1	- 1	-0.2	-0.5
4.SUB-HIMALAYAN	0.1	1	27.9	12.2	64	46	0.4	0.8
WEST BENGAL	- 15.1		+1.5	0.0	- 8	- 6	-1.3	-1.2
5.GANGETIC WEST-	4.9	21	30.7	15.2	60	45	0.5	0.4
BENGAL	- 18.0		+2.0	-0.3	- 5	- 3	-1.3	-1.4
6.ORISSA	0.0	0	32.3	15.9	62	45	0.7	0.5
	- 26.9		+2.1	-0.9	- 4	- 2	-1.1	-1.4
7.BIHAR PLATEAU	1.1	3	30.7	12.7	44	30	0.3	0.3
	- 31.2		+3.4	-0.5	-16	- 9	-1.3	-1.6
8.BIHAR PLAINS	0.0	0	28.5	11.8	58	40	0.4	0.4
	- 15.6		+1.7	-0.4	-10	- 7	+1.2	-1.2
9.UTTAR PRADESH	0.0	0	28.9	10.8	60	36	0.4	0.6
(EAST)	- 14.4		+2.5	-0.3	- 9	- 7	-1.1	-0.9
10.UTTAR PRADESH	11.2	37	26.4	9.3	59	36	1.3	2.0
(WEST)	- 18.7		+2.7	+0.1	- 9	- 5	-0.6	-0.2
11.HARYANA(INCLU.	6.9	26	26.1	9.8	63	35	2.1	1.9
DELHI CHANDIGARH).	- 20.1		+2.1	+0.6	- 5	- 3	0.0	-0.1
12.PUNJAB	15.7	65	25.2	9.0	66	37	3.1	2.9
	- 8.6		+1.9	+1.0	-10	- 7	+0.6	+0.3
13.HIMACHAL	13.8	59	23.5	6.6	82	42	2.3	3.1
PRADESH	- 9.6		+1.7	+0.7	- 7	- 4	-1.6	0.0
14.JAMMU AND KASH-	47.4	77	17.5	6.4	75	68	4.8	5.0
-MIR	- 14.5		+3.0	+0.7	- 1	- 1	0.0	-0.1
15.RAJASTHAN(WEST).	0.0	0	30.1	11.3	46	25	2.3	2.0
	- 4.3		+3.3	+1.6	-10	- 7	+0.7	+0.2
16.RAJASTHAN(EAST).	0.0	0	29.7	10.9	47	23	1.3	1.5
	- 3.8		+3.1	+1.2	-11	- 8	-0.1	-0.3
17.MADHYA PRADESH	0.0	0	31.7	12.3	39	19	0.6	0.6
(WEST)	- 7.4		+2.8	+0.3	-12	- 6	-0.9	-1.3

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
10.RAJASTHAN	0.0	0	29.9	11.1	47	24	1.8	1.7
	- 4.0		+3.2	+1.4	-10	- 7	+0.3	-0.1
11.MADHYA PRADESH	0.0	0	31.9	12.7	40	20	0.4	0.6
	- 13.8		+2.9	+0.4	-16	- 8	-1.1	-1.2
12.GUJARAT STATE	0.0	0	32.2	14.8	59	33	0.7	0.3
(INCLU.DIU ETC).	- 1.9		+1.9	+0.3	+ 2	0	-0.5	-0.7
13.MAHARASHTRA	0.0	0	33.6	16.2	47	30	0.5	0.5
STATE(INCL.GOA).	- 4.6		+1.9	-0.6	- 7	- 5	-0.7	-1.0
14.ANDHRA PRADESH	0.0	0	33.4	17.6	63	36	1.0	0.7
	- 8.2		+1.3	-1.7	- 5	- 7	-1.3	-1.4
15.MADRAS STATE	1.6	12	31.1	19.6	75	53	3.5	3.4
(INCL.PONDICH.).	- 11.9		-0.1	-1.6	- 2	- 2	+0.1	+0.2
16.MYSORE	0.0	0	32.5	16.8	56	30	1.2	1.1
	- 4.6		+0.7	-1.5	- 7	- 6	-0.8	-1.2
17.KERALA	0.1	0	32.8	21.2	67	51	2.8	3.0
	- 23.6		+0.2	-1.8	- 7	- 7	-0.3	-0.5
SUB-DIVISION								
18.MADHYA PRADESH	0.0	0	32.0	13.2	42	21	0.3	0.6
(EAST)	- 22.4		+2.9	+0.4	-20	-12	-1.2	-1.1
19.GUJARAT REGION	0.0	0	33.6	14.7	47	20	0.3	0.3
(INCL.DAMAN ETC).	- 1.4		+2.0	+0.3	- 6	- 6	-0.8	-0.7
20.SAURASHTRAKUTCH.	0.0	0	31.2	14.9	68	41	1.1	0.4
(INCLUDING DIU)	- 2.2		+1.7	+0.3	+ 8	+ 3	-0.1	-0.6
21.KONKAN	0.0	0	31.6	19.4	55	60	0.7	[illegible]
(INCLUDING GOA).	- 0.6		+1.9	-0.4	- 4	- 2	-0.8	-0.[illegible]
22.MADHYA-	0.0	0	34.7	14.3	40	19	0.5	0.5
-MAHARASHTRA	- 1.6		+1.7	-0.6	- 7	- 4	-0.4	-0.4
23.MARATHWADA	0.0	0	34.1	13.8	35	19	0.6	0.6
	- 4.3		+1.7	-1.1	- 6	- 5	-0.4	-0.9
24.VIDARBHA	0.0	0	34.2	16.0	41	19	0.3	[illegible].4
	- 12.1		+2.1	-0.4	-11	- 7	-1.1	-1.2
25.COASTAL ANDHRA	0.0	0	32.6	19.1	74	51	1.5	0.9
-PRADESH	- 9.8		+1.5	-1.1	- 2	- 7	-1.0	-1.2
26.TELANGANA	0.0	0	34.5	16.6	55	21	0.6	0.3
	- 7.8		+1.6	-1.8	- 8	- 9	-1.5	-1.7
27.RAYALASEEMA	0.0	0	33.5	16.2	54	28	0.5	1.0
	- 5.5		+0.5	-2.7	- 4	- 4	-1.5	-1.3
28.MADRAS STATE	1.6	12	31.1	19.6	75	53	3.5	3.4
(INCL.PONDICH.).	- 11.9		-0.1	-1.6	- 2	- 2	+0.1	+0.2
29.COASTAL MYSORE	0.0	0	32.7	20.6	72	40	1.1	1.0
	- 0.9		+1.0	-1.1	- 4	- 4	-1.2	-1.1
30.INTERIOR MYSORE.	0.0	0	33.6	17.2	43	21	0.8	0.3
(NORTH)	- 4.5		+1.1	-0.7	- 3	- 7	-0.7	-1.3
31.INTERIOR MYSORE.	0.0	0	31.5	15.0	60	23	1.8	1.5
(SOUTH)	- 6.5		+0.3	-2.3	- 6	- 4	-0.6	-1.2
32.KERALA	0.1	0	32.8	21.2	67	51	2.8	3.0
	- 23.6		+0.2	-1.8	- 7	- 7	-0.3	-0.5
33.ARABIAN SEA-	2.7	22	30.7	22.7	78	65	2.4	3.4
ISLANDS	- 9.5		-0.2	-1.5	+ 3	- 7	-1.0	-0.6

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

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Cyclonic Storm
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
BAY ISLANDS																												
MAYA BANDAR	29.9	+1.7	32.0	25	21.9	0.0	18.5	08	0.0	0.0	- 11.6	0.0	..	0	- 1.0	12.4	7.2	+1.1	0	0	0	0	0	0	0	0	0	0
LONG ISLAND	30.0	-0.5	31.3	23	19.1	-2.6	15.5	09	0.0	0.0	- 36.7	0.0	..	0	- 1.0	6.6	3.6	+2.0	0	0	0	0	0	0	0	0	0	0
PORT BLAIR	31.2	+1.4	32.7	21	22.0	+0.2	18.2	10	3.1	13.9	- 20.6	11.4	03	2	+ 0.3	7.6	6.0	-3.5	0	2	0	0	0	3	0	0	0	0
CAR NICOBAR	30.4	+0.1	31.2	26	23.7	+0.3	16.7	09	25.6	27.1	- 30.1	7.5	20	5	+ 2.5	8.5	6.8	+0.7	0	5	0	0	1	0	0	0	0	0
NAN COWRY	32.3	+0.3	33.4	27	24.7	+0.5	22.1	11	21.0	108.3	+ 35.7	51.0	20	6	+ 2.1	1.3	0.6	0.0	0	6	0	0	2	0	0	0	0	0
KONDUL	28.4	-0.3	29.6	24	24.4	-0.9	22.1	17	76.3	127.3	+ 19.4	47.0	17	8	+ 3.3	11.5	10.5	+1.6	1	9	0	0	4	0	0	0	0	0
NORTH ASSAM (INCLUDING NEFA)																												
PASIGHAT	22.9	+0.8	29.2	18	14.3	+0.5	10.3	02	6.4	83.6	- 8.6	21.8	23	9	+ 2.9	9.2	12.5	-0.4	0	12	0	0	5	0	0	0	0	0
DIBRUGARH (MOHANBARI)	23.9	+0.2	28.6	18	12.9	+0.6	8.1	02	1.4	38.5	- 24.7	9.0	09	5	- 1.0	6.6	4.4	+1.2	1	10	0	0	8	3	0	0	0	0
DIGBOI	23.8	+0.5	28.5	19	12.8	+0.4	8.8	03	18.8	129.7	..	..	..	..	..	..	..	..	..	..	0	0	0	6	0	0	0	0
NORTH LAKHIMPUR	23.8	+0.4	28.8	18	11.7	0.0	6.2	03	14.1	64.6	+ 10.4	14.0	09	7	+ 0.8	6.2	3.9	..	0	9	0	0	2	3	0	0	1	0
SIBSAGAR	24.3	+0.4	29.2	18	..	..	..	..	19.7	152.7	+102.9	36.3	10	8	+ 2.9	4.7	3.9	-0.1	1	10	0	1	6	18	0	0	0	0
GOHPUR	24.2	+0.3	28.4	18	11.3	-0.2	5.6	02	2.2	71.0	+ 33.5	27.2	19	5	+ 2.3	5.4	3.8	..	0	9	0	0	0	0	0	0	0	0
MAJBAT	27.2	..	32.5	27	11.8	..	7.4	03	0.6	21.5	+ 2.6	11.3	19	3	+ 0.5	7.4	4.6	+0.7	0	4	0	0	0	0	0	0	0	0
JORHAT AERODROME	25.1	..	28.6	19	12.9	..	8.3	02	2.6	68.6	..	19.2	09	8	..	..	..	..	0	9	0	0	5	4	0	0	0	0
TANGLA	27.9	+2.0	32.5	28	..	..	..	..	0.0	0.0	- 21.1	0.0	..	0	- 1.9	4.7	4.0	+2.0	0	0	0	0	0	0	0	0	0	0
TEZPUR	26.9	+1.5	30.7	19	14.4	+0.7	10.0	02	0.4	14.6	- 11.3	11.1	07	1	- 1.6	6.8	5.7	+2.5	0	5	0	0	2	0	1	0	0	0
GOLAGHAT	25.7	+0.7	30.6	19	10.7	-2.5	6.4	03	0.0	70.4	+ 46.8	45.2	19	6	+ 2.9	..	..	..	0	6	0	1	0	0	0	0	0	0
RANGIA	27.1	+1.2	30.6	19	13.7	+1.1	9.8	02	0.0	0.0	- 27.0	0.0	..	0	- 2.8	7.1	4.3	..	0	0	0	0	0	0	0	0	0	0
CHAPARMUKH	27.4	+0.4	30.0	21	10.1	-2.4	6.5	02	0.0	0.0	- 11.7	0.0	..	0	- 1.2	4.5	4.1	..	0	0	0	1	2	10	0	0	0	0
GOALPARA	28.2	+0.9	31.6	26	11.6	-0.5	7.4	01	0.0	0.0	- 14.2	0.0	..	0	- 1.6	3.4	2.6	+0.1	0	0	0	0	0	0	0	0	0	0
GAUHATI (BHORJOR)	26.8	+0.1	30.5	14	12.0	+0.4	8.1	02	7.3	13.7	+ 5.7	10.1	19	2	+ 1.1	7.0	4.5	..	1	3	0	0	4	2	0	0	0	0
DHUBRI (RUPSI)	27.7	+1.4	31.9	23	11.8	+0.2	6.9	02	0.0	0.0	- 10.5	0.0	..	0	- 1.0	9.7	7.3	+3.4	0	0	0	0	0	0	0	0	0	0
DHUBRI	27.2	+1.9	31.7	23	13.1	-1.1	9.0	01	0.0	0.0	- 21.3	0.0	..	0	- 1.7	9.9	6.9	+1.8	0	0	0	0	0	0	0	0	0	0
LUMDING	27.7	+1.5	32.6	23	11.2	+0.6	6.3	01	5.0	10.4	- 23.1	6.2	13	2	- 0.8	5.6	3.4	..	0	3	0	0	0	0	0	0	0	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																												
TURA	26.6	+0.2	30.5	23	15.4	+0.5	10.7	01	0.0	0.0	- 13.7	0.0	..	0	- 1.0	6.3	6.7	-0.1	0	0	0	0	0	0	0	0	0	0
HAFLONG	28.5	+5.9	31.2	15	13.9	+1.6	10.4	02	2.5	142.9	+ 99.4	104.7	23	5	+ 1.7	0.0	0.0	..	0	6	0	0	3	0	0	0	0	0
SILCHAR (KUMBHIRGRAM)	26.7	-0.2	31.1	18	14.6	+1.1	9.4	01	2.0	46.8	- 14.4	15.7	08	4	+ 0.6	6.8	8.5	+0.2	1	7	0	3	3	0	0	0	0	0
SILCHAR	25.0	-2.1	28.2	16	13.8	+0.2	8.0	01	1.8	15.8	- 33.0	10.4	06	2	- 1.5	3.4	1.8	0.0	0	4	0	0	3	0	0	0	0	0
IMPHAL (TULIHAL)	23.3	+0.5	27.6	22	7.1	+0.6	1.9	01	2.2	27.1	- 4.0	10.5	22	4	+ 1.3	9.6	6.0	-0.7	0	6	0	0	2	1	0	0	0	0
KAILASHAHAR	28.3	+0.1	31.5	20	13.1	+1.1	7.6	02	0.0	6.6	- 24.9	6.6	07	1	- 1.3	5.7	3.1	+0.4	0	1	0	0	1	3	0	0	0	0
AGARTALA	29.6	+1.3	34.3	22	14.1	+0.9	6.3	01	0.0	0.0	- 28.6	0.0	..	0	- 1.7	8.2	5.4	+0.4	0	0	0	0	1	6	0	0	0	0
SUB-HIMALAYAN WEST BENGAL																												
BAGHDOGRA	27.7	+1.1	30.8	19	10.5	-0.4	6.2	03	0.0	0.2	- 2.1	0.2	08	0	- 0.2	11.5	8.9	+4.1	1	0	0	0	0	0	0	0	0	0
JALPAIGURI	27.2	+2.0	30.6	23	13.5	+0.8	9.9	02	0.0	0.0	- 17.0	0.0	..	0	- 1.5	7.7	5.4	+1.3	0	0	0	0	0	0	0	0	0	0
COOCH BEHAR AERODROME	27.1	+0.3	30.3	23	11.4	-0.9	6.3	02	0.0	0.0	- 19.8	0.0	..	0	- 1.6	6.3	3.4	+0.2	0	0	0	0	0	4	0	0	0	0
BALURGHAT	29.4	..	33.4	23	12.2	..	7.8	01	0.0	0.0	..	..	..	..	..	4.0	2.8	..	..	..	0	0	0	0	0	0	0	0
MALDA	29.5	+2.7	34.2	22	13.3	+0.5	8.2	02	0.3	0.3	- 21.3	0.3	13	0	- 1.7	3.5	1.9	-3.0	0	1	0	0	0	4	0	0	0	0
GANGETIC WEST BENGAL																												
BERHAMPORE	30.4	+2.0	35.9	22	13.3	-0.4	9.2	03	0.0	2.6	- 18.0	2.6	12	1	- 0.7	3.3	1.5	-0.4	0	1	0	0	1	22	0	0	0	0
SURI	30.4	+2.6	35.4	21	14.3	-0.2	8.8	01	..	1.5	- 7.3	1.5	12	0	- 1.5	..	5.0	-1.4	0	1	0	0	0	0	0	0	0	0
ASANSOL	31.6	+3.3	37.6	22	12.5	-2.2	6.2	02	0.0	10.6	- 18.4	10.2	12	1	- 1.4	9.0	4.6	-1.6	0	2	0	0	0	0	0	0	0	0
SHANTI NIKETAN	30.6	..	35.8	22	14.1	..	8.4	02	0.0	15.7	..	11.7	12	2	..	7.0	5.3	..	0	2	0	0	1	0	0	0	0	0
KRISHNANAGAR	31.6	+2.0	36.8	25	11.7	-2.0	5.5	02	0.0	10.6	- 16.8	10.6	12	1	- 0.8	0.9	0.6	-2.4	0	1	0	0	0	0	0	0	0	0
PURULIA	31.4	+2.4	37.3	22	15.1	-0.3	8.9	02	0.0	0.0	- 13.1	0.0	..	0	- 1.5	7.4	4.6	+0.8	0	0	0	0	1	0	1	0	0	0
BANKURA	32.3	..	38.3	24	11.1	..	5.1	02	0.0	0.0	- 28.7	0.0	..	0	- 2.1	2.0	1.7	..	0	0	0	0	0	0	0	0	0	0
BURDWAN	31.5	+2.9	37.4	22	15.2	+0.3	9.0	02	0.0	0.0	- 32.5	0.0	..	0	- 2.0	6.2	4.9	+1.6	0	0	0	0	0	0	0	0	0	0
CALCUTTA (DUM DUM)	30.7	+1.7	35.4	22	16.3	+1.2	9.0	02	0.0	0.0	- 16.1	0.0	..	0	- 1.5	6.7	4.4	-0.7	0	0	0	0	0	11	0	0	0	0
CALCUTTA	30.9	+1.4	35.7	23	18.1	+1.6	11.0	02	0.0	0.0	- 27.9	0.0	..	0	- 1.8	8.0	5.4	+1.7	0	0	0	0	0	8	0	0	0	0
MIDNAPORE	30.9	+1.3	37.9	22	14.1	-1.8	8.3	02	0.0	33.4	- 0.1	33.4	13	1	- 1.2	5.3	3.5	-0.3	0	1	0	0	1	0	0	0	0	0
CONTAI	30.6	+1.2	34.8	23	16.0	-1.6	10.6	02	0.0	0.0	- 11.0	0.0	..	0	- 0.7	7.6	5.7	-0.8	0	0	0	0	0	12	0	0	0	0
SAGAR ISLAND	27.3	+0.5	30.5	17	20.7	+1.9	15.1	02	0.0	0.0	- 25.7	0.0	..	0	- 1.5	14.5	13.6	+0.1	0	0	0	0	0	18	0	0	0	0
SANDHEADS	27.8	..	31.4	24	23.3	..	20.0	02	0.0	0.0	- 12.9	0.0	..	0	- 0.9	..	..	..	0	0	0	0	0	0	0	0	0	0
ORISSA																												
BARIPADA	33.0	+2.2	39.9	23	14.6	-0.7	9.0	02	0.0	0.0	- 39.9	0.0	..	0	- 2.0	4.0	2.1	-0.1	0	0	0	0	1	3	0	0	0	0
JHARSUGUDA	34.0	+3.4	37.9	22	14.0	-0.4	7.2	02	0.0	0.0	- 23.4	0.0	..	0	- 1.5	8.3	5.6	-0.8	0	0	0	0	0	0	0	0	0	0
KEONJHARGARH	30.9	+2.9	34.4	23	9.8	-4.9	2.7	02	0.0	0.0	- 50.0	0.0	..	0	- 2.0	6.9	5.5	+0.6	0	0	0	0	0	0	0	0	0	0
BALASORE	31.3	+1.8	..	..	15.0	-1.8	..	..	0.0	0.0	..	..	..	..	..	17.2	10.9	+5.4	..	..	0	0	0	5	0	0	0	0
SAMBALPUR	33.1	+2.6	36.6	04	13.0	-1.9	7.1	04	0.0	0.0	- 26.9	0.0	..	0	- 2.3	2.4	2.0	-1.7	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Tornado
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
ORISSA(CONTD.)																												
ANGUL	33.4	+2.9	38.3	23	15.2	-1.1	9.4	03	0.0	0.0	- 29.5	0.0	..	0	- 2.0	6.2	5.5	-0.5	0	0	0	0	0	1	0	0	0	0
CHANDBALI	31.3	+1.4	37.9	23	16.9	-0.6	10.9	01	0.0	0.0	- 23.4	0.0	..	0	- 1.4	7.4	5.0	-2.3	0	0	0	0	0	2	0	0	0	0
BOLANGIR	34.7	+3.4	38.5	23	21.9	+4.0	16.2	03	0.0	0.0	- 28.3	0.0	..	0	- 1.7	4.7	5.3	-0.3	0	0	0	0	0	0	0	0	0	0
PHULBANI	31.5	..	35.4	22	9.5	..	3.3	02	0.0	0.0	..	0.0	..	0	..	5.3	2.2	..	0	0	0	0	0	0	0	0	0	0
CUTTACK	34.5	+3.0	39.0	23	18.6	+0.4	12.3	01	0.0	0.0	- 27.7	0.0	..	0	- 1.7	6.0	4.0	+0.2	0	0	0	0	0	1	0	0	0	0
TITLAGARH	34.8	+2.5	39.1	23	15.5	-1.0	9.8	02	0.0	0.0	- 10.8	0.0	..	0	- 0.9	5.6	3.5	+1.2	0	0	0	0	0	0	0	0	0	0
BHUBANESWAR	33.1	+1.1	38.4	23	17.4	-1.1	13.2	03	0.0	0.0	- 24.7	0.0	..	0	- 1.3	12.2	9.7	-1.3	0	0	0	0	0	10	0	0	0	0
PURI	29.2	+0.9	35.8	24	20.1	-0.7	15.3	02	0.0	0.0	- 22.6	0.0	..	0	- 1.2	15.9	14.9	-2.0	0	0	0	0	0	0	0	0	0	0
GOPALPUR	29.6	+0.7	32.5	25	17.6	-1.8	13.8	03	0.0	0.0	- 28.2	0.0	..	0	- 1.2	12.3	9.4	-3.4	0	0	0	0	0	1	0	0	0	0
KORAPUT	29.2	+1.0	32.2	22	13.5	-0.6	7.4	03	0.0d	0.0	- 2.1	0.0	..	0	- 0.3	..	..	..	0	0	0	0	0	0	0	0	0	0
BIHAR PLATEAU																												
DUMKA	31.7	+3.7	37.0	22	12.8	-0.4	7.4	02	0.0	1.0	- 23.9	1.0	12	0	- 2.0	6.4	3.9	+0.4	0	1	0	0	0	0	0	0	0	0
DALTONGANJ	31.1	+4.1	35.8	23	10.6	-1.1	4.2	01	0.0	0.0	- 33.8	0.0	..	0	- 2.6	3.2	2.4	-1.4	0	0	0	0	0	0	0	0	0	0
HAZARIBAGH	27.8	+2.7	33.6	22	11.3	-0.7	4.0	02	0.0	0.0	- 35.3	0.0	..	0	- 2.7	15.7	10.5	+2.8	0	0	0	0	1	0	0	0	0	0
DHANBAD	31.1	+3.7	37.0	22	16.0	+1.5	10.0	02	0.0	7.0	- 15.9	7.0	12	1	- 1.1	5.9	4.3	-2.9	0	1	0	0	1	0	0	0	0	0
RANCHI	30.3	+4.4	32.8	28	11.4	-0.8	7.2	04	0.0	0.0	- 43.9	0.0	..	0	- 3.5	5.2	4.7	0.0	0	0	0	0	0	0	0	0	0	0
RANCHI AERODROME	28.5	+3.4	35.0	22	13.0	+0.7	7.5	03	0.0	2.2	- 29.8	2.2	11	0	- 2.7	14.0	10.0	+0.5	0	1	0	0	0	0	0	0	0	0
JAMSHEDPUR	32.3	+3.1	37.3	22	11.5	-2.8	5.6	02	0.0	0.0	- 35.2	0.0	..	0	- 2.5	5.9	4.1	0.0	0	0	0	0	0	5	0	0	0	0
JAMSHEDPUR P.B.O.	31.7	+2.7	37.4	22	13.4	-1.0	6.6	02	0.0	0.0	- 27.5	0.0	..	0	- 2.0	5.5	3.7	-0.5	0	0	0	0	0	0	0	0	0	0
CHAIBASA	32.2	+3.0	37.3	22	13.9	-0.5	7.3	01	0.0	0.0	- 35.1	0.0	..	0	- 2.6	2.3	2.1	-0.3	0	0	0	0	0	0	0	0	0	0
BIHAR PLAINS																												
MOTIHARI	27.7	+2.3	31.4	22	9.6	-0.6	0.0	00	0.0d	0.0	- 15.0	0.0	..	0	- 1.3	6.7*	3.6	+1.2	0	0	0	0	0	0	0	0	0	0
FORBESGANJ	25.9	-1.3	30.0	23	11.1	+0.1	6.3	01	0.0	0.0	- 4.9	0.0	..	0	- 0.7	8.5	5.0	0.0	0	0	0	0	0	0	0	0	0	0
DARBHANGA	28.1	+2.2	31.8	22	12.3	+0.7	7.0	01	0.0	0.0	- 16.0	0.0	..	0	- 1.6	2.6	1.9	-0.3	0	0	0	0	0	0	0	0	0	0
MUZAFFARPUR	28.2	..	32.4	21	10.4	..	4.9	01	0.0	0.0	- 16.8	0.0	..	0	- 1.7	..	..	..	0	0	0	0	0	0	0	0	0	0
CHAPRA	29.4	..	35.1	22	12.7	..	8.3	01	0.0	0.0	- 19.1	0.0	..	0	- 1.8	5.7	3.8	..	0	0	0	0	0	2	0	0	0	0
PURNEA	28.3	+1.7	32.1	23	9.9	-1.2	5.0	01	0.0	0.0	- 17.3	0.0	..	0	- 1.5	5.0	2.6	-1.3	0	0	0	0	0	0	0	0	0	0
PATNA	29.4	+3.1	35.1	22	12.4	-1.0	7.3	02	0.0	0.0	- 22.1	0.0	..	0	- 1.9	8.6	7.2	+0.9	0	0	0	0	0	1	0	0	0	0
PATNA AERODROME	28.8	+2.2	34.5	22	11.3	-0.6	5.6	02	0.0	0.0	- 9.2	0.0	..	0	- 0.9	11.1	5.8	+1.0	0	0	0	0	0	2	0	0	0	0
ARRAH	..	..	..	..	..	..	..	..	..	0.0	- 27.3	0.0	..	0	- 1.8	..	..	..	0	0	..	..	..	..	..	..	..	..
BHAGALPUR	29.2	+1.8	34.1	22	14.4	+0.1	9.2	02	0.0	0.0	- 3.5	0.0	..	0	- 0.5	9.6	6.9	+0.6	0	0	0	0	0	0	0	0	0	0
DARBHANGA	28.5	+2.1	32.5	23	9.8	-0.9	4.0	01	0.0	0.0	- 20.1	0.0	..	0	- 1.6	8.0	5.4	-0.1	0	0	0	0	0	0	0	0	0	0
JAMUI	28.5	+0.2	30.1	07	12.9	-0.4	12.2	08d	0.0	0.0	- 7.7	0.0	..	0	- 0.7	..	..	..	0	0	0	0	0	0	0	0	0	0
DEHRI	29.5	+1.8	34.4	22	13.8	-0.4	8.8	02	0.0	0.0	- 24.6	0.0	..	0	- 2.0	9.4	5.8	+0.2	0	0	0	0	0	0	0	0	0	0
GAYA	30.0	+3.0	35.4	22	12.6	+0.4	6.4	01	0.0	0.0	- 14.5	0.0	..	0	- 1.6	11.6	7.1	0.3	0	0	0	0	0	0	0	0	0	0
UTTAR PRADESH EAST																												
KHERI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BAHRAICH	28.8	+3.2	32.0	22	10.8	-0.1	4.7	01	0.0	0.0	- 21.6	0.0	..	0	- 2.0	9.2	6.2	+1.4	0	0	0	0	0	0	0	0	0	0
NAUTANWA	28.0	+2.4	33.2	22	8.1	-2.2	3.6	01	0.0	0.0	- 8.2	0.0	..	0	- 0.9	..	..	..	0	0	0	0	0	0	0	0	0	0
HARDOI	27.7	+1.6	31.4	22	10.7	0.0	4.8	02	0.0	0.0	- 9.7	0.0	..	0	- 1.1	9.2	7.0	+1.2	0	0	0	0	0	0	0	0	0	0
GONDA	28.5	+2.8	33.6	22	9.9	-0.6	4.3	02	0.0	0.0	- 20.1	0.0	..	0	- 1.8	8.0	6.4	+1.3	0	0	0	0	0	0	0	0	0	0
LUCKNOW	27.9	+1.5	32.0	22	11.2	-0.3	6.1	02	0.0	0.0	- 20.6	0.0	..	0	- 1.9	..	..	..	0	0	0	0	0	0	0	0	0	0
LUCKNOW(AMAUSI)	28.4	+2.4	31.9	19	9.4	-0.3	3.5	02	0.0	0.0	- 9.6	0.0	..	0	- 0.9	11.9	7.7	+0.4	0	0	0	0	0	0	0	0	0	0
FAIZABAD	28.8	+2.8	33.8	22	10.3	-0.1	4.9	01	0.0	0.0	- 7.8	0.0	..	0	- 1.4	6.3	3.5	-0.1	0	0	0	0	0	0	1	0	0	0
GORAKHPUR	28.9	+3.0	34.5	22	12.4	+0.1	7.1	01	0.0	0.0	- 18.8	0.0	..	0	- 2.0	6.7	4.0	+0.1	0	0	0	0	0	0	0	0	0	0
KANPUR	29.0	+3.0	33.5	20	11.9	+0.9	6.9	01	0.0	0.0	- 18.3	0.0	..	0	- 1.5	18.0	13.0	+4.2	0	0	0	0	0	0	0	0	0	0
KANPUR(AERODROME)	28.9	..	32.9	20	10.7	..	4.1	01	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
SULTANPUR	29.5	+3.1	34.0	22	11.2	-0.4	6.7	01	0.0	0.0	- 4.9	0.0	..	0	- 0.6	5.9	4.9	+0.2	0	0	0	0	0	0	0	0	0	0
AZAMGARH	28.7	+1.5	33.5	21	11.5	0.0	6.4	02	0.0	0.0	- 17.0	0.0	..	0	- 1.3	6.3	5.1	..	0	0	0	0	0	0	0	0	0	0
FATEHPUR	29.4*	+2.8	..	..	10.0*	-1.1	..	..	0.0	0.0	- 17.9	0.0	..	0	- 1.8	13.5	6.9	+2.8	0	0	0	0	0	0	0	0	0	0
BALLIA	28.9	+2.3	32.0	21	10.8	-0.3	5.6	02	0.0	0.0	- 4.9	0.0	..	0	- 1.0	5.3	3.6	-0.8	0	0	0	0	0	0	0	0	0	0
BANDA	31.2	+3.3	35.6	21	12.4	+0.6	7.2	01	0.0	0.0	- 13.3	0.0	..	0	- 1.0	4.2	1.9	-0.2	0	0	0	0	0	0	0	0	0	0
ALLAHABAD(BAMHRAULI)	30.1	+3.4	34.8	09	10.9	-0.7	6.7	01	0.0	0.0	- 20.6	0.0	..	0	- 2.0	8.0	4.6	-0.9	0	0	0	0	0	0	0	0	0	0
VARANASI(BABATPUR)	29.1	+1.9	34.0	22	10.7	-0.8	6.1	01	0.0	0.0	- 7.9	0.0	..	0	- 0.8	12.5	10.0	+0.7	0	0	0	0	0	0	0	0	0	0
VARANASI	29.2	+2.6	34.5	22	12.0	0.0	6.4	03	0.0	0.0	- 23.4	0.0	..	0	- 2.0	6.3	5.5	-2.3	0	0	0	0	0	0	0	0	0	0
UTTAR PRADESH WEST																												
MUKHIM	16.2	+2.9	19.3	08	6.1	+1.8	3.0	09	11.7	53.7	+ 1.3	22.8	19	4	+ 0.3	..	..	..	0	6	0	0	4	0	0	0	0	0
TEHRI	24.8	+2.4	29.0	16	7.6	+1.0	3.0	01	14.5	45.3	- 1.4	19.7	20	4	+ 1.0	3.5	2.3	..	0	5	0	0	0	0	0	0	0	0
DEHRA DUN	24.3	+2.9	27.4	07	9.0	+0.8	7.9	20	4.6	34.7	- 32.1	23.2	21	3	- 0.8	4.0	3.2	+0.1	0	4	0	1	2	0	0	0	0	0
MANSIARI	12.8d	..	..	..	3.9	..	..	..	89.7	89.7	..	37.6	20	4	..	..	..	..	1	5	..	..	..	..	..	..	..	..

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER -- FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 & 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST (CONTD.)																												
ROORKEE	26.1	+3.2	30.0	18	7.4	-1.3	1.7	01	0.8	0.8	- 44.7	0.8	20	0	- 2.9	8.7	5.6	+0.8	0	1	0	0	0	0	0	0	0	0
NAJIBABAD	25.7	+2.0	28.5	18	7.7	-0.7	1.6	01	0.0	0.0	- 26.2	0.0	..	0	- 0.2	9.1	6.4	+2.7	0	0	0	0	1	0	0	0	0	0
MEERUT	27.3	+2.8	30.0	08	8.9	-0.9	3.4	02	0.0	0.0	- 29.7	0.0	..	0	- 2.5	.	8.2	+1.0	0	0	0	0	0	0	0	0	0	0
BAREILLY	27.2	+2.3	31.5	22	11.4	+0.6	6.0	01	0.0	0.0	- 27.7	0.0	..	0	- 2.0	12.5	8.5	+3.7	0	0	0	0	0	3	0	0	0	0
ALIGARH	27.3	+2.4	30.6	22	9.4	-0.5	5.1	01	0.0	0.0	- 18.8	0.0	..	0	- 1.6	11.5	7.9	+1.6	0	0	0	0	0	0	0	0	0	0
MAINPURI	28.9	+2.9	32.8	20	9.3	-0.8	5.2	03	0.0	0.0	- 12.9	0.0	..	0	- 1.2	..	..	..	0	0	0	0	0	0	0	0	0	0
AGRA	28.6	+2.9	31.7	22	10.8	+0.5	4.8	01	0.0	0.0	- 13.5	0.0	..	0	- 1.2	5.3	3.3	-0.9	0	0	0	0	0	0	0	0	0	0
AGRA AERODROME	29.2	..	33.5	28	10.2	..	4.2	01	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
ORAI	29.2	+2.1	34.8	21	11.5	+0.5	5.4	01	0.0	0.0	- 6.0	0.0	..	0	- 0.6	..	..	..	0	0	0	0	0	0	0	0	0	0
JHANSI	31.0	+3.5	36.0	23	12.1	+0.4	5.9	01	0.0	0.0	- 12.2	0.0	..	0	- 1.1	3.4	3.6	-0.8	0	0	0	0	0	0	0	0	0	0
HARYANA (INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	25.5	+2.1	27.8	28	9.3	+0.4	6.0	03	0.0	23.2	- 2.3	16.0	21	2	+ 0.4	..	..	..	1	3	0	0	2	3	0	0	0	0
AMBALA	25.4	+1.6	28.4	05	9.9	+1.4	4.2	01	0.0	8.3	- 41.2	4.2	20	2	- 1.1	10.1	7.5	+0.8	0	3	0	0	0	0	0	0	0	0
AMBALA AERODROME	26.0	..	28.5	28	9.1	..	2.8	02	0.4	6.7	..	4.0	20	1	..	..	..	..	0	3	0	0	2	2	0	0	0	0
KARNAL	25.6	+1.6	28.2	28	9.5	+0.3	5.4	02	0.0	0.2	- 22.5	0.2	19	0	- 1.5	7.0	5.1	..	1	0	0	0	0	0	4	0	0	0
HISSAR	27.3	+2.3	31.1	08	9.5	+1.4	5.3	01	0.8	0.8	- 12.9	0.8	19	0	- 1.3	4.0	3.1	-3.3	0	1	0	0	0	0	0	0	0	0
NEW DELHI/SAFDARJUNG	26.9	+3.3	30.3	08	10.7	+0.6	5.7	01	1.1	2.1	- 21.5	1.1	20	0	- 1.7	19.3	13.3	+3.2	0	2	0	0	0	0	0	0	0	0
PALAM AERODROME	27.1	..	33.4	05	8.5	..	2.5	01	1.0	1.2	..	1.0	20	0	..	..	..	..	1	1	0	0	1	0	0	0	0	0
PUNJAB																												
PATHANKOT	24.4	+2.2	29.4	08	8.5	+0.1	2.2	01	0.0	33.4	- 8.5	28.6	21	2	- 0.3	..	..	..	0	3	0	0	2	0	0	0	0	0
AMRITSAR	24.5	+1.9	29.0	08	8.0	+1.5	2.0	01	1.6	28.6	+ 12.7	22.0	21	2	+ 0.4	11.3	8.5	+0.9	0	4	0	0	1	0	0	0	0	0
ADAMPUR AERODROME	25.3	..	29.4	28	6.6	..	- 1.1	01	0.0	24.2	..	9.6	21	3	..	..	..	..	0	3	0	0	2	0	0	0	0	0
LUDHIANA	25.7	+2.4	31.0	28	9.5	+1.1	4.4	01	2.0	17.7	- 18.9	9.0	21	2	- 0.7	7.1	4.2	+1.0	0	3	0	0	2	0	0	0	0	0
FEROZEPUR	24.5	+1.1	26.4	08	..	..	..	..	0.0	12.2	- 0.4	9.8	20	1	0.0	4.6	3.9	+1.3	0	1	0	0	0	0	0	0	0	0
HALWARA AERODROME	24.9	..	28.2	28	7.1	..	0.6	01	1.8	16.1	..	7.9	21	2	..	..	..	..	0	3	0	1	2	0	0	0	0	0
PATIALA	25.7	+1.5	28.6	28	10.7	+1.4	6.2	02	0.0	2.5	- 28.7	1.4	19	0	- 2.1	12.2	9.7	+0.4	0	2	0	0	2	0	0	0	0	0
BHATINDA	26.2	+2.2	31.2	28	8.5	+1.3	2.8	01	0.0	0.0	- 7.3	0.0	..	0	- 0.7	3.5	4.0	-0.3	0	0	0	0	0	0	0	0	0	0
HIMACHAL PRADESH																												
MANDI	..	..	..	..	..	..	..	..	0.0	4.5	- 25.6	4.5	21	1	- 1.5	..	..	..	0	1	0	0	0	0	0	0	0	0
BILASPUR	23.5	+1.7	27.8	28	6.6	+0.7	1.8	02	0.0	23.1	+ 6.5	12.0	20	3	+ 1.0	..	..	..	0	3	0	0	0	0	0	0	0	0
JAMMU AND KASHMIR																												
MISGAR (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
GILGIT (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
SKARDU (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
DRAS	..	..	..	..	..	..	..	..	..	90.4	- 11.5	21.2	08	8	+ 0.4	..	..	..	1	14	..	..	..	..	..	.	..	.
SONAMARG	Functions only from May to October								..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
LEH	..	..	..	..	..	..	..	..	6.2	11.0	+ 3.4	6.2	22	1	+ 0.1	6.6	5.6	+1.8	4	1	8	0	0	0	0	0	0	0
SRINAGAR	9.4	+1.5	13.5	07	1.4	+0.6	- 3.6	01	31.5	55.1	- 18.6	12.3	09	6	- 0.2	6.7	5.7	+1.4	1	10	2	0	0	0	0	0	0	0
SRINAGAR AERODROME	8.7	..	12.8	28	0.7	..	- 4.4	01	31.4	55.5	..	14.4	09	7	..	..	..	..	0	10	4	0	0	0	0	0	0	0
GULMARG	Functions only from June to September								..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
QAZIGUND	9.5	..	14.8	08	0.7	..	- 4.8	20	29.7	99.1	..	17.4	17	10	..	5.3	4.1	..	1	12	2	0	2	0	0	0	0	0
BANIHAL	12.5	..	17.8	07	2.9	..	- 2.1	22	67.0	235.6	..	73.8	20	9	..	..	..	..	1	9	0	0	12	0	0	0	0	0
JAMMU	25.6	+4.5	28.4	10	11.3	+0.7	7.0	01	27.7	33.1	- 31.2	20.2	22	3	- 0.7	6.5	7.2	..	0	6	0	0	0	0	0	0	0	0
JAMMU AERODROME	22.4	..	27.7	28	9.8	..	5.4	02	10.2	33.4	..	24.6	21	2	..	..	..	..	0	6	0	0	30	0	0	0	0	0
GULMARG (RESEARCH INSTITUTE)	2.1	..	5.6	03	- 6.5	..	-13.6	22	378.2	835.4	..	293.4	20	15	..	..	..	..	0	15	11	0	1	0	0	0	0	0
RAJASTHAN, WEST																												
GANGANAGAR	27.2	+3.1	32.4	28	9.3	+1.8	3.9	01	0.0	0.0	- 5.1	0.0	..	0	- 0.5	5.6	3.3	-1.7	0	0	0	0	0	0	0	0	0	0
ANUPGARH (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
MAHAJAN	29.2	..	33.7	28	8.9	..	..	..	..	..	..	..	..	..	..	8.6	6.5	..	.	..	0	0	0	0	1	0	0	0
CHURU	28.4	+3.2	33.0	28	9.3	+2.0	2.4	01	0.0	0.0	- 2.9	0.0	..	0	- 0.8	9.8	6.5	+0.6	0	0	0	0	0	0	0	0	0	0
BIKANER	29.3	+3.2	34.2	28	10.6	+2.4	5.0	01	0.0	0.0	- 7.1	0.0	..	0	- 0.6	8.6	5.8	+0.7	0	0	0	0	0	0	0	0	0	0
NAGAUR	30.2	+3.5	33.8	28	11.0	+0.7	5.4	01	0.0	0.0	- 3.6	0.0	..	0	- 0.4	8.6	5.6	-0.2	0	0	0	0	0	0	0	0	0	0
PHALODI	30.1	+3.8	34.9	27	13.0	+3.1	8.4	18	0.0	0.0	- 5.6	0.0	..	0	- 0.6	..	..	..	0	0	0	0	0	0	0	0	0	0
JAISALMER	30.2	+2.0	34.5	28	11.8	+1.2	5.0	12	0.0	0.0	- 1.5	0.0	..	0	- 0.2	12.0	8.2	0.0	0	0	0	0	0	0	0	0	0	0
JODHPUR	31.3	+3.4	35.1	27	11.6	-0.4	7.6	12	0.0	0.0	- 6.1	0.0	..	0	- 0.6	8.4	6.7	-2.1	0	0	0	0	0	0	0	0	0	0
BARMER	33.0	+4.4	36.5	28	..	..	..	..	0.0	0.0	- 5.6	0.0	..	0	- 0.6	4.4	3.4	-4.1	0	0	0	0	0	0	0	0	0	0
BERINPURA (JAWAI DAM)	31.4	+3.0	34.6	28	13.5	+1.6	7.6	01	0.0	0.0	- 1.1	0.0	..	0	- 0.3	6.4	5.0	+0.2	0	0	0	0	0	0	0	0	0	0
RAJASTHAN, EAST																												
PILANI	28.4	+2.4	33.0	28	9.3	+1.3	4.5	01	0.0	0.0	- 3.0	0.0	..	0	- 0.4	12.0	9.1	+0.5	0	0	0	0	0	0	0	0	0	0
SIKAR	28.5	+2.3	33.1	28	8.9	+0.7	0.6	01	0.0	0.0	- 3.0	0.0	..	0	- 0.6	3.0	2.2	-4.0	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
RAJASTHAN, EAST (CONTD.)																												
ALWAR	28.7	+2.9	32.1	21	11.2	+1.6	8.2	01	0.0	0.0	- 0.5	0.0	..	0	- 0.5	6.1	3.7	+0.1	0	0	0	0	0	0	0	0	0	0
JAIPUR (SANGANER)	29.0	+3.6	32.9	28	11.3	+0.6	6.5	01	0.0	0.0	- 9.9	0.0	..	0	- 1.0	..	..	..	0	0	0	0	0	0	0	0	0	0
DHOLPUR	29.3	+3.0	32.8	28	10.1	+0.2	5.2	02	0.0	0.0	- 3.7	0.0	..	0	- 0.7	7.0	4.9	+1.1	0	0	0	0	0	0	0	0	0	0
AJMER	29.0	+3.7	34.8	28	11.6	+1.7	5.5	01	0.0	0.0	- 6.9	0.0	..	0	- 0.8	8.2	5.5	+1.1	0	0	0	0	0	0	0	0	0	0
TONK	30.2	+3.3	34.0	28	10.4	+1.0	3.8	01	0.0	0.0	- 0.5	0.0	..	0	0.0	5.6	4.1	-0.4	0	0	0	0	0	0	0	0	0	0
BHILWARA	30.3	..	34.2	21	11.7	..	6.5	01	0.0	0.0	..	0.0	..	0	..	4.0	4.0	..	0	0	0	0	0	0	0	0	0	0
KOTA	31.6	+3.1	35.6	21	12.2	-0.9	8.2	01	0.0	0.0	- 5.1	0.0	..	0	- 0.5	5.1	3.4	+1.1	0	0	0	0	0	0	0	0	0	0
KOTA AERODROME	30.7	..	35.8	21	14.6	..	9.2	01	0.0	0.0	..	0.0	..	0	..	9.2	7.4	..	0	0	0	0	0	0	0	0	0	0
CHAMBAL (RAWAT BHATTA DAM)	31.3	+2.9	36.1	21	12.9	+4.2	7.3	01	0.0	0.0	- 0.9	0.0	..	0	- 0.2	7.0	4.6	+0.3	0	0	0	0	0	0	0	0	0	0
UDAIPUR	30.6	+3.0	32.3	04	11.4	+1.7	6.1	01	0.0	0.0	- 4.3	0.0	..	0	- 0.5	3.9	1.7	-0.9	0	0	0	0	0	0	0	0	0	0
JHALAWAR(*)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BANSWARA	34.6	..	39.6	04	15.6	..	9.7	01	0.0	0.0	..	0.0	..	0	..	11.0	10.6	..	0	0	0	0	0	0	0	0	0	0
MADHYA PRADESH, WEST																												
GWALIOR	29.7	+3.1	34.2	20	11.0	+1.0	3.2	01	0.0	0.0	- 7.8	0.0	..	0	- 0.8	13.1	6.3	+1.9	0	0	0	0	0	0	0	0	0	0
SHEOPUR	30.8	+2.4	34.3	28	11.6	+1.7	6.4	01	0.0	0.0	- 5.5	0.0	..	0	- 0.6	8.7	6.4	+1.3	0	0	0	0	0	0	0	0	0	0
SHIVPURI	29.4	..	33.2	21	7.8	..	1.0	01	0.0	0.0	..	0.0	..	0	..	9.7	5.0	..	0	0	0	0	0	0	0	0	0	0
NOWGONG	30.5	+3.0	36.2	21	9.5	-0.4	3.4	01	0.0	0.0	- 15.7	0.0	..	0	- 1.4	7.0	3.4	-0.6	0	0	0	0	0	0	0	0	0	0
GUNA	30.9	+3.1	35.8	21	11.0	+0.8	4.7	01	0.0	0.0	- 11.2	0.0	..	0	- 1.0	11.5	6.9	+1.8	0	0	0	0	0	0	0	0	0	0
NIMACH	30.6	+3.0	34.1	17	13.4	+1.5	8.2	01	0.0	0.0	- 4.3	0.0	..	0	- 0.4	8.8	6.5	-0.5	0	0	0	0	0	0	0	0	0	0
RAJGARH	32.2	+2.7	36.9	21	11.9	+1.7	5.7	01	0.0	0.0	- 0.4	0.0	..	0	0.0	9.0	6.3	-0.5	0	0	0	0	0	0	0	0	0	0
SAGAR	32.4	+5.0	34.9	23	13.6	-0.3	8.3	02	0.0	0.0	- 12.7	0.0	..	0	- 1.3	7.7	7.1	0.0	0	0	0	0	0	0	0	0	0	0
RATLAM	32.6	+2.8	35.6	19	12.4	-0.9	8.6	12	0.0	0.0	- 1.7	0.0	..	0	- 0.3	9.0	7.3	-0.6	0	0	0	0	0	0	0	0	0	0
BHOPAL (BAIRAGARH)	31.6	+3.1	34.8	22	15.3	+0.8	9.1	02	0.0	0.0	- 5.3	0.0	..	0	- 0.6	11.9	8.9	+2.5	0	0	0	0	0	0	0	0	0	0
UJJAIN	31.7	..	34.8	21	9.3	..	4.2	01	0.0	0.0	..	0.0	..	0	..	8.4	4.6	..	0	0	0	0	0	0	0	0	0	0
NARSINGHPUR	33.2	..	36.6	21	10.1	..	2.8	02	0.0	0.0	..	0.0	..	0	..	5.8	2.6	..	0	0	0	0	0	0	0	0	0	0
HOSHANGABAD	32.9	+3.1	36.3	22	13.1	-1.2	7.6	02	0.0	0.0	- 11.9	0.0	..	0	- 1.1	..	..	..	0	0	0	0	0	0	0	0	0	0
INDORE	31.7	+2.8	35.0	21	12.9	+1.9	8.5	01	0.0	0.0	- 3.1	0.0	..	0	- 0.4	12.3	9.4	-1.4	0	0	0	0	0	0	0	0	0	0
RAJPUR (JHABUA)	33.1	+2.3	36.0	18	..	..	..	..	0.0	0.0	0.0	0.0	..	0	- 0.1	7.9	4.6	+0.1	0	0	0	0	0	0	0	0	0	0
CHHINDWARA	31.7	+2.7	34.4	22	11.9	-0.9	6.0	01	0.0	0.0	- 5.9	0.0	..	0	- 0.4	8.4	4.1	-1.0	0	0	0	0	0	0	0	0	0	0
SEONI	32.0	+3.4	35.6	21	13.9	+0.6	7.9	02	0.0	0.0	- 24.9	0.0	..	0	- 2.5	8.4	4.9	-1.1	0	0	0	0	0	0	0	0	0	0
BETUL	31.7	+1.9	35.0	21	11.3	-1.2	5.6	02	0.0	0.0	- 2.2	0.0	..	0	- 0.3	6.1	3.2	-1.8	0	0	0	0	0	0	0	0	0	0
KHANDWA	33.5	+1.6	35.8	22	13.3	-0.3	6.6	01	0.0	0.0	- 5.6	0.0	..	0	- 0.6	8.0	5.0	-1.4	0	0	0	0	0	0	0	0	0	0
MADHYA PRADESH, EAST																												
SATNA	30.6	+3.3	35.8	21	11.8	+0.7	6.0	01	0.0	0.0	- 23.9	0.0	..	0	- 2.0	7.7	5.2	+0.7	0	0	0	0	0	0	0	0	0	0
REWA	30.3	..	35.8	21	10.2	..	3.7	01	0.0	0.0	..	0.0	..	0	..	6.9	3.5	..	0	0	0	0	0	0	0	0	0	0
SIDHI	31.1	+3.5	35.9	21	10.3	0.0	4.0	01	0.0	0.0	- 13.0	0.0	..	0	- 1.2	6.6	3.9	+0.1	0	0	0	0	0	0	0	0	0	0
UMARIA	31.5	+3.8	35.4	21	11.5	+0.7	5.3	01	0.0	0.0	- 33.2	0.0	..	0	- 2.7	7.8	4.6	+1.0	0	0	0	0	0	0	0	0	0	0
JABALPUR	32.1	+3.2	35.6	22	11.8	+0.4	5.1	01	0.0	0.0	- 24.4	0.0	..	0	- 2.1	6.0	3.1	-0.9	0	0	0	0	0	0	0	0	0	0
AMBIKAPUR	29.9	+2.8	34.8	22	11.7	+1.3	5.9	02	0.0	0.0	- 22.2	0.0	..	0	- 1.9	12.8	8.4	+1.5	0	0	0	0	0	0	0	0	0	0
JASHPURNAGAR	29.0	..	33.2	22	10.8	..	4.1	02	0.0	0.0	..	0.0	..	0	..	10.4	6.3	..	0	0	0	0	0	0	0	0	0	0
PENDRA	30.1	+3.6	34.9	22	15.6	+3.1	9.3	03	0.0	0.0	- 36.1	0.0	..	0	- 2.9	10.3	6.6	+0.4	0	0	0	0	0	0	0	0	0	0
MANDLA	31.0	+2.	36.0	22	9.3	-0.8	3.2	02	0.0	0.0	- 15.3	0.0	..	0	- 1.7	6.6	3.1	+0.7	0	0	0	0	0	0	0	0	0	0
CHANPA	32.5	+2.4	37.5	22	15.3	-0.9	9.2	02	0.0	0.0	- 13.3	0.0	..	0	- 1.2	7.2	5.1	-0.2	0	0	0	0	0	0	0	0	0	0
RAIGARH	34.3	+2.4	38.2	22	15.1	-0.8	8.2	02	0.0	0.0	- 15.5	0.0	..	0	- 1.3	6.3	3.8	-0.6	0	0	0	0	0	0	0	0	0	0
RAIPUR	33.5	+3.2	37.2	22	17.0	+0.8	11.3	02	0.0	0.0	- 26.9	0.0	..	0	- 2.1	7.1	5.7	-0.3	0	0	0	0	0	0	0	0	0	0
KANKER	32.5	+2.3	35.5	22	14.5	-0.1	8.7	02	0.0	0.0	- 22.3	0.0	..	0	- 2.0	4.2	4.0	+0.3	0	0	0	0	0	0	0	0	0	0
JAGDALPUR	33.0	+2.0	35.6	24	14.1	-0.2	9.0	03	0.0	0.0	- 22.6	0.0	..	0	- 1.4	..	..	..	0	0	0	0	0	0	0	0	0	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DEESA	32.5	+0.4	35.2	16	12.1	-0.1	8.9	12	0.0	0.0	- 4.3	0.0	..	0	- 0.3	8.3	6.2	..	0	0	0	0	0	0	0	0	0	0
RADHANPUR	32.6	+1.7	34.9	27	..	..	..	..	0.0	0.0	- 0.1	0.0	..	0	0.0	7.3	4.5	-1.4	0	0	0	0	0	0	0	0	0	0
IDAR	31.2	+0.7	34.3	16	17.1	+0.8	12.3	11	0.0	0.0	0.0	0.0	..	0	0.0	8.0	5.9	-1.6	0	0	0	0	0	0	0	0	0	0
AHMADABAD	33.8	+2.8	36.2	05	14.5	0.0	10.0	12	0.0	0.0	- 1.5	0.0	..	0	- 0.1	7.7	3.9	-1.2	0	0	0	0	0	0	0	0	0	0
DOHAD	33.2	+2.9	36.7	17	15.5	+1.0	9.5	12	0.0	0.0	- 1.7	0.0	..	0	- 0.2	9.8	8.1	-1.9	0	0	0	0	0	0	0	0	0	0
VALLABH VIDYANAGAR	34.1	..	37.0	17	12.6	..	7.8	01	0.0	0.0	..	0.0	..	0	..	6.9	4.6	..	0	0	0	0	0	3	0	0	0	0
BARODA AERODROME	34.6	+1.9	37.6	17	13.8	-0.4	9.5	11	0.0	0.0	- 0.3	0.0	..	0	- 0.1	5.1	3.1	-3.4	0	0	0	0	0	0	0	0	0	0
BARODA	35.9	+3.5	40.3	06	14.7	+2.0	10.7	01	0.0	0.0	- 1.4	0.0	..	0	- 0.3	2.9	1.8	-1.7	0	0	0	0	0	1	0	0	0	0
BROACH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7.5	5.7	-0.2	0	0	0	0	0	0	0	0	0	0
SURAT	35.3	+2.2	37.4	06	15.3	-1.1	11.3	01	0.0	0.0	- 1.8	0.0	..	0	- 0.2	8.5	6.6	+0.5	0	0	0	0	0	0	0	0	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																												
NALIYA	30.2	+0.5	34.0	16	11.5	+0.3	8.5	11	0.0	0.0	- 4.6	0.0	..	0	- 0.2	11.7	7.9	-0.3	0	0	0	0	0	14	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Haze or dust	Mist	Thunder heard	Fog	Dust-storm	Gale	Squall	Lightning
1		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
SURASHTRA AND KUTCH(INCLUDING DIU) (CONTD.)																												
BHUJ(RUDRAMATA)	32.2	+3.1	35.7	28	14.4	+1.5	10.4	01	0.0	0.0	- 5.6	0.0	..	0	- 0.4	10.4	8.3	+0.2	0	0	0	0	0	0	0	0	0	0
KANDLA AERODROME	32.8	..	35.5	21	14.5	..	11.8	06	0.0	0.0	..	0.0	..	0	..	12.7	15.1	..	0	0	0	0	0	0	0	0	0	0
NEW KANDLA	30.1	+1.8	33.1	26	16.9	0.0	13.9	01	0.0	0.0	- 6.0	0.0	..	0	- 0.4	9.9	10.3	-2.3	0	0	0	0	0	0	0	0	0	0
MANDVI	26.9	+0.6	31.6	25	14.8	0.0	12.0	15	0.0	0.0	0.0	0.0	..	0	0.0	16.1	14.8	-1.6	0	0	0	0	0	6	0	0	0	0
SURENDRANAGAR	33.7	+2.3	36.9	16	16.5	+1.7	12.8	01	0.0	0.0	0.0	0.0	..	0	0.0	9.1	8.2	-2.1	0	0	0	0	0	0	0	0	0	0
OKHA	25.2	..	27.0	21	19.2	..	17.1	11	0.0	0.0	..	0.0	..	0	..	15.4	16.7	..	0	0	0	0	0	4	0	0	0	0
JAMNAGAR AERODROME	30.7	+1.9	34.0	26	12.9	-0.1	8.3	01	0.0	0.0	- 1.8	0.0	..	0	- 0.2	..	..	..	0	0	0	0	0	6	0	0	0	0
DWARKA	26.6	+0.2	30.5	26	18.2	+0.5	14.4	06	0.0	0.0	- 5.1	0.0	..	0	- 0.4	13.2	11.5	-3.3	0	0	0	0	0	0	0	0	0	0
RAJKOT	33.0	+2.3	35.8	04	13.7	+0.6	10.4	01	0.0	0.0	0.0	0.0	..	0	0.0	16.4	13.3	-0.3	0	0	0	0	0	5	0	0	0	0
BHAVNAGAR AERODROME	32.5	+2.2	35.3	17	14.7	-0.2	9.4	01	0.0	0.0	- 0.2	0.0	..	0	0.0	17.0	13.7	+5.1	0	0	0	0	0	0	0	0	0	0
PORBANDER AERODROME	31.9	+1.8	35.6	25	15.0	-1.8	11.2	07	0.0	0.0	- 0.8	0.0	..	0	- 0.1	14.4	11.5	..	0	0	0	0	0	4	0	0	0	0
KESHOD	34.6	+1.4	37.3	04	13.9	+0.2	10.0	12	0.0	0.0	- 2.3	0.0	..	0	- 0.2	16.2	13.5	-0.1	0	0	0	0	0	0	0	0	0	0
MAHUVA	33.9	..	36.7	27	16.1	..	11.5	14	0.0	0.0	0.0	0.0	..	0	- 0.1	9.5	7.1	..	0	0	0	0	0	0	0	0	0	0
VERAVAL	31.6	+2.4	36.3	25	15.8	+0.4	11.6	12	0.0	0.0	- 1.8	0.0	..	0	- 0.2	18.5	15.0	+1.8	0	0	0	0	0	0	0	0	0	0
DIU	29.5	..	33.2	25	16.7	..	11.6	02	0.0	0.0	..	0.0	..	0	..	11.9	9.3	..	0	0	0	0	0	0	0	0	0	0
KONKAN(INCLUDING GOA)																												
DAHANU	33.6	+5.4	34.8	20	13.4	-4.1	11.7	20	..	..	..	..	..	..	..	9.5	7.6	-4.9	..	..	0	0	0	0	0	0	0	0
BOMBAY(SANTACRUZ)	33.3	+1.7	36.2	04	17.8	+0.9	15.8	01	0.0	0.0	- 0.8	0.0	..	0	- 0.1	10.6	7.2	-2.0	0	0	0	0	0	0	0	0	0	0
BOMBAY	30.7	+1.2	34.7	04	20.4	+0.1	18.0	12	0.0	0.0	- 2.0	0.0	..	0	- 0.1	11.6	9.7	+0.4	0	0	0	0	0	0	0	0	0	0
ALIBAG	29.9	+1.3	34.9	28	18.6	+0.2	15.9	12	0.0	0.0	- 0.3	0.0	..	0	- 0.1	.	8.3	+0.7	0	0	0	0	0	0	0	0	0	0
BHIRA	38.6	..	41.5	25	19.4	..	10.4	12	0.0	0.0	..	0.0	..	0	..	4.8	2.6	..	0	0	0	0	0	0	0	0	0	0
MARNAI	29.8	+1.7	32.4	06	23.6	+1.0	20.1	12	0.0	0.0	- 0.1	0.0	..	0	0.0	12.9	12.5	-1.3	0	0	0	0	0	0	0	0	0	0
RATNAGIRI	32.4	+1.7	37.2	28	19.3	-0.5	17.3	04	0.0	0.0	- 1.0	0.0	..	0	- 0.1	11.2	8.2	..	0	0	0	0	0	0	0	0	0	0
DEVGARH	31.3	+1.3	33.2	07	21.1	-0.6	19.0	11	0.0	0.0	- 0.1	0.0	..	0	0.0	14.8	12.2	-1.6	0	0	0	0	0	0	0	0	0	0
VENGURLA	32.4	+0.7	36.1	16	17.9	-1.2	15.5	07	0.0	0.0	- 0.3	0.0	..	0	- 0.1	10.6	5.2	..	0	0	0	0	0	2	0	0	0	0
PANJIM	32.6	..	35.7	19	20.3	..	18.1	06	0.0	0.0	..	0.0	..	0	..	11.8	9.2	..	0	0	0	0	0	2	0	0	0	0
MORMUGAO	30.6	+1.6	34.2	16	22.1	+0.2	20.5	06	0.0	0.0	0.0	0.0	..	0	0.0	13.4	11.1	-0.5	0	0	0	0	0	4	0	0	0	0
DABOLIM(NAVAL AIR STN.)	31.2	..	34.3	16	21.3	..	19.1	06	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
MADHYA MAHARASHTRA																												
NANDURBAR	35.6	+2.2	37.8	20	18.4	+0.5	13.1	12	0.0	0.0	0.0	0.0	..	0	0.0	8.1	5.6	-0.4	0	0	0	0	0	0	0	0	0	0
JALGAON	35.5	+2.3	37.9	20	12.6	-1.7	7.3	01	0.0	0.0	- 2.7	0.0	..	0	- 0.4	8.5	7.5	-0.9	0	0	0	0	0	0	0	0	0	0
MALEGAON	34.1	+1.5	36.8	22	13.4	+0.6	7.2	02	0.0	0.0	- 3.1	0.0	..	0	- 0.3	6.9	5.6	-0.5	0	0	0	0	0	0	0	0	0	0
OZAR	..	..	..	..	11.3	..	5.0	12	0.0	0.0	..	0.0	..	0	..	9.0	8.0	..	0	0	0	0	0	0	0	0	0	0
AHMADNAGAR	35.4	+3.4	37.9	21	14.3	+0.2	9.8	04	0.0	0.0	- 1.5	0.0	..	0	- 0.2	8.8	5.7	-0.5	0	0	0	0	0	0	0	0	0	0
KHANDALA	..	..	..	..	..	..	..	..	0.0	0.0	- 1.9	0.0	..	0	- 0.1	..	..	..	0	0	..	..	..	..	..	..	..	..
POONA AERODROME	34.8	..	40.0	23	14.4	..	10.5	01	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
POONA	34.2	+2.1	37.0	26	11.3	-0.3	7.7	02	0.0	0.0	- 1.3	0.0	..	0	- 0.1	6.7	3.7	..	0	0	0	0	0	0	0	0	0	0
JEUR	34.1	+0.5	36.7	26	13.2	-1.5	8.6	01	0.0	0.0	- 2.1	0.0	..	0	- 0.2	8.7	5.8	-0.5	0	0	0	0	0	0	0	0	0	0
BARAMATI	34.8	+1.5	37.5	26	14.2	-0.3	9.8	03	0.0	0.0	0.0	0.0	..	0	0.0	7.5	6.7	-0.9	0	0	0	0	0	0	0	0	0	0
SHOLAPUR	35.2	+1.5	38.5	26	16.5	-1.0	12.4	04	0.0	0.0	- 3.8	0.0	..	0	- 0.3	9.6	7.1	-0.9	0	0	0	0	0	4	0	0	0	0
MIRAJ	33.9	+0.8	36.8	26	14.3	-1.1	11.1	08	0.0	0.0	- 0.5	0.0	..	0	- 0.1	..	..	..	0	0	0	0	0	3	0	0	0	0
KOLHAPUR	34.4	+1.3	37.4	26	15.2	-1.0	12.3	06	0.0	0.0	- 0.5	0.0	..	0	- 0.1	10.8	7.7	-0.8	0	0	0	0	0	0	0	0	0	0
Udgiri	30.0	..	32.8	26	18.6	..	15.1	12	0.0	0.0	..	0.0	..	0	..	12.8	11.1	..	0	0	0	0	0	0	0	0	0	0
MARATHWADA																												
AURANGABAD	33.9	+2.1	35.8	22	15.7	-0.4	10.6	01	0.0	0.0	- 4.3	0.0	..	0	- 0.5	7.0	6.1	-3.0	0	0	0	0	0	0	0	0	0	0
AURANGABAD(CHIKALTHAN)	33.4	+1.4	35.5	22	10.7	-1.8	5.0	01	0.0	0.0	- 1.1	0.0	..	0	- 0.3	8.7	5.6	-1.9	0	0	0	0	0	0	0	0	0	0
PARBHANI	34.9	+1.4	37.4	21	15.1	-1.0	11.6	01	0.0	0.0	- 7.6	0.0	..	0	- 0.8	5.2	3.3	-3.1	0	0	0	0	0	0	0	0	0	0
NANDER	35.4	..	38.2	21	15.1	..	9.8	02	..	..	..	..	..	..	..	4.2	3.4	..	..	..	0	0	0	0	0	0	0	0
BIR	34.0	..	36.9	21	13.6	..	8.0	02	0.0	0.0	..	0.0	..	0	..	5.9	3.3	..	0	0	0	0	0	0	0	0	0	0
VIDARBHA																												
GONDIA	33.6	+2.5	37.0	21	15.2	-0.2	9.9	01	0.0	0.0	- 14.7	0.0	..	0	- 1.1	3.8	2.0	-1.3	0	0	0	0	0	0	0	0	0	0
NAGPUR(SONEGAON)	34.5	+2.0	37.5	22	14.1	-1.0	8.4	01	0.0	0.0	- 23.4	0.0	..	0	- 1.8	8.5	7.6	-0.9	0	0	0	0	0	0	0	0	0	0
AMRAOTI	34.4	+2.6	37.2	22	18.0	+0.8	14.8	12	0.0	0.0	- 16.0	0.0	..	0	- 1.1	8.9	7.7	-1.4	0	0	0	0	0	2	0	0	0	0
AKOLA AERODROME	34.6	..	37.4	22	12.5	..	7.7	02	0.0	0.0	..	0.0	..	0	..	8.4	7.1	..	0	0	0	0	0	0	0	0	0	0
AKOLA	34.8	+2.0	37.4	22	14.6	-0.6	8.8	02	0.0	0.0	- 10.4	0.0	..	0	- 0.8	4.2	3.1	-2.8	0	0	0	0	0	0	0	0	0	0
BRAMHAPURI	34.3	+2.6	37.3	22	13.5	-1.5	8.0	03	0.0	0.0	- 10.6	0.0	..	0	- 0.9	6.9	3.6	-0.8	0	0	0	0	0	0	0	0	0	0
BULDANA	31.9	+1.2	34.6	22	18.4	+0.5	15.9	02	0.0	0.0	- 0.3	0.0	..	0	0.0	8.6	6.2	-2.3	0	0	0	0	0	0	0	0	0	0
YEOTMAL	34.3	+1.9	37.4	22	18.9	+0.9	13.9	01	0.0	0.0	- 4.1	0.0	..	0	- 0.3	9.5	7.4	-1.9	0	0	0	0	0	0	0	0	0	0
CHANDRAPUR	35.0	+2.7	38.2	22	15.3	-0.6	9.3	01	0.0	0.0	- 24.9	0.0	..	0	- 1.6	6.4	4.0	-0.2	0	0	0	0	0	0	0	0	0	0
PUSAD	35.3	..	38.4	04	13.7	..	8.0	02	0.0	0.0	..	0.0	..	0	..	5.5	3.6	..	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena – No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Mist	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
VIDARBHA (CONTD.)																												
SIRONCHA	35.4	+1.5	37.8	24	16.2	-1.9	10.4	01	0.0	0.0	- 4.7	0.0	..	0	- 0.6	6.1	3.1	-1.4	0	0	0	0	0	0	0	0	0	0
WARDHA	35.2	..	39.8	21	17.0	..	13.0	01	0.0	0.0	..	0.0	..	0	..	6.5	5.1	..	0	0	0	0	0	0	0	0	0	0
BHANDARA	33.8	..	37.3	22	19.3	..	15.3	26	0.0	0.0	..	0.0	..	0	..	6.0	4.0	..	0	..	..	..	..	..	..	..	..	..
COASTAL ANDHRA PRADESH																												
KALINGAPATAM	31.9	+2.3	36.5	17	18.3	-1.5	14.9	05	0.0	0.0	- 14.7	0.0	..	0	- 1.1	11.5	7.1	-2.4	0	0	0	0	0	1	0	0	0	0
VISHAKHAPATNAM	32.8	+3.6	38.0	22	18.7	-0.6	14.7	15	0.0	0.0	- 21.6	0.0	..	0	- 1.1	14.0	8.7	+0.3	0	0	0	0	0	0	0	0	0	0
KAKINADA	32.1	+2.5	36.7	23	20.3	-0.4	18.3	05	0.0	0.0	- 9.1	0.0	..	0	- 0.8	12.4	6.9	-1.9	0	0	0	0	0	0	0	0	0	0
NIDADAVOLE	30.2	-1.9	36.7	25	18.0	-1.3	15.0	16	0.0	0.0	- 3.6	0.0	..	0	- 1.0	12.6	4.0	-2.0	0	0	0	0	0	0	0	0	0	0
RENTACHINTALA	35.0	+0.9	39.0	25	18.5	-1.4	14.8	01	0.0	0.0	- 7.9	0.0	..	0	- 0.6	4.0	3.8	-2.7	0	0	0	0	0	0	0	0	0	0
GANNAVARAM	33.8	+0.9	37.6	25	18.6	-1.4	16.0	05	0.0	0.0	- 3.1	0.0	..	0	- 0.5	11.3	7.0	-2.3	0	0	0	0	0	8	0	0	0	0
MASULIPATAM	30.9	+1.3	34.8	22	18.9	-1.9	16.6	06	0.0	0.0	- 15.0	0.0	..	0	- 0.6	3.9	2.3	-5.9	0	0	0	0	0	0	0	0	0	0
ONGOLE	33.4	+2.8	36.9	17	20.2	-0.7	17.1	07	0.0	0.0	- 6.4	0.0	..	0	- 0.4	5.8	4.1	-2.4	0	0	0	0	0	0	0	0	0	0
NELLORE	33.3	+1.3	35.9	24	20.3	-0.8	18.2	17	0.0	0.0	- 6.9	0.0	..	0	- 0.4	8.5	5.8	-0.6	0	0	0	0	0	0	0	0	0	0
TELANGANA																												
RAMGUNDAM	35.5	+1.4	38.4	21	16.1	-2.7	11.0	02	0.0	0.0	- 2.2	0.0	..	0	- 0.3	7.3	3.7	-2.0	0	0	0	0	0	0	0	0	0	0
NIZAMABAD	34.4	+1.8	37.1	22	15.9	-1.6	10.5	03	0.0	0.0	- 19.1	0.0	..	0	- 1.4	..	..	..	0	0	0	0	0	0	0	0	0	0
HANAMKONDA	33.8	+1.4	36.7	22	17.4	-1.8	12.6	02	0.0	0.0	- 14.0	0.0	..	0	- 1.1	8.0	4.0	-3.1	0	0	0	0	0	0	0	0	0	0
HAKIMPET AERODROME	32.4	..	35.5	24	18.8	..	14.8	03	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
BHADRACHALLAM	35.7	+1.7	39.0	24	17.5	-1.5	12.6	01	0.0	0.0	- 1.3	0.0	..	0	- 0.2	6.4	3.8	-2.7	0	0	0	0	0	0	0	0	0	0
HYDERABAD(BEGAMPET)	33.4	+2.2	37.0	25	14.2	-2.5	10.1	01	0.0	0.0	- 9.7	0.0	..	0	- 0.9	9.8	5.0	-3.9	0	0	0	0	0	0	0	0	0	0
KHAMMAM	35.6	+2.0	38.8	25	18.7	-1.3	16.1	05	0.0	0.0	- 7.7	0.0	..	0	- 0.4	3.1	2.2	-5.0	0	0	0	0	0	0	0	0	0	0
MAHBUBNAGAR	32.9	+0.6	36.0	26	16.4	-1.5	12.4	06	0.0	0.0	- 0.5	0.0	..	0	- 0.4	9.1	6.1	-2.5	0	0	0	0	0	0	0	0	0	0
RAYALASEEMA																												
KURNOOL	35.0	+0.7	38.5	26	16.1	-3.2	11.6	01	0.0	0.0	- 8.1	0.0	..	0	- 0.5	6.2	4.0	-2.9	0	0	0	0	0	0	0	0	0	0
NANDYL	35.6	..	38.8	24	17.3	..	14.0	01	0.0	0.0	..	0.0	..	0	..	7.0	6.0	..	0	0	0	0	0	0	0	0	0	0
ANANTAPUR	33.9	+0.5	37.0	24	16.9	-1.7	14.1	17	0.0	0.0	- 6.1	0.0	..	0	- 0.4	11.0	9.4	+0.2	0	0	0	0	0	0	0	0	0	0
CUDDAPAH	34.4	+0.1	38.4	24	18.0	-3.0	14.2	06	0.0	0.0	- 3.3	0.0	..	0	- 0.2	7.3	5.6	-5.6	0	0	0	0	0	0	0	0	0	0
AROGYAVARAM	30.7	+0.6	34.2	26	13.7	-3.0	11.0	07	0.0	0.0	- 4.6	0.0	..	0	- 0.3	10.8	7.0	-0.1	0	0	0	0	0	0	0	0	0	0
MADRAS STATE(INCLUDING PONDICHERRY)																												
MADRAS	30.5	+0.8	35.4	25	20.3	-0.5	18.0	17	0.0	0.0	- 8.0	0.0	..	0	- 0.7	9.6	5.3	0.0	0	0	0	0	0	0	0	0	0	0
MADRAS(MINAMBAKKAM)	31.3	+0.7	36.2	25	20.1	-1.0	17.9	17	0.0	0.0	- 12.5	0.0	..	0	- 0.8	11.0	7.1	-2.1	0	0	0	0	0	8	0	0	0	0
VELLORE	31.8	+0.7	35.8	26	16.6	-2.6	13.5	07	0.0	0.0	- 5.3	0.0	..	0	- 0.5	9.0	5.8	-0.8	0	0	0	0	0	1	0	0	0	0
TAMBARAM AERODROME	32.8	..	37.1	25	19.7	..	17.2	17	0.0	0.0	..	0.0	..	0	..	..	..	..	..	..	0	0	0	5	0	0	0	0
TIRUPPATTUR	31.5	-1.0	34.3	27	18.6	+1.1	11.1	09	0.0	0.0	- 13.2	0.0	..	0	- 0.8	6.7	6.0	+0.9	0	0	0	0	0	0	0	0	0	0
METTUR DAM K.S.	33.8	..	36.4	27	15.7	..	13.1	10	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
CUDDALORE	29.0	0.0	31.9	25	19.8	-1.4	17.2	08	0.0	0.0	- 22.9	0.0	..	0	- 1.1	8.9	6.6	-2.4	0	0	0	0	0	0	0	0	0	0
KALLAKKURICHCHI	32.2	-0.5	36.1	25	18.6	-1.8	15.1	17	0.0	0.0	- 12.0	0.0	..	0	- 0.7	8.1	5.3	..	0	0	0	0	0	0	0	0	0	0
SALEM	33.3	-0.4	36.4	26	17.9	-2.3	14.7	07	0.0	0.0	- 8.4	0.0	..	0	- 0.6	9.3	8.6	-2.1	0	0	0	0	0	0	0	0	0	0
COIMBATORE(PILAMEDU)	32.1	-0.4	35.5	27	16.4	-2.7	14.0	18	0.0	0.0	- 8.5	0.0	..	0	- 0.7	17.7	12.1	+1.4	0	0	0	0	0	0	0	0	0	0
COIMBATORE	32.5	+0.3	35.7	27	17.6	-2.6	13.9	18	..	0.0	- 7.9	0.0	..	0	- 0.5	.	6.4	-0.1	0	0	0	0	0	0	0	0	0	0
NAGAPATTINAM	28.7	0.0	30.8	25	22.4	-1.1	18.9	10	0.0	0.8	- 24.1	0.8	15	0	- 1.2	15.4	15.2	-0.6	0	0	0	0	0	1	0	0	0	0
TIRUCHCHIRAPPALLI	32.3	-0.4	35.3	26	19.3	-2.0	16.8	09	0.0	0.0	- 9.1	0.0	..	0	- 0.7	10.7	8.1	+0.4	0	0	0	0	0	4	0	0	0	0
VEDARANNIYAM	31.1	..	32.7	26	21.7	..	18.3	09	14.2	16.0	..	14.2	15	1	..	9.7	6.6	..	0	1	0	0	0	0	0	0	0	0
ATIRAMPATTINAM	30.9	..	33.4	26	19.9	..	16.6	10	0.0	4.0	..	4.0	15	1	..	12.1	8.5	..	0	1	0	0	0	0	0	0	0	0
MADURAI	32.1	-0.3	35.5	27	20.2	-1.4	17.0	19	..	0.2	- 14.5	0.2	15	0	- 0.8	.	7.1	+0.5	1	0	0	0	0	0	0	0	0	0
MADURAI AERODROME	32.4	+0.3	35.7	27	18.7	-2.4	15.2	19	1.3	1.3	- 2.8	1.3	15	0	- 0.8	13.4	8.8	-2.2	0	1	0	0	0	2	0	0	0	0
TONDI	29.2	-0.6	31.0	06	21.5	-1.2	19.7	09	7.0	9.2	+ 1.3	6.2	15	1	0.0	16.4	15.0	-1.7	0	3	0	0	0	0	0	0	0	0
PAMBAN	28.7	-0.4	30.1	24	23.4	-0.7	20.0	09	5.0	11.0	- 10.6	11.0	22	1	- 0.4	19.2	17.2	+3.3	0	1	0	0	0	0	0	0	0	0
TUTICORIN	28.4	+0.2	30.1	26	20.6	-2.4	17.4	20	0.0	0.0	- 20.4	0.0	..	0	- 0.7	20.7	21.1	+1.7	0	0	0	0	0	0	0	0	0	0
PALAYANKOTTAI	33.4	+0.7	36.3	26	20.9	-1.8	18.5	09	2.4	4.8	- 23.7	3.0	15	1	- 0.6	10.3	8.1	-0.2	0	2	0	0	0	0	0	0	0	0
KANNIYAKUMARI	31.8	..	33.6	22	22.7	..	20.2	09	0.0	1.4	..	1.4	05	0	..	21.7	18.7	..	0	1	0	0	0	0	0	0	0	0
COASTAL MYSORE																												
KARWAR	..	..	..	..	..	..	..	..	0.0	0.0	- 0.7	0.0	..	0	- 0.1	5.4	3.5	..	0	0	0	0	0	0	0	0	0	0
HONAVAR	32.4	+1.1	36.6	18	20.0	-0.5	17.0	07	0.0	0.0	- 0.3	0.0	..	0	0.0	..	..	..	0	0	0	0	0	0	0	0	0	0
MANGALORE(BAJPE)	33.6	+0.8	38.2	19	20.2	-1.6	17.4	06	0.0	0.0	0.0	0.0	..	0	0.0	10.9	5.9	-0.8	0	0	0	0	0	1	0	0	0	0
MANGALORE	32.0	+0.9	36.6	19	21.5	-1.3	19.2	18	0.0	0.0	- 2.5	0.0	..	0	- 0.2	12.7	9.4	+0.6	0	0	0	0	0	0	0	0	0	0
INTERIOR MYSORE NORTH																												
BIDAR	32.4	+1.3	35.5	26	19.0	+0.3	16.2	01	0.0	0.0	- 9.4	0.0	..	0	- 0.8	6.6	3.4	-7.2	0	0	0	0	0	0	0	0	0	0
GULBARGA	34.8	+1.4	38.2	26	16.2	-2.3	11.8	04	0.0	0.0	- 7.1	0.0	..	0	- 0.5	..	..	..	0	0	0	0	0	0	0	0	0	0
BIJAPUR	34.8	+1.9	38.1	26	16.9	-1.2	11.6	03	0.0	0.0	- 2.3	0.0	..	0	- 0.2	7.2	4.8	-0.6	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean minimum	Departure from normal	Highest	Date	Mean maximum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
INTERIOR MYSORE NORTH (CONTD.)																												
RAICHUR	34.2	+1.0	38.4	27	19.0	-1.5	15.4	02	0.0	0.0	- 7.1	0.0	..	0	- 0.5	9.3	9.7	+0.3	0	0	0	0	0	0	0	0	0	0
BELGAUM	33.5	+1.3	37.0	26	14.6	-0.5	11.8	06	0.0	0.0	- 1.3	0.0	..	0	- 0.1	10.3	5.1	-1.5	0	0	0	0	0	0	0	0	0	0
BELGAUM(SAMRA)	31.9	+0.4	34.4	26	16.3	+0.2	12.2	08	0.0	0.0	- 2.0	0.0	..	0	- 0.2	10.9	6.3	-5.6	0	0	0	0	0	0	0	0	0	0
GADAG	33.6	+0.6	36.4	26	18.1	-0.5	15.0	01	0.0	0.0	- 2.5	0.0	..	0	- 0.3	9.6	6.9	-0.2	0	0	0	0	0	0	0	0	0	0
INTERIOR MYSORE, SOUTH																												
BELLARY	35.5	+2.2	38.8	27	17.1	-2.8	14.0	09	0.0	0.0	- 6.1	0.0	..	0	- 0.4	4.1	3.1	-2.1	0	0	0	0	0	0	0	0	0	0
CHITRADURGA	31.7	-0.3	35.6	27	18.4	-0.8	15.0	01	0.0	0.0	- 5.1	0.0	..	0	- 0.3	12.1	8.4	+1.5	0	0	0	0	0	0	0	0	0	0
SHIMOGA	33.1	+0.2	35.6	27	12.6	-3.5	9.0	07	0.0	0.0	- 0.2	0.0	..	0	0.0	5.9	4.0	-0.3	0	0	0	0	0	2	0	0	0	0
AGUMBE	30.3	..	33.0	21	11.4	..	6.8	18	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
BALEHONNUR	32.1	+2.8	34.3	26	15.5	-0.3	12.1	08	0.0	0.0	- 2.8	0.0	..	0	- 0.2	..	..	..	0	0	0	0	0	0	0	0	0	0
HASSAN	30.7	+0.2	33.1	25	13.2	-2.9	9.9	08	0.0	0.0	- 7.6	0.0	..	0	- 0.5	6.5	4.3	-1.4	0	0	0	0	0	0	0	0	0	0
BANGALORE	29.6	-0.1	32.8	27	14.6	-1.9	11.6	07	0.0	0.0	- 8.9	0.0	..	0	- 0.5	11.1	6.3	+3.4	0	0	0	0	0	2	0	0	0	0
BANGALORE AERODROME	29.5	-1.1	32.6	26	13.4	-3.0	10.7	07	0.0	0.0	- 15.0	0.0	..	0	- 0.7	..	..	..	0	0	0	0	0	0	0	0	0	0
MYSORE	29.9	-1.3	33.0	25	15.0	-3.2	12.1	18	0.0	0.0	- 6.6	0.0	..	0	- 0.4	18.4	12.5	+3.4	0	0	0	0	0	0	0	0	0	0
KERALA																												
CALICUT	32.1	+0.2	33.9	08	21.2	-1.9	17.0	08	0.0	0.0	- 8.4	0.0	..	0	- 0.3	8.5	6.4	-5.0	0	0	0	0	0	0	0	0	0	0
PALGHAT	36.1	+0.4	39.0	27	20.8	-2.2	16.8	10	0.0	0.0	- 9.1	0.0	..	0	- 0.7	..	..	..	0	0	0	0	0	0	0	0	0	0
FORT COCHIN	31.0	+0.3	32.1	18	21.4	-2.9	19.2	17	0.0	0.0	- 25.4	0.0	..	0	- 1.4	12.9	9.4	+0.1	0	0	0	0	0	0	0	0	0	0
COCHIN(NAVAL AIR STATION)	31.4	..	33.1	16	21.1	..	16.3	03	0.0	0.0	..	0.0	..	0	..	12.0	8.0	..	0	0	0	0	0	0	0	0	0	0
ALLEPPEY	32.3	+0.4	34.0	16	22.3	-1.3	20.3	03	0.0	0.0	- 43.7	0.0	..	0	- 2.5	15.7	10.6	-0.1	0	0	0	0	0	0	0	0	0	0
PUNALUR	35.2	+0.5	38.4	27	19.1	-2.2	15.4	19	0.0	0.0	- 24.4	0.0	..	0	- 3.0	5.0	3.6	-1.6	0	0	0	0	0	0	0	0	0	0
TRIVANDRUM	31.8	+0.1	34.0	15	22.3	-0.6	19.8	19	0.6	0.8	- 20.0	0.4	23	0	- 1.3	8.5	6.1	+0.2	2	1	0	0	0	0	0	0	0	0
TRIVANDRUM AERODROME	31.2	-0.1	32.3	25	21.2	-1.3	18.2	20	0.0	0.0	- 34.3	0.0	..	0	- 1.9	.	5.9	-1.0	0	0	0	0	0	0	0	0	0	0
ARABIAN SEA ISLANDS																												
AMINI	31.0	-1.0	31.7	19	23.2	-1.7	21.6	03	0.0	0.0	- 2.0	0.0	..	0	- 0.3	10.0	7.5	-0.5	0	0	0	0	0	0	0	0	0	0
AGATTI	30.9	..	31.4	17	25.7	..	24.5	19	0.0	0.0	..	0.0	..	0	..	5.4	3.9	..	0	0	0	0	0	0	0	0	0	0
ANDROTH	31.6	..	32.8	28	23.9	..	21.8	03	0.0	0.0	..	0.0	..	0	..	3.0	2.8	..	0	0	0	0	0	0	0	0	0	0
MINICOY	30.3	+0.5	31.5	09	22.2	-1.3	19.6	19	0.0	5.4	- 16.9	5.0	08	1	- 0.3	7.9	5.4	-1.3	0	0	0	0	0	0	0	0	0	0
HILL STATIONS(EXCLUDING KASHMIR)																												
DALHOUSIE	16.5	+3.0	21.4	28	4.9	+0.8	- 0.2	22	8.4	114.4	-53.2	71.0	21	6	- 1.8	4.5	4.6	+0.7	0	7	0	2	2	0	3	0	0	0
DHARMASALA	18.9	+1.8	22.9	28	9.5	+0.7	5.2	22	7.4	57.8	- 34.5	41.2	21	4	- 0.7	7.1	5.9	+1.3	0	5	0	0	3	0	0	0	0	0
BHUNTAR	19.1	..	23.8	28	3.8	..	- 0.4	01	17.4	91.7	..	45.6	19	5	..	7.5	5.4	..	0	7	0	1	3	0	0	0	0	0
SIMLA	12.7	+2.4	17.5	04	4.2	+1.1	- 0.4	22	3.0	40.3	- 29.8	15.5	21	3	- 2.6	2.0	1.8	-2.5	0	3	1	0	2	1	0	0	0	0
DHARMPUR	..	..	..	..	..	..	..	..	..	30.2	- 58.1	12.6	21	3	- 1.6	..	..	..	0	4	..	..	..	..	..	.	..	.
LOKPAL	8.2	+3.6	12.9	06	- 2.3	-2.2	- 5.2	22	..	109.0	- 86.1	45.4	20	5	- 0.1	..	..	..	0	7	8	0	5	0	0	0	0	0
BADRINATH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JOSHIMATH	14.9	+1.6	18.4	07	4.7	+1.3	1.8	20	36.2	93.4	- 1.4	42.8	20	5	- 0.8	6.9	7.8	+0.6	0	5	0	0	0	0	0	0	0	0
MUSSOORIE	15.5	+3.6	19.8	04	5.3	+1.6	0.2	09	12.0	40.2	- 49.3	18.0	20	4	- 1.5	11.1	10.8	+3.4	.	..	0	0	3	0	0	0	0	0
MUKTESWAR(KUMAUN)	15.1	+3.7	17.8	17	5.1	+2.0	1.4	12	13.2	14.8	- 47.2	12.8	20	1	- 3.5	16.6	15.9	+3.6	0	3	0	0	1	1	0	0	0	0
NAINITAL	14.8	+1.7	19.0	17	5.5	+1.4	1.0	01	7.0	8.0	- 36.0	7.0	20	1	- 1.4	9.9	7.8	-0.1	0	2	0	0	0	0	0	0	0	0
KALIMPONG	16.7	0.0	17.8	18	8.7	-0.4	7.0	04	0.0	0.0	- 23.6	0.0	..	0	- 2.4	12.6	9.3	+0.5	0	0	0	0	0	0	0	0	0	0
DARJEELING	8.6	-2.5	16.5	22	3.5	-0.8	0.4	01	0.0	0.0	- 31.7	0.0	..	0	- 2.7	3.7	1.2	-1.1	0	0	0	0	0	1	0	0	0	0
KOHIMA(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SHILLONG(C.S.O.)	17.5	-1.0	22.6	23	8.2	+1.8	3.6	01	0.0	0.0	- 29.2	0.0	..	0	- 2.9	3.3*	3.7*	-0.2	0	0	0	0	0	1	0	0	0	0
CHERRAPUNJI	17.7	+0.8	20.2	24	9.0	-1.5	5.0	01	1.0	18.9	- 33.4	9.2	10	2	- 1.4	6.1	9.0	-0.3	0	5	0	0	0	4	0	0	0	0
ABU	24.5	+3.3	28.1	06	13.3	+1.8	8.8	20	0.0	0.0	- 6.9	0.0	..	0	- 0.7	13.0	7.0	+1.0	0	0	0	0	0	0	0	0	0	0
AIJAL(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
PACHMARHI	26.5	+1.8	30.1	21	10.6	+0.2	5.6	01	0.0	0.0	- 24.6	0.0	..	0	- 1.9	6.1	4.1	-0.1	0	0	0	0	0	0	0	0	0	0
MAHABALESHWAR	28.6	+2.5	31.6	25	15.9	+1.0	12.8	06	0.0	0.0	- 2.8	0.0	..	0	- 0.2	10.3	10.8	+2.8	0	0	0	0	0	0	0	0	0	0
MERCARA	27.6	+0.8	30.2	28	14.1	-1.0	12.0	07	0.0	0.0	- 7.6	0.0	..	0	- 0.6	14.2	10.0	+1.6	0	0	0	0	0	0	0	0	0	0
OOTACAMUND	23.0	+2.4	25.3	06	5.8	-0.5	3.0	10	0.0	0.0	- 12.9	0.0	..	0	- 1.0	6.3	4.3	+1.0	0	0	0	0	0	0	0	0	0	0
COONOOR	22.0	+1.2	24.1	27	6.8	-2.8	3.1	04	..	0.0	- 73.8	0.0	..	0	- 3.1	..	..	..	0	0	0	0	0	0	0	0	0	0
KODAIKANAL	19.8	+1.9	21.2	06	8.4	-0.3	6.7	18	0.3	0.7	- 38.7	0.7	15	0	- 2.2	16.3	16.7	+4.5	0	1	0	0	0	1	0	0	0	0
NEPAL																												
KATMANDU	22.0	+1.3	25.8	22	3.1	-0.9	0.2	02	1.2	1.3	- 11.6	1.2	18	0	- 1.4	1.9	0.9	-0.6	1	1	0	1	1	2	0	0	0	0
SIKKIM																												
LACHEN	7.8	0.0	10.6	22	0.2	-4.0	- 5.0	26	..	85.9	+ 21.9	18.6	18	8	+ 0.6	..	..	..	0	11	..	..	..	..	..	.	..	.

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — FEBRUARY 1967 (MAGHA 18 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
HYDROMETEOROLOGICAL OBSERVATORIES																												
DAMODAR CATCHMENT																												
TILAIYA	28.5	..	33.8	22	11.9	..	5.3	01	0.0	0.0	..	0.0	..	0	..	10.3	5.3	..	0	0	0	0	0	0	0	0	0	0
HAZARIBAGH	27.5	..	32.9	22	11.6	..	4.3	01	0.0	0.0	..	0.0	..	0	..	12.4	7.4	..	0	0	0	0	0	0	0	0	0	0
KONAR	27.3	..	28.6	24	12.8	..	9.9	12	0.0	0.0	..	0.0	..	0	..	9.8	7.6	..	0	0	0	0	0	0	0	0	0	0
BOKARO	31.7	..	37.2	22	7.8	..	0.6	02	0.0	9.6	..	9.6	12	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0
MAITHON	31.6	..	36.9	22	11.1	..	4.5	02	0.0	5.2	..	5.2	12	1	..	2.5	1.7	..	0	1	0	0	0	0	0	0	0	0
RANGARH	33.0	..	37.8	24	8.7	..	2.2	03	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
PANCHET HILLS	30.9	..	36.6	22	13.7	..	7.8	02	0.0	14.0	..	14.0	12	1	..	4.0	2.3	..	0	1	0	0	1	0	0	0	0	0
DURGAPUR	30.2	..	36.2	22	13.4	..	8.0	03	0.0	17.0	..	9.4	12	2	..	6.0	4.6	..	0	2	0	0	0	0	0	0	0	0
MAHANADI CATCHMENT																												
GINABAHAR	31.9	..	36.5	22	10.9	..	4.1	01	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
HIRAKUD	33.3	..	37.3	22	16.0	..	9.8	01	0.0	0.0	..	0.0	..	0	..	4.2	2.5	..	0	0	0	0	0	0	0	0	0	0
BHIMKUND	31.9	..	36.7	22	13.2	..	8.5	01	0.0	0.0	..	0.0	..	0	..	8.2	4.4	..	0	0	0	0	0	2	0	0	0	0
SONEPUR	33.5	..	38.0	22	15.8	..	9.8	03	..	0.0	..	0.0	..	0	..	.	2.8	..	0	0	0	0	0	0	0	0	0	0
KHIJRAWAN	33.4	..	36.1	23	..	..	..	..	0.0	0.0	..	0.0	..	0	..	9.4	5.6	..	0	0	..	..	..	..	..	.	..	.
NARMADA CATCHMENT																												
BAGRA TAWA	32.7	..	36.0	22	10.9	..	5.3	03	0.0	0.0	..	0.0	..	0	..	7.1	4.5	..	0	0	0	0	0	0	0	0	0	0
PUNASA	33.8	..	36.6	20	13.8	..	7.4	01	0.0	0.0	..	0.0	..	0	..	6.4	6.0	..	0	0	0	0	0	0	0	0	0	0
THIKRI	33.6	..	36.3	24	13.9	..	10.8	11	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
SABARMATI CATCHMENT																												
DAROI	35.3	..	38.4	27	7.8	..	4.6	16	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
GANDAK CATCHMENT																												
JAMUSOM	14.5	..	19.5	17	- 0.1	..	- 3.5	03	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
KHUDI BAZAR	22.5	..	25.5	22	10.0	..	6.9	01	3.6	4.0	..	3.6	18	1	..	..	..	..	0	2	..	..	..	..	..	.	..	.
TIMURE	19.1	..	22.4	17	3.6	..	1.2	02	0.0	8.0	..	4.2	20	2	..	..	..	..	0	2	..	..	..	..	..	.	..	.
POKHARA	22.9	..	26.9	22	10.1	..	5.6	02	0.0	0.0	..	0.0	18	0	..	4.0	3.1	..	0	0	0	0	1	0	0	0	0	0
GORKHA	21.9	..	26.2	22	10.9	..	7.3	01	3.1	4.7	..	3.1	18	1	..	..	..	..	0	2	0	0	1	0	0	0	0	0
MUWAKOT	..	..	..	..	..	..	..	..	2.0	2.0	..	2.0	18	0	..	..	..	..	0	1	..	..	..	..	..	.	..	.
GHAGHARA CATCHMENT (TRANS HIMALAYAN REGION)																												
DAILEKH	20.2	..	23.4	18	7.9	..	4.8	01	3.8	5.0	..	5.0	20	1	..	..	..	..	0	1	..	..	..	..	..	.	..	.
GHAGHARA CATCHMENT																												
DADELDHURA	..	Temporarily closed			..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SALLYANA	21.1	..	24.9	17	9.7	..	4.5	02	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
BUTWAL	27.2	..	33.4	22	14.5	..	9.4	23	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
BAGHMATI CATCHMENT																												
KATMANDU	SEE UNDER NEPAL				..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
KOSI CATCHMENT																												
CHAUTARA	Temporarily closed				..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
WALUNGCHUNG GOLA	6.3	..	10.9	17	- 9.5	..	- 13.1	27	99.0	264.8	..	106.7	18	4	..	..	..	..	0	4	..	..	..	..	..	.	..	.
TAPLETHOK	21.5	..	26.5	22	8.7	..	5.1	02	0.0	24.8	..	12.2	18	2	..	..	..	..	0	3	..	..	..	..	..	.	..	.
BHOJPUR	16.6	..	22.6	22	9.0	..	5.1	01	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
TAPLEJUNG	16.4	..	20.8	22	6.1	..	2.6	02	0.2	4.4	..	2.6	20	1	..	..	..	..	1	2	0	0	1	0	0	0	0	0
OKHALDHUNGA	..	..	..	..	6.5	..	2.7	01	0.0	3.1	..	2.8	20	1	..	6.7	4.5	..	0	2	0	1	2	1	0	0	0	0
CHAINPUR	20.4	..	23.2	28	11.1	..	7.7	02	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
ANGBUNG	23.3	..	27.5	16	..	..	..	..	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
BARAHAKSHETRA	26.7	..	30.0	23	13.2	..	8.4	01	0.0	0.0	..	0.0	..	0	..	7.9	4.7	..	0	0	0	0	0	0	0	0	0	0
TISTA CATCHMENT																												
GANGTOK	16.9	..	20.6	14	6.3	..	3.0	02	7.2	39.5	..	13.2	16	4	..	5.8	3.8	..	1	8	0	0	3	1	0	0	0	0
GEZING	19.8	..	23.5	17	7.3	..	3.6	02	3.8	8.4	..	3.6	23	2	..	..	..	..	1	3	..	..	..	..	..	.	..	.

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
MAYA BANDAR	0830	28	1013.0	1009.9	-1.2	25.4	23.2	22.1	26.0	82	+ 5	2.0	-0.4	2.1	0	0	12	01	9	1	0	0	1	0	0	16	0
	1730	28	1009.9	1006.8	-1.1	26.9	23.4	21.6	25.8	72	- 4	2.1	-1.2	8.9	0	0	26	01	23	2	0	0	0	0	0	2	0
LONG ISLAND	0830	25	1012.8	1010.0	-0.8	26.8	23.9	22.5	27.3	78	- 2	3.3	+0.1	0.6	0	0	6	01	2	1	1	0	1	0	0	22	0
	1730	25	1010.0	1007.2	-0.6	26.3	23.2	21.6	25.8	76	0	3.0	-0.3	0.1	0	0	1	00	0	1	0	0	0	0	0	27	0
PORT BLAIR	0530	79	1010.8	1001.8	..	23.2	22.1	21.6	25.8	91	..	5.4[d]	..	3.5[a]	0	0	12	05	8	0	0	0	1	0	0	15	0
	0830	79	1012.9	1004.0	-0.5	28.0	24.3	22.5	27.3	72	1	3.5	0.1	8.8	0	1	22	10	12	1	0	0	0	0	0	5	0
	1130	79	1011.6	1002.8	..	29.8	24.9	22.6	27.4	64	..	3.3	..	10.3	0	0	28	09	17	0	0	0	0	0	1	0	1
	1430	79	1009.1	1000.3	..	30.1	24.8	22.3	26.9	63	..	3.4	..	8.8	0	0	28	04	22	2	0	0	0	0	0	0	0
	1730	79	1009.9	1001.0	-0.5	26.6	23.3	21.7	25.9	75	- 1	4.1	0.2	7.0	0	0	23	05	17	0	0	0	0	0	1	5	0
	2030	79	1012.0	1003.0	..	25.2	22.9	21.7	25.9	81	..	2.0	..	7.1	0	0	20	06	14	0	0	0	0	0	0	8	0
	2330	79	1011.7	1002.7	..	24.6	22.7	21.8	26.2	84	..	3.0	..	7.1	0	2	16	01	16	1	0	0	0	0	0	10	0
CAR NICOBAR	0830	10	1012.0	1010.8	-0.7	28.7	24.4	22.3	26.9	69	- 3	4.5	0.7	2.3	0	0	23	00	13	10	0	0	0	0	0	5	0
	1730	10	1008.9	1007.7	-1.0	27.5	23.9	22.2	26.7	73	- 5	4.4	0.3	1.6	0	0	19	00	9	8	0	0	0	0	0	9	2
NAN COWRY	0830	26	1011.7	1008.8	-0.6	28.0	25.1	23.8	29.5	78	1	4.3	-0.6	1.4	0	0	10	00	3	6	0	0	1	0	0	18	0
	1730	26	1008.8	1005.9	-0.6	27.8	24.9	23.5	28.9	76	- 1	4.7	-0.1	0.5	0	0	3	00	1	0	1	0	1	0	0	25	0
KONDUL	0830	8	..	1011.1	-0.2	27.7	24.9	23.5	28.9	78	- 2	4.3	-0.7	10.6	0	1	26	00	10	16	1	0	0	0	0	1	0
	1730	8	..	1008.4	+0.1	27.5	24.6	23.5	28.9	79	- 4	3.9	-1.1	8.6	0	1	26	00	9	18	0	0	0	0	0	1	0
NORTH ASSAM (INCLUDING NEFA)																											
PASIGHAT	0830	157	1015.0	996.7	-0.5	16.9	14.5	12.2	14.2	76	5	5.2	-0.2	16.4	0	13	13	00	0	0	1	0	0	0	25	2	0
	1730	157	1010.9	992.7	-1.2	19.0	16.1	14.2	16.2	73	- 2	4.6	-1.0	5.9	0	2	16	01	0	0	0	4	1	1	11	10	0
DIBRUGARH (MOHANBARI)	0230	111	1012.4	999.3	..	14.0	13.2	12.5	14.5	91	..	4.0	..	4.4	0	0	18	01	13	1	1	0	1	1	0	10	0
	0530	111	1012.9	999.8	..	13.3	12.8	12.4	14.4	94	..	4.7	..	4.1	0	0	21	02	13	1	1	0	1	3	0	7	0
	0830	111	1015.0	1002.0	-0.5	17.0	15.0	13.5	15.5	80	1	4.4	-0.2	6.6	0	0	26	01	19	5	1	0	0	0	0	2	0
	1130	111	1013.2	1000.4	..	21.5	16.6	12.9	14.9	60	..	3.4	..	7.9	0	0	28	05	11	7	1	2	1	0	1	0	0
	1430	111	1010.0	997.3	..	23.4	16.9	11.9	13.9	52	..	3.6	..	6.7	0	0	27	01	14	2	2	1	2	3	2	1	0
	1730	111	1010.6	997.7	-0.9	19.8	16.3	13.7	15.7	69	- 3	3.8	-0.9	3.4	0	0	13	01	10	1	0	1	0	0	0	15	0
	2030	111	1012.7	999.7	..	16.4	14.7	13.4	15.4	81	..	4.0	..	3.2	0	0	15	06	7	0	1	0	0	1	0	13	0
	2330	111	1013.1	1000.0	..	15.0	13.9	13.0	15.0	88	..	4.7	..	3.6	0	0	14	05	7	4	0	0	0	0	0	14	0
DIGBOI	0830	152	1014.9	997.1	-1.1	17.0	15.3	14.0	16.0	83	- 2	2.8[d]	-2.1	2.1[a]	0	0	22	00	6	6	1	5	2	2	0	3	0
	1730	152	1011.0	993.4	-0.7	19.5	16.7	14.7	16.7	75	10	.	..	1.9[a]	0	0	17	05	3	6	0	0	2	2	1	8	0
NORTH LAKHIMPUR	0830	102	1014.8	1002.9	-0.3	16.1	15.5	13.7	15.7	77	- 2	3.7	-0.5	4.2	0	0	25	04	14	4	2	0	0	1	0	3	0
	1130	102	1013.4	1001.6	..	22.0	16.8	13.0	15.0	58	..	3.3	..	6.9	0	1	25	02	13	2	6	1	1	0	1	2	0
	1430	102	1010.3	998.6	..	23.1	17.1	12.6	14.5	54	..	3.6	..	5.5	0	0	26	02	6	5	8	3	2	0	0	2	0
	1730	102	1010.7	998.8	-0.8	19.5	16.7	14.0	16.0	75	- 5	3.4	-1.3	2.5	0	0	15	05	8	0	1	0	0	0	1	13	0
	2030	102	1012.7	1000.7	..	16.2	15.1	14.3	16.3	88	..	3.8	..	3.8	0	1	18	08	2	1	0	0	5	1	2	9	0
SIBSAGAR	0830	97	1014.6	1003.3	-1.2	17.9	15.9	14.5	15.5	81	- 4	3.4	-2.1	2.0	0	0	18	14	1	0	1	1	1	0	0	10	0
	1730	97	1009.9	998.9	-1.4	22.3	18.0	15.1	17.1	63	-11	3.2	-1.4	2.1	0	0	16	09	5	1	0	1	0	0	0	12	0
GOHPUR	0830	83	1014.7	1005.1	..	17.9	15.8	14.3	16.3	81	- 2	3.5	..	2.0	0	0	22	00	14	0	6	0	1	0	0	6	1
	1730	83	1010.1	1000.5	..	19.6	16.6	14.3	16.3	71	- 2	3.3	..	2.1	0	0	17	00	12	1	1	0	1	1	0	11	1
MAJBAT	0830		..	997.4	-3.0	17.8	15.2	12.8	15.7	74	..	1.6	-1.9	5.0	0	0	26	00	18	4	2	0	2	0	0	2	0
	1730		..	993.9	-2.9	22.2	17.7	14.0	16.0	58	..	2.7[d]	-0.6	2.9[d]	0	0	17	01	11	1	0	0	2	1	1	10	0
JORHAT AERODROME	0530	90	1012.1	1001.5	..	13.4	13.1	12.9	14.9	97	..	3.9	..	2.0	0	0	9	02	6	1	0	0	0	0	0	19	0
	0830	90	1014.4	1003.8	..	17.2	15.8	14.8	16.8	86	..	3.8	..	4.5	0	1	13	00	11	2	0	0	0	0	1	14	0
	1130	90	1012.6	1002.3	..	23.0	17.8	14.2	16.2	58	..	2.6	..	8.6	0	1	23	02	17	2	0	0	0	2	1	4	0
	1730	90	1009.8	999.4	..	20.2	16.8	14.4	16.4	70	..	2.9	..	5.6	0	0	15	03	8	5	1	0	0	0	0	13	0
	2330	90	1012.3	1001.8	..	15.4	14.8	14.3	16.3	91	..	3.2	..	4.0	0	1	6	00	5	0	1	0	1	0	0	21	0
TANGLA	0830	78	1013.5	1004.4	-1.6	19.5	16.4	14.3	16.3	72	0	.	..	2.2	0	0	19	00	0	0	10	0	9	0	0	9	0
	1730	78	1008.9	1000.0	-2.2	23.6	19.2	16.4	18.6	64	- 3	.	..	1.2	0	0	8	00	1	0	2	0	5	0	0	20	0
TEZPUR	0830	79	1014.6	1005.4	-1.4	18.5	15.1	12.8	14.8	70	- 7	1.9	-1.1	5.7	0	1	23	00	21	1	0	1	0	1	0	4	0
	1730	79	1009.6	1000.6	-1.8	22.6	16.9	12.9	14.9	53	-10	2.5	-0.1	3.2	0	0	20	01	15	0	0	0	2	1	1	8	0
GOLAGHAT	0830	95	1013.5	1002.3	-1.6	17.3	15.8	13.2	15.2	78	- 2	3.3	-0.4	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
	1730	95	1008.8	997.9	-1.9	24.3	17.6	12.7	14.7	50	-14	2.8[i]	-0.8	0.0[i]	0	0	0	00	0	0	0	0	0	0	0	22	0
RANGIA	0830	60	1016.1	1009.1	..	19.7	16.9	15.0	17.0	74	- 1	0.7	..	7.7	0	2	21	01	4	15	2	0	0	1	0	5	0
	1730	60	1011.5	1004.7	..	23.1	18.3	15.2	17.3	62	0	1.7[d]	..	2.0[d]	0	0	7	01	0	3	1	0	0	1	1	20	0
CHAPARMUKH	0830	66	1015.4	1007.8	-0.5	19.2	18.1	13.8	15.8	71	0	1.1[i]	-1.1	3.8[i]	0	0	25	00	2	8	12	1	1	0	1	0	0
	1730	66	1010.6	1003.1	-0.5	22.7	18.2	15.2	17.3	63	2	2.0[h]	-1.0	1.2[h]	0	0	8	01	5	0	2	0	0	0	2	15	0
GOALPARA	0830	38	1013.9	1006.3	-0.2	15.7	14.7	13.9	15.9	89	13	0.7	-2.6	1.4	0	0	17	00	7	3	5	2	0	0	0	11	0
	1730	38	1009.7	1005.6	-0.7	26.3	18.4	12.8	14.8	44	- 9	1.7	0.3	1.3	0	0	14	00	1	0	0	0	6	4	3	14	0
GAUHATI (BHORJOR)	0230	54	1011.2	1004.8	..	14.3	13.1	12.1	14.1	87	..	1.0	..	4.5	0	1	11	04	2	2	1	2	1	0	0	16	0
	0530	54	1011.6	1005.2	..	12.9	11.9	11.0	13.3	90	..	1.0	..	3.0	0	1	7	03	5	1	0	0	1	0	0	20	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NORTH ASSAM (INCLUDING NEFA) (CONTD.)																											
GAUHATI (PHORJOR) (CONTD.)	0830	54	1014.0	1007.7	-1.0	17.9	14.8	12.3	14.3	71	- 2	1.1	-0.7	3.9	0	0	14	02	6	3	0	0	1	2	0	14	0
	1130	54	1012.3	1006.1	..	24.2	17.1	11.7	13.7	45	..	0.4	..	8.0	0	0	25	06	8	2	0	1	0	4	4	3	0
	1430	54	1008.8	1002.8	..	26.5	17.1	9.5	11.9	35	..	1.0	..	9.7	0	3	24	06	6	1	0	1	2	5	6	1	0
	1730	54	1009.4	1003.1	-1.5	22.8	16.6	11.8	13.8	51	- 7	2.5	-0.3	3.4	0	0	11	02	2	1	0	1	3	3	1	17	0
	2030	54	1011.8	1005.5	..	17.8	15.3	13.4	15.4	76	..	2.1	..	5.7	0	0	19	00	2	3	2	11	0	1	0	9	0
	2330	54	1012.2	1005.8	..	15.9	14.0	12.5	14.5	81	..	1.0	..	4.6	0	0	15	00	4	3	0	5	3	0	0	13	0
DHUBRI (RUPSI)	0530	45	1011.7	1006.3	..	12.3	11.4	10.6	12.6	89	..	0.1	..	4.0	0	0	19	00	11	5	0	0	2	1	0	9	0
	0830	45	1013.4	1008.1	-0.9	19.0	15.2	12.2	14.2	65	- 7	0.2	-1.7	8.4	0	0	24	00	7	12	0	1	3	1	0	4	0
	1130	45	1012.2	1007.1	..	25.5	17.2	10.7	12.9	40	..	0.2	..	11.4	0	26	2	00	3	11	5	1	8	2	0	0	0
	1730	45	1008.9	1003.7	-1.5	23.9	17.3	12.4	14.4	50	-17	0.6	-1.0	3.0	0	0	14	00	4	0	0	0	2	6	2	14	0
DHUBRI	0830	35	1014.1	1010.0	-1.1	18.1	15.3	13.1	15.1	75	- 1	0.1	-1.8	8.3	0	1	27	00	19	2	1	0	4	1	1	0	0
	1730	35	1010.0	1005.9	-1.3	23.8	16.8	11.4	13.5	47	- 8	0.5	-1.4	2.5	0	0	13	00	4	2	2	0	3	1	1	15	0
LUMDING	0830	149	1013.7	996.8	..	13.8	12.8	11.9	13.9	89	13	1.7	..	1.6	0	0	13	00	2	8	2	1	0	0	0	15	0
	1730	149	1009.5	992.6	..	24.6	20.7	18.8	21.7	70	..	2.7	..	2.6	0	0	18	01	0	6	0	6	1	2	2	10	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
TURA	0830	370	1014.3	971.6	-1.2	18.1	13.5	9.4	11.8	57	-13	2.9	0.9	4.1	0	0	26	00	2	15	7	2	0	0	0	2	0
	1730	370	1010.1	968.5	+0.9	24.4	15.8	8.4	11.0	37	-25	4.2	2.1	4.4	0	0	26	01	0	5	1	6	5	7	1	2	0
HAFLONG	0830	682	1016.3	939.4	+2.3	17.2	13.8	11.0	13.1	64	0	1.9	-0.4	1.5	0	0	14	00	0	0	0	2	12	0	0	14	0
	1730	682	1010.4	933.7	-0.1	19.0	14.5	11.2	13.3	62	6	1.7	-1.0	2.6	0	0	24	00	0	0	0	0	24	0	0	4	0
SILCHAR (KUMBHIRGRAM)	0530	97	1011.3	999.9	..	15.1	13.7	12.6	14.6	85	..	2.6	..	9.0	0	0	28	00	1	26	0	0	1	0	0	0	0
	0830	97	1013.4	1002.1	-0.8	18.3	15.5	13.4	15.4	74	1	2.3	-0.2	10.6	0	0	28	00	0	27	0	0	0	1	0	0	0
	1130	97	1011.6	1000.5	..	24.1	17.5	12.7	14.7	50	..	2.0	..	9.4	0	0	28	00	0	11	10	0	1	4	1	0	1
	1730	97	1008.7	997.7	-1.2	23.1	17.5	13.5	15.5	56	1	1.0	-1.1	4.1	0	0	19	00	1	7	0	0	2	7	2	9	0
SILCHAR	0830	29	1015.3	1011.9	-0.3	19.2	16.5	14.6	16.6	74	- 3	1.9	-0.4	0.8	0	0	11	00	1	4	4	1	0	1	0	17	0
	1730	29	1011.0	1007.6	-0.5	24.5	18.7	14.6	14.6	55	- 1	1.4	-0.5	0.2	0	0	3	00	1	0	0	0	1	1	0	25	0
IMPHAL (TULIHAL)	0530	781	1016.2	925.6	..	8.9	8.2	7.5	10.4	92	..	2.9	..	1.6	0	0	6	01	1	2	0	0	1	1	0	22	0
	0830	781	1015.9	927.4	-0.9	14.7	12.0	9.7	12.0	73	3	2.4	-0.1	2.0	0	0	6	00	1	1	1	2	0	0	1	22	0
	1130	781	1012.3	925.7	..	20.5	14.5	9.8	12.1	52	..	2.2	..	7.6	0	2	16	01	0	0	4	2	4	5	2	10	0
	1430	781	1008.6	922.9	..	22.8	15.3	9.5	11.9	44	..	2.5	..	12.4	0	6	19	01	0	0	1	2	8	8	5	3	0
	1730	781	1010.3	923.3	+0.5	18.3	13.5	9.6	11.9	58	6	2.3	-0.2	10.3	0	1	23	01	0	0	4	0	2	9	8	4	0
	2030	781	1013.6	925.3	..	14.8	12.0	9.7	12.0	72	..	1.8	..	4.5	0	1	11	00	0	2	2	1	1	3	3	16	0
	2330	781	1014.9	925.7	..	12.0	10.6	9.4	11.8	84	..	2.3	..	2.6	0	1	6	00	1	2	2	0	0	0	2	21	0
KAILASHAHAR	0530	29	1012.8	1009.3	..	14.3	13.9	13.7	15.7	96	..	0.6	..	1.0	0	0	9	00	0	1	1	3	4	0	0	19	0
	0830	29	1014.7	1011.3	-0.8	19.4	17.0	15.3	17.4	78	3	1.2	-1.1	3.9	0	0	27	00	1	0	1	9	13	2	1	1	0
	1130	29	1013.3	1010.0	..	26.0	19.5	15.3	17.4	53	..	1.5	..	6.0	0	0	28	05	5	0	0	5	7	5	1	0	0
	1730	29	1010.2	1006.9	-1.4	24.4	19.5	16.3	16.5	62	7	0.7	-1.3	1.9	0	0	14	01	0	4	0	0	4	0	4	14	1
AGARTALA	0230	16	1010.6	1008.7	..	16.3	15.2	14.2	16.2	88	..	0.6	..	5.0	0	1	13	00	0	0	4	10	0	0	0	14	0
	0530	16	1011.1	1009.2	..	15.6	15.0	14.6	16.6	91	..	2.0	..	4.4	0	0	17	00	0	0	7	9	1	0	0	11	0
	0830	16	1013.2	1011.3	-0.9	21.1	18.0	15.5	17.6	72	2	2.3	0.0	8.4	0	2	21	00	1	2	6	12	1	0	1	5	0
	1130	16	1012.2	1010.4	..	27.2	19.0	13.3	15.3	44	..	1.2	..	9.4	0	2	23	01	2	1	1	11	5	2	2	3	0
	1430	16	1009.1	1007.3	..	28.9	18.6	10.8	12.9	34	..	1.4	..	12.2	0	3	24	01	0	0	1	7	5	10	3	1	0
	1730	16	1009.1	1007.3	-1.3	24.9	18.4	13.6	15.6	51	2	0.6	-1.4	7.2	0	2	19	02	0	0	1	7	4	5	2	7	0
	2030	16	1011.2	1009.3	..	19.5	16.8	14.7	16.7	74	..	0.2	..	6.6	0	2	16	00	0	2	0	14	1	1	0	10	0
	2330	16	1011.5	1009.6	..	17.7	16.0	14.6	16.6	82	..	0.3	..	6.1	0	1	15	00	0	0	4	11	0	1	0	12	0
SUB-HIMALAYAN WEST BENGAL																											
BAGHDOGRA	0230	131	1011.5	996.0	..	13.3	12.0	11.8	13.6	86	..	0.4	..	3.4	0	0	10	08	1	0	0	0	1	0	0	18	0
	0530	131	1011.9	996.3	..	11.7	10.6	9.5	11.9	87	..	0.4	..	4.9	0	0	17	12	3	1	0	0	1	0	0	11	0
	0830	131	1013.9	998.6	-0.3	18.9	14.8	11.5	13.4	63	- 8	0.6	-1.2	7.9	0	0	18	03	9	3	1	0	0	1	1	10	0
	1130	131	1012.7	997.8	..	25.5	17.0	10.3	12.5	39	..	0.5	..	14.1	0	5	22	00	3	14	4	4	1	1	0	1	0
	1430	131	1009.1	994.3	..	27.3	17.5	9.2	11.6	33	..	1.5	..	11.1	0	1	25	00	0	6	2	9	5	4	0	2	0
	1730	131	1009.3	994.2	-1.1	23.3	17.2	12.7	14.7	52	- 5	1.5	-1.4	6.0	0	1	19	00	2	5	0	3	8	2	0	8	0
	2030	131	1011.8	996.4	..	16.7	14.1	12.0	14.0	75	..	0.4	..	5.7	0	1	14	14	0	0	0	0	1	0	0	13	0
	2330	131	1012.4	996.6	..	14.5	12.8	11.3	13.4	82	..	0.5	..	4.6	0	0	15	13	0	0	0	0	1	0	1	13	0
JALPAIGURI	0830	83	1013.5	1003.7	-1.5	16.6	14.2	12.3	14.3	75	- 7	0.2	-1.7	4.7	0	0	28	12	9	2	1	0	0	1	3	0	0
	1730	83	1008.6	999.2	-2.2	24.9	17.4	11.7	13.7	44	- 6	0.4	-1.7	3.2	0	1	20	01	1	4	3	4	6	2	0	7	0
COOCH BEHAR AERODROME	0830	43	1013.9	1008.9	-0.3	18.5	14.9	12.0	14.0	67	- 3	0.3	-1.2	10.1	0	4	18	00	2	16	2	0	0	2	0	6	0
	1130	43	1012.7	1007.8	..	24.9	16.9	10.6	12.8	41	..	0.3	..	14.9	0	7	21	00	3	16	4	3	2	0	0	0	0
	1730	43	1009.5	1004.6	-0.6	23.3	17.4	13.1	15.0	53	- 4	0.5	-0.5	1.3	0	1	1	01	0	0	0	0	0	1	0	26	0
BALURGHAT	0830	26	1013.0	1010.0	..	20.0	15.1	11.1	13.2	58	..	0.5	..	2.8	0	0	15	01	5	4	0	0	4	2	1	10	0
	1730	26	1008.3	1005.4	..	25.2	17.5	11.7	13.7	44	..	0.4	..	0.9	0	0	5	00	0	0	0	0	1	4	0	20	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 63 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SUB-HIMALAYAN WEST BENGAL (CONTD.)																											
MALDA	0830	31	1013.9	1010.2	-1.1	20.1	14.3	9.1	11.5	51	-14	0.4	-1.3	0.7	0	0	9	00	1	1	0	0	1	4	2	19	0
	1730	31	1009.3	1005.7	-1.9	26.3	16.9	9.0	11.5	34	-11	0.4	-1.2	1.4	0	0	14	02	0	0	0	0	1	2	8	14	1
GANGETIC WEST BENGAL																											
BERHAMPORE	0830	19	1013.7	1011.6	-1.0	19.0	14.4	10.5	12.7	57	-10	0.3	-1.6	1.4	0	0	13	01	0	2	0	4	0	5	1	15	0
	1730	19	1008.9	1006.8	-1.9	26.4	17.9	11.5	13.6	42	- 2	0.1	-1.8	0.1	0	0	1	00	0	0	0	0	0	1	0	27	0
SURI	0830		..	..	..	22.1	14.4	7.3	10.2	38	-16	0.0	-1.7	3.8	0	0	28	06	0	4	0	1	2	15	0	0	0
ASANSOL	0230	126	1011.6	996.7	..	15.1	11.4	7.7	10.5	62	..	0.1	..	1.9	0	1	5	00	0	0	0	0	1	1	4	22	0
	0530	126	1012.0	997.1	..	13.5	10.3	6.9	9.9	66	..	0.3	..	1.1	0	0	6	00	0	0	0	0	0	5	1	22	0
	0830	126	1013.9	999.3	-0.9	20.8	15.7	6.9	9.9	40	-22	0.1	-1.7	4.9	0	0	24	02	1	0	1	0	1	9	10	4	0
	1130	126	1012.7	998.5	..	28.9	16.9	6.3	9.5	24	..	0.2	..	7.7	0	1	27	06	2	0	0	1	2	3	13	0	1
	1430	126	1009.2	995.1	..	31.2	17.9	6.6	9.7	22	..	0.3	..	7.5	0	1	25	04	2	0	0	0	4	1	14	2	1
	1730	126	1009.0	994.8	-1.5	27.5	17.3	9.0	11.5	32	- 7	0.6	-1.3	3.7	0	0	16	01	0	0	0	2	0	2	11	12	0
	2030	126	1011.6	996.9	..	19.5	14.2	9.6	11.9	53	..	0.0	..	0.7	0	0	5	00	0	0	0	0	1	0	4	23	0
	2330	126	1012.4	997.6	..	16.7	12.7	9.0	11.5	61	..	0.0	..	2.1	0	0	11	00	1	1	0	1	0	6	2	17	0
SHANTI NIKETAN	0830	59	1013.9	1007.1	..	20.2	14.4	9.3	11.7	50	..	0.2	..	3.4	0	0	19	03	2	0	0	0	0	3	11	9	0
	1130	59	1013.0	1006.4	..	27.1	17.0	8.6	11.2	32	..	0.3	..	2.0	0	0	19	09	0	0	0	2	0	3	5	9	0
	1730	59	1009.5	1002.8	..	26.4	17.5	10.6	12.8	37	..	0.7	..	1.9	0	0	16	01	1	0	2	3	0	6	3	12	0
KRISHNANAGAR	0830	15	1013.7	1012.1	-1.1	20.9	16.0	12.2	14.2	59	-10	0.1	-1.9	0.3	0	0	2	00	0	0	0	0	0	2	0	26	0
	1730	15	1010.8	1009.1	-0.4	26.9	19.1	13.4	15.4	44	- 5	0.1	-1.7	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
PURULIA	0830	255	1014.3	985.0	-1.1	20.5	13.0	5.2	8.8	37	-11	0.2	-1.0	3.4	0	0	23	02	2	0	1	0	4	6	8	5	0
	1730	255	1009.0	980.8	-0.9	29.2	17.2	6.8	9.9	25	-10	0.7	-1.0	3.4	0	0	23	03	4	0	2	0	3	4	7	5	0
BANKURA	0830	100	1013.5	1001.9	..	19.7	14.1	9.1	11.5	51	..	0.1	..	0.8	0	0	9	00	0	0	0	0	2	5	2	19	0
	1730	100	1009.5	998.4	..	28.5	16.2	10.3	12.5	33	..	0.0	..	0.0	0	0	0	00	0	0	0	0	0	0	0	27	0
BURDWAN	0830	32	1013.6	1009.8	-1.4	19.4	15.3	12.0	14.0	61	- 4	0.0	-1.9	1.8	0	0	16	03	2	2	1	4	1	0	3	12	0
	1730	32	1009.9	1006.2	-1.3	27.8	19.2	13.3	15.3	42	- 2	0.0	-1.7	1.1	0	0	13	04	1	2	0	2	0	1	3	15	0
CALCUTTA (DUM DUM)	0230	6	1010.7	1010.0	..	18.1	17.0	16.2	18.4	90	..	0.8	..	2.1	0	0	12	00	1	0	2	1	5	3	0	16	0
	0530	6	1011.0	1010.3	..	17.3	16.3	15.6	17.7	91	..	2.4	..	1.6	0	0	12	01	0	1	3	0	2	4	1	16	0
	0830	6	1013.5	1012.8	-1.3	21.2	18.2	16.2	18.4	75	3	1.3	-1.0	3.3	0	0	21	01	0	1	2	2	5	4	6	7	0
	1130	6	1012.7	1012.0	..	27.9	19.7	14.3	16.3	44	..	0.9	..	6.0	0	0	25	04	0	2	2	1	2	2	12	3	0
	1430	6	1009.5	1008.8	..	30.0	20.4	14.2	16.2	39	..	0.8	..	6.8	0	0	28	01	0	0	1	4	4	8	10	0	0
	1730	6	1009.3	1008.6	-1.9	27.4	20.3	15.9	18.0	50	1	0.4	-1.6	1.9	0	0	13	01	0	0	1	4	5	1	1	15	0
	2030	6	1011.3	1010.6	..	21.5	18.8	17.1	19.5	76	..	0.3	..	3.3	0	0	20	03	0	1	1	10	4	0	1	8	0
	2330	6	1011.6	1010.9	..	19.5	17.9	16.9	19.3	85	..	0.3	..	2.6	0	0	15	00	0	0	0	9	4	2	0	13	0
CALCUTTA	0830	6	1013.7	1012.9	-1.2	22.6	18.9	16.5	18.8	70	- 5	1.2	-0.9	3.6	0	0	24	00	0	3	0	3	9	4	5	4	0
	1130	6	1012.7	1011.9	..	28.8	19.4	12.9	14.9	38	..	0.7	..	6.6	0	0	27	02	0	1	0	2	7	6	9	1	0
	1730	6	1009.5	1008.6	-1.5	27.4	19.3	15.8	15.8	45	- 3	0.6	-1.1	3.6	0	0	22	01	0	0	3	7	7	2	2	6	0
MIDNAPORE	0830	45	1014.1	1008.8	-0.9	21.6	16.6	12.9	14.9	59	- 4	0.4	-1.4	1.4	0	0	11	01	7	0	0	0	2	0	1	17	0
	1730	45	1009.5	1004.4	-1.3	28.9	18.9	11.6	13.7	35	- 6	0.1	-1.7	0.9	0	0	9	02	4	0	2	0	1	0	0	19	0
CONTAI	0830	11	1014.0	1012.8	+0.0	22.7	20.1	18.6	21.4	78	10	0.7	-0.6	4.3	0	0	26	15	0	0	1	5	1	2	2	2	0
	1730	11	1009.9	1008.7	-0.7	25.3	20.8	18.2	20.9	65	1	0.2	-1.1	5.2	0	0	27	00	0	2	4	21	0	0	0	1	0
SAGAR ISLAND	0830	3	1013.0	1012.7	-1.4	23.4	21.4	20.3	23.8	84	11	1.2	-1.0	11.9	0	5	21	04	1	1	0	6	5	2	7	2	0
	1730	3	1009.5	1009.2	-1.7	25.1	21.5	19.5	22.7	72	5	0.7	-1.3	13.1	0	3	24	01	1	1	9	12	3	0	0	1	0
SANDHEADS	0530	10	1010.7	1009.6	..	23.6	21.8	20.7	24.4	85	..	0.8	..	12.7	0	8	16	00	1	0	0	0	19	3	1	4	0
	0830	10	1013.5	1012.5	-1.1	25.5	22.5	20.9	24.7	77	5	0.9	-0.9	11.5	0	5	18	02	1	0	0	0	16	3	1	5	0
	1130	10	1013.4	1012.3	..	26.8	22.9	20.9	24.7	69	..	1.2	..	10.1	0	5	15	03	3	0	0	0	12	1	1	6	0
	1730	10	1010.0	1008.9	-1.9	25.5	21.9	19.9	23.2	72	3	0.5	-1.0	10.4	0	4	18	01	1	0	1	2	15	1	1	6	0
	2330	10	1012.1	1011.0	..	24.4	22.1	20.9	24.7	81	..	0.0	..	14.1	0	5	22	00	0	0	3	6	17	1	0	1	0
ORISSA																											
BARIPADA	0830	54	1014.7	1006.4	-1.0	21.1	15.7	11.4	13.5	55	- 6	0.1	-1.1	3.1	0	0	22	11	6	0	0	0	0	1	4	6	0
	1730	54	1010.2	1004.1	-1.1	28.2	18.7	11.8	13.8	37	- 5	0.1	-1.2	1.7	0	0	12	01	0	0	3	8	1	1	0	16	0
JHARSUGUDA	0230	230	1011.3	984.6	..	18.1	12.9	8.0	10.7	53	..	0.0	..	1.4	0	0	7	00	2	2	1	0	0	1	1	21	0
	0530	230	1012.1	985.2	..	15.4	11.7	8.3	10.9	62	..	0.0	..	2.6	0	0	15	02	6	2	1	1	1	0	2	13	0
	0830	230	1014.1	987.6	-0.5	21.9	14.2	8.0	10.7	43	-12	0.2	-0.9	4.1	0	0	16	01	9	2	0	2	0	0	2	12	0
	1130	230	1012.8	986.8	..	29.4	17.3	6.9	9.9	24	..	0.2	..	7.6	0	1	22	01	6	3	0	1	3	5	4	5	0
	1430	230	1009.0	983.7	..	33.0	18.5	6.2	9.5	19	..	0.2	..	9.7	0	3	21	01	1	0	0	1	0	15	6	4	0
	1730	230	1008.7	983.2	-1.0	30.9	17.8	6.6	9.7	22	-10	0.4	-1.0	6.5	0	1	17	00	0	0	1	4	1	11	1	10	0
	2030	230	1011.1	985.0	..	24.5	15.5	7.4	10.3	34	..	0.1	..	3.7	0	0	18	00	0	0	1	8	3	5	1	10	0
	2330	230	1011.9	985.5	..	20.9	14.0	7.6	10.4	42	..	0.0	..	2.9	0	0	13	00	1	3	4	1	1	1	2	15	0
KEONJHARGARH	0830	463	1014.4	962.4	-0.6	22.4	15.7	10.8	12.9	49	-10	0.1	-1.3	1.0	0	0	14	05	0	0	0	0	0	5	4	14	0
	1730	463	1008.1	957.8	-1.6	30.2	17.1	6.9	9.9	23	-20	0.0	-1.7	1.5	0	0	19	01	5	0	0	0	5	3	7	9	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	29 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORRISA(CONTD)																											
BALASORE	0830	20	1014.0	1011.7	-0.8	21.1	17.6	15.2	17.3	68	3	1.5[a]	-0.9	12.6[a]	0	2	15	04	5	0	2	0	6	0	0	0	0
	1730	20	1009.9	1007.7	-1.0	26.0	20.3	16.5	19.1	57	- 3	0.7[a]	-1.8	16.0[a]	0	4	14	00	0	0	7	9	2	0	0	0	0
SAMBALPUR	0830	148	1013.8	996.7	-1.1	22.2	15.5	9.9	12.2	46	-20	0.0	-1.7	0.0	0	0	0	00	0	0	0	0	0	0	0	0	28
	1730	148	1011.8	994.9	+1.1	22.6	17.3	13.3	15.3	56	16	0.1	-1.7	0.0	0	0	0	00	0	0	0	0	0	0	0	0	28
ANGUL	0830	139	1015.5	999.6	+0.7	21.0	16.7	13.5	15.5	62	- 6	0.0	-2.4	2.4	0	0	21	00	0	2	0	0	0	18	1	7	0
	1730	139	1011.4	995.9	+1.0	31.1	20.7	14.0	16.0	36	2	0.5	-1.6	2.3	0	0	21	01	1	2	1	2	1	12	1	7	0
CHANDBALI	0830	6	1014.4	1013.7	-0.5	22.6	19.8	18.1	20.8	77	1	0.4	-1.5	6.9	0	0	24	07	0	0	0	5	6	3	5	4	0
	1730	6	1010.7	1010.0	-0.8	27.3	21.0	17.3	19.7	52	- 6	0.1	-1.4	6.8	0	0	27	01	1	1	20	0	1	3	0	1	0
BOLANGIR	0830	190	1013.9	992.1	-0.6	23.3	19.0	16.3	18.5	64	0	0.2	-2.1	2.9	0	0	27	02	1	0	0	19	4	1	0	1	0
	1730	190	1009.1	988.1	-1.6	32.0	24.0	19.9	23.2	49	5	0.4	-2.3	1.7	0	0	17	03	2	0	0	6	0	6	0	11	0
PHULBANI	0830	464	1012.0	959.1	..	17.4	13.4	10.2	12.4	63	..	0.0	..	0.1	0	0	1	00	0	0	0	0	0	1	0	27	0
	1730	464	1006.1	955.3	..	28.6	17.0	8.3	10.9	28	..	0.0	..	0.3	0	0	4	00	0	0	1	0	0	2	1	24	0
CUTTACK	0830	27	1014.6	1011.5	-0.2	21.4	16.9	17.3	19.7	79	3	0.3	-1.9	2.3	0	0	22	04	1	0	4	1	2	6	4	6	0
	1730	27	1010.0	1007.0	-0.7	32.3	22.5	16.9	19.3	40	- 3	0.2	-1.9	3.4	0	0	22	00	1	1	4	4	4	6	2	6	0
TITLAGARH	0830	211	1013.7	989.6	-0.5	23.0	16.8	12.1	14.1	50	- 8	0.0	-1.3	0.3	0	0	4	00	0	0	2	0	2	0	0	24	0
	1730	211	1009.1	985.9	+0.0	32.3	23.0	17.8	20.4	43	9	0.0	-1.4	0.4	0	0	6	00	5	0	0	0	1	0	0	22	0
BHUBANESWAR	0230	46	1011.0	1005.7	..	20.2	18.9	16.1	20.8	88	..	0.3	..	6.3	0	0	25	02	0	0	0	2	16	4	1	3	0
	0530	46	1011.4	1006.1	..	18.9	17.9	17.2	19.6	90	..	0.8	..	4.4	0	0	20	01	2	0	1	1	10	4	1	8	0
	0830	46	1013.8	1008.6	-0.4	22.7	19.1	16.8	19.1	71	3	1.2	-0.9	5.8	0	0	21	03	3	0	0	0	6	3	16	7	0
	1130	46	1013.3	1008.2	..	29.9	20.0	13.3	15.3	38	..	0.3	..	8.6	0	1	26	03	5	1	1	3	6	7	1	1	0
	1430	46	1009.9	1004.9	..	32.7	19.4	9.3	11.7	24	..	0.5	..	11.6	0	2	25	00	5	2	0	4	4	9	3	1	0
	1730	46	1009.9	1004.8	-0.6	28.6	20.5	15.4	17.5	46	- 2	0.3	-1.7	14.1	0	5	22	02	1	1	3	7	3	3	2	1	0
	2030	46	1012.3	1007.1	..	23.8	21.2	19.8	23.1	79	..	0.3	..	9.6	0	0	26	00	1	0	1	6	14	0	2	2	0
	2330	46	1012.4	1007.2	..	22.0	20.5	19.5	22.7	87	..	0.1	..	8.9	0	0	26	00	1	0	1	6	16	2	0	2	0
PURI	0830	6	1013.7	1013.0	-1.0	25.0	21.5	19.6	22.8	73	0	0.2	-1.7	6.4	0	2	21	09	0	0	1	2	7	1	3	5	0
	1730	6	1010.1	1009.4	-1.2	26.3	22.9	21.2	25.2	73	1	0.1	-2.0	14.5	0	4	24	01	0	0	4	17	6	0	0	0	0
GOPALPUR	0530	17	1011.4	1009.4	..	19.7	17.7	16.4	18.6	82	..	0.3	..	7.9	0	0	25	16	1	0	0	1	0	1	6	3	0
	0830	17	1013.9	1011.9	-0.7	22.2	18.8	16.7	19.0	71	- 1	0.4	-1.4	6.6	0	0	21	09	2	0	0	0	2	1	7	7	0
	1130	17	1013.7	1011.7	..	28.3	21.9	18.3	21.0	54	..	0.4	..	10.8	0	0	28	01	2	0	8	8	8	0	1	0	0
	1730	17	1010.3	1008.4	-0.8	26.6	23.1	21.4	25.5	73	- 1	0.6	-1.4	15.5	0	0	28	00	0	0	4	14	6	2	0	0	0
	2330	17	1012.7	1010.7	..	23.2	21.1	19.9	23.2	82	..	0.4	..	11.5	0	6	18	00	0	0	1	3	17	1	2	4	0
KORAPUT	0830	913	1522.0	913.4	-0.1	16.5	12.0	8.1	10.1	59	- 3	4.6	3.5	4.9	0	0	28	00	0	0	7	18	3	0	0	0	0
	1730	913	1514.8	910.2	-0.4	26.6	14.9	4.5	8.4	24	-11	4.1[d]	2.1	6.2[d]	0	0	27	03	0	0	13	11	0	0	0	0	0
BIHAR PLATEAU																											
DUMKA	0830	149	1014.1	996.9	-0.8	19.7	13.4	7.4	10.3	46	-12	0.3	-1.2	1.9	0	0	10	00	0	1	1	0	3	3	2	16	0
	1730	149	1009.9	993.2	-0.8	27.6	18.1	10.9	13.0	36	- 6	0.1	-1.5	1.6	0	0	8	00	1	0	2	1	0	1	3	20	0
DALTONGANJ	0830	221	1014.8	989.3	-0.5	20.2	12.7	4.9	8.7	38	-33	0.1	-1.8	2.7	0	0	24	00	11	0	3	0	7	0	3	4	0
	1730	221	1009.1	984.4	-1.4	28.1	16.1	4.8	8.6	23	-15	0.2	-1.9	4.7	0	0	27	00	1	0	0	0	6	0	20	1	0
HAZARIBAGH	0830	611	1013.7	944.8	-0.7	19.4	11.1	2.3	7.2	32	-23	0.4	-1.3	6.6	0	0	22	01	0	0	0	1	6	2	12	6	0
	1730	611	1008.8	941.6	-1.2	25.3	12.7	- 0.9	5.7	17	-23	0.1	-1.8	13.5	0	4	24	06	1	0	0	0	0	2	19	0	0
DHANBAD	0830	257	1013.3	983.8	-1.5	22.0	14.4	7.4	10.3	39	-15	0.0	-1.2	3.3	0	0	18	01	0	0	0	0	1	15	1	10	0
	1730	257	1008.4	979.8	..	28.5	17.1	7.4	10.3	27	..	0.1	..	2.2	0	0	12	00	0	0	0	0	0	11	1	16	0
RANCHI	0830	655	1017.7	943.1	+2.5	16.8	11.5	6.5	9.7	51	- 4	0.2	-1.4	1.5	0	0	20	01	1	0	1	0	0	3	14	8	0
	1730	655	1014.1	940.2	+2.3	18.4	12.7	7.7	10.5	50	9	0.3	-1.5	1.5	0	0	21	01	0	1	0	0	0	5	14	7	0
RANCHI AERODROME	0530	652	1012.0	937.9	..	15.1	8.9	1.7	6.9	41	..	0.0	..	7.8	0	4	12	01	0	0	0	0	0	5	10	12	0
	0830	652	1013.2	940.1	-1.1	19.8	11.1	1.7	6.9	31	-20	0.1	-1.6	10.3	0	5	14	01	0	0	0	1	2	6	9	9	0
	1130	652	1011.2	939.7	..	25.0	13.1	- 0.7	5.8	17	..	0.1	..	20.5	0	12	12	03	0	0	0	0	2	6	13	4	0
	1430	652	1007.6	936.8	..	28.0	13.8	- 1.5	5.4	14	..	0.3	..	29.7	0	21	7	02	0	0	0	0	1	9	16	0	0
	1730	652	1007.8	936.7	-1.5	26.9	13.3	- 1.6	5.4	15	-24	0.4	-1.5	19.3	0	10	18	05	0	0	1	0	0	4	18	0	0
	2030	652	1011.5	938.9	..	20.9	11.6	1.7	5.3	28	..	0.1	..	7.7	0	0	18	01	0	0	0	0	0	7	10	10	0
JAMSHEDPUR	0830	129	1013.8	998.7	-1.5	18.2	13.3	8.6	11.2	55	-12	1.5	-0.2	1.0	0	0	11	00	0	0	1	0	0	6	4	17	0
	1730	129	1008.8	994.4	-1.2	29.5	21.1	16.0	18.2	47	13	0.5	-1.0	2.1	0	0	18	03	1	1	2	1	0	5	5	16	0
JAMSHEDPUR P.R.O.	0530	142	1012.0	995.3	..	14.4	11.9	9.6	11.9	73	..	0.2	..	2.2	0	0	12	00	0	0	0	0	1	1	10	18	0
	0830	142	1014.2	997.7	-0.8	19.3	13.9	9.0	11.5	52	-10	0.2	-1.2	3.6	0	0	24	00	0	1	0	1	4	6	12	4	0
	1130	142	1012.7	996.7	..	27.5	17.1	8.2	11.2	30	..	0.1	..	5.9	0	0	26	03	0	1	2	0	5	5	10	7	0
	1430	142	1008.8	993.0	..	30.8	18.1	7.6	10.4	23	..	0.3	..	7.1	0	0	26	01	2	0	1	1	7	4	10	2	0
	1730	142	1008.6	992.7	-1.5	28.9	17.8	8.9	11.4	29	- 8	0.5	-1.5	3.6	0	0	20	01	1	2	1	1	4	2	8	8	0
	2030	142	1011.3	995.0	..	21.8	15.9	11.2	13.3	53	..	0.1	..	1.7	0	0	10	01	2	3	0	0	2	0	2	18	0
	2330	142	1012.1	995.6	..	18.5	14.6	11.4	13.5	64	..	0.1	..	1.2	0	0	7	01	0	2	0	0	1	0	3	21	0
CHAIBASA	0830	226	1014.2	988.0	-0.9	19.5	13.9	8.8	11.3	51	-16	0.0	-2.1	0.9	0	0	12	00	0	0	0	0	12	0	0	16	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mb. At station level	Mean pressure in mb. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Cloud Amount (Oktas) Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BIHAR PLATEAU(CONTD.)																											
CHAIBASA. (CONTD)	1730	226	1009.0	983.8	-1.1	29.3	16.9	5.8	9.2	23	-16	0.2	-2.1	0.9	0	0	11	00	0	0	0	0	8	0	3	17	0
BIHAR PLAINS																											
MOTIHARI	0830	66	1013.5	1005.7	-0.9	15.8	12.8	10.1	12.3	70	- 6	0.5	-1.5	3.0	0	0	24	01	5	6	1	1	3	6	1	3	0
	1730	66	1009.1	1001.5	-1.7	24.8	17.6	12.3	14.3	48	- 6	0.4	-1.0	4.2	0	1	18	05	0	2	0	0	0	8	4	7	0
FORBESGANJ	0830	61	1013.2	1006.1	-1.2	16.9	13.9	11.4	13.5	69	- 8	0.1	-1.3	2.5	0	0	23	00	4	13	1	0	0	5	0	5	0
	1730	61	1006.8	1001.8	-1.8	24.3	17.3	12.0	14.0	47	- 5	0.5	-0.9	1.6	0	0	12	00	0	1	0	0	1	9	1	16	0
DARBHANGA	0830	49	1013.8	1008.1	-1.0	19.8	15.3	11.7	13.7	57	-18	0.2	-1.7	1.1	0	0	12	00	3	1	0	2	3	3	0	16	0
	1730	49	1010.2	1004.4	-1.2	25.5	18.8	14.3	16.3	52	2	0.5	-1.2	0.7	0	0	3	00	1	1	0	0	1	0	0	25	0
MUZAFFARPUR	0830		..	..	..	18.3	13.8	9.8	12.1	57	..	0.5	..	3.6	0	0	25	02	2	3	2	2	6	7	1	3	0
	1730		..	..	..	24.0	16.8	11.2	13.3	45	..	0.3	..	2.4	0	0	16	01	1	0	0	0	2	9	3	12	0
CHAPRA	0830	58	1013.2	1006.5	..	16.8	12.1	7.5	10.4	55	..	0.2	..	2.6	0	0	26	00	1	1	0	0	20	0	4	2	0
	1730	58	1009.7	1003.3	..	26.3	16.5	8.1	10.8	32	..	0.2	..	3.4	0	0	21	00	0	0	0	0	15	1	5	7	0
PURNEA	0830	38	1013.8	1009.4	-1.0	18.2	14.1	10.6	12.8	61	-11	0.3	-1.4	1.2	0	0	15	02	1	4	0	0	0	8	0	13	0
	1730	38	1009.6	1005.2	-1.4	24.9	17.7	12.4	14.4	47	- 3	0.3	-1.7	1.1	0	0	9	00	0	0	0	0	2	7	0	19	0
PATNA	0830	53	1013.4	1007.3	-1.4	17.5	12.7	8.1	10.8	54	- 8	0.6	-1.3	6.6	0	1	25	01	4	0	2	3	9	7	0	2	0
	1730	53	1009.3	1003.4	-1.8	26.2	16.2	7.4	10.3	30	-13	0.7	-1.0	7.1	0	1	24	00	0	0	0	4	3	17	1	3	0
PATNA AERODROME	0530	60	1010.8	1003.7	..	13.0	10.4	7.7	10.5	70	..	0.4	..	2.9	0	0	11	00	0	0	0	3	4	4	0	17	0
	0830	60	1013.1	1006.1	-1.0	17.7	12.6	7.7	10.5	52	-13	0.7	-0.7	7.8	0	1	20	01	0	1	2	3	3	10	1	7	0
	1130	60	1012.6	1005.8	..	25.8	16.0	7.8	10.2	31	..	0.4	..	10.8	0	5	21	01	2	1	1	3	2	12	3	2	1
	1430	60	1009.3	1002.5	..	28.5	16.6	5.9	9.3	24	..	0.5	..	14.5	0	7	21	01	1	0	1	0	1	16	7	0	1
	1730	60	1008.8	1002.1	-1.5	26.1	16.4	8.1	10.8	32	-11	0.6	-0.8	6.7	0	1	19	00	0	0	0	1	2	14	3	8	0
	2030	60	1010.9	1004.0	..	19.3	14.0	9.3	11.7	53	..	0.3	..	2.6	0	0	9	01	1	0	0	0	1	5	1	19	0
	2330	60	1011.6	1004.6	..	17.0	12.6	8.4	11.0	58	..	0.2	..	3.7	0	0	11	00	0	0	0	0	2	8	1	17	0
BHAGALPUR	0530	49	1011.2	1005.5	..	15.4	11.6	7.8	10.6	63	..	0.0	..	4.6	0	2	21	00	0	1	3	7	9	3	0	5	0
	0830	49	1013.5	1007.8	-1.1	18.8	13.4	8.4	11.0	52	- 9	0.3	-0.8	4.5	0	1	23	01	1	1	4	6	7	4	0	4	0
	1130	49	1013.1	1007.5	..	25.3	16.0	7.9	10.7	34	..	0.5	..	7.9	0	3	25	00	1	2	4	1	7	12	1	0	0
	1730	49	1009.1	1003.5	-1.6	24.7	16.2	9.1	11.6	37	-16	0.5	-0.8	5.9	0	1	25	01	1	3	1	0	2	15	3	2	0
	2330	49	1011.9	1006.2	..	18.5	13.7	9.1	11.9	56	..	0.1	..	4.1	0	1	22	00	0	2	3	9	3	4	1	5	1
SABAUR	0830	57	1013.5	1009.2	-1.2	18.2	13.3	8.8	11.3	55	-19	0.5	-1.3	3.6	0	1	21	00	0	2	3	1	6	8	2	6	0
	1730	57	1009.0	1004.8	-1.9	25.8	17.6	11.4	13.5	41	-13	0.4	-1.5	4.1	0	1	15	01	0	0	0	0	0	4	11	12	0
JAMUI	0830	82	1013.4	1003.6	-1.3	12.3	10.2	8.0	10.7	76	11	0.0	-1.3	4.0	0	0	28	00	0	27	1	0	0	0	0	0	0
	1730	82	1010.8	1001.1	-0.4	14.9	10.2	4.9	8.7	53	7	0.0	-1.3	4.0	0	0	28	00	0	26	0	0	0	2	0	0	0
DEHRI	0830	107	1013.3	1000.8	-1.5	19.7	13.4	7.4	10.3	46	-12	0.7	-0.6	2.9	0	0	25	00	0	0	1	5	11	5	3	3	0
	1730	107	1008.9	996.8	-1.5	27.5	16.5	6.8	9.9	27	- 8	0.6	-0.7	5.2	0	0	28	02	3	0	0	0	0	19	4	0	0
GAYA	0230	116	1012.1	998.5	..	15.5	10.2	4.1	8.2	48	..	0.0	..	5.2	0	2	20	00	0	0	4	10	5	3	0	6	0
	0530	116	1012.2	998.4	..	13.6	9.3	4.2	8.2	53	..	0.0	..	5.7	0	2	25	01	0	0	6	14	4	2	0	1	0
	0830	116	1014.0	1000.5	-1.0	18.9	12.5	6.0	9.4	44	-18	0.3	-1.2	5.7	0	1	22	00	0	0	1	0	11	2	0	5	0
	1130	116	1013.5	1000.4	..	27.2	16.3	6.5	9.7	27	..	0.3	..	15.6	0	9	18	01	2	1	0	0	3	14	6	1	0
	1430	116	1010.2	997.1	..	29.6	17.2	6.3	9.5	24	..	0.6	..	21.9	0	13	15	00	2	0	0	0	1	14	10	0	1
	1730	116	1009.7	996.6	-1.4	27.7	16.3	5.9	9.3	26	-11	0.3	-1.5	15.6	0	7	21	01	1	0	0	0	0	9	17	0	0
	2030	116	1011.9	998.5	..	21.2	13.8	6.7	9.8	39	..	0.1	..	6.3	0	1	23	04	2	0	1	2	4	9	2	4	0
	2330	116	1012.7	999.2	..	17.8	11.8	5.5	9.0	45	..	0.0	..	5.7	0	1	21	00	0	0	2	8	7	4	1	6	0
UTTAR PRADESH EAST																											
KHERI	0830	147	(R)																								
	1730	147	(R)																								
BAHRAICH	0830	124	1013.3	998.7	-1.1	14.8	11.6	8.5	11.1	66	- 8	1.0	-0.9	4.2	0	0	21	00	1	0	3	0	8	5	4	7	0
	1730	124	1009.6	995.4	-1.7	25.6	17.0	9.9	12.5	39	- 8	2.6	0.3	5.1	0	0	18	01	0	0	0	0	4	8	5	10	0
NAUTANWA	0830	99	1012.1	1000.4	-2.0	14.9	12.3	9.7	12.0	72	- 6	0.0	-1.1	..	0	0	18	01	5	3	2	1	4	0	3	9	0
	1730	99	1008.6	997.3	-2.0	25.0	17.2	10.7	12.9	43	- 5	0.7	-0.1	..	0	0	15	00	0	1	2	6	2	2	2	13	0
HARDOI	0830	142	1013.8	997.1	-0.2	16.0	12.0	8.4	11.0	61	-11	0.6	-0.9	4.7	0	0	24	03	0	2	0	1	2	16	0	4	0
	1730	142	1009.0	992.9	-1.6	25.2	16.8	9.7	12.0	39	- 2	0.6	-0.9	3.5	0	0	22	01	0	0	0	1	4	16	0	6	0
GONDA	0830	110	1013.6	100.8	-1.1	17.4	12.7	8.1	10.8	55	-18	0.3	-1.5	2.9	0	0	19	01	0	4	0	0	0	6	8	9	0
	1730	110	1009.7	997.3	-1.6	25.1	16.1	8.1	10.8	37	- 8	1.0	-1.0	2.2	0	0	15	00	0	0	0	0	0	6	9	13	0
LUCKNOW	0830	111	1012.8	999.6	-2.3	14.8	11.4	8.0	10.7	64	- 6	0.3	-1.4	1.7	0	0	18	00	0	0	0	0	0	18	0	10	0
	1730	111	1010.0	997.7	-1.4	26.8	16.3	6.6	9.7	29	-14	0.8	-1.2	2.3	0	0	15	00	0	0	0	0	0	15	0	13	0
LUCKNOW(AMAUSI)	0230	128	1011.8	996.7	..	12.1	9.2	6.0	9.3	67	..	0.1	..	6.5	0	0	27	05	2	1	0	0	1	12	6	1	0
	0530	128	1011.6	996.7	..	10.7	9.4	5.8	9.2	73	..	0.1	..	6.9	0	0	28	02	2	0	0	3	2	14	5	0	0
	0830	128	1013.6	998.6	-0.9	15.1	10.7	5.8	9.2	55	-12	0.8	-0.8	9.9	0	3	24	03	0	2	0	3	4	7	8	1	0
	1130	128	1013.5	999.0	..	24.0	14.4	3.3	7.7	33	..	0.7	..	15.6	0	11	16	01	0	0	1	0	4	7	14	1	0
	1430	128	1010.4	996.1	..	27.7	15.2	0.7	6.4	19	..	1.3	..	18.3	0	12	16	05	1	0	0	0	2	9	11	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mb.			Mean temperature in °C			Vapour pressure in mb.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gms. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	30 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																											
LUCKNOW(AMAUSI).(CONTD)	1730	128	1009.9	995.5	-1.2	25.7	15.1	4.2	8.2	26	-14	1.4	-0.7	10.5	0	3	25	02	1	0	0	0	1	9	15	0	0
	2030		1011.9	997.1	..	17.9	12.5	6.9	9.9	50	..	0.6	..	8.0	0	1	25	02	1	1	0	0	2	14	6	2	0
	2330		1012.5	997.5	..	14.4	10.3	6.4	9.6	60	..	0.3	..	7.4	0	1	26	02	3	1	0	0	2	14	5	1	0
FAIZABAD	0830	102	1013.2	1001.2	-2.1	15.6	11.7	7.6	10.4	60	-12	0.7	-0.8	2.1	0	0	14	00	1	0	0	1	0	10	2	14	0
	1730	102	1009.7	998.1	-2.0	24.9	16.2	8.6	11.2	37	-14	1.5	-0.2	3.2	0	0	15	01	0	0	0	0	0	14	0	13	0
GORAKHPUR	0830	77	1013.5	1004.4	-0.8	18.1	12.7	7.1	10.1	51	-19	0.3	-1.4	2.3	0	0	21	00	1	5	0	0	1	14	0	7	0
	1730	77	1009.5	1001.0	-1.1	26.8	16.2	6.3	9.5	28	-16	0.6	-1.2	2.4	0	0	22	02	0	0	0	0	0	18	1	6	0
GORKHPUR P.B.O.	0230	78	000.0	1001.4	.. ..	..	..	..	..	.	..	0.0	..	3.4	0	0	13	01	0	0	0	0	3	8	1	15	0
	0530	78	000.0	1001.3	.. ..	..	..	..	..	.	..	0.0	..	3.0	0	0	12	00	0	0	0	0	3	9	0	16	0
	1130	78	000.0	1004.0	.. ..	..	..	..	..	.	..	0.2	..	8.1	0	2	26	02	1	1	3	4	2	11	4	0	0
	1430	78	000.0	1000.9	.. ..	..	..	..	..	.	..	0.5	..	8.3	0	2	25	00	0	0	3	5	1	16	2	1	0
	2030	78	000.0	1001.9	.. ..	..	..	..	..	.	..	0.3	..	3.9	0	0	16	00	1	0	0	2	2	10	1	12	0
	2330	78	000.0	1002.9	.. ..	..	..	..	..	.	..	0.2	..	3.1	0	0	11	00	0	0	0	1	0	9	1	17	0
KANPUR	0830	126	1013.7	998.7	-1.6	14.6	10.7	6.4	9.6	59	-10	0.2	-1.4	5.1	0	0	18	01	2	1	0	0	0	11	3	10	0
	1730	126	1010.3	996.0	-1.6	27.4	16.3	6.5	9.7	27	-10	0.6	-1.3	7.6	0	0	24	02	0	0	0	0	0	18	4	4	0
KANPUR (AERODROME)	0530	126	1012.1	997.2	..	12.1	8.9	5.0	8.7	62	..	0.4	..	4.0	0	1	10	00	0	0	0	0	10	7	3	17	0
	0830	126	1014.1	999.3	..	15.9	10.9	5.2	8.8	50	..	0.8	..	7.5	0	1	19	01	1	0	0	2	4	10	2	8	0
	1130	126	1014.2	999.8	..	25.6	14.6	2.6	7.4	24	..	0.9	..	5.6	0	9	18	01	3	2	0	5	2	8	6	1	0
	1730	126	1010.3	996.1	..	26.8	15.0	2.4	7.3	22	..	1.6	..	12.5	0	5	21	00	1	2	0	0	0	18	5	2	0
	2330	126	1012.9	998.1	..	16.3	11.2	5.5	9.0	49	..	0.4	..	2.3	0	0	10	01	0	0	0	0	1	7	1	18	0
SULTANPUR	0830	97	1014.8	1003.3	-1.2	14.9	11.2	7.7	10.5	62	- 3	0.3	-1.0	2.5	0	0	19	00	0	0	0	0	4	14	1	9	0
	1730	97	1010.4	999.4	-1.7	27.3	16.3	5.8	9.2	26	-15	1.0	-0.3	3.1	0	0	17	00	0	0	0	0	0	13	4	11	0
AZAMGARH	0830	781	1013.7	1004.6	-0.2	16.1	14.0	12.4	14.4	79	7	0.1	-0.9	4.4	0	0	23	01	2	0	0	1	4	15	0	5	0
	1730	781	1009.7	1000.8	-1.0	25.9	21.2	18.6	21.4	64	12	0.1	-0.8	2.9	0	0	13	00	0	0	0	0	0	12	1	15	0
FATEHPUR	0830	114	1014.3	1000.9	-0.9	16.2	11.4	6.4	9.6	52	-15	0.3	-1.6	5.4	0	1	15	01	0	0	0	1	4	9	1	5	0
	1730	114	1010.3	997.3	-1.1	27.0	16.2	6.5	9.7	27	-14	0.3	-1.6	7.5	0	2	13	01	0	0	0	0	0	10	4	5	0
BALLIA	0830	64	1014.3	1006.8	-0.2	17.1	13.6	10.5	12.7	67	0	0.2	-1.0	1.5	0	0	16	00	1	1	1	0	1	10	2	12	0
	1730	64	1010.3	1003.0	-1.3	26.7	19.7	14.4	16.4	52	11	0.4	-0.9	1.3	0	0	11	00	0	0	0	0	0	10	1	17	0
BANDA	0830	121	1015.2	1000.9	-0.3	18.3	12.1	5.6	9.1	44	-18	0.4	-0.6	2.0	0	0	26	00	0	0	0	0	9	0	17	2	0
	1730	121	1010.2	996.5	-1.3	28.6	19.0	11.1	13.2	36	- 5	0.5	-0.7	1.6	0	0	22	00	1	0	0	0	12	0	9	6	0
ALLAHABAD(BAMHRAULI)	0230	98	1012.1	1000.5	..	14.4	11.4	6.5	11.1	68	..	0.2	..	1.1	0	0	10	00	0	0	0	0	0	3	7	18	0
	0530	98	1012.2	1000.5	..	12.5	10.5	8.3	10.9	76	..	0.3	..	1.4	0	0	11	00	0	0	0	0	2	8	1	17	0
	0830	98	1014.4	1002.8	-0.8	16.4	12.7	9.2	11.6	63	- 4	0.5	-1.4	3.4	0	0	17	00	0	0	0	0	7	10	0	11	0
	1130	98	1014.2	1003.1	..	26.6	18.4	12.1	14.1	43	..	0.4	..	7.3	0	1	24	02	0	1	3	2	3	12	2	3	0
	1430	98	1010.9	999.9	..	29.7	20.0	12.6	14.6	37	..	0.8	..	6.0	0	2	26	04	0	0	0	1	0	19	4	0	0
	1730	98	1010.3	999.2	-1.2	27.6	19.4	13.5	15.5	43	6	0.7	-1.4	2.9	0	0	18	02	0	0	0	0	0	0	7	10	0
	2030	98	1012.2	1000.9	..	20.1	15.6	12.0	14.0	60	..	0.3	..	1.2	0	0	9	01	0	0	0	0	1	6	1	19	0
	2330	98	1012.9	1001.3	..	16.9	13.3	10.1	12.3	65	..	0.2	..	1.2	0	0	10	00	0	0	0	1	1	6	2	18	0
VARANASI (BABATPUR)	0530	85	1012.1	1001.6	..	12.2	9.7	7.1	10.1	72	..	0.3	..	3.7	0	0	15	00	0	0	0	0	8	7	0	13	0
	0830	85	1014.2	1004.1	-1.1	17.5	12.7	8.0	10.7	54	- 8	0.8	-0.4	7.6	0	0	25	00	1	0	0	0	15	7	1	3	1
	1130	85	1013.8	1003.9	..	26.0	16.6	8.6	11.2	34	..	0.4	..	10.6	0	3	19	00	0	1	1	1	1	17	1	6	0
	1730	85	1010.1	1000.3	-1.8	26.0	16.9	9.1	11.5	35	- 6	0.5	-1.0	7.4	0	1	24	00	0	0	0	0	0	19	5	3	1
	2330	85	1012.6	1002.5	..	16.0	12.1	8.3	10.9	61	..	0.2	..	3.9	0	0	16	00	0	0	0	0	1	13	2	12	0
VARANASI	0830	76	1013.9	1005.1	-0.8	17.1	12.3	8.0	10.7	53	-15	0.8	-1.0	3.1	0	0	18	01	0	0	0	0	3	12	2	10	0
	1730	76	1010.2	1001.6	-1.1	27.8	17.3	8.7	11.4	32	- 5	0.4	-1.4	3.7	0	0	22	00	0	0	0	0	1	12	9	6	0
UTTAR PRADESH WEST																											
MUKHIM	0830		..	..	..	10.6	5.3	2.0	5.2	45	- 6	3.9	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	11.4	5.7	1.6	5.3	43	- 9	3.4	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TEHRI	0830	770	..	..	..	10.0	7.9	5.6	9.1	78	- 3	2.8	0.5	0.6	0	0	7	02	2	2	0	1	0	0	0	21	0
	1130	770	..	..	..	17.7	11.0	4.1	9.2	42	..	3.0	..	1.6	0	0	18	02	6	0	0	2	4	1	2	10	1
	1730	770	..	..	..	22.0	12.5	2.2	7.2	30	-12	2.9	0.7	4.4	0	0	24	01	0	1	6	5	0	1	1	4	0
DEHRA DUN	0530	682	1012.8	934.1	..	11.2	6.6	5.2	9.2	71	..	2.1	..	0.7	0	0	7	01	0	0	0	0	1	4	1	21	0
	0830	682	1014.0	935.6	-1.0	13.0	9.8	6.6	9.7	66	- 5	2.6	-0.2	0.3	0	0	4	03	1	0	0	0	0	0	0	24	0
	1130	682	1013.2	936.7	..	20.3	14.3	9.5	11.9	51	..	2.8	..	1.9	0	0	17	00	0	0	1	5	7	4	0	11	0
	1730	682	1009.6	933.7	-1.3	21.9	15.3	10.3	12.5	48	1	2.8	-0.4	2.2	0	0	20	03	1	1	1	6	1	6	1	8	0
	2330	682	1013.7	935.7	..	14.1	10.9	7.8	10.6	67	..	1.9	..	0.9	0	0	11	03	2	0	3	0	1	1	1	17	0
MANSIARI	0830		..	..	..	8.0	2.4	6.6	3.5	35	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	8.8	3.7	3.4	4.6	42	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ROORKEE	0830	274	1015.8	983.5	+0.9	13.5	10.2	6.7	9.8	64	-14	1.9	-0.9	0.7	0	0	11	00	0	0	3	0	0	0	8	17	0
	1730	274	1011.8	980.7	+0.4	23.5	14.9	6.9	9.9	36	- 7	1.7	-1.3	1.2	0	0	13	00	0	0	1	0	0	0	12	15	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST(CONTD.)																											
NAJIBABAD	0830	270	1014.4	982.4	-0.9	11.4	9.3	7.0	10.0	75	- 7	2.3	0.7	1.6	0	0	16	02	1	3	1	0	0	8	1	12	0
	1730	270	1010.8	980.2	-1.6	23.7	15.0	6.7	9.8	34	- 9	2.4	0.9	3.4	0	0	21	01	0	1	3	0	0	16	0	7	0
MEERUT	0830	222	1013.6	987.5	-1.7	14.2	10.5	6.6	9.7	60	- 5	0.0	-1.0	3.0	0	0	13	00	0	0	0	0	0	10	3	15	0
BAREILLY	0830	173	1013.7	993.3	-0.9	14.7	11.8	9.0	11.5	69	- 4	1.4	-1.0	6.6	0	0	25	00	1	5	1	1	2	12	3	3	0
	1730	173	1010.0	990.3	-1.4	24.7	17.1	11.1	13.2	44	0	2.3	-0.3	5.0	0	0	24	00	0	1	0	0	3	18	2	4	0
BAREILLY P.B.O.	0230	172	..	991.2	.. ..	..	..	..	..	.	..	0.4	..	4.0	0	0	22	01	0	3	1	0	0	12	5	6	0
	0530	172	..	990.9	.. ..	..	..	..	..	.	..	0.5	..	4.1	0	0	20	00	0	4	0	0	0	12	4	8	0
	1130	172	..	994.1	.. ..	..	..	..	..	.	..	1.5	..	11.0	0	4	23	01	0	5	5	0	0	10	8	1	0
	1430	172	..	990.9	.. ..	..	..	..	..	.	..	1.9	..	10.9	0	6	20	00	1	1	2	1	0	9	12	2	0
	2030	172	..	991.9	.. ..	..	..	..	..	.	..	0.4	..	4.5	0	1	17	00	0	1	1	0	0	12	4	10	0
	2330	172	..	992.2	.. ..	..	..	..	..	.	..	0.5	..	4.3	0	0	21	01	1	3	0	0	0	13	3	7	0
ALIGARH	0830	187	1015.1	992.4	-0.7	13.2	9.8	6.0	9.3	62	- 5	1.6	-0.4	4.2	0	0	21	02	0	1	0	0	1	16	1	7	0
	1730	187	1011.4	989.6	-1.0	24.8	15.9	7.8	10.6	35	- 2	3.0	1.1	3.1	0	0	21	05	0	0	0	1	0	12	3	7	0
MAINPURI	0830	157	1014.8	996.2	-0.4	14.2	10.6	6.6	9.7	61	- 9	1.1	-1.1	2.3	0	0	20	00	0	4	1	1	0	14	0	8	0
	1730	157	1011.2	993.4	-0.5	25.9	16.5	8.3	10.9	34	- 6	1.4	-0.9	2.0	0	0	19	02	0	4	0	0	0	13	0	9	0
AGRA	0830	169	1015.1	995.1	-0.5	14.7	9.7	3.7	8.0	48	-16	0.5	-1.1	1.6	0	0	12	00	0	0	0	0	5	0	7	16	0
	1730	169	1011.5	992.4	-0.4	26.8	16.8	4.4	11.0	32	0	2.6	0.6	2.9	0	0	16	00	0	0	0	0	4	0	12	12	0
AGRA AERODROME	0230	169	1013.1	993.0	..	12.2	9.7	7.2	10.1	71	..	0.7	..	1.9	0	0	5	00	0	1	1	0	0	0	3	23	0
	0530	169	1013.2	992.9	..	10.5	8.3	5.7	9.1	73	..	0.4	..	3.9	0	0	13	03	0	0	1	1	0	3	5	15	0
	0830	169	1015.2	995.3	..	13.9	10.3	6.4	9.6	61	..	1.4	..	6.5	0	0	19	02	0	1	1	0	1	6	7	9	0
	1130	169	1014.9	995.7	..	25.0	15.3	6.2	9.5	31	..	1.9	..	11.9	0	3	22	04	1	0	1	1	2	5	11	3	0
	1730	169	1010.9	991.9	..	26.7	16.6	8.0	10.7	32	..	2.1	..	9.9	0	0	15	07	1	1	1	1	1	1	2	13	0
	2330	169	1013.5	993.7	..	15.2	11.8	8.3	10.9	63	..	0.6	..	2.6	0	0	8	02	1	1	1	1	0	1	1	20	0
ORAI	0830	141	1014.6	998.3	-1.0	21.7	14.8	8.5	11.1	43	-15	0.1	-1.2	3.1	0	0	27	03	6	0	2	1	1	0	14	1	0
	1730	141	1009.4	993.4	-2.5	27.3	18.1	10.8	12.9	36	- 2	0.5	-0.9	3.4	0	0	27	11	6	0	0	0	0	2	8	1	0
JHANSI	0830	251	1015.4	986.4	+0.0	18.7	11.7	3.6	7.9	37	-19	0.4	-1.0	0.6	0	0	7	01	0	1	0	0	0	5	0	21	0
	1730	251	1009.7	981.6	-1.5	29.4	16.4	4.0	8.1	21	- 7	0.5	-1.1	0.6	0	0	7	01	0	1	0	0	0	4	1	21	0
HARYANA(INCLUDING DELHI AND CHANDIGARH)																											
CHANDIGARH	0830	347	1012.8	972.0	-1.6	14.2	10.2	6.0	9.3	58	- 8	1.8	0.3	2.0	0	0	17	00	0	0	6	0	3	0	8	11	0
	1730	347	1010.1	970.5	-1.5	23.4	14.0	4.1	8.2	28	-15	2.3	1.3	4.2	0	0	21	00	0	0	2	0	16	1	2	7	0
AMBALA	0830	272	1013.8	982.2	-0.6	14.2	10.1	5.7	9.1	57	-16	2.0	-0.4	2.7	0	0	16	00	1	0	4	0	0	5	6	12	0
	1730	272	1011.7	980.6	-0.3	22.6	14.2	6.9	9.9	33	-11	0.7	-1.7	3.3	0	0	22	00	3	0	9	0	6	0	4	6	0
AMBALA P.B.O.	0230	278	1012.8	980.2	..	15.2	10.9	7.0	10.0	59	..	1.3	..	7.7	0	0	22	00	0	2	2	0	0	0	18	6	0
	0530	278	1012.2	979.5	..	13.3	9.6	6.1	9.4	63	..	1.4	..	7.4	0	0	22	00	0	1	4	0	0	0	17	6	0
	1130	278	1014.1	982.1	..	20.9	13.1	6.5	9.7	41	..	2.6	..	8.3	0	3	16	00	0	0	5	0	0	1	13	9	0
	1430	278	1011.4	979.8	..	23.8	13.6	5.9	9.3	32	..	2.7	..	11.1	0	4	22	00	0	0	6	3	1	2	14	2	0
	2030	278	1012.2	980.1	..	19.3	12.9	7.8	10.6	48	..	1.5	..	8.6	0	0	23	00	0	0	4	0	0	2	17	5	0
	2330	278	1012.9	980.6	..	17.3	11.9	7.4	10.3	53	..	1.6	..	9.6	0	1	23	00	0	2	4	0	1	0	17	4	0
AMBALA AERODROME	0530	274	1012.5	979.9	..	10.6	8.6	6.6	9.7	76	..	1.8	..	11.0	0	6	13	00	0	1	3	0	0	2	13	9	0
	0830	274	1014.0	981.6	..	12.6	9.7	6.1	9.4	61	..	3.2	..	11.0	0	5	15	02	0	0	4	0	1	0	13	8	0
	1130	274	1013.8	982.5	..	22.2	10.3	5.3	8.9	35	..	2.9	..	20.0	0	14	13	01	0	0	10	1	2	0	13	1	0
	1730	274	1010.5	979.3	..	23.3	14.0	5.2	8.8	32	..	3.2	..	23.2	0	15	13	00	0	1	3	1	2	7	13	0	1
	2330	274	1013.0	981.0	..	15.7	11.3	6.5	9.7	56	..	1.9	..	16.6	0	10	11	01	0	0	4	0	0	2	13	7	1
KARNAL	0830	249	1014.9	985.5	+0.1	14.2	10.6	6.8	9.9	67	- 6	1.9	-0.3	1.9	0	0	27	00	0	0	1	0	0	0	26	1	0
	1730	249	1009.9	982.2	-1.4	23.2	15.3	7.8	10.6	38	0	2.2	0.0	1.3	0	1	19	00	0	0	0	0	0	0	20	8	0
HISSAR	0530	221	1013.1	986.4	..	11.5	9.5	7.2	10.1	75	..	0.6	..	2.2	0	0	16	01	1	3	1	2	1	6	1	12	0
	0830	221	1015.1	988.8	-0.6	12.0	9.8	7.3	11.7	74	4	2.6	0.7	2.1	0	0	17	00	0	2	3	0	6	0	6	11	0
	1130	221	1014.9	989.6	..	22.8	16.7	11.8	13.8	51	..	2.2	..	3.9	0	0	15	02	0	2	1	0	2	3	5	13	0
	1430	221	1011.9	986.9	..	26.8	18.6	12.6	14.6	42	..	1.9	..	5.1	0	1	20	02	0	1	1	1	1	6	9	7	0
	1730	221	1011.1	986.2	-1.1	25.9	18.1	12.1	14.1	43	6	2.0	0.1	0.3	0	0	22	02	2	2	1	0	1	5	9	6	0
	2330	221	1013.7	987.8	..	15.9	12.4	9.1	11.5	63	..	1.0	..	3.5	0	0	19	03	2	2	2	1	3	1	5	9	0
NEW DELHI/SAFDARJUNG	0230	216	1013.0	987.5	..	14.0	10.6	6.8	9.9	63	..	0.8	..	7.3	0	1	21	01	0	0	4	0	0	7	10	6	0
	0530	216	1012.7	987.1	..	12.7	9.5	5.5	9.0	64	..	1.5	..	7.5	0	1	22	01	0	2	0	0	2	10	8	5	0
	0830	216	1014.7	989.1	-0.6	13.4	9.9	5.8	9.2	61	2	2.0	-0.5	9.6	0	3	17	01	1	0	1	0	2	12	3	8	0
	1130	216	1014.6	989.7	..	22.8	14.7	7.0	10.0	37	..	2.1	..	16.5	0	11	16	00	1	2	1	2	5	8	10	1	0
	1430	216	1011.6	987.1	..	26.3	16.1	6.6	9.7	29	..	2.1	..	18.7	0	11	17	01	1	2	0	2	1	7	14	0	0
	1730	216	1010.7	986.2	-1.1	25.7	15.9	7.0	10.0	31	3	2.3	-0.3	14.2	0	7	21	01	2	5	0	1	0	7	14	0	0
	2030	216	1012.5	987.4	..	19.3	13.6	8.2	10.9	49	..	1.1	..	7.6	0	2	18	01	0	4	1	0	0	6	8	8	0
	2330	216	1013.5	988.1	..	16.9	12.3	7.5	10.4	55	..	0.8	..	9.7	0	3	22	01	0	3	2	1	1	4	13	3	0
PALAM AERODROME	0230	233	1013.4	985.9	..	12.5	8.7	4.1	8.2	57	..	0.9	..	8.5	0	0	26	04	1	0	5	2	5	6	3	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - FEBRUARY 1967 (MAGHA 18 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			All mean sea level or lat. in gpm. of mean standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point				Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HARYANA(INCLUDING DELHI AND CHANDIGARH) (CONTD.)																												
PALAM AERODROME. (CONTD).	0530	233	1013.2	985.4	..	10.6	7.7	4.0	8.1	65	..	1.1	..	8.5	0	0	25	01	0	1	3	1	6	7	6	3	0
	0830	233	1015.0	987.4	..	12.6	8.7	3.8	8.0	56	..	2.1	..	8.9	0	1	24	00	0	1	2	0	7	12	5	3	0
	1130	233	1015.1	988.3	..	22.5	13.2	2.7	7.4	28	..	2.5	..	16.4	0	9	19	08	0	0	3	2	2	3	10	0	0
	1430	233	1011.8	985.5	..	26.4	14.4	0.6	6.4	20	..	2.4	..	18.0	0	12	16	09	1	1	0	3	1	2	11	0	0
	1730		1011.0	984.6	..	25.4	14.3	2.0	7.0	23	..	2.4	..	14.2	0	6	20	08	2	2	3	0	0	0	11	2	0
	2030		1012.8	985.9	..	18.7	12.2	5.0	8.7	42	..	1.0	..	9.5	0	1	23	05	0	4	3	2	1	2	7	4	0
	2330		1013.7	986.5	..	15.9	10.7	4.9	8.7	49	..	0.7	..	10.5	0	3	22	07	1	2	5	1	2	4	3	3	0
PUNJAB																												
PATHANKOT	0530	312	1013.4	976.4	..	11.3	9.2	5.9	9.3	71	..	3.0	..	5.9	0	1	14	02	9	3	1	0	0	0	0	13	0
	0830	312	1014.7	978.3	-0.3	12.8	9.7	6.1	9.4	65	- 9	3.9	0.6	7.1	0	2	15	02	8	4	1	1	0	1	0	11	0
	1130	312	1014.6	979.1	..	21.0	13.5	5.6	9.1	38	..	4.3	..	9.9	0	1	22	02	3	1	1	6	5	3	2	5	0
	1730	312	1011.3	975.8	-1.7	22.3	13.9	4.5	8.4	33	-13	4.6	0.5	12.7	0	4	22	01	2	1	1	3	2	15	1	2	0
	2330	312	1014.3	977.6	..	13.8	10.6	7.3	10.2	66	..	3.5	..	7.3	0	2	14	01	8	5	1	0	0	1	0	12	0
AMRITSAR	0530	234	1013.5	985.5	..	9.4	7.9	6.1	9.4	80	..	2.9	..	6.9	0	1	16	00	1	3	1	0	1	7	4	11	0
	0830	234	1015.1	987.1	-0.6	10.8	8.7	6.4	9.6	75	- 9	4.0	1.3	8.4	0	1	20	00	4	3	2	0	1	6	5	7	0
	1130	234	1015.2	988.2	..	19.8	13.4	7.0	10.0	46	..	3.5	..	12.1	0	5	20	03	2	2	5	0	1	4	8	3	0
	1430	234	1012.6	985.9	..	23.7	14.4	4.6	8.5	31	..	3.3	..	17.6	0	13	14	02	2	3	1	1	3	6	9	1	0
	1730	234	1011.8	985.0	-0.9	22.0	14.3	6.6	9.7	38	- 7	4.1	1.4	15.1	0	9	19	00	0	3	3	0	1	12	9	0	0
	2030	234	1013.4	985.9	..	15.0	11.5	7.8	10.6	63	..	3.5	..	8.7	0	5	14	01	3	2	0	0	2	7	4	9	0
ADAMPUR AERODROME	0830	249	1014.9	985.3	..	10.2	9.1	7.9	10.7	86	..	3.4	..	3.4	0	0	10	03	2	2	1	1	0	1	0	18	0
	1730	249	1011.8	983.4	..	21.6	14.8	8.6	11.2	45	..	3.8	..	11.0	0	0	26	01	1	1	2	3	0	4	14	2	0
LUDHIANA	0830	247	1014.8	985.6	-0.6	12.5	9.8	6.9	9.9	69	- 9	2.7	0.0	2.1	0	0	16	02	1	1	4	0	0	0	8	12	0
	1730	247	1011.1	983.1	-1.4	23.9	15.2	7.3	10.2	37	- 7	2.3	-0.3	5.1	0	0	25	04	1	1	2	1	2	0	14	3	0
FEROZEPUR	0830	200	1015.1	991.2	-0.1	12.2	9.7	6.9	9.9	71	- 9	2.8	0.7	2.0	0	0	19	04	3	0	2	3	0	4	3	9	0
	1730	200	1011.8	988.9	-1.0	22.8	14.8	6.3	9.5	37	- 6	2.7	0.8	4.0	0	0	26	07	1	0	2	2	0	5	9	2	0
HALWARA AERODROME	0530	242	1013.7	984.5	..	8.5	7.2	5.6	9.1	82	..	2.1	..	7.3	0	1	20	06	1	3	2	0	1	1	7	7	0
	0830	242	1014.9	986.1	..	11.2	9.4	7.6	10.4	76	..	3.3	..	6.5	0	1	17	03	0	3	1	2	0	2	7	10	0
	1130	242	1014.7	986.9	..	21.2	13.7	6.0	9.3	39	..	2.9	..	16.6	0	7	20	03	0	4	3	3	0	3	11	1	0
	1730	242	1011.4	983.9	..	22.5	14.7	7.2	10.1	38	..	3.0	..	13.1	0	1	26	05	0	3	2	1	1	4	10	1	0
	2330	242	1014.1	985.5	..	12.2	9.8	7.3	10.2	73	..	2.[illegible]	..	8.5	0	0	22	02	2	3	2	0	2	2	9	6	0
PATIALA	0830	251	1014.9	985.3	-0.2	13.4	11.2	6.7	9.8	64	- 5	3.0	0.4	6.3	0	0	15	05	0	0	3	0	0	0	7	13	0
	1730	251	1011.7	983.2	-0.4	23.3	14.6	6.4	9.6	35	- 6	2.3	0.0	10.0	0	5	14	03	0	0	3	0	0	1	12	9	0
BHATINDA	0830	211	1014.8	990.0	..	15.8	11.5	7.2	10.2	54	-15	1.9	0.5	2.4	0	0	17	00	2	0	3	0	2	0	10	11	0
	1730	211	1012.6	987.2	..	23.7	16.1	9.5	11.9	41	- 5	0.6	-0.8	2.3	0	0	22	00	2	0	4	0	0	0	16	6	0
HIMACHAL PRADESH																												
MANDI	0830	761	1018.9	930.3	+1.6	7.1	6.1	4.9	8.7	86	- 3	1.9	-1.3	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
	1730	761	1010.0	926.2	+0.7	21.1	13.5	6.2	9.5	42	- 7	3.1	0.2	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
BILASPUR	0830	587	1016.4	947.9	-0.7	10.4	8.6	6.7	9.8	78	-11	2.6	-1.9	0.4	0	0	3	00	0	1	1	0	0	1	0	25	0
	1730	587	1010.6	945.1	-0.6	22.3	14.5	7.9	10.6	41	- 1	3.1	-0.2	2.2	0	0	16	00	4	1	2	0	1	4	4	12	0
JAMMU AND KASHMIR																												
MISGAR	0830		(R)																									
	1730		(R)																									
GILGIT	0830		(R)																									
	1730		(R)																									
SKARDU	0830		(R)																									
	1730		(R)																									
LEH	0530		(R)																									
	0830		..	..	..	-4.7	..	..	..	..	..	4.8	0.0	5.9	0	0	28	00	4	0	0	0	23	1	0	0	0
	1730	3514	..	..	..	-2.8	..	..	..	..	..	4.3	-0.3	6.6	0	0	28	00	1	0	0	0	25	2	0	0	0
SRINAGAR	0830	1587	1529.7	844.1	-0.1	2.6	1.9	1.0	6.5	90	3	6.1	-0.2	2.7	0	0	20	02	0	0	4	0	0	5	9	8	0
	1130	1587	1537.7	845.1	..	6.0	4.1	1.8	6.9	72	..	5.8	..	3.1	0	0	25	02	2	0	0	1	4	6	10	3	0
	1430	1587	1519.5	843.2	..	7.8	4.9	1.3	6.7	66	..	5.8	..	3.7	0	0	28	04	1	0	2	1	1	5	14	0	0
	1730	1587	1510.4	842.3	+0.1	7.1	4.4	1.2	6.7	68	- 1	5.6	0.0	4.8	0	0	28	01	2	0	0	1	2	4	18	0	0
	2030	1587	1519.4	843.2	..	5.0	3.6	2.2	7.2	82	..	4.2	..	3.1	0	0	18	00	0	0	7	1	2	1	7	10	0
SRINAGAR AERODROME	0530	1666	1516.6	834.9	..	2.1	1.1	0.1	6.0	86	..	6.1	..	2.6	0	0	8	01	0	0	1	3	1	0	2	20	0
	0830	1666	1528.6	836.2	..	2.3	1.5	0.6	6.4	88	..	6.0	..	1.8	0	0	9	03	0	0	0	0	1	2	3	19	0
	1130	1666	1537.4	837.2	..	5.3	3.5	1.4	6.8	77	..	5.4	..	5.2	0	0	18	01	2	1	0	1	0	2	11	10	0
	1730	1666	1511.6	834.6	..	6.9	4.5	1.7	6.9	72	..	5.7	..	5.3	0	0	19	01	1	0	0	0	0	1	16	9	0
	2330	1666	1524.1	835.7	..	3.1	1.9	0.5	6.3	83	..	4.8	..	2.9	0	0	12	03	0	1	0	0	0	3	5	16	0
GULMARG	0830	2655	Functions only from June to September																									
	1730																											
QAZIGUND	0830	..	..	..	..	2.9	1.8	0.3	6.2	84	..	6.6	..	5.2	1	1	8	01	1	1	6	0	0	1	0	18	0
	1730	..	..	..	..	7.7	4.8	1.3	6.7	66	..	5.9	..	5.0	0	2	20	0	3	2	2	2	4	[illegible]	2	7	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gms. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD.)																											
BANIHAL	0830	1630	..	..	..	5.7	3.0	-0.7	5.8	65	..	4.5	..	10.2	0	4	14	00	0	0	0	1	0	0	17	10	0
	1730	1630	..	..	..	9.7	5.4	0.0	6.1	55	..	5.2	..	9.1	0	2	18	00	0	0	0	8	0	0	12	8	0
JAMMU	0830	366	1014.3	971.4	..	14.1	10.3	6.2	9.5	60	- 4	3.6	0.3	8.3	0	0	27	01	23	0	0	2	0	0	0	1	1
	1730	366	..	..	..	22.8	15.1	8.0	10.7	41	..	3.3	..	1.1	0	0	3	00	2	0	0	1	0	0	0	25	0
JAMMU AERODROME	0530	292	1013.6	979.0	..	12.7	9.2	5.3	8.9	62	..	3.3	..	5.1	0	0	14	02	6	1	1	0	0	0	2	14	0
	0830	292	1014.8	980.2	..	13.3	9.5	5.1	8.8	60	..	3.9	..	6.5	0	0	19	04	12	2	0	1	0	0	0	9	0
	1130	292	1015.0	981.3	..	20.4	13.7	6.9	9.9	44	..	4.2	..	5.4	0	0	16	03	6	2	1	1	1	2	0	12	0
	1730	292	1011.8	978.3	..	22.1	14.3	6.6	9.8	39	..	4.7	..	7.1	0	1	19	01	3	0	0	6	0	10	0	8	0
	2330	292	1014.3	979.9	..	15.0	11.0	6.7	9.8	59	..	3.2	..	2.8	0	0	7	00	4	2	0	1	0	0	0	21	0
GULMARG (RESEARCH INSTITUTE)	0830		..	..	..	- 4.6	..	..	..	..	..	5.9	..	..	.	..	..	00	1	4	2	0	0	17	4	0	0
	1130		..	..	..	- 0.8	..	..	..	..	..	5.6	..	..	.	..	..	00	2	10	0	3	0	9	2	0	1
	1730		..	..	..	- 0.6	..	..	..	..	..	5.8	..	..	.	..	..	00	1	10	3	0	0	11	3	0	0
RAJASTHAN, WEST																											
GANGANAGAR	0530	177	1012.9	991.8	..	11.4	8.6	5.3	8.9	66	..	0.3	..	0.4	0	0	4	00	3	0	1	0	0	0	0	24	0
	0830	177	1014.8	993.6	-0.9	11.9	8.7	4.8	8.6	65	-11	2.6	0.3	1.9	0	0	13	01	3	2	2	1	1	1	2	15	0
	1130	177	1014.9	994.5	..	22.5	13.7	4.1	8.2	32	..	2.1	..	3.7	0	0	25	02	4	2	7	2	3	2	3	3	0
	1730	177	1011.5	991.3	-1.0	25.6	14.8	3.2	7.7	27	-10	1.9	-0.2	3.3	0	0	23	06	3	2	4	1	2	0	5	5	0
	2330	177	1013.8	992.8	..	15.7	11.4	6.9	9.9	57	..	1.0	..	1.9	0	0	12	02	5	1	3	0	1	0	0	16	0
ANUPGARH	0830	154																									
	1730	154																									
MAHAJAN	0830	187	1013.7	991.4	..	12.5	9.0	4.0	8.1	60	..	1.1	..	2.5	0	0	16	01	1	5	1	5	1	1	1	10	0
	1730	187	1009.5	988.4	..	27.0	17.7	9.0	11.5	37	..	0.3	..	7.5	0	0	24	02	4	0	0	1	7	4	6	0	0
CHURU	0830	291	..	..	..	12.8	7.2	-1.8	5.3	39	-23	1.9	0.5	2.8	0	0	16	00	0	5	2	3	5	1	0	12	0
	1730	291	..	..	..	27.3	13.4	6.9	3.7	12	-21	1.7	-0.3	9.8	0	1	27	11	1	1	0	0	2	6	7	0	0
BIKANER	0830	224	1015.0	988.6	-0.4	14.0	8.0	- 1.3	5.5	38	-18	2.6	1.2	1.8	0	0	13	00	0	4	2	4	2	0	1	15	0
	1730	224	1010.8	985.2	-1.0	28.1	14.4	- 1.1	6.1	15	-15	1.8	0.3	4.5	0	0	20	04	0	2	1	1	5	3	4	8	0
BIKANER P.B.O.	0530	224	1013.3	986.6	..	12.4	7.5	0.2	6.2	45	..	1.4	..	1.8	0	0	7	01	1	1	1	0	3	0	0	21	0
	1130	224	1015.0	989.0	..	25.2	13.9	0.4	6.3	22	..	1.7	..	5.4	0	0	26	01	3	3	7	7	1	2	2	2	0
	1430	224	1011.6	986.5	..	28.9	15.2	-1.3	5.5	15	..	1.5	..	5.9	0	0	24	03	2	0	2	2	6	5	4	4	0
	2030	224	1012.5	986.8	..	21.3	12.6	2.7	7.4	31	..	1.0	..	1.9	0	0	11	02	4	0	0	2	2	0	1	17	0
	2330	224	1013.7	987.5	..	17.9	10.4	0.7	6.4	32	..	0.5	..	2.8	0	0	13	04	3	0	0	0	3	3	0	15	0
NAGAUR	0830	298	1015.0	980.3	-1.1	17.8	11.6	4.5	8.4	45	- 1	2.7	1.4	4.6	0	0	24	00	4	6	4	5	4	1	0	4	0
	1730	298	1010.1	976.9	-1.3	28.7	20.3	14.5	16.5	43	15	2.3	0.6	7.8	0	0	28	02	2	2	0	4	8	5	5	0	0
PHALODI	0830	234	1015.6	988.2	+0.1	15.1	10.2	4.5	8.4	51	- 3	2.8	1.0	7.9	0	0	25	00	1	2	8	9	3	1	1	3	0
	1730	234	1011.2	985.4	-0.5	29.4	18.7	11.4	13.5	33	- 5	1.9	-0.3	11.1	0	5	23	01	4	3	1	5	3	8	3	0	0
JAISALMER	0830	242	1013.7	985.5	-1.3	15.4	10.1	3.7	8.0	47	- 9	3.2	2.0	4.8	0	0	19	02	1	5	0	5	6	0	0	9	0
	1730	242	1010.0	982.9	-1.1	28.8	16.3	3.4	7.8	21	-16	2.6	1.2	8.2	0	0	27	03	2	2	0	5	6	8	1	1	0
JODHPUR	0230	224	1013.7	986.9	..	17.3	10.8	2.7	7.4	39	..	1.2	..	7.7	0	0	26	03	11	3	0	1	4	3	1	2	0
	0530	224	1013.0	986.4	..	15.0	9.2	1.3	6.7	41	..	0.6	..	7.1	0	0	24	03	12	2	1	1	1	3	1	4	0
	0830	224	1015.4	988.6	-0.4	15.2	9.4	1.8	6.9	42	- 2	2.2	0.3	6.8	0	1	24	02	16	2	1	0	2	2	0	3	0
	1130	224	1015.0	989.5	..	25.9	14.8	2.9	7.5	25	..	2.1	..	10.1	0	1	26	01	1	8	4	3	7	3	0	1	0
	1430	224	1011.6	986.6	..	31.0	16.9	2.1	7.1	19	..	2.4	..	13.2	0	3	25	01	2	5	2	0	5	8	5	0	0
	1730	224	1010.5	985.5	-0.5	30.5	16.8	2.6	7.4	20	0	2.5	0.2	11.7	0	3	25	02	3	2	1	1	6	7	5	0	1
	2030	224	1012.5	986.9	..	23.4	14.4	5.0	8.7	33	..	1.7	..	6.0	0	0	26	03	4	2	0	2	5	5	5	2	0
	2330	224	1013.4	987.6	..	20.3	12.6	3.7	8.0	36	..	1.2	..	7.8	0	0	26	06	7	0	0	1	5	5	2	2	0
BARMER	0530	194	1011.7	989.1	..	18.0	10.6	0.9	6.5	33	..	0.6	..	3.2	0	0	16	01	0	0	0	0	2	4	9	12	0
	0830	194	1013.8	991.1	-1.0	16.9	10.4	1.8	6.9	38	-12	1.8	-0.2	2.4	0	0	15	01	0	0	1	0	2	1	10	13	0
	1130	194	1014.4	992.3	..	26.0	15.4	4.7	8.5	26	..	1.9	..	2.4	0	0	22	02	3	3	2	3	6	1	2	6	0
	1730	194	1009.8	988.1	-1.2	30.7	17.4	5.1	8.8	21	- 7	2.0	0.3	3.2	0	0	25	02	2	0	3	1	6	0	7	3	0
	2330	194	1012.7	990.5	..	23.3	13.0	0.5	6.3	23	..	0.4	..	3.7	0	0	18	00	0	0	0	0	6	5	7	10	0
ERINPURA (JAWAI DAM)	0830	295	1013.3	979.1	-1.2	16.8	12.2	7.2	10.1	54	- 7	1.3	0.1	2.1	0	0	18	00	0	1	3	3	10	1	0	10	0
	1730	295	1009.4	976.5	-1.3	29.0	17.3	8.5	11.1	30	- 3	1.7	0.5	2.2	0	0	17	00	1	2	0	1	6	4	3	11	0
RAJASTHAN, EAST																											
PILANI	0830	301	1015.9	980.3	-1.4	13.0	7.9	0.6	6.4	45	- 9	2.3	1.3	7.0	0	0	26	00	0	2	5	5	10	4	0	2	0
	1730	301	1011.1	977.5	-1.1	27.2	14.1	-2.2	5.1	15	-12	2.2	0.7	13.0	0	5	22	02	3	1	0	1	3	4	13	1	0
SIKAR	0830	433	1015.3	964.9	-0.2	14.7	9.2	2.6	7.4	44	-23	0.9	-0.6	0.5	0	0	7	00	0	0	0	1	0	6	0	21	0
	1730	433	1010.0	962.1	-1.4	27.2	14.6	3.9	8.1	24	-21	0.8	-1.2	1.0	0	0	14	00	0	0	0	0	0	9	5	14	0
ALWAR	0830	271	1014.4	982.7	-0.8	15.6	12.6	9.9	12.2	68	- 1	1.8	0.4	1.1	0	0	7	00	0	0	3	0	0	2	2	21	0
	1730	271	1010.0	979.7	-1.4	27.4	19.9	14.8	16.8	47	16	2.0	0.3	3.1	0	0	24	00	3	1	0	0	3	2	15	4	0
JAIPUR (SANGANER)	0230	390	1013.0	967.6	..	14.9	9.2	2.0	7.1	42	..	0.5	..	4.6	0	0	23	10	5	4	0	0	0	1	3	5	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.) 62 or more	Wind Speed (Km. p. h.) 20 to 61	Wind Speed (Km. p. h.) 1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN,EAST (CONTD.)																											
JAIPUR (SANGANER) (CONTD)	0530	390	1013.1	967.5	..	[illegible]	5.2	2.2	7.2	49	..	0.7	..	3.4	0	0	17	08	3	4	0	0	0	0	2	11	0
	0830	390	1015.0	969.6	-0.5	15.8	10.0	2.9	7.5	44	-5	1.9	0.2	0.0	0	0	15	03	6	6	1	1	0	1	3	13	0
	1130	390	1014.2	970.3	..	25.3	14.1	1.4	6.8	22	..	2.1	..	9.0	0	1	27	02	0	3	4	2	5	7	7	0	0
	1430	390	1010.7	967.5	..	28.7	15.2	0.8	6.5	18	..	2.2	..	10.1	0	0	28	02	0	2	1	1	4	8	10	0	0
	1730	390	1010.0	966.6	-0.9	27.3	15.1	2.2	7.2	20	-8	2.0	-0.2	7.0	0	0	27	02	1	1	2	1	3	4	13	1	0
	2030	390	1012.7	968.1	..	19.6	12.1	3.9	6.1	36	..	1.5	..	3.7	0	0	21	09	1	2	2	0	0	2	5	7	0
	2330	390	1013.5	968.5	..	17.1	10.4	2.2	7.2	37	..	0.8	..	5.4	0	0	25	08	4	6	1	0	1	0	5	3	0
DHOLPUR	0830	176	1014.7	994.0	-0.3	16.1	10.0	2.3	7.2	40	-23	0.4	-1.2	2.0	0	0	14	00	0	0	0	2	0	12	0	14	0
	1730	176	1010.3	990.4	-0.9	27.4	15.3	2.2	7.2	20	-21	0.9	-1.5	2.0	0	0	14	01	1	0	0	0	0	10	2	14	0
AJMER	0830	486	1015.4	959.3	-0.3	15.4	9.7	3.4	7.8	46	-7	2.2	0.5	4.1	0	4	13	01	3	2	0	0	2	3	6	11	0
	1730	486	1010.6	956.8	-0.1	27.0	13.9	0.1	6.1	18	-7	1.9	-0.2	8.2	0	3	24	03	1	1	1	0	4	11	6	1	0
TONK	0830	272	1014.4	982.2	-1.4	15.5	9.7	2.4	7.3	41	-25	1.5	0.4	6.9	0	0	28	00	0	1	1	1	0	16	9	0	0
	1730	272	1008.9	978.2	-1.8	28.5	16.7	4.3	8.3	24	-10	1.3	-0.3	5.6	0	0	27	02	1	1	0	1	2	9	11	1	0
BHILWARA	0830	425	1015.5	966.2	..	15.0	9.3	2.1	7.1	43	..	2.1	..	1.3	0	0	9	01	0	0	0	0	6	1	1	19	0
	1730	425	1010.6	963.7	..	28.9	15.7	1.8	6.9	18	..	1.9	..	4.0	0	1	19	02	2	2	1	0	3	2	8	8	0
KOTA	0830	257	1014.8	984.9	-0.6	17.1	11.4	5.2	8.8	46	-5	1.2	-0.4	3.0	0	0	17	01	1	0	2	1	6	5	1	11	0
	1730	257	1010.4	981.8	-0.4	29.5	17.0	5.7	9.1	22	-3	1.7	-0.2	5.0	0	2	20	06	4	0	2	0	1	0	9	6	0
KOTA AERODROME	0530	274	1013.0	981.1	..	16.2	6.7	-2.2	5.1	29	..	0.3	..	5.2	0	0	24	01	1	0	1	0	3	19	1	4	0
	0830	274	1015.1	983.4	..	18.8	10.2	-1.4	5.4	26	..	1.0	..	3.6	0	0	22	02	1	1	1	0	3	12	2	6	0
	1130	274	1014.9	984.0	..	26.4	14.1	-0.6	5.8	16	..	0.7	..	7.9	0	0	24	05	6	4	2	0	0	5	2	4	0
	1730	274	1010.4	979.9	..	29.4	14.9	-2.1	5.1	13	..	1.7	..	11.1	0	0	28	10	7	5	0	0	0	3	3	0	0
	2330	274	1013.5	982.0	..	20.0	10.8	-1.3	5.5	24	..	0.2	..	5.5	0	0	23	00	0	3	0	0	3	16	3	5	0
CHAMBAL (RAWAT BHATTA DAM)	0830	351	1013.9	973.1	-1.8	16.0	10.3	3.1	7.6	45	-6	0.5	-0.4	1.4	0	1	5	01	0	1	3	0	1	0	0	22	0
	1730	351	1008.3	969.9	-1.6	29.2	16.8	5.3	8.9	23	-4	0.5	-0.7	10.0	0	4	24	06	5	0	1	0	4	0	17	0	0
UDAIPUR	0230	582	1014.7	947.5	..	14.6	9.7	4.6	8.5	52	..	0.0	..	0.1	0	0	1	00	0	0	0	0	1	0	0	27	0
	0530	582	1014.4	947.2	..	12.9	8.7	4.0	8.1	56	..	0.0	..	0.5	0	0	3	00	0	0	0	0	1	2	0	25	0
	0830	582	1016.1	949.3	+0.2	15.1	9.8	4.3	8.3	48	-7	0.7	-0.4	0.1	0	0	1	00	0	1	0	0	0	0	0	27	0
	1130	582	1014.3	949.9	..	26.7	14.6	3.2	7.7	22	..	0.9	..	1.5	0	0	10	01	2	2	0	2	1	1	1	18	0
	1730	582	1009.7	946.1	-0.2	29.2	15.7	2.7	7.4	19	-10	1.3	-0.2	4.2	0	0	20	00	2	1	2	5	1	6	3	8	0
	2330	582	1014.7	948.4	..	16.9	11.1	5.6	9.1	48	..	0.1	..	0.2	0	0	1	00	0	0	0	0	0	0	1	27	0
JHALAWAR	0830	321	(R)																								
	1730	321	(R)																								
BANSWARA	0830	220	1014.8	989.0	..	18.4	12.0	4.4	8.4	41	..	0.1	..	9.9	0	0	27	00	0	14	12	1	0	0	0	1	0
	1730	220	1010.9	986.4	..	32.2	18.9	7.5	10.4	25	..	0.0	..	11.0	0	0	27	06	0	0	0	3	3	[illegible]	[illegible]	1	0
MADHYA PRADESH,WEST																											
GWALIOR	0230	207	1012.9	988.5	..	13.9	8.6	1.6	7.0	44	..	0.4	..	1.6	0	0	7	00	0	0	1	1	1	1	3	21	0
	0530	207	1013.0	988.5	..	12.6	7.9	1.5	6.9	47	..	0.3	..	3.1	0	1	14	00	0	0	5	3	0	5	2	13	0
	0830	207	1014.8	990.6	-0.6	16.9	10.3	2.2	7.2	38	-15	1.4	-0.5	2.6	0	0	14	00	0	0	3	2	1	3	5	14	0
	1130	207	1014.6	991.1	..	26.2	14.8	2.7	7.6	22	..	1.2	..	8.1	0	1	26	03	1	1	2	2	0	1	17	1	0
	1430	207	1011.3	968.1	..	29.1	15.6	1.1	6.8	17	..	2.0	..	10.4	0	4	24	06	0	1	1	0	0	6	14	0	0
	1730	207	1010.6	987.3	-0.8	28.0	15.6	3.0	7.7	20	-8	2.0	-0.2	7.7	0	0	28	08	3	1	1	0	0	4	11	0	0
	2030	207	1012.7	988.9	..	20.2	12.3	3.5	8.0	34	..	1.2	..	1.6	0	0	10	00	1	0	1	1	1	2	4	[illegible]	0
	2330	207	1013.4	989.2	..	16.4	10.2	2.6	7.5	40	..	0.6	..	1.3	0	0	6	00	1	0	0	1	2	1	1	22	0
SHEOPUR	0830	235	1015.2	987.6	-0.1	15.0	8.7	0.1	6.2	37	-21	1.3	-0.7	5.0	0	0	23	01	1	1	0	19	0	1	0	5	0
	1730	235	1010.1	983.9	+0.0	29.8	15.2	2.1	5.4	13	-11	1.9	-0.3	9.1	0	2	25	12	5	0	0	0	5	4	5	1	0
SHIVPURI	0830	464	1015.0	961.5	..	16.6	9.7	1.7	7.1	37	..	0.3	..	2.9	0	0	15	01	3	0	1	0	3	4	5	13	0
	1730	464	1009.8	958.5	..	28.0	14.5	1.6	6.7	18	..	1.0	..	7.9	0	1	24	03	0	2	0	0	0	[illegible]	12	5	0
NOWGONG	0830	229	1015.5	988.5	-0.4	14.2	9.5	3.7	8.1	49	-21	0.6	-1.2	1.4	0	0	14	00	0	0	1	6	6	0	1	14	0
	1730	229	1010.5	985.0	-0.5	29.2	15.5	0.5	6.5	16	-12	0.7	-1.4	2.0	0	0	21	04	1	2	0	0	2	1	11	7	0
GUNA	0530	478	1013.8	958.1	..	12.6	7.8	2.0	7.1	50	..	0.0	..	2.9	0	0	14	00	0	4	6	2	0	1	1	14	0
	0830	478	1015.1	960.6	+0.0	18.9	11.7	4.0	8.5	40	-18	0.5	-1.2	3.2	0	0	21	01	1	7	4	3	0	5	0	7	0
	1130	478	1013.9	960.9	..	27.5	16.4	5.8	10.6	30	..	0.4	..	10.3	0	2	26	02	1	2	5	2	3	2	11	0	0
	1430	478	1010.1	957.9	..	30.3	18.1	6.7	11.9	30	..	0.6	..	12.9	0	3	24	02	1	1	3	0	4	4	12	1	0
	1730	478	1009.7	957.1	-0.4	28.9	16.5	4.5	9.7	26	-1	0.9	-0.8	12.1	0	2	26	01	1	1	1	0	1	7	16	0	0
	2330	478	1014.3	959.4	..	17.0	10.2	2.8	7.5	41	..	0.4	..	4.6	0	0	21	00	9	2	3	2	2	2	1	7	0
NIMACH	0830	496	1015.2	958.4	-0.7	17.5	9.3	-1.1	5.8	29	-14	0.7	-1.0	2.7	0	0	15	01	6	2	0	0	2	1	0	13	3
	1730	496	1009.9	955.7	-0.4	29.6	14.1	-3.7	4.7	11	-12	0.5	-1.7	10.7	0	3	22	00	2	1	0	0	1	3	0	5	16
RAJGARH	0830	382	1015.4	970.9	-0.3	14.6	9.3	2.9	7.5	48	0	0.4	-0.6	2.6	0	0	22	03	0	2	9	6	0	0	2	6	0
	1730	382	1009.5	967.6	-0.3	31.2	17.9	5.9	9.7	22	4	0.5	-0.6	8.6	0	1	27	08	1	1	1	0	0	11	6	0	0
SAGAR	0830	551	1015.0	952.2	+0.2	17.7	11.8	5.9	9.5	41	-5	0.5	-0.9	5.5	0	0	27	00	5	6	0	0	6	8	2	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, WEST (CONTD)																											
SAGAR (CONTD)	1730	551	1009.2	949.0	-0.1	28.7	16.0	5.2	8.9	24	- 2	0.0	-2.0	7.5	0	0	28	00	2	3	0	0	5	11	9	0	0
RATLAM	0830	486	1015.3	959.7	+0.5	18.5	11.7	4.4	8.8	42	- 7	0.6	-1.0	6.0	0	3	18	04	9	4	1	0	2	1	0	7	0
	1730	486	1009.5	956.4	+0.1	30.5	16.9	10.7	13.4	30	1	0.6	-1.5	8.1	0	0	26	03	4	0	0	0	4	8	7	2	0
BHOPAL (BAIRAGARH)	0230	523	1012.9	953.2	..	17.1	9.6	0.5	6.5	53	..	0.1	..	5.7	0	0	20	08	4	0	2	0	1	2	3	7	0
	0530	523	1013.2	953.0	..	15.2	8.6	0.2	6.4	37	..	0.1	..	3.5	0	0	16	05	2	1	3	0	1	2	1	12	0
	0830	523	1014.8	955.4	-0.2	19.3	11.0	2.0	7.1	32	-15	0.5	-0.9	4.0	0	0	16	05	5	5	4	0	1	1	1	12	0
	1130	523	1013.5	955.8	..	28.0	14.9	2.2	7.4	19	..	0.5	..	9.9	0	1	24	05	4	4	4	3	1	2	2	3	0
	1430	523	1009.6	952.7	..	31.0	15.9	0.7	7.1	15	..	0.5	..	13.9	0	5	23	04	2	0	0	2	6	2	6	0	0
	1730	523	1008.9	951.9	-0.2	30.1	15.3	0.6	6.6	16	- 7	0.4	-1.4	13.5	0	4	23	02	1	0	0	2	1	8	13	1	0
	2030	523	1012.4	953.8	..	23.2	12.8	2.0	7.3	26	..	0.1	..	6.1	0	0	20	06	1	0	1	2	1	5	4	8	0
	2330	523	1013.3	954.2	..	20.6	11.4	1.2	6.8	28	..	0.2	..	6.9	0	0	21	06	4	0	1	1	2	1	3	7	0
UJJAIN	0830	489	1016.2	959.3	..	13.5	8.8	3.6	7.9	52	..	1.2	..	0.1	0	0	2	00	0	1	1	0	0	0	0	24	0
	1730	489	1009.3	955.8	..	30.5	15.6	1.5	6.9	16	..	0.5	..	11.5	0	4	22	02	3	2	0	0	1	11	7	2	0
NARSINGHPUR	0830	356	1015.5	974.0	..	15.3	10.2	4.2	8.4	49	..	0.5	..	1.1	0	0	14	00	13	0	0	0	0	0	1	14	0
	1730	356	1008.9	969.9	..	31.9	20.3	11.5	14.3	31	..	0.5	..	2.4	0	0	24	00	7	0	0	0	5	0	14	4	0
HOSHANGABAD	0830	302	1015.1	980.0	-0.1	17.5	11.4	4.5	5.5	43	- 6	0.1	-1.5	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	302	1009.2	975.9	-0.3	31.2	17.1	3.6	6.1	19	- 6	0.2	-1.7	..	.	..	..	..	..	..	..	..	..	..	..	..	..
INDORE	0530	567	1013.4	948.3	..	15.0	8.2	0.5	6.0	38	..	0.1	..	4.9	0	0	19	02	1	6	0	3	3	3	1	9	0
	0830	567	1015.1	950.6	+0.5	18.3	10.3	1.2	6.6	32	-15	0.4	-0.8	3.1	0	0	14	01	1	3	0	3	3	2	1	14	0
	1130	567	1013.4	951.1	..	28.3	15.0	2.4	7.4	19	..	0.4	..	10.2	0	2	22	02	4	5	1	3	2	6	1	4	0
	1730	567	1008.9	947.3	+0.3	30.2	15.4	1.1	6.7	16	- 3	0.2	-1.5	11.4	0	2	22	04	4	0	0	0	5	9	4	4	0
	2330	567	1013.6	949.5	..	19.6	10.8	0.7	6.6	28	..	0.1	..	7.4	0	0	23	00	7	2	1	2	2	5	1	5	0
RAJPUR (JHABUA)	0830	293	1015.5	981.4	+0.2	16.6	10.1	1.6	7.2	38	-17	0.5	-0.4	1.9	0	0	13	00	0	3	0	0	0	10	0	15	0
	1730	293	1009.8	977.6	-0.2	32.1	16.6	0.2	6.3	14	- 7	0.2	-0.8	4.7	0	0	23	01	0	0	0	0	0	22	0	5	0
CHHINDWARA	0830	685	1015.5	937.6	+0.2	15.9	10.6	5.5	9.3	51	- 1	0.4	-0.9	1.1	0	0	7	02	1	1	0	0	0	1	2	21	0
	1730	685	1008.4	934.4	+0.3	29.5	18.1	9.6	12.4	30	5	0.7	-1.3	4.9	0	0	28	07	0	1	1	3	0	11	5	0	0
SEONI	0830	619	1014.6	944.8	+0.2	18.9	11.9	5.0	6.6	41	-13	0.3	-1.4	3.9	0	0	22	06	4	1	1	1	6	1	2	5	0
	1730	619	1008.7	941.5	-0.1	29.5	15.8	3.4	6.0	19	-15	0.7	-1.5	6.6	0	0	26	10	2	0	1	3	4	4	2	2	0
BETUL	0830	653	1014.8	941.3	+0.4	19.7	11.2	1.9	7.2	31	-15	0.3	-1.1	1.4	0	0	13	01	6	3	2	0	0	1	0	15	0
	1730	653	1008.5	937.9	+0.3	29.8	14.6	1.5	5.5	13	-10	0.4	-1.5	4.5	0	0	27	12	4	0	2	1	1	4	3	1	0
KHANDWA	0830	318	1015.0	978.2	+0.4	17.6	10.0	0.0	6.0	30	-14	0.6	-0.5	0.9	0	0	13	01	2	0	3	0	4	0	3	15	0
	1730	318	1009.0	974.2	+0.3	32.9	16.4	-2.6	5.2	11	-12	0.3	-1.3	3.1	0	0	28	03	5	2	2	1	4	1	14	0	0
MADHYA PRADESH, EAST																											
SATNA	0530	317	1012.8	975.6	..	13.2	8.2	1.6	6.9	46	..	0.0	..	1.1	0	0	14	00	0	0	0	0	3	8	3	14	0
	0830	317	1014.9	978.1	-0.2	17.1	10.2	1.7	6.9	36	-28	0.3	-1.4	1.3	0	0	16	00	0	4	0	0	0	11	1	12	0
	1130	317	1013.9	978.3	..	26.7	14.2	-0.3	6.1	18	..	0.5	..	4.5	0	0	27	00	1	4	1	0	3	8	10	1	0
	1430	317	1010.3	975.2	..	29.8	15.1	-2.7	5.2	13	..	0.9	..	7.6	0	0	28	02	1	1	1	0	0	5	18	0	0
	1730	317	1009.9	974.6	-0.5	28.1	14.7	0.8	5.9	16	-20	0.9	-1.0	4.3	0	0	27	09	0	0	0	0	1	4	15	1	0
	2330	317	1013.4	976.7	..	17.9	10.7	1.9	7.1	35	..	0.0	..	1.1	0	0	11	01	0	3	0	0	1	4	2	17	0
REWA	0830	299	1014.3	979.5	..	16.2	10.3	3.4	7.8	45	..	0.4	..	1.2	0	0	11	01	1	0	0	1	4	3	1	17	0
	1730	299	1009.4	976.2	..	28.7	15.2	0.2	6.4	16	..	0.7	..	4.2	0	0	27	07	2	0	0	0	0	6	12	1	0
SIDHI	0830	272H	1014.1	982.4	-0.9	15.8	11.5	6.9	10.1	56	-10	0.2	-0.8	0.1	0	0	2	00	0	0	0	2	0	0	0	26	0
	1730	272	1009.3	979.0	-0.9	28.5	17.9	9.2	11.9	31	- 5	0.0	-0.9	2.5	0	0	21	12	0	0	0	0	0	9	0	7	0
UMARIA	0830	459	1015.1	962.5	-1.1	18.0	10.7	2.7	7.6	37	-26	0.5	-1.3	1.4	0	0	13	01	0	2	1	4	2	2	1	15	0
	1730	459	1009.4	959.0	-1.4	29.1	15.2	1.8	7.2	18	-17	0.6	-1.4	4.9	0	0	28	09	0	0	0	0	0	4	14	0	1
JABALPUR	0530	393	1013.4	967.6	..	13.0	9.0	4.3	8.3	56	..	0.0	..	0.8	0	0	8	00	0	0	5	1	0	1	1	20	0
	0830	393	1015.3	970.1	+0.2	17.7	11.0	3.5	7.7	39	-25	0.3	-1.4	2.8	0	0	20	00	1	1	6	10	0	1	1	3	0
	1130	393	1013.8	970.1	..	27.6	15.6	3.1	7.9	21	..	0.3	..	4.2	0	0	25	05	3	3	1	5	4	3	1	3	0
	1430	393	1009.8	966.7	..	31.2	16.7	2.1	7.3	16	..	0.6	..	6.2	0	0	27	06	2	0	0	2	2	2	12	1	0
	1730	393	1009.3	966.1	-1.3	29.9	17.1	5.2	9.1	22	-10	0.4	-1.4	3.4	0	0	23	08	4	0	0	0	1	2	8	5	0
	2030	393	1012.6	968.0	..	21.2	14.2	7.7	10.6	43	..	0.3	..	1.4	0	0	11	04	1	1	0	0	0	2	3	17	0
	2330	393	1013.7	968.5	..	17.7	12.2	6.6	9.8	49	..	0.1	..	0.7	0	0	6	00	4	0	1	0	0	1	0	22	0
AMBIKAPUR	0830	611	1015.1	945.6	-0.2	17.3	10.6	3.5	7.9	40	-25	0.1	-1.0	3.5	0	0	21	04	2	1	0	6	6	1	1	7	0
	1730	611	1009.0	942.3	-0.4	27.6	14.4	1.0	6.8	18	-15	0.5	-0.7	10.4	0	0	27	13	3	1	0	0	0	2	8	1	0
JASHPURNAGAR	0830	779	1013.6	927.0	..	20.0	11.5	2.3	7.4	32	..	0.3	..	1.4	0	0	16	00	3	0	1	0	3	0	9	12	0
	1730	779	1007.8	923.7	..	27.3	13.8	0.5	6.0	17	..	0.7	..	0.3	0	0	28	00	2	0	0	0	12	0	14	0	0
PENDRA	0530	625	1013.0	942.2	..	16.7	9.8	1.9	7.1	37	..	0.1	..	3.8	0	1	21	05	1	0	0	0	2	7	7	6	0
	0830	625	1014.2	944.2	-0.2	20.8	12.0	3.0	7.7	31	-24	0.2	-0.8	4.1	0	1	13	07	2	0	0	1	1	0	3	14	0
	1130	625	1012.6	944.2	..	27.3	14.7	2.9	7.6	21	..	0.3	..	10.9	0	5	21	14	2	1	0	2	1	2	3	2	1
	1430	625	1008.8	941.1	..	29.7	15.4	1.9	7.1	17	..	0.7	..	15.2	0	6	22	16	4	1	0	2	0	3	2	0	0

H Height provisionally calculated

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																											
PENDRA (CONTD.)	1730	625	1009.1	941.0	-0.4	27.5	14.7	2.5	7.4	20	-18	0.7	-1.7	8.6	0	0	27	15	1	0	0	3	1	4	3	1	0
	2330	625	1013.3	943.2	..	20.0	11.6	2.8	7.6	32	..	0.1	..	5.5	0	1	25	05	0	0	1	0	2	9	10	2	1
MANDLA	0830	443	1015.5	964.5	+0.0	16.5	11.2	5.5	9.0	49	-25	0.3	-1.3	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
	1730	443	1008.8	960.3	-0.3	30.0	16.8	4.3	6.4	20	-10	0.6	-1.4	0.2	0	0	9	04	0	0	0	0	0	0	5	19	0
CHAMPA	0830	245	1014.4	986.1	-0.4	19.2	12.2	4.3	8.6	38	-17	0.2	-1.2	3.2	0	0	24	14	1	0	0	0	2	2	5	4	0
	1730	245	1008.9	981.9	-0.7	32.1	16.7	0.4	6.5	14	-12	0.7	-1.1	5.5	0	1	22	03	0	0	0	0	5	11	4	5	0
RAIGARH	0830	220	1014.5	989.2	+0.1	21.6	13.8	5.9	9.5	37	-16	0.2	-1.1	3.2	0	0	28	00	18	1	4	1	3	0	1	0	0
	1730	220	1009.1	984.6	-0.5	30.3	17.3	5.5	9.2	21	- 7	0.3	-1.0	1.9	0	0	18	06	0	0	1	0	7	3	1	10	0
RAIPUR	0530	298	1012.1	977.7	..	18.3	13.0	7.9	10.7	51	..	0.1	..	1.5	0	0	11	00	0	1	0	4	4	0	2	17	0
	0830	298	1014.4	980.4	+0.1	22.3	14.9	8.3	10.9	41	-14	0.3	-1.4	2.6	0	0	20	02	2	2	1	5	5	1	2	8	0
	1130	298	1013.6	980.5	..	29.9	18.4	9.2	11.8	28	..	0.2	..	4.6	0	0	27	02	3	4	2	1	4	8	3	1	0
	1430	298	1009.7	977.0	..	32.9	19.7	9.5	12.2	24	..	0.1	..	4.3	0	0	24	02	4	0	2	2	3	6	5	4	0
	1730	298	1009.1	976.3	-0.5	31.4	19.1	9.6	12.1	26	- 5	0.6	-0.8	3.3	0	0	21	03	1	2	1	2	5	5	2	7	0
	2030	298	1011.8	978.3	..	26.1	17.0	9.6	12.0	36	..	0.1	..	2.5	0	0	21	01	1	0	0	6	4	9	0	7	0
	2330	298	1012.5	978.7	..	23.0	15.4	8.8	11.3	41	..	0.0	..	3.8	0	0	23	03	0	0	0	6	10	4	0	5	0
KANKER	0830	402	1014.6	968.9	+0.0	20.8	14.9	9.6	12.2	50	-17	0.5	-1.4	0.1	0	0	1	00	0	0	0	0	0	0	1	27	0
	1730	402	1008.9	965.0	-0.4	31.0	18.8	10.2	11.8	26	-10	0.9	-1.1	2.3	0	0	17	03	1	0	0	0	2	3	8	11	0
JAGDALPUR	0530	553	1013.1	949.8	..	14.9	11.7	9.0	11.4	68	..	0.0	..	0.3	0	0	2	00	0	0	0	2	0	0	0	26	0
	0830	553	1014.6	952.3	+0.2	20.2	14.1	9.1	11.6	49	-17	0.1	-1.4	0.4	0	0	2	00	0	0	1	1	0	0	0	26	0
	1130	553	1012.1	951.8	..	29.7	16.7	5.9	9.5	23	..	0.2	..	4.6	0	0	20	03	4	0	1	4	4	1	3	8	0
	1430	553	1008.3	948.7	..	32.1	17.0	4.1	8.4	17	..	0.4	..	6.1	0	0	24	05	4	1	0	3	3	3	5	4	0
	1730	553	1008.2	948.3	-0.2	30.2	16.9	6.2	9.5	22	-14	0.5	-1.6	3.0	0	0	15	01	4	0	2	3	3	1	1	13	0
	2030	553	1011.9	950.5	..	23.8	15.3	8.4	11.2	38	..	0.1	..	0.4	0	0	2	01	0	0	0	0	1	0	0	26	0
	2330	553	1013.2	950.9	..	20.0	13.9	8.9	11.4	49	..	0.0	..	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																											
DEESA	0830	136	1015.4	999.2	+0.6	14.3	10.3	5.7	9.3	52	3	0.0	-1.6	4.9	0	0	28	00	17	1	6	0	1	1	2	0	0
	1730	136	1010.6	995.3	-0.2	31.2	16.7	0.9	7.3	16	- 5	0.0	-1.6	5.2	0	0	28	00	3	0	0	2	4	6	13	0	0
RADHANPUR	0830	30	1016.6	1013.1	+1.6	16.9	11.9	6.7	9.9	52	-14	0.0	-0.6	2.1	0	0	28	07	0	6	0	7	1	7	0	0	0
	1730	30	1013.4	1010.0	+1.3	31.7	17.9	5.9	9.3	21	-20	0.0	-0.5	3.4	0	0	28	03	0	1	0	1	4	12	7	0	0
IDAR	0830	219	1014.3	989.1	-0.5	21.0	12.3	1.1	7.3	31	- 6	0.4	-0.5	3.4	0	0	13	05	4	1	1	0	0	0	2	15	0
	1730	219	1010.4	986.1	-0.3	31.3	16.0	-1.4	5.8	13	-10	0.4	-0.4	4.1	0	0	26	00	0	0	5	0	0	18	3	2	0
AHMADABAD	0230	55	1012.5	1006.0	..	18.4	12.2	5.5	9.2	44	..	0.1	..	5.4	0	0	18	04	2	1	0	0	1	1	9	10	0
	0530	55	1012.2	1005.8	..	16.2	11.0	5.0	9.0	49	..	0.1	..	3.9	0	0	17	04	2	1	0	0	0	0	10	11	0
	0830	55	1014.4	1007.9	-0.2	17.9	12.1	5.8	9.5	47	- 5	0.5	-0.8	3.7	0	0	14	00	4	4	0	0	0	0	6	14	0
	1130	55	1015.2	1008.9	..	28.5	16.9	5.6	9.8	26	..	0.4	..	12.6	0	1	27	03	1	11	4	0	0	1	8	0	0
	1430	55	1012.0	1005.8	..	32.6	17.7	3.2	8.2	17	..	0.6	..	9.9	0	1	27	03	4	5	1	0	2	4	8	0	1
	1730	55	1010.6	1004.5	-0.2	32.5	17.7	3.5	8.2	17	- 7	0.7	-0.6	9.9	0	1	25	06	2	1	0	2	1	5	9	2	0
	2030	55	1012.3	1006.0	..	24.5	15.3	6.7	9.9	33	..	0.3	..	2.7	0	0	10	00	0	0	0	0	0	3	7	18	0
	2330	55	1013.1	1006.7	..	20.8	13.5	6.1	9.5	40	..	0.2	..	2.5	0	0	9	01	1	0	0	0	0	1	6	19	0
DOHAD	0830	333	1015.0	976.7	-0.2	19.3	11.8	2.9	7.9	35	-13	0.3	-0.8	5.3	0	0	24	00	1	6	4	8	1	1	3	4	0
	1730	333	1009.5	973.0	-0.3	32.0	17.9	5.0	9.0	20	1	0.3	-0.4	13.4	0	7	20	04	3	0	0	0	2	9	9	1	0
VALLABH VIDYANAGAR	0830	44	1014.1	1009.0	..	15.1	11.1	6.7	9.9	60	..	0.3	..	3.4	0	0	20	06	7	1	0	0	0	1	5	8	0
	1730	44	1010.3	1005.4	..	32.7	18.2	5.0	9.1	19	..	0.1	..	5.2	0	0	27	03	2	0	0	0	2	4	16	1	0
BARODA AERODROME	0830	38	1014.5	1010.0	+0.2	17.9	12.5	7.0	10.1	50	3	0.4	-0.5	1.8	0	0	6	04	2	0	0	0	0	0	0	22	0
	1130	38	1015.0	1010.7	..	29.4	19.1	10.8	13.7	34	..	0.4	..	9.2	0	1	23	06	3	4	2	3	1	2	3	4	0
	1730	38	1010.3	1006.1	+0.0	33.3	20.7	11.5	14.1	28	8	0.4	-0.6	9.0	0	0	25	03	2	1	0	0	1	8	10	3	0
BARODA	0530	34	1012.1	1008.0	..	16.2	11.5	6.4	9.8	53	..	0.0	..	0.6	0	0	6	00	4	0	0	0	0	1	1	22	0
	0830	34	1014.6	1010.4	-0.1	16.8	11.9	6.6	9.9	52	-10	0.3	-0.6	0.6	0	0	7	00	4	0	0	0	0	0	3	21	0
	1130	34	1015.1	1011.1	..	30.6	17.7	5.8	9.8	23	..	0.3	..	1.7	0	0	15	00	9	0	1	0	0	1	4	13	0
	1730	34	1010.3	1006.5	+0.0	33.8	18.7	5.3	9.3	18	-10	0.3	-0.8	2.1	0	0	17	01	1	0	2	0	0	0	13	11	0
	2330	34	1012.9	1008.9	..	21.6	14.8	8.5	11.3	44	..	0.0	..	0.5	0	0	4	00	2	0	0	0	0	0	2	24	0
BROACH	0830	17	..	..	..	..	..	..	..	..	..	0.2	-0.7	5.0	0	0	28	03	6	1	1	1	2	0	14	0	0
	1730	17	..	..	..	..	..	..	..	..	..	0.1	-0.6	5.6	0	0	28	05	10	0	1	1	2	1	8	0	0
SURAT	0530	12	1011.9	1010.5	..	18.0	14.2	10.9	13.1	66	..	0.0	..	5.6	0	0	24	00	15	0	6	0	0	0	3	4	0
	0830	12	1014.5	1013.1	+0.2	19.3	14.5	10.4	12.6	57	- 5	0.2	-1.1	5.2	0	0	25	00	16	0	3	0	0	0	6	3	0
	1130	12	1015.0	1013.7	..	28.8	17.9	9.2	11.7	30	..	0.2	..	8.2	0	0	28	00	19	0	1	0	0	0	8	0	0
	1730	12	1010.1	1008.8	-0.3	32.3	19.7	10.4	12.7	27	- 8	0.2	-1.0	9.3	0	0	28	00	2	0	0	0	6	0	20	0	0
	2330	12	1013.1	1011.7	..	21.7	16.2	10.9	13.9	54	..	0.0	..	6.9	0	0	28	00	13	0	3	0	0	0	12	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																											
NALIYA	0830	21	1014.9	1012.3	-0.6	14.8	13.9	13.0	15.2	90	17	2.6	1.2	4.3	0	0	23	03	8	4	2	2	0	1	3	5	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 & more	28 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SAURASHTRA AND KUTCH (INCLUDING DIU)																											
NALIYA (CONTD.)	1730	21	1011.3	1008.9	-1.0	28.0	20.2	15.3	17.4	47	15	0.7	0.0	11.1	0	0	28	01	0	0	0	2	14	10	1	0	0
BHUJ (RUDRAMATA)	0230	80	1013.2	1003.8	..	18.0	14.5	11.0	13.7	67	..	0.0	..	1.1	0	0	2	00	0	0	0	0	0	2	0	26	0
	0530	80	1012.8	1003.4	..	15.9	13.7	11.2	13.9	75	..	0.0	..	0.9	0	0	2	00	0	0	0	0	1	1	0	26	0
	0830	80	1014.9	1005.4	+0.0	16.8	14.3	12.0	14.3	75	23	0.9	-0.2	4.2	0	1	9	00	0	0	0	0	4	4	2	18	0
	1130	80	1015.4	1006.2	..	20.5	16.0	11.3	13.7	41	..	0.9	..	11.2	0	3	18	07	5	1	0	0	0	3	5	7	0
	1430	80	1012.2	1003.2	..	31.0	18.6	7.8	11.4	26	..	0.7	..	9.1	0	5	10	03	4	0	0	0	0	2	6	13	0
	1730	80	1011.0	1002.1	-0.2	31.4	18.4	7.2	10.7	24	7	0.3	-0.8	12.5	0	4	18	04	2	0	1	0	3	5	7	6	0
	2030	80	1013.0	1003.8	..	25.5	16.9	9.1	12.3	38	..	0.0	..	7.5	0	0	17	01	1	0	0	0	2	6	7	11	0
	2330	80	1013.8	1004.4	..	20.6	15.7	11.1	13.9	58	..	0.3	..	3.6	0	0	8	01	0	0	0	0	1	5	1	20	0
KANDLA AERODROME	0830	35	1014.9	1010.7	..	19.4	14.6	10.2	12.8	58	..	0.8	..	10.1	0	4	15	02	0	0	0	1	1	1	14	9	0
	1130	35	1015.5	1011.5	..	27.7	16.2	5.3	9.1	24	..	0.9	..	15.1	0	6	21	08	2	0	2	0	3	3	9	1	0
	1730	35	1011.1	1007.2	..	31.8	18.5	6.2	10.5	23	..	0.6	..	14.7	0	8	18	03	2	3	2	9	1	3	3	2	0
NEW KANDLA	0830	14	1015.1	1013.4	-0.6	18.6	15.1	12.0	14.3	68	6	1.3	0.1	8.0	0	0	26	09	2	1	1	1	4	4	4	2	0
	1730	14	1011.8	1010.1	-0.8	28.5	18.4	9.7	12.9	35	-1	0.7	0.0	14.9	0	9	17	03	3	1	2	4	9	4	0	2	0
MANDVI	0830	9	1015.0	1013.9	+0.0	17.5	15.6	13.8	16.2	80	11	2.1	1.1	9.6	0	0	25	09	8	2	0	0	0	1	5	3	0
	1730	9	1012.1	1011.0	+0.0	24.5	21.3	19.3	22.7	73	2	0.9	0.3	24.8	0	17	11	00	0	0	0	0	3	25	0	0	0
SURENDRANAGAR	0830	74	1014.9	1006.2	+0.5	20.3	14.9	9.7	12.5	54	0	0.6	-0.6	6.5	0	0	25	04	1	1	0	0	1	9	9	3	0
	1730	74	1010.6	1002.3	+0.0	32.8	19.3	8.7	11.4	23	0	0.6	-1.4	8.0	0	2	19	00	3	1	0	0	1	10	6	7	0
OKHA	0530	7	1013.0	1012.2	..	21.1	20.0	19.3	22.4	89	..	0.7	..	16.9	0	11	17	07	0	0	0	0	1	2	18	0	0
	0830	7	1015.0	1014.2	..	21.0	19.4	18.4	21.3	86	..	1.2	..	15.1	0	7	21	15	1	0	0	0	2	2	8	0	0
	1130	7	1016.3	1015.5	..	23.0	19.7	17.5	20.2	73	..	1.3	..	14.6	0	5	23	07	5	2	0	0	1	1	12	0	0
	1730	7	1012.6	1011.8	..	23.7	20.9	19.3	22.4	76	..	0.5	..	18.6	0	9	19	01	0	0	0	0	0	11	16	0	0
	2330	7	1014.4	1013.6	..	21.7	20.1	19.2	22.2	86	..	0.3	..	17.9	0	13	15	02	0	0	1	0	0	8	17	0	0
JAMNAGAR AERODROME	0530	20	1012.5	1010.1	..	14.8	13.4	12.0	14.2	84	..	0.1	..	7.4	0	0	20	01	0	0	0	4	7	5	3	8	0
	0830	20	1014.3	1011.9	-0.5	15.9	14.3	12.8	15.1	83	23	1.2	-0.4	5.3	0	0	18	00	0	1	2	6	8	1	2	10	0
	1130	20	1015.3	1013.0	..	25.8	18.2	12.5	14.8	45	..	0.6	..	13.2	0	2	26	02	8	6	0	0	0	5	7	0	0
	1730	20	1011.2	1008.9	-0.2	28.6	18.5	10.3	13.0	35	3	0.5	-0.5	16.1	0	8	19	09	2	0	0	0	0	6	10	1	0
	2330	20	1013.5	1011.2	..	18.6	16.6	15.2	17.3	81	..	0.0	..	11.1	0	0	28	01	0	0	0	1	5	17	4	0	0
DWARKA	0830	11	1014.9	1013.6	+0.0	21.2	19.5	18.4	21.3	84	12	0.6	-1.2	9.0	0	0	28	14	5	0	0	0	0	5	4	0	0
	1730	11	1012.2	1011.0	-0.2	24.2	21.0	19.3	22.4	74	16	0.2	-1.1	13.9	0	3	25	07	0	0	0	0	0	11	10	0	0
RAJKOT	0530	138	1012.9	996.7	..	14.9	11.5	7.6	10.8	64	..	0.2	..	8.7	0	1	23	03	3	2	0	0	2	4	10	4	0
	0830	138	1014.9	998.8	+0.3	17.8	13.5	9.2	12.2	61	4	0.3	-1.1	4.9	0	2	12	01	0	2	0	0	0	2	5	14	4
	1130	138	1015.1	999.6	..	28.2	17.9	9.1	12.2	33	..	0.1	..	18.1	0	15	13	13	3	1	1	0	0	0	10	0	0
	1430	138	1011.6	996.3	..	32.0	18.9	7.6	11.2	24	..	0.3	..	16.7	0	13	13	09	0	0	3	0	0	0	13	2	1
	1730	138	1010.6	995.3	-0.2	32.0	18.6	6.7	10.6	22	3	0.0	-1.3	19.9	0	16	11	08	1	0	2	0	0	0	16	1	0
BHAUNAGAR AERODROME	0830	11	1014.6	1013.4	-0.2	18.9	11.5	2.4	7.6	35	-9	0.3	-0.8	9.1	0	1	24	01	0	0	0	0	1	11	12	3	0
	1130	11	1015.3	1014.1	..	27.9	16.2	4.6	8.9	25	..	0.3	..	15.5	0	8	20	09	10	0	2	0	0	0	7	0	0
	1730	11	1010.7	1009.5	-0.2	31.9	17.0	1.5	7.3	16	-5	0.4	-0.8	16.9	0	11	17	02	10	11	4	1	0	0	0	0	0
PORBANDER AERODROME	0830	7	1014.7	1013.9	+0.3	17.9	14.9	12.2	14.5	71	1	0.4	-0.7	6.6	0	1	18	04	0	0	6	1	0	0	8	9	0
	1130	7	1015.6	1014.8	..	28.6	18.7	10.7	13.6	35	..	0.5	..	15.4	0	11	15	05	1	2	1	0	2	1	10	2	4
	1730	7	1011.6	1010.8	+0.1	28.4	20.4	15.1	17.5	47	-8	0.3	-0.7	23.5	0	24	4	01	1	0	0	0	4	21	1	0	0
KESHOD	0830	51	1014.7	1008.6	-0.6	17.2	11.3	3.7	8.7	45	-7	0.2	-0.6	11.6	0	1	27	02	19	7	0	0	0	0	0	0	0
	1130	51	1015.2	1009.4	..	29.0	16.2	2.3	8.1	21	..	0.3	..	17.5	0	9	19	12	10	1	0	0	0	0	5	0	0
	1730	51	1010.7	1005.0	-0.7	32.9	17.4	0.1	7.3	15	-7	0.1	-0.4	20.7	0	17	11	04	4	0	0	0	3	8	9	0	0
MAHUVA	0830	9	1013.3	1012.3	..	19.0	12.8	6.5	9.8	47	..	0.1	..	3.0	0	0	23	13	4	0	0	0	0	0	6	5	0
	1730	9	1010.6	1009.6	..	29.8	19.6	11.4	14.5	36	..	0.9	..	5.2	0	0	26	00	2	5	16	0	5	0	0	2	0
VERAVAL	0230	8	1012.5	1011.6	..	18.3	15.1	12.4	14.6	70	..	0.0	..	12.9	0	5	22	20	5	0	0	0	0	0	2	1	0
	0530	8	1012.0	1011.1	..	17.2	13.9	10.9	13.2	68	..	0.3	..	14.4	0	2	25	20	4	0	0	0	0	0	3	1	0
	0830	8	1014.2	1013.3	-0.4	18.8	14.9	11.5	13.7	64	8	2.1	1.0	12.9	0	1	25	17	9	0	0	0	0	0	0	2	0
	1130	8	1015.0	1014.1	..	29.8	22.1	17.6	20.2	49	..	0.4	..	17.1	0	12	15	12	5	1	0	0	1	5	3	1	0
	1430	8	1012.1	1011.2	..	28.0	24.0	22.1	26.6	71	..	0.4	..	23.4	0	22	6	01	0	0	1	1	4	13	8	0	0
	1730	8	1011.2	1010.3	-0.1	25.9	23.6	22.4	27.1	81	13	0.1	-0.8	22.5	0	19	9	00	0	0	0	1	2	15	10	0	0
	2030	8	1012.9	1012.0	..	23.2	21.3	20.3	23.8	84	..	0.0	..	15.2	0	14	11	03	0	0	1	0	1	2	18	3	0
	2330	8	1013.7	1012.8	..	20.6	18.1	16.4	18.8	78	..	0.0	..	11.2	0	2	24	12	4	1	0	0	0	0	9	2	0
DIU	0830	15	1014.9	1013.1	..	21.2	15.4	10.6	12.8	53	..	0.1	..	4.1	0	0	27	09	5	1	0	0	0	3	9	1	0
	1730	15	1011.9	1010.1	..	26.1	22.1	19.9	23.3	70	..	0.2	..	14.1	0	7	21	00	0	0	2	2	16	8	0	0	0
KONKAN (INCLUDING GOA)																											
DAHANU	0830	5	1013.0	1012.5	+0.0	19.7	16.7	14.4	16.6	73	6	.	..	8.0	0	0	28	03	3	10	1	0	11	0	0	0	0
	1730	5	1010.5	1010.0	+0.2	24.8	21.4	19.5	22.7	73	3	.	..	14.9	0	2	26	23	0	0	0	0	1	0	4	0	0
BOMBAY (SANTACRUZ)	0230	14	1011.5	1009.8	..	20.5	16.1	12.4	14.7	62	..	0.1	..	4.7	0	0	19	10	0	5	1	0	0	0	3	9	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KONKAN (INCLUDING GOA) (CONTD.)																											
BOMBAY (SANTACRUZ). (CONTD.)	0530	14	1011.1	1009.4	..	19.8	15.6	12.0	14.3	63	..	0.3	..	5.9	0	0	22	10	5	5	1	0	0	0	1	6	0
	0830	14	1013.4	1011.7	+0.1	21.7	15.9	10.9	13.4	52	- 9	0.5	-0.7	1.9	0	0	12	01	3	6	2	0	0	0	0	16	0
	1130	14	1013.9	1012.2	..	31.4	19.0	8.9	11.9	26	..	0.4	..	7.1	0	0	23	04	3	0	5	0	0	3	8	5	0
	1430	14	1010.7	1009.1	..	31.7	20.8	13.4	15.7	34	..	0.3	..	14.7	0	0	28	02	0	0	0	0	0	6	20	0	0
	1730	14	1010.0	1008.3	-0.2	29.3	20.0	13.6	15.9	39	- 6	0.4	-0.6	15.3	0	4	24	07	0	0	0	0	0	0	21	0	0
	2030	14	1011.9	1010.2	..	25.3	18.9	14.2	16.7	52	..	0.2	..	9.6	0	0	25	16	2	0	0	0	0	0	7	3	0
	2330	14	1012.7	1011.0	..	22.2	17.1	13.1	15.4	59	..	0.2	..	2.6	0	0	14	04	4	2	1	0	0	0	3	14	0
BOMBAY	0830	11	1013.2	1012.0	-0.2	22.0	18.3	15.7	18.1	68	- 4	0.4	-0.6	5.8	0	0	28	09	11	7	0	0	0	0	0	0	1
	1130	11	1013.8	1012.6	..	29.0	20.2	14.3	16.5	42	..	0.5	..	6.5	0	0	28	04	4	10	4	0	0	0	5	0	1
	1730	11	1010.0	1008.8	-0.6	27.7	21.7	18.3	21.0	57	- 5	0.4	-0.4	16.3	0	8	20	08	0	0	0	0	0	0	20	0	0
ALIBAG	0830	7	1013.1	1012.3	-0.5	21.5	17.3	14.2	16.3	65	- 5	0.3	-0.7	3.1	0	0	23	06	7	10	0	0	0	0	0	5	0
BHIRA	0830	96	1012.7	1001.6	..	18.6	14.2	9.9	12.6	61	..	0.4	..	1.9	0	0	11	02	3	0	2	3	1	0	0	17	0
	1730	96	1008.2	997.7	..	35.7	20.0	7.5	10.6	19	..	0.3	..	4.7	0	0	21	00	0	0	0	0	16	2	3	7	0
HARNAI	0830	20	1012.6	1010.3	+0.1	25.5	19.0	14.3	16.7	53	- 6	0.7	-1.0	4.6	0	0	14	02	4	1	4	2	0	0	1	14	0
	1730	20	1009.0	1006.7	-0.7	27.7	24.0	22.2	26.9	73	1	0.3	-1.0	23.3	0	16	12	17	0	0	0	0	0	1	10	0	0
RATNAGIRI	0830	35	1012.9	1008.9	+0.3	21.7	17.4	13.9	16.4	64	- 5	0.6	-1.2	5.6	0	1	22	00	2	11	9	0	0	0	0	5	1
	1730	35	1009.5	1005.7	+0.0	29.1	23.2	19.9	23.5	57	- 3	0.3	-1.5	9.2	0	1	27	04	0	0	0	0	0	13	10	0	0
DEVGARH	0830	36	1012.7	1008.5	+0.0	23.1	16.8	15.7	16.3	65	- 8	0.6	-1.3	7.5	0	0	27	02	6	16	1	0	0	0	0	1	0
	1730	36	1009.1	1005.1	-0.2	29.6	24.0	21.2	25.2	61	- 4	0.6	-0.9	17.6	0	8	20	01	0	0	0	0	1	13	13	0	0
VENGURLA	0230	9	1010.9	1009.9	..	20.5	18.7	17.5	20.1	84	..	0.0	..	0.4	0	0	4	04	0	0	0	0	0	0	0	24	0
	0530	9	1010.4	1009.4	..	19.1	17.7	16.7	19.0	86	..	0.2	..	2.3	0	0	11	09	0	2	0	0	0	0	0	17	0
	0830	9	1012.9	1011.9	+0.0	20.8	18.3	16.5	19.0	77	2	0.6	-0.7	2.1	0	0	13	10	1	1	1	0	0	0	0	15	0
	1130	9	1013.4	1012.4	..	31.0	21.5	14.9	17.8	41	..	0.3	..	4.7	0	0	25	00	2	1	2	4	12	4	0	3	0
	1730	9	1009.3	1008.3	-0.3	29.5	23.5	20.3	24.1	59	2	0.7	-0.7	6.0	0	0	28	00	0	0	0	1	5	20	2	0	0
	2330	9	1012.1	1011.1	..	22.4	20.1	18.7	21.6	81	..	0.1	..	1.5	0	0	9	09	0	0	0	0	0	0	0	19	0
PANJIM	0530	60	1010.3	1003.8	..	21.2	19.5	18.5	21.3	85	..	0.4	..	6.1	0	0	24	00	2	18	6	0	0	0	0	2	0
	0830	60	1012.7	1006.2	..	21.7	19.1	17.3	20.0	78	..	1.7	..	6.0	0	0	24	01	6	13	3	0	0	0	1	4	0
	1130	60	1013.1	1006.7	..	30.3	21.5	15.5	18.5	43	..	1.0	..	6.9	0	0	26	00	1	1	7	5	5	5	2	2	0
	1430	60	1009.9	1003.6	..	31.3	22.8	17.8	20.7	47	..	1.0	..	16.2	0	8	20	00	0	0	0	2	9	16	1	0	0
	1730	60	1008.9	1002.6	..	29.5	23.0	19.4	22.7	56	..	1.1	..	13.0	0	2	26	00	0	0	0	0	3	17	8	0	0
	2030	60	1011.1	1004.7	..	26.2	22.5	20.5	24.1	71	..	0.6	..	4.9	0	0	20	13	2	0	0	0	0	0	5	8	0
	2330	60	1011.9	1005.5	..	24.7	21.6	19.9	23.2	75	..	0.4	..	4.3	0	0	21	07	6	6	1	0	0	0	1	7	0
MORMUGAO	0530	62	1009.5	1002.5	..	23.1	20.6	19.1	22.2	79	..	0.6	..	10.3	0	0	27	04	4	13	3	3	0	0	0	1	0
	0830	62	1012.0	1004.9	-1.1	24.7	20.5	17.7	20.8	67	- 5	1.3	-0.6	9.6	0	2	25	00	5	14	7	1	0	0	0	1	0
	1130	62	1012.4	1005.5	..	28.9	21.6	16.8	19.7	53	..	1.1	..	10.6	0	1	27	01	1	3	1	5	12	3	2	0	0
	1730	60	1008.2	1001.3	-1.2	28.7	23.6	21.0	25.0	64	- 2	0.9	-0.8	15.6	0	5	23	00	0	0	0	0	8	13	7	0	0
DABOLIM (NAVAL AIR STN.)	0530	52	1010.4	1004.5	..	22.0	19.8	18.0	21.3	78	..	0.5	..	..	0	1	19	01	6	8	2	2	1	0	0	8	0
	0830	52	1012.8	1006.9	..	24.0	20.1	17.3	20.4	69	..	1.1	..	..	0	1	20	00	4	9	4	4	0	0	0	7	0
	1130	52	1013.3	1007.9	..	29.5	21.7	16.5	19.5	49	..	0.6	..	..	0	1	27	01	0	0	5	4	17	1	0	0	0
	1730	52	1009.0	1003.2	..	29.0	22.9	19.6	22.9	56	..	0.9	..	..	0	16	12	04	0	0	0	0	1	9	14	0	0
	2330	52	1012.1	1006.1	..	24.9	22.2	20.7	24.4	78	..	0.4	..	..	0	2	20	03	15	2	1	1	0	0	0	6	0
MADHYA MAHARASHTRA																											
NANDURBAR	0830	206	1014.6	991.0	-0.1	22.4	14.4	6.3	9.9	36	- 5	0.0	-0.4	5.1	0	0	21	00	4	3	3	2	6	3	0	7	0
	1730	206	1009.5	986.8	-0.1	33.7	20.4	10.2	13.1	26	4	0.0	-0.5	4.3	0	0	26	00	8	2	0	0	3	5	8	2	0
JALGAON	0830	201	1014.7	991.1	+0.3	17.2	9.8	-0.1	6.2	31	-14	0.5	-0.5	5.5	0	0	21	01	2	5	7	2	2	2	0	7	0
	1730	201	1008.8	986.7	+0.1	34.3	17.3	-0.7	5.9	11	- 6	0.2	-0.9	8.5	0	2	24	04	2	2	2	3	1	6	6	2	0
MALEGAON	0830	437	1015.7	965.2	+0.6	16.3	9.5	0.6	6.4	35	- 8	1.0	0.0	4.3	0	0	27	03	0	0	0	1	1	14	8	1	0
	1730	437	1008.5	961.1	+0.4	33.0	16.8	- 0.9	6.0	12	- 9	1.1	-0.4	7.1	0	0	27	04	8	5	1	3	1	3	2	1	0
OZAR	0530	608	1013.8	944.0	..	13.9	8.3	1.5	7.0	44	..	0.4	..	6.6	0	0	17	01	0	0	0	0	4	9	3	11	0
	0830	608	1014.9	946.1	..	18.4	10.7	2.5	7.3	35	..	0.4	..	1.3	0	0	5	00	1	1	0	0	0	2	1	23	0
	1130	608	1012.8	946.5	..	29.2	16.3	5.3	9.1	23	..	0.6	..	11.0	0	0	28	00	2	12	8	2	0	1	2	0	1
	1430	608	1008.6	943.1	..	32.6	17.5	5.1	9.0	19	..	0.5	..	13.9	0	4	23	03	2	3	7	4	3	2	3	1	0
	1730	608	1007.9	942.4	..	31.7	17.2	5.1	9.0	19	..	0.5	..	13.4	0	8	17	02	1	1	3	3	2	4	9	3	0
AHMADNAGAR	0830	657	1015.1	941.2	+0.9	19.2	11.2	2.0	7.5	33	-11	0.9	0.0	1.6	0	0	10	00	0	0	1	1	0	0	8	18	0
	1730	657	1007.5	937.2	+0.6	33.0	17.4	3.7	8.5	16	- 7	0.9	-0.7	8.8	0	0	25	04	4	1	5	0	5	0	6	3	0
POONA AERODROME	0230	593	1012.6	945.5	..	18.9	11.7	4.6	8.5	40	..	0.1	..	4.4	0	0	15	01	0	2	0	0	0	10	2	13	0
	0530	593	1012.7	945.2	..	16.7	10.6	4.3	8.4	45	..	0.1	..	3.5	0	0	13	00	2	0	0	0	0	9	2	15	0
	0830	593	1014.7	947.4	..	18.1	11.4	4.6	8.7	42	..	0.6	..	1.6	0	0	8	00	0	0	0	0	1	6	1	20	0
	1130	593	1012.7	947.9	..	29.1	15.6	2.8	7.9	19	..	0.7	..	11.2	0	1	23	00	5	15	2	1	0	0	0	4	1
	1730	593	1007.3	943.5	..	32.6	16.2	0.5	6.5	13	..	0.6	..	14.7	0	7	18	01	6	5	0	2	0	8	3	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD.)																											
POONA AERODROME (CONTD.)	2330	593	1012.9	946.4	..	21.6	12.9	4.5	6.6	55	..	0.2	..	10.7	0	1	21	00	1	2	0	0	0	17	2	6	0
POONA	0530	559	1013.8	949.3	..	12.9	8.6	4.7	6.4	56	..	0.1	..	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
	0830	559	1015.3	951.6	+0.5	17.2	11.5	5.9	9.4	48	- 5	0.5	-0.4	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
	1130	559	1012.9	951.7	..	29.2	16.1	4.5	6.9	22	..	0.5	..	5.4	0	0	24	00	4	17	2	0	1	0	0	4	0
	1430	559	1008.4	948.2	..	33.2	17.4	3.5	8.4	16	..	0.5	..	6.9	0	0	24	00	2	13	2	2	0	2	3	4	0
	1730	559	1007.5	947.3	+0.1	32.5	17.2	3.9	8.4	18	- 5	0.6	-0.7	5.6	0	0	22	00	1	9	0	2	1	8	1	6	0
	2030	559	1011.5	949.7	..	25.3	15.2	6.3	9.9	31	..	0.2	..	2.9	0	0	12	00	1	0	0	0	1	8	2	16	0
	2330	559	1013.6	950.5	..	19.7	12.5	5.6	9.3	40	..	0.2	..	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
JEUR	0830	521	1014.8	955.4	+0.5	17.7	10.4	2.4	7.3	36	-11	0.5	-0.5	0.9	0	0	11	04	5	0	0	1	1	0	2	17	0
	1730	521	1007.1	951.1	+0.4	33.6	17.1	2.5	7.5	14	-15	0.4	-1.1	9.4	0	2	25	05	5	7	2	3	2	2	3	1	0
BARAMATI	0830	551	1015.6	952.7	+0.8	17.3	12.6	8.6	11.2	57	8	0.3	-0.4	4.9	..	0	28	15	1	0	0	1	1	6	4	0	0
	1730	551	1007.4	948.2	+0.7	33.2	22.4	16.1	18.6	38	15	0.3[d]	-1.0	9.3[d]	0	1	26	02	2	8	1	7	3	2	2	0	0
SHOLAPUR	0530	479	1012.2	957.7	..	16.5	10.9	2.7	7.5	35	..	0.0	..	3.3	0	0	20	01	6	1	4	1	1	4	2	8	0
	0830	479	1014.6	960.7	+0.9	22.3	13.2	3.8	8.6	31	- 8	0.3	-0.7	5.1	0	0	24	00	11	0	7	0	1	0	5	4	0
	1130	479	1012.9	960.5	..	30.6	16.6	4.8	8.7	20	..	0.3	..	6.4	0	1	25	00	6	1	9	1	5	0	4	2	0
	1430	479	1008.6	956.9	..	33.9	17.6	3.7	8.2	15	..	0.3	..	9.3	0	2	26	02	3	8	5	3	2	3	2	0	0
	1730	479	1007.5	955.8	+0.2	33.7	17.3	2.9	7.8	15	- 7	0.2	-1.6	6.1	0	1	25	04	3	6	3	4	2	3	1	2	0
	2330	479	1012.3	958.7	..	23.9	13.2	2.7	7.4	25	..	0.0	..	4.9	0	0	22	01	8	3	7	1	1	0	1	6	.
MIRAJ	0830	554	1014.8	952.1	+0.6	18.9	12.9	7.4	10.5	48	- 8	0.6	-0.4	..	0	0	5	00	0	1	0	0	0	4	0	23	0
	1730	554	1007.2	947.8	+0.5	33.0	19.2	9.4	12.2	24	- 8	0.9	-0.8	..	0	0	17	00	1	11	1	0	3	1	0	11	0
KOLHAPUR	0530	570	1012.4	947.5	..	16.7	11.9	7.5	10.5	56	..	0.0	..	4.1	0	0	28	00	1	7	0	2	3	6	1	8	0
	0830	570	1014.0	949.7	+0.2	19.5	12.7	6.2	9.8	45	-10	0.4	-0.8	2.9	0	0	16	00	4	8	0	0	0	4	0	12	0
	1130	570	1012.3	950.1	..	29.5	16.4	5.5	9.1	23	..	0.4	..	11.6	0	6	31	00	12	11	1	2	0	1	0	1	0
	1730	570	1006.9	945.7	+0.3	32.6	16.7	2.0	7.3	15	- 7	0.4	-1.2	12.[illegible]	0	3	24	00	8	11	0	1	0	5	2	1	0
	2330	570	1012.4	948.8	..	22.1	14.9	8.7	11.7	45	..	0.0	..	6.5	0	0	28	00	11	11	0	1	0	5	0	0	0
DOGIRI	0830		..	..	..	22.2	14.5	7.9	10.9	41	..	0.2	..	7.5	0	0	27	00	8	15	5	0	0	1	0	1	0
	1730		..	..	..	27.4	17.8	10.6	13.6	37	..	0.3	..	3.8	0	0	28	00	1	7	3	3	5	4	1	0	0
MARATHWADA																											
AURANGABAD	0830	581	1014.8	949.5	+0.4	21.0	12.2	3.4	7.9	32	- 9	0.6	-0.3	1.1	0	0	6	00	0	5	0	0	0	1	0	22	0
	1730	581	1008.3	945.8	+0.4	32.3	17.2	4.3	8.6	18	- 5	0.6	-0.9	6.1	0	0	26	05	3	3	2	1	5	6	1	2	0
AURANGABAD (CHIKALTHANA)	0230	579	1013.2	947.0	..	15.7	9.4	2.3	7.2	42	..	0.2	..	2.9	0	0	8	00	0	2	0	0	0	2	4	20	0
	0530	579	1013.6	946.9	..	13.2	8.1	1.9	7.1	47	..	0.3	..	1.7	0	0	8	00	1	0	0	0	0	2	3	22	0
	0830	579	1014.5	949.3	+0.4	20.3	12.6	5.1	9.0	38	- 6	0.8	-0.1	2.7	0	0	8	02	1	0	1	0	0	2	3	20	0
	1130	579	1012.9	949.6	..	29.7	17.7	8.1	11.5	28	..	0.8	..	12.5	0	1	26	01	2	5	13	1	3	2	2	1	0
	1430	579	1008.8	946.3	..	32.3	18.6	8.3	11.4	24	..	0.8	..	15.6	0	2	26	04	7	2	3	0	3	7	2	0	0
	1730	579	1008.0	945.5	+0.3	31.9	18.6	8.3	11.7	25	- 4	0.5	-0.6	12.9	0	2	25	02	4	0	6	0	3	6	6	1	0
	2030	579	1012.1	947.4	..	22.4	13.5	5.1	9.0	34	..	0.6	..	5.9	0	0	18	06	2	0	3	0	0	2	5	10	0
	2330	579	1013.8	948.0	..	17.8	10.8	3.6	7.9	39	..	0.4	..	3.5	0	0	10	05	1	1	0	0	0	1	2	18	0
PARBHANI	0830	423	1015.2	966.8	+0.5	19.4	11.8	2.3	7.7	35	- 2	0.4	-0.7	3.1	0	0	15	04	0	0	0	0	1	9	1	13	0
	1730	423	1008.6	962.7	+0.5	33.5	17.5	0.8	7.0	14	- 6	0.3	-1.4	6.4	0	1	22	05	5	3	1	1	1	5	2	5	0
NANDER	0830	358	1014.7	973.8	..	21.7	14.1	6.5	9.9	39	..	0.0[d]	..	1.7[d]	0	0	9	00	0	1	0	0	1	7	0	18	0
	1730	358	1007.8	968.7	..	32.7	22.0	15.4	17.7	36	..	0.0[d]	..	3.3[d]	0	0	18	00	0	2	1	0	4	11	0	9	0
BIR	0830	519	1015.5	956.4	..	18.3	13.3	8.5	11.6	52	..	0.2	..	2.7	0	1	16	00	1	0	9	0	7	0	0	11	0
	1730	519	1008.1	952.2	..	32.5	19.1	9.4	12.3	22	..	0.1	..	5.1	0	0	26	00	18	0	3	0	0	0	5	2	0
VIDARBHA																											
GONDIA	0830	313	1014.7	978.7	-0.1	19.5	12.9	5.9	9.5	42	-15	0.1	-1.3	1.2	0	0	13	03	4	1	1	0	1	0	3	15	0
	1730	313	1009.3	974.9	-0.1	31.3	16.8	2.1	7.4	16	-11	0.2	-1.3	0.9	0	0	9	02	1	0	0	0	2	4	0	19	0
NAGPUR (SONEGAON)	0230	310	1011.9	976.2	..	18.4	12.8	7.4	10.3	48	..	0.0	..	4.1	0	0	22	07	1	0	0	0	0	4	10	6	0
	0530	310	1012.3	976.2	..	15.9	11.4	6.7	9.9	55	..	0.0	..	3.9	0	0	20	06	2	1	0	0	0	1	10	8	0
	0830	310	1014.4	979.0	+0.1	21.4	14.5	8.2	10.9	43	- 6	0.2	-1.2	4.2	0	0	25	08	6	3	1	0	1	0	6	3	0
	1130	310	1013.4	979.0	..	30.7	19.8	10.8	14.2	29	..	0.1	..	7.0	0	2	20	03	4	7	2	1	3	0	2	6	0
	1430	310	1009.5	975.5	..	33.4	20.2	10.7	13.0	25	..	0.6	..	7.6	0	0	27	06	3	1	2	2	2	0	11	1	0
	1730	310	1008.7	974.6	-0.2	32.2	19.8	10.7	13.0	27	1	0.4	-1.3	5.3	0	0	23	01	0	3	6	3	3	3	4	5	0
	2030	310	1011.9	976.8	..	23.7	15.7	8.9	11.3	39	..	0.0	..	4.3	0	0	22	02	3	2	4	3	3	1	4	6	0
	2330	310	1012.7	977.3	..	20.9	14.2	8.1	10.8	44	..	0.0	..	4.9	0	0	24	06	2	2	0	0	1	4	9	4	0
AMRAOTI	0830	370	1013.9	972.1	+0.1	22.7	12.0	-2.5	5.3	20	-20	0.3	-1.1	1.7	0	0	19	01	7	5	0	2	3	0	1	9	0
	1730	370	1008.6	968.3	+1.3	32.9	16.2	-4.1	4.8	10	-12	0.3	-1.6	2.5	0	0	28	04	1	2	2	2	3	8	6	0	0
AKOLA AERODROME	0530	309	1011.6	975.9	..	17.5	9.7	-0.8	5.8	29	..	0.2	..	4.5	0	0	24	02	5	1	1	6	6	3	2	4	0
	0830	309	1013.7	978.3	..	20.5	11.4	-0.2	6.1	26	..	0.5	..	4.5	0	0	25	02	2	1	4	4	6	4	2	5	0
	1130	309	1013.3	978.9	..	29.7	15.7	0.4	6.5	16	..	0.4	..	5.6	0	0	28	02	7	2	1	3	4	4	5	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - **FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)**

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gram. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA (CONTD)																											
AKOLA AERODROME. (CONTD.)	1430	309	1009.1	975.3	..	33.5	16.2	-1.2	4.3	9	..	0.6	..	6.5	0	0	28	05	4	1	1	2	1	9	5	0	0
	1730	309	1008.2	974.4	..	33.3	16.8	-1.0	5.7	11	..	0.6	..	4.9	0	0	26	02	5	0	1	0	1	6	11	2	0
	2030	309	1010.6	976.1	..	27.5	14.4	-0.5	5.8	17	..	0.4	..	4.3	0	0	22	03	3	1	0	0	2	2	11	6	0
	2330	309	1011.6	976.6	..	23.6	12.5	-1.3	5.5	19	..	0.3	..	5.3	0	0	28	02	4	3	5	4	6	1	3	0	0
AKOLA	0830	282	1014.6	982.1	+0.4	18.5	11.2	2.6	7.4	35	-11	0.3	-0.8	0.4	0	0	6	00	0	0	3	1	0	2	0	22	0
	1730	282	1008.4	977.6	+0.1	34.0	17.9	2.1	7.5	14	- 8	0.5	-0.9	1.3	0	0	16	00	5	0	3	0	5	0	3	12	0
BRAHMAPURI	0830	229	1014.8	988.3	-0.2	19.5	14.2	9.1	11.9	53	-11	0.2	-0.9	2.1	0	0	19	05	2	1	4	4	0	1	2	9	0
	1730	229	1009.5	984.2	-0.4	32.9	19.9	9.2	12.6	26	- 2	0.4	-0.8	4.2	0	0	23	06	4	1	0	3	5	2	2	5	0
BULDANA	0830	650	1013.6	941.1	+0.4	22.1	13.9	6.5	9.9	38	- 4	0.3	-1.0	5.8	0	0	21	04	1	1	3	1	5	1	5	7	0
	1730	650	1008.1	938.0	+0.2	30.6	16.0	7.9	11.5	27	+ 1	0.9	-0.7	4.4	0	0	24	05	6	1	0	0	2	0	10	4	0
YEOTMAL	0830	451	1013.4	962.8	+0.1	24.6	14.0	1.7	7.4	25	-16	0.5	-1.2	4.1	0	0	23	02	4	6	3	0	2	4	2	5	0
	1730	451	1008.2	959.2	+0.1	32.4	17.7	2.8	8.3	18	- 8	0.6	-1.4	5.6	0	0	27	06	5	1	1	1	0	8	5	1	0
CHANDRAPUR	0830	193	1014.2	991.6	-0.5	18.0	12.8	7.7	10.6	52	- 9	0.4	-1.1	2.9	0	0	22	03	2	6	2	2	2	2	3	6	0
	1730	193	1008.7	987.4	-0.7	33.6	17.4	0.9	6.8	13	-18	0.4	-1.4	4.2	0	0	28	03	7	7	2	1	1	2	5	0	0
PUSAD	0830	334	1015.6	977.0	..	17.8	11.4	4.6	8.4	41	..	0.4	..	1.8	0	0	13	00	1	0	0	0	0	0	12	15	0
	1730	334	1009.4	973.0	..	33.9	18.7	5.0	9.2	18	..	0.6	..	2.6	0	0	20	01	8	2	2	0	2	0	5	8	0
SIRONCHA	0830	123	1014.9	1000.5	+0.1	20.4	15.8	12.1	14.2	59	- 6	0.4	-1.2	0.9	0	0	11	02	2	0	6	0	0	0	1	17	0
	1730	123	1009.5	995.9	+0.1	33.8	19.3	7.4	10.6	20	- 7	0.2	-1.2	1.7	0	0	22	02	5	0	3	1	5	0	6	6	0
WARDHA	0830	283	1014.0	981.7	..	23.1	12.9	0.7	6.7	23	..	0.0	..	2.7	0	0	25	07	6	1	1	0	2	4	4	3	0
	1730	283	1008.2	977.2	..	33.4	16.7	-2.2	5.4	11	..	0.5	..	4.9	0	0	28	04	3	4	2	3	3	4	5	0	0
BHANDARA	0830		..	..	..	21.2	13.9	7.0	9.9	40	..	.	..	3.1	0	0	21	01	5	4	3	3	4	1	0	7	0
	1730		..	..	..	32.7	17.8	4.3	8.3	17	..	.	..	3.8	0	0	28	00	2	0	12	3	3	1	1	0	6
COASTAL ANDHRA PRADESH																											
KALINGAPATAM	0830	6	1014.0	1013.3	-0.4	21.9	19.2	17.4	20.0	76	- 5	0.3	-2.5	6.6	0	0	26	11	0	0	0	0	0	1	10	2	4
	1730	6	1010.7	1009.7	-0.8	27.2	23.0	20.8	24.7	69	+ 0	0.0	-2.9	10.9	0	2	26	00	0	0	3	9	7	0	0	0	9
VISHAKHAPATNAM	0230	3	1011.7	1011.3	..	20.9	19.7	19.0	22.0	89	..	0.3	..	0.9	0	0	9	02	1	0	0	0	0	2	4	19	0
	0530	3	1011.9	1011.5	..	19.5	18.6	18.0	20.8	91	..	0.2	..	1.1	0	0	9	00	0	0	0	0	1	2	6	19	0
	0830	3	1014.2	1013.8	-0.2	24.3	20.5	18.3	21.0	71	- 6	0.8	-1.3	1.6	0	0	14	01	0	2	0	0	1	3	7	14	0
	1130	3	1013.8	1013.4	..	31.1	21.9	16.1	18.3	43	..	0.9	..	7.6	0	1	25	00	0	2	6	2	8	5	2	2	1
	1430	3	1010.7	1010.3	..	31.6	22.3	16.6	19.5	45	..	0.6	..	17.1	0	10	18	00	0	4	9	6	9	0	0	0	0
	1730	3	1010.7	1010.3	-0.4	28.1	22.3	18.9	22.1	60	-13	0.8	-0.9	10.4	0	0	27	00	0	2	9	6	10	0	0	1	0
	2030	3	1013.1	1012.7	..	24.7	22.1	20.6	24.4	79	..	0.3	..	0.6	0	0	7	01	1	0	1	0	0	0	2	21	2
	2330	3	1013.3	1012.9	..	22.6	20.9	19.9	23.2	85	..	0.4	..	0.9	0	0	9	01	0	0	1	0	0	1	6	19	0
KAKINADA	0830	8	1014.4	1013.5	-0.3	25.1	20.9	18.4	21.6	62	-11	1.1	-1.1	4.0	0	0	27	01	2	1	0	0	7	7	9	1	0
	1730	8	1010.4	1009.5	-0.7	28.9	22.4	18.9	21.6	56	-11	0.6	-0.9	12.4	0	0	28	00	0	0	23	4	1	0	0	0	0
NIDADAVOLE	0830	12	1014.4	1012.9	-0.4	22.5	19.9	18.6	21.1	78	+ 3	2.0	-1.1	3.0	0	0	26	10	8	3	0	0	0	2	3	2	0
	1730	12	1010.6	1009.0	-0.3	29.9	21.1	15.6	17.8	45	- 4	1.5	-1.6	5.3	0	1	27	02	2	3	6	2	12	1	0	0	0
RENTACHINTALA	0830	106	1014.1	1001.9	+0.4	22.6	17.1	12.9	15.1	55	-12	0.5	-2.0	0.4	0	0	5	00	0	0	0	2	1	2	0	23	0
	1730	106	1009.2	997.5	+0.4	34.2	20.3	9.8	12.4	23	- 8	0.0	-2.7	1.0	0	0	11	01	0	1	1	7	0	1	0	17	0
GANNAVARAM	0230	24	1011.5	1008.7	..	20.6	19.1	18.1	20.9	86	..	0.6	..	2.6	0	0	15	05	1	2	0	0	0	1	6	13	0
	0530	24	1011.8	1008.9	..	19.6	18.7	18.1	20.8	91	..	1.1	..	2.1	0	0	10	04	0	4	0	0	1	1	0	18	0
	0830	24	1014.3	1011.5	+0.1	23.5	20.7	19.0	22.1	77	+ 0	1.6	-0.8	3.0	0	0	13	03	1	5	1	1	0	2	0	15	0
	1130	24	1014.0	1011.3	..	30.6	21.1	14.7	17.3	40	..	1.0	..	7.4	0	0	27	00	1	7	4	11	3	1	0	1	0
	1430	24	1010.5	1007.8	..	33.4	20.7	11.7	14.1	28	..	0.8	..	9.3	0	0	27	00	1	7	7	10	2	0	0	1	0
	1730	24	1010.1	1007.4	+0.0	31.3	20.6	13.2	15.6	34	-10	0.6	-1.2	11.1	0	0	28	00	0	0	10	18	0	0	0	0	0
	2030	24	1012.6	1009.8	..	24.2	19.4	17.2	19.7	65	..	0.3	..	3.7	0	0	19	00	0	2	4	10	2	0	1	9	0
	2330	24	1013.1	1010.3	..	22.0	19.2	17.5	20.0	76	..	0.5	..	3.3	0	0	16	01	0	2	2	7	1	2	1	12	0
MASULIPATAM	0830	3	1014.2	1013.8	-0.1	22.5	20.9	20.1	23.2	87	+ 6	1.9	-0.6	2.0	0	0	25	12	4	0	1	0	4	2	2	3	0
	1730	3	1010.7	1010.4	-0.2	28.8	22.2	18.5	21.4	57	-10	1.3	-0.2	3.0	0	0	28	00	0	10	7	4	0	0	0	0	1
ONGOLE	0830	12	1014.3	1013.0	+0.3	25.7	24.7	19.5	23.2	70	- 8	0.9	-1.2	2.6	0	0	25	11	5	2	2	2	1	2	0	3	0
	1730d	12	1010.5	1009.2	+0.1	29.1	23.0	19.5	23.2	58	- 9	0.8	-0.7	3.0	0	0	27	00	3	5	19	0	0	0	0	0	0
NELLORE	0530	20	1011.9	1009.6	..	20.8	20.2	19.9	23.2	95	..	1.6	..	1.1	0	0	7	00	2	2	3	0	0	0	0	21	0
	0830	20	1013.8	1011.5	-0.2	23.3	21.4	20.4	23.3	84	+ 5	2.0	-0.7	3.2	0	0	24	0	8	0	13	0	0	0	3	4	0
	1130	20	1013.8	1011.6	..	30.5	22.9	18.6	21.7	51	..	2.1	..	6.9	0	0	28	00	9	3	14	0	0	0	2	0	0
	1430	20	1011.0	1008.8	..	32.1	23.8	19.3	22.7	48	..	1.8	..	6.6	0	0	28	00	13	2	10	1	1	0	1	0	0
	1730	20	1010.7	1008.5	+0.2	29.3	23.3	20.0	23.7	59	+ 0	2.4	+0.2	9.0	0	0	28	01	14	0	13	0	0	0	0	0	0
	2330	20	1013.1	1010.8	..	23.1	22.0	21.5	25.6	91	..	1.7	..	0.4	0	0	5	00	2	1	2	0	0	0	0	23	0
TELANGANA																											
RAMGUNDAM	0830	156	1014.0	995.0	-1.0	21.5	15.8	11.1	13.9	53	- 1	0.2	-1.5	2.0	0	0	25	03	8	2	2	5	2	2	1	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or Alt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ANGANA (CONTD.)																											
AMGUNDAM.....(CONTD.)	1730	156	1009.1	991.9	+0.3	33.1	19.7	9.1	12.0	23	- 3	0.0	-1.9	1.7	0	0	22	03	5	1	6	2	5	2	0	6	0
IZAMABAD	0830	381	1014.2	970.9	+0.4	21.5	14.5	8.0	10.9	43	-10	0.4	-1.0	0.2	0	0	4	00	0	0	0	1	1	2	0	24	0
	1730	381	1008.5	967.0	+0.3	32.7	17.9	4.5	8.5	17	-11	0.0	-1.7	1.5	0	0	12	00	7	2	0	0	0	3	0	16	0
ANAMKONDA	0830	269	1013.8	983.1	-0.4	21.2	17.0	13.7	16.2	62	- 9	0.3	-2.0	1.1	0	0	16	01	1	0	6	8	0	0	0	12	0
	1730	269	1010.1	980.7	+0.7	32.6	18.7	7.6	10.3	21	- 8	0.0	-1.6	1.9	0	0	26	11	1	1	4	5	2	1	1	2	0
AKIMPET AERODROME	0530	613	1012.0	943.2	..	20.3	13.0	6.1	9.7	41	..	0.3	..	9.1	0	1	23	00	4	3	6	5	5	1	0	4	0
	0830	613	1013.2	945.1	..	23.7	14.5	6.4	9.8	34	..	0.5	..	10.0	0	1	25	00	2	6	3	2	9	2	2	2	0
	1130	613	1012.3	945.4	..	29.6	16.6	5.5	9.4	24	..	0.3	..	15.1	0	4	24	00	4	3	6	6	5	2	2	0	0
	1730	613	1008.8	942.5	..	30.5	16.4	4.9	8.4	20	..	0.5	..	15.8	0	2	26	04	7	6	6	2	2	0	1	0	0
	2330	613	1012.0	944.3	..	23.1	13.9	5.5	9.1	33	..	0.0	..	10.2	0	0	27	00	7	4	13	3	0	0	0	1	0
HAIDRACHALLAM	0830	111	1013.8	1000.9	-1.0	19.8	16.4	13.8	15.9	69	- 4	1.2	-1.6	2.1	0	0	24	00	22	0	1	0	1	0	0	4	0
	1730	111	1008.9	996.7	-0.5	33.6	18.7	6.3	9.5	19	-11	0.4	-2.2	2.2	0	0	28	00	23	0	4	0	1	0	0	0	0
YDERABAD (BEGAMPET)	0230	545	1012.4	950.6	..	17.8	12.7	8.1	10.6	54	..	0.0	..	2.6	0	0	12	04	3	2	1	2	0	0	0	16	0
	0530	545	1012.8	950.6	..	15.9	12.0	8.4	10.9	62	..	0.2	..	2.0	0	0	10	04	1	1	2	0	0	1	1	18	0
	0830	545	1014.7	953.1	+0.4	19.9	13.9	9.0	11.5	50	-14	0.6	-1.6	5.1	0	0	22	07	2	1	2	1	3	1	5	6	0
	1130	545	1012.5	953.1	..	30.2	17.7	8.1	11.9	26	..	0.4	..	11.5	0	3	25	00	4	4	5	6	6	1	1	0	1
	1730	545	1008.4	949.5	+0.6	31.4	17.7	6.9	10.3	23	-12	0.5	-1.6	11.2	0	3	23	01	6	5	10	2	2	0	0	2	0
	2330	545	1013.3	952.0	..	20.1	13.8	8.6	11.2	48	..	0.1	..	3.2	0	0	17	05	5	1	3	1	0	1	1	11	0
HAMMAM	0830	112	1014.2	1001.5	+0.2	22.9	19.5	17.4	19.9	75	+ 2	1.0	-1.5	1.2	0	0	7	00	0	2	4	1	0	0	0	21	0
	1730	112	1009.2	996.8	-0.2	33.8	21.1	12.5	14.7	28	- 5	0.8	-1.4	0.7	0	0	8	01	0	2	1	2	1	1	0	20	0
AHBUBNAGAR	0830	505	1013.2	956.9	+0.0	24.5	15.4	7.9	10.1	35	-18	0.5	-1.6	3.4	0	0	15	00	6	7	1	0	0	1	0	13	0
	1730	505	1007.9	953.2	-0.1	30.8	16.4	2.7	7.0	17	-11	0.7	-1.2	5.5	0	0	23	00	5	13	2	1	1	1	0	5	0
ALASEEMA																											
URNOOL	0830	281	1014.3	982.2	+0.6	21.3	15.3	10.3	12.5	51	- 6	0.5	-1.1	3.3	0	0	26	00	1	0	7	0	12	0	6	2	0
	1730	281	1008.2	977.5	+0.3	33.8	18.5	5.2	8.9	17	- 7	0.8	-1.3	5.5	0	0	26	00	7	0	16	0	1	0	0	2	2
ANDYL	0830	212	1014.2	990.1	..	23.0	17.0	12.6	14.6	54	..	0.3	..	2.0	0	0	17	01	4	4	1	3	1	0	3	11	0
	1730	212	1008.6	985.3	..	32.4	20.4	10.9	13.0	28	..	0.5	..	9.7	0	1	25	00	2	18	2	1	1	2	0	2	0
ANANTAPUR	0530	350	1011.7	971.5	..	17.8	12.9	8.0	10.9	54	..	0.2	..	1.0	0	0	6	00	1	3	2	0	0	0	0	22	0
	0830	350	1014.0	974.1	+0.6	21.4	14.9	8.9	11.7	46	- 8	0.6	-1.1	1.1	0	0	4	00	0	3	0	0	1	0	0	24	0
	1130	350	1012.7	974.0	..	29.8	17.3	5.9	9.6	24	..	0.4	..	9.9	0	1	25	01	9	10	6	0	0	0	0	2	0
	1430	350	1008.5	970.4	..	32.8	17.8	3.6	8.2	17	..	0.7	..	12.7	0	4	23	00	16	10	1	0	0	0	0	1	0
	1730	350	1007.8	969.6	+0.5	32.2	18.6	7.3	10.4	22	- 4	1.1	-0.9	13.4	0	3	24	00	6	21	0	0	0	0	0	1	0
	2030	350	1010.8	971.9	..	27.1	16.9	8.0	11.0	31	..	0.4	..	6.9	0	1	20	00	2	18	1	0	0	0	0	7	0
	2330	350	1012.1	972.7	..	24.5	15.8	8.2	10.9	37	..	0.3	..	10.6	0	1	27	00	0	17	11	0	0	0	0	0	0
UDDAPAH	0830	130	1014.1	999.2	+0.1	23.6	19.1	16.0	18.4	63	+ 3	0.4	-1.2	0.7	0	0	5	00	0	1	4	0	0	0	0	23	0
	1730	130	1009.2	994.8	+0.3	32.4	22.2	16.0	18.4	39	- 7	0.7	-1.2	6.0	0	0	28	00	4	15	9	0	0	0	0	0	0
ROGYAVARAM	0830	701	1013.3	935.7	-0.1	21.2	15.6	11.8	13.7	57	- 5	0.4	-2.6	3.7	0	0	15	00	0	0	10	1	4	0	0	13	0
	1730	701	1008.1	932.5	+0.2	28.0	17.7	9.7	12.7	32	+ 1	1.4	-1.7	9.9	0	2	26	00	12	3	12	0	1	0	0	0	0
RAS STATE (INCLUDING PONDICHERRY)																											
ADRAS	0830	6	1014.2	1013.3	+0.3	23.7	21.9	20.9	24.7	85	+ 8	2.5	-0.5	2.2	0	0	13	03	1	0	0	1	2	5	1	15	0
	1730	6	1010.6	1009.9	..	27.5	22.3	19.6	22.8	62	..	2.5	..	7.4	0	0	27	01	11	12	3	0	0	0	0	1	0
ADRAS (MINAMBAKKAM)	0230	16	1011.5	1009.7	..	21.5	20.4	19.7	22.9	90	..	1.7	..	1.5	0	0	8	01	1	0	0	2	0	2	2	20	0
	0530	16	1011.7	1009.9	..	20.7	20.0	19.5	22.8	93	..	1.7	..	3.4	0	0	15	00	2	0	0	0	0	10	3	13	0
	0830	16	1014.0	1012.2	+0.0	23.4	21.4	20.3	23.8	83	+ 3	2.7	-0.3	6.7	0	0	27	04	0	0	1	2	3	13	4	1	0
	1130	16	1013.9	1012.1	..	29.7	22.3	18.1	20.9	50	..	3.0	..	10.1	0	1	27	02	3	13	1	7	1	0	1	0	0
	1430	16	1010.8	1009.1	..	30.5	22.2	17.4	19.5	47	..	2.8	..	11.6	0	0	28	04	4	14	5	0	1	0	0	0	0
	1730	16	1010.6	1008.9	-0.1	28.1	21.9	18.4	21.3	56	- 7	2.7	+0.2	11.1	0	0	28	04	5	14	4	1	0	0	0	0	0
	2030	16	1012.8	1011.0	..	24.4	21.7	20.2	23.8	77	..	1.6	..	4.9	0	0	22	04	4	7	4	3	0	0	0	6	0
	2330	16	1013.2	1011.4	..	22.7	20.9	19.9	23.2	84	..	1.3	..	2.8	0	0	11	02	4	1	3	1	0	0	0	17	0
ELLORE	0530	214	1012.4	987.6	..	17.9	16.4	15.4	17.4	85	..	1.1	..	0.2	0	0	1	00	1	0	0	0	0	0	0	27	0
	0830	214	1014.8	990.1	+0.4	20.2	17.3	15.2	17.4	70	- 9	1.8	-1.5	1.1	0	0	8	02	0	1	0	0	1	3	0	20	1
	1130	214	1013.9	989.9	..	28.1	19.6	13.7	15.9	42	..	2.4	..	6.1	0	1	26	02	4	4	0	0	3	8	5	1	1
	1730	214	1009.7	985.9	+0.3	30.3	19.0	10.3	12.8	31	-10	2.0	-0.6	7.6	0	1	27	00	7	10	8	3	0	0	0	0	0
	2330	214	1013.6	989.1	..	22.4	19.0	16.8	19.3	71	..	0.9	..	1.8	0	0	8	01	2	2	3	0	0	0	0	20	0
AMBARAM AERODROME	0830	29	1013.6	1010.3	..	24.0	22.8	22.1	26.6	90	..	2.5	..	8.2	0	0	25	07	2	0	0	1	5	1	9	3	0
	1730	29	1010.4	1007.2	..	28.4	23.7	21.4	25.5	66	..	2.4	..	18.8	0	9	19	00	13	4	6	5	0	0	0	0	0
IRUPPATTUR	0830	390	1015.1	971.4	+1.3	21.6	20.3	19.5	22.7	88	+ 5	6.2	+2.3	3.5	0	0	28	19	1	0	0	8	0	0	0	0	0
	1730	390	1007.9	964.6	-1.3	25.6	23.0	21.7	25.9	79	+33	6.3	+2.1	7.7	0	0	28	13	4	0	0	11	0	0	0	0	0
ETTUR DAM R.S.	0830		..	..	..	22.6	19.1	16.9	19.3	70	..	2.0	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	27.0	24.5	23.2	28.4	80	..	5.0	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or Mr. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADRAS STATE (INCLUDING PONDICHERRY (CONTD.)																											
CUDDALORE	0530+	12	1011.4	1010.1	..	20.5	19.9	19.6	22.8	94	..	1.0	..	0.9	0	0	1	00	2	1	0	0	0	0	0	25	0
	0830	12	1013.7	1012.3	-0.3	22.8	21.5	20.8	24.6	89	+ 5	2.6	-0.9	3.0	0	0	16	02	7	0	0	0	1	1	5	12	0
	1130		1013.8	1012.5	..	27.8	23.6	21.5	25.6	69	..	2.8	..	8.5	0	1	23	01	19	1	3	0	0	0	0	4	0
	1430+	12	1011.0	1009.7	..	28.2	24.2	22.3	26.9	71	..	2.5	..	8.3	0	1	24	02	13	4	7	1	0	0	0	1	0
	1730	12	1010.4	1009.1	-0.4	27.0	23.7	22.3	26.9	76	+ 6	2.4	-1.0	7.9	0	0	26	00	16	6	4	0	0	0	0	2	0
	2330+	12	1013.0	1011.6	..	23.2	22.0	21.3	25.3	86	..	1.2	..	2.1	0	0	8	00	7	2	1	0	0	0	0	18	0
KALLAKKURICHCHI	0830	127	1013.8	999.2	-0.1	21.8	18.7	16.7	19.0	73	- 1	2.8	-0.1	2.4	0	0	12	01	0	0	0	0	0	0	11	16	0
	1730	127	1009.4	995.3	+0.4	30.6	20.5	13.7	15.7	37	- 6	2.6	-0.3	9.5	0	0	27	00	27	0	0	0	0	0	0	1	0
SALEM	0530	278	1011.8	979.8	..	18.7	15.7	13.4	15.4	72	..	0.9	..	1.0	0	0	7	00	2	5	0	0	0	0	0	21	0
	0830	278	1013.9	982.2	+0.0	21.5	16.9	13.4	15.4	60	-12	2.1	+0.0	0.3	0	0	4	00	0	4	0	0	0	0	0	24	0
	1130	278	1012.8	981.9	..	29.0	18.9	10.9	13.0	33	..	2.2	..	4.9	0	0	26	04	5	8	0	0	0	0	0	2	9
	1730	278	1008.3	977.7	+0.3	31.2	18.2	6.3	9.5	24	-11	2.5	+0.0	11.7	0	4	24	00	5	22	1	0	0	0	0	0	0
	2330	278	1012.6	981.1	..	23.4	17.6	12.0	14.0	52	..	1.6	..	8.0	0	0	27	00	4	23	0	0	0	0	0	1	0
COIMBATORE (PILAMEDU)	0530	399	1012.2	966.6	..	17.7	15.6	13.8	15.8	78	..	1.0	..	6.6	0	0	17	07	2	1	0	0	0	0	7	11	0
	0830	399	1014.0	968.8	+0.1	21.9	18.0	15.1	17.6	67	- 4	2.1	-1.1	8.5	0	0	20	07	9	3	0	0	0	0	1	8	0
	1130	399	1012.8	968.7	..	28.1	18.9	11.7	13.7	41	..	2.4	..	12.7	0	3	21	04	15	4	1	0	0	0	0	4	0
	1430	399	1008.8	965.3	..	31.1	20.0	8.4	11.0	26	..	2.2	..	18.8	0	13	15	01	14	12	1	0	0	0	0	0	0
	1730	399	1008.2	964.6	+0.6	30.7	18.7	8.3	11.6	27	- 5	2.3	-0.5	19.0	0	12	16	00	16	12	0	0	0	0	0	0	0
	2030	399	1011.5	964.9	..	24.6	16.7	10.2	12.4	42	..	1.2	..	9.6	0	1	21	01	12	9	0	0	0	0	0	6	0
	2330	399	1012.9	967.9	..	21.8	16.1	11.4	13.5	53	..	1.1	..	9.1	0	1	20	05	9	4	0	0	2	1	0	7	0
COIMBATORE	0830	409	1013.4	967.3	-0.3	23.3	17.7	13.6	15.6	56	-14	3.3	-0.2	3.9	0	0	28	01	22	0	0	3	0	0	1	0	1
NAGAPATTINAM	0830	9	1013.6	1012.5	-0.1	24.8	21.9	20.3	23.8	77	+ 0	4.6	+0.6	8.1	0	3	18	04	6	3	0	0	0	0	8	7	0
	1730	9	1010.2	1009.1	-0.4	27.2	23.0	20.7	24.4	68	- 4	4.0	+0.8	17.9	0	13	15	04	20	2	2	0	0	0	0	0	0
TIRUCHCHIRAPPALLI	0230	88	1011.3	1001.1	..	20.5	19.4	18.7	21.6	89	..	2.3	..	4.7	0	0	16	05	9	1	0	0	0	0	1	12	0
	0530	88	1011.2	1001.1	..	19.9	18.9	18.3	21.0	91	..	2.3	..	4.4	0	0	17	06	7	1	0	0	0	1	2	11	0
	0830	88	1013.5	1003.4	-0.4	23.1	20.3	18.7	21.6	77	- 1	4.1	+1.0	8.5	0	2	20	11	7	1	0	0	0	1	2	6	0
	1130	88	1013.2	1003.3	..	28.8	21.0	16.3	18.5	47	..	3.5	..	14.3	0	5	23	01	20	3	1	1	1	0	1	0	0
	1430	88	1009.5	999.7	..	31.5	20.7	13.3	15.3	34	..	3.1	..	17.6	0	10	18	00	20	8	0	0	0	0	0	0	0
	1730	88	1009.0	999.2	-0.2	30.8	20.5	13.5	15.5	36	- 7	3.0	-0.1	18.1	0	10	18	00	14	14	0	0	0	0	0	0	0
	2030	88	1011.7	1001.7	..	25.4	20.7	17.9	20.5	63	..	1.2	..	11.4	0	0	28	00	9	16	3	0	0	0	0	0	0
	2330	88	1012.7	1002.6	..	22.3	20.3	19.2	22.2	83	..	1.5	..	6.6	0	0	27	00	16	10	1	0	0	0	0	1	0
VEDARANNIYAM	0830	4	1013.2	1012.7	..	25.1	22.7	21.6	25.6	80	..	4.9	..	3.1	0	0	28	09	11	1	1	0	0	0	6	0	0
	1730	4	1011.0	1010.5	..	27.5	23.5	21.6	25.6	70	..	2.3	..	4.6	0	0	28	02	22	1	0	0	0	0	3	0	0
ATIRAMPATTINAM	0830	6	1013.1	1012.4	..	23.1	21.6	20.8	24.6	87	..	3.4	..	6.1	0	0	28	04	10	1	0	0	0	0	13	0	0
	1730	6	1009.6	1008.9	..	28.6	22.4	18.9	21.8	56	..	2.3	..	8.3	0	0	28	00	15	2	10	0	0	0	1	0	0
MADURAI	0830	133	1013.7	998.4	+0.0	22.9	19.8	17.9	20.5	74	+ 0	5.0	+1.3	4.7	0	0	28	07	5	1	1	0	0	5	9	0	0
MADURAI AERODROME	0530	131	1011.2	996.0	..	19.9	18.8	18.1	20.8	90	..	1.9	..	6.1	0	1	19	14	4	0	0	0	0	0	2	8	0
	0830	131	1013.4	998.4	-0.3	23.7	20.1	17.9	20.5	70	- 5	3.7	+0.1	10.2	0	0	28	16	8	1	0	0	0	0	3	0	0
	1130	131	1012.8	998.1	..	28.8	20.6	15.3	17.4	45	..	3.9	..	15.5	0	8	20	09	17	1	0	0	0	0	0	0	1
	1730	131	1008.7	994.1	-0.3	30.8	20.4	13.2	15.2	36	- 8	3.7	-0.2	18.3	0	11	16	01	20	6	0	0	0	0	0	1	0
TONDI	0830	5	1013.4	1012.8	-0.2	23.7	21.5	20.3	23.8	82	+ 1	3.2	-1.7	6.1	0	0	23	16	3	4	0	0	0	0	0	5	0
	1730	5	1009.9	1009.3	-0.2	27.5	23.1	20.9	24.7	67	-10	2.6	-2.2	14.4	0	7	21	00	16	12	0	0	0	0	0	0	0
PAMBAN	0830	11	1012.9	1011.6	-0.4	25.6	23.1	21.7	25.9	80	+ 3	5.6	+1.9	13.4	0	6	22	07	12	8	1	0	0	0	0	0	0
	1730	11	1009.5	1008.2	-0.3	26.4	24.3	22.7	27.6	79	+ 2	5.6	+2.8	17.0	0	9	19	03	24	1	0	0	0	0	0	0	0
TUTICORIN	0830	4	1013.5	1013.1	+0.1	24.6	21.7	20.1	23.5	76	+ 1	3.3	+0.3	12.8	0	1	27	15	10	0	0	0	0	1	2	0	0
	1730	4	1009.2	1008.8	-0.1	27.3	24.1	22.5	27.3	75	+ 2	3.1	+0.9	27.1	0	24	4	00	6	22	0	0	0	0	0	0	0
PALAYANKOTTAI	0830	51	1014.4	1008.6	+1.1	25.0	21.0	18.8	21.7	69	- 6	4.1	-0.1	8.6	0	0	28	27	0	0	0	0	0	0	1	0	0
	1730	51	1008.5	1002.8	-0.3	30.8	22.6	17.9	20.5	47	- 7	4.1	+0.5	10.7	0	1	27	02	8	14	2	0	0	2	0	0	0
KANNIYAKUMARI	0830	37	1012.1	1008.0	..	25.3	20.9	18.2	20.9	65	..	4.1	..	18.7	0	13	15	08	20	0	0	0	0	0	0	0	0
	1730	37	1008.4	1004.3	..	28.3	22.8	19.8	23.1	61	..	4.3	..	20.4	0	16	12	04	12	10	0	2	0	0	0	0	0
COASTAL MYSORE																											
KARWAR	0830	4	1012.8	1012.3	+0.0	21.0	18.7	17.3	19.7	80	+ 0	0.4	-1.5	2.4	0	0	21	00	1	14	2	0	0	0	1	5	3
	1730	4	1008.9	1008.4	-0.5	29.1	24.3	21.8	26.1	65	- 1	0.3	-1.4	6.1	0	1	25	00	0	0	0	1	0	5	16	0	4
HONAVAR	0830	26	1012.6	1009.6	-0.7	21.8	18.3	15.7	18.2	69	- 6	1.0	-1.7	5.7	0	0	27	00	4	22	0	0	0	0	1	1	0
	1730	26	1009.3	1006.0	-0.7	30.0	24.0	21.0	24.9	59	- 5	1.3	-1.1	6.9	0	0	28	01	0	0	0	2	0	21	4	0	0
MANGALORE (BAJPE)	0230	102	1010.5	998.9	..	22.7	21.1	20.1	23.7	86	..	0.6	..	3.1	0	0	14	00	4	7	3	0	0	0	0	14	0
	0530	102	1010.4	998.7	..	21.1	19.8	18.9	22.1	88	..	0.7	..	4.6	0	0	17	00	1	14	2	0	0	0	0	11	0
	0830	102	1012.5	1000.9	-0.4	24.3	20.3	17.5	20.5	68	- 5	0.9	-1.4	8.7	0	0	27	00	1	22	4	0	0	0	0	1	0
	1130	102	1012.3	1000.9	..	31.1	21.3	14.5	17.4	39	..	0.9	..	10.3	0	2	23	00	0	12	7	1	0	2	0	3	3
	1430	102	1008.8	997.5	..	32.5	22.4	15.6	18.8	40	..	1.2	..	21.0	0	18	10	00	0	0	4	0	4	16	4	0	0

+ Wind direction for 28 days.

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lst. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL MYSORE (CONTD.)																											
MANGALORE(BAJPE).(CONTD.)	1730	102	1008.1	996.8	-0.8	29.7	22.7	18.6	21.8	53	- 5	1.3	-0.8	19.2	0	9	19	00	0	0	0	0	0	23	5	0	0
	2030	102	1010.8	999.3	..	26.0	22.7	20.9	24.9	74	..	1.1	..	5.9	0	0	23	06	0	0	0	0	0	6	11	5	0
	2330	102	1011.9	1000.3	..	24.5	22.1	20.8	24.7	80	..	0.7	..	3.4	0	0	15	04	3	3	1	2	0	0	2	13	0
MANGALORE	0830	22	1012.6	1010.1	-0.2	23.9	20.0	17.5	20.2	69	- 6	1.9	-0.4	5.6	0	0	28	00	0	18	10	0	0	0	0	0	0
	1730	22	1008.5	1006.0	-0.6	29.4	23.8	20.8	24.9	61	- 5	1.1	-1.0	7.7	0	0	28	01	0	0	0	0	9	7	8	0	3
INTERIOR MYSORE, NORTH																											
BIDAR	0830	664	1013.6	940.0	+0.7	23.2	14.4	[illegible].1	10.0	29	-21	0.3	-1.4	6.2	0	2	14	02	1	2	3	2	5	1	0	12	0
	1730	664	1007.7	936.2	+0.3	30.6	15.7	0.9	7.0	17	-12	0.5	-1.9	5.5	0	1	18	01	9	6	1	0	2	0	0	9	0
GULBARGA	0830	458	1014.4	962.4	+0.2	22.4	13.1	4.3	8.4	31	-12	0.3	-0.8	2.0	0	0	7	01	5	1	0	0	0	0	0	21	0
	1730	458	1007.9	958.4	+0.4	33.4	17.2	3.1	7.8	15	- 9	0.4	-1.5	6.4	0	0	25	03	10	8	2	1	0	1	0	3	0
BIJAPUR	0830	594	1014.3	947.8	+0.9	20.3	13.1	6.7	9.9	43	- 4	0.4	-1.0	3.6	0	0	23	02	2	0	2	5	3	1	8	5	0
	1730	594	1006.8	943.2	+0.2	32.9	18.1	7.2	9.9	25	- 1	0.5	-1.6	3.2	0	0	27	06	6	4	6	1	0	1	3	1	0
RAICHUR	0830	400	1013.7	968.5	+0.0	23.3	15.9	9.7	12.0	43	-11	2.8	+1.3	3.6	0	0	22	00	4	0	6	0	9	3	0	6	0
	1730	400	1008.1	964.7	+0.1	32.5	17.9	4.4	8.5	18	-11	2.6	+0.5	3.9	0	0	27	00	17	0	9	0	1	0	0	1	0
BELGAUM	0830	753	1014.9	931.2	+1.3	19.9	14.7	10.6	12.9	55	- 6	0.1	-0.7	0.6	0	0	4	00	0	4	0	0	0	0	0	24	0
	1730	753	1006.7	926.4	-0.3	30.9	19.7	12.3	14.8	34	+ 4	0.1	-1.3	4.2	0	0	22	02	0	15	1	2	0	2	0	6	0
BELGAUM(SAMRA)	0530	747	1012.1	928.3	..	17.5	11.8	6.2	9.7	49	..	0.3	..	2.8	0	0	14	01	6	4	3	0	0	0	0	14	0
	0830	747	1013.3	930.5	+0.0	21.4	13.8	7.1	10.3	41	- 9	1.1	-0.5	4.4	0	1	14	01	5	6	3	0	0	0	0	13	0
	1130	747	1011.7	931.0	..	28.7	15.4	3.3	7.9	20	..	1.1	..	13.8	0	8	20	00	4	9	12	2	0	1	0	0	0
	1430	747	1007.7	927.9	..	31.3	15.7	0.7	6.3	14	..	1.4	..	13.4	0	6	22	00	9	11	5	2	0	0	1	0	0
	1730	747	1006.8	927.1	-0.1	31.2	15.7	0.7	6.6	15	-13	0.9	-1.1	8.6	0	1	27	02	9	7	6	1	2	1	0	0	0
	2030	747	1010.9	929.1	..	24.3	15.6	7.9	11.4	39	..	0.3	..	5.7	0	0	20	00	1	4	1	0	5	9	0	8	0
GADAG	0530	650	1011.8	938.9	..	19.1	14.6	10.9	13.4	60	..	0.3	..	4.4	0	0	18	00	0	12	2	0	2	1	0	10	1
	0830	650	1013.5	941.1	+0.1	21.3	16.1	12.3	14.6	57	+ 3	0.5	-1.8	3.9	0	0	26	02	6	11	4	0	2	0	1	2	0
	1130	650	1011.8	941.4	..	30.1	19.2	11.8	14.3	34	..	0.4	..	9.1	0	0	26	00	7	12	4	0	0	1	1	2	1
	1430	650	1007.7	938.3	..	32.9	19.4	9.1	12.7	25	..	0.6	..	8.5	0	0	25	00	8	10	2	1	0	0	0	3	4
	1730	650	1007.2	935.1	-2.1	32.1	19.0	9.9	12.5	26	- 5	0.6	-2.2	9.6	0	0	28	00	19	3	5	0	0	0	1	0	0
	2030	650	1010.7	939.5	..	25.5	16.6	9.8	12.5	38	..	0.4	..	6.1	0	0	20	00	4	17	2	2	0	0	0	2	1
	2330	650	1012.1	940.1	..	22.9	15.9	10.6	12.9	46	..	0.4	..	7.2	0	0	26	00	0	15	6	0	0	3	0	2	2
INTERIOR MYSORE, SOUTH																											
BELLARY	0830	449	1013.8	962.9	+0.1	20.8	17.1	13.7	16.5	65	+14	0.0	-2.0	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
	1730	449	1007.7	959.8	+0.8	33.3	20.2	10.5	13.0	26	+ 1	0.5	-2.0	2.8	0	0	11	00	0	0	0	0	2	0	9	17	0
CHITRADURGA	0830	733	1012.8	931.6	-0.3	21.3	15.3	10.5	13.0	51	- 5	0.6	-1.4	7.4	0	1	22	00	0	11	7	2	1	2	0	5	0
	1730	733	1006.8	928.4	+0.3	30.4	17.7	7.8	10.9	25	+ 1	0.5	-1.9	10.4	0	0	28	01	8	19	0	0	0	0	0	0	0
SHIMOGA	0830	571	1013.9	949.2	-0.1	17.9	14.2	11.2	13.6	63	-13	4.6	+2.0	0.1	0	0	2	00	0	1	0	0	1	0	0	26	0
	1730	571	1006.1	944.7	+0.0	31.9	16.5	3.3	7.9	16	-11	3.3	+0.8	3.1	0	0	26	01	2	23	0	0	0	0	0	2	0
AGUMBE	0830		..	..	..	17.0	14.7	13.4	15.1	79	..	.	..	7.1	0	0	26	00	26	0	0	0	0	0	0	2	0
BALEHONNUR	0830	890	..	..	..	21.5	15.1	9.9	12.5	50	-29	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HASSAN	0830	960	1517.8	907.8	-0.4	16.7	13.1	9.9	12.4	67	- 2	1.2	-1.0	0.9	0	0	5	00	0	3	1	0	0	1	0	23	0
	1730	960	1508.1	904.5	+0.0	28.8	15.9	4.7	8.7	23	- 8	0.4	-2.5	1.9	0	0	18	00	4	12	2	0	0	0	0	10	0
BANGALORE	0230	921	1508.5	911.0	..	17.0	13.4	10.3	12.8	66	..	0.7	..	1.9	0	0	10	00	2	8	0	0	0	0	0	18	0
	0830	921	1526.6	912.6	+0.3	18.7	13.8	9.7	12.2	58	- 9	2.0	-0.6	5.1	0	0	20	00	4	12	2	0	1	0	0	8	1
	1130	921	1542.8	912.6	..	26.3	15.6	6.6	9.9	30	..	1.7	..	11.9	0	4	24	00	8	15	4	0	0	0	0	0	1
	1430	921	1525.4	910.2	..	28.7	15.9	4.8	8.7	23	..	1.4	..	13.6	0	4	24	00	10	15	2	0	0	0	0	0	1
	1730	921	1518.4	909.8	+0.8	27.3	15.4	5.0	8.8	25	- 4	1.9	-0.9	10.6	0	2	26	00	7	19	2	0	0	0	0	0	0
	2030	921	1524.3	911.5	..	22.1	14.2	7.4	10.4	40	..	0.5	..	6.2	0	0	24	00	2	22	0	0	0	0	0	4	0
BANGALORE AERODROME	0530	897	1495.3	912.6	..	15.0	12.6	10.8	12.9	77	..	0.7	..	2.1	0	0	11	00	7	3	1	0	0	0	0	17	0
	0830	897	1523.2	914.8	+0.0	18.6	14.4	10.9	13.0	63	- 1	1.6	-1.2	4.3	0	0	17	00	4	10	2	1	0	0	0	11	0
	1130	897	1541.8	915.0	..	26.4	15.4	5.6	9.1	28	..	1.7	..	15.7	0	7	21	00	5	20	2	0	0	1	0	0	0
	1730	897	1511.7	911.6	+0.3	27.5	15.6	5.0	8.7	25	- 5	1.7	-1.3	14.9	0	4	24	00	4	22	2	0	0	0	0	0	0
	2330	897	1519.6	914.5	..	18.3	13.7	9.7	12.0	59	..	0.6	..	6.1	0	0	26	00	3	21	2	0	0	0	0	2	0
MYSORE	0830	767	1013.7	928.4	+0.0	19.8	15.8	12.9	15.1	66	- 3	2.6	-0.2	8.1	0	1	27	06	4	5	3	5	4	0	1	0	0
	1730	767	1006.7	924.6	+0.0	29.5	15.9	3.5	8.2	20	- 5	1.9	-1.0	17.8	0	10	18	00	8	16	3	0	1	0	0	0	0
KERALA																											
CALICUT	0530	5	1010.5	1009.9	..	22.4	20.6	19.6	22.8	84	..	0.2	..	2.1	0	0	13	00	2	11	0	0	0	0	0	15	0
	0830		1012.3	1011.7	-0.4	24.5	20.9	18.7	21.8	71	- 5	1.2	-1.6	2.0	0	0	19	00	0	19	0	0	0	0	0	9	0
	1130	5	1012.4	1011.8	..	29.8	24.1	21.3	25.3	61	..	1.2	..	3.6	0	0	20	00	0	0	0	1	7	7	5	8	0
	1430	5	1009.9	1009.3	..	31.3	24.6	21.4	25.3	55	..	1.2	..	6.3	0	0	26	00	0	0	0	1	9	13	3	2	0
	1730	5	1008.8	1008.2	-0.2	29.7	24.3	21.6	25.9	62	- 4	1.0	-1.7	5.7	0	0	27	00	0	0	0	0	3	18	6	1	0
	2330	5	1011.6	1011.0	..	25.4	22.9	21.7	25.9	80	..	0.5	..	0.6	0	0	7	00	2	1	0	0	0	4	0	21	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lic. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KERALA (CONTD.)																											
PALGHAT	0830	97	1012.9	1001.9	+0.0	26.5	19.9	15.5	17.8	52	-12	2.0	-0.5	9.8	0	0	27	00	0	27	0	0	0	0	0	1	0
	1730	97	1007.5	996.8	+0.0	34.3	19.9	8.6	11.5	22	-11	1.8	-1.2	7.6	0	0	28	00	0	28	0	0	0	0	0	0	0
FORT COCHIN	0830	3	1012.4	1012.1	-0.3	26.6	21.8	18.9	22.2	64	- 8	4.4	+0.7	5.1	0	0	28	01	16	9	2	0	0	0	0	0	0
	1730	3	1008.1	1007.8	-0.5	28.8	23.8	21.3	25.3	65	- 3	5.0	+1.8	10.4	0	1	27	00	0	0	0	0	7	15	6	0	0
COCHIN(NAVAL AIR STATION)	0230	3	1010.4	1010.1	..	23.3	21.7	20.9	24.7	86	..	2.0	..	0.5	0	0	3	00	1	2	0	0	0	0	0	25	0
	0530	3	1010.1	1009.8	..	22.0	20.5	19.5	22.9	86	..	1.6	..	1.7	0	0	7	01	4	2	0	0	0	0	0	21	0
	0830	3	1012.2	1011.9	..	24.4	20.6	18.3	21.1	69	..	2.3	..	4.2	0	0	20	00	9	10	1	0	0	0	0	8	0
	1130	3	1012.4	1012.1	..	29.4	22.8	18.5	22.4	53	..	2.5	..	6.3	0	0	21	01	0	2	4	4	0	4	6	7	0
	1730	3	1008.1	1007.8	..	29.5	24.3	22.2	26.1	61	..	3.0	..	14.1	0	1	27	00	0	0	0	0	10	16	2	0	0
	2330	3	1011.8	1011.5	..	25.0	22.9	21.9	26.3	83	..	2.6	..	0.3	0	0	3	00	0	0	2	0	0	0	1	25	0
ALLEPPEY	0830	4	1011.9	1011.5	-0.2	25.2	22.0	20.3	23.8	74	- 2	2.3	-1.9	6.1	0	0	28	00	12	8	7	1	0	0	0	0	0
	1730	4	1008.3	1007.9	+0.0	30.0	24.5	21.7	26.3	62	- 8	2.4	-1.2	19.2	0	12	16	01	0	0	0	0	0	8	19	0	0
PUNALUR	0830	34	1012.3	1008.4	-0.2	23.8	20.1	17.9	20.5	71	- 7	3.9	+0.7	1.7	0	0	6	00	2	1	2	1	0	0	0	22	0
	1730	34	1007.7	1003.9	-0.6	32.8	21.6	14.0	16.6	34	-11	4.6	+0.0	7.9	0	0	27	00	4	7	6	3	4	3	0	1	0
TRIVANDRUM	0230	64	1009.9	1002.5	..	24.1	21.5	20.1	23.5	79	..	1.7	..	1.1	0	0	6	00	4	1	1	0	0	0	0	22	0
	0530	64	1009.8	1002.5	..	23.0	20.8	19.5	22.8	81	..	1.5	..	2.8	0	0	15	00	11	0	1	0	0	2	1	13	0
	0830	64	1012.3	1004.7	-0.5	24.7	21.1	19.0	22.1	71	- 8	2.2	-0.1	3.9	0	0	18	01	11	4	0	0	0	0	2	10	0
	1130	64	1011.7	1004.5	..	30.4	22.4	17.8	20.5	48	..	3.7	..	5.3	0	0	22	00	1	4	1	0	5	3	7	6	1
	1430		1008.6	1001.4	..	30.6	23.0	18.8	21.8	50	..	3.3	..	9.4	0	1	26	00	0	1	1	2	11	6	6	1	0
	1730		1008.4	1001.2	-0.7	29.4	23.2	20.0	23.4	58	- 5	3.1	-0.5	7.6	0	0	18	01	11	4	0	0	0	0	2	10	0
	2030		1010.9	1003.6	..	26.7	22.8	20.8	24.6	70	..	2.5	..	4.1	0	0	18	02	1	0	1	0	5	6	3	10	0
	2330		1011.6	1004.3	..	25.3	22.4	20.8	24.7	77	..	2.1	..	5.0	0	0	23	04	3	1	3	0	1	3	8	5	0
TRIVANDRUM AERODROME	0830	8	1012.2	1011.3	+0.2	25.9	21.7	19.2	22.5	68	- 6	3.3	+0.3	4.0	0	0	13	03	7	3	0	0	0	0	0	15	0
ARABIAN SEA ISLANDS																											
AMINI	0530	4	1009.4	1008.9	..	24.4	22.3	21.3	25.3	83	..	2.3	..	6.4	0	0	21	10	7	2	0	0	0	0	2	7	0
	0830	4	1011.8	1011.3	-0.9	25.9	23.2	21.9	26.3	79	+ 6	2.1	-1.0	5.1	0	0	24	08	12	3	1	0	0	0	0	4	0
	1130	4	1012.5	1012.0	..	29.9	24.3	21.7	25.8	61	..	2.1	..	9.9	0	0	28	08	8	6	1	0	2	1	2	0	0
	1730	4	1008.5	1008.1	..	29.5	24.3	21.9	26.1	64	..	2.5	..	8.3	0	3	25	11	3	6	0	0	1	2	5	0	0
	2330	4	1011.1	1010.6	..	25.4	22.8	21.5	25.6	79	..	1.7	..	9.0	0	5	12	07	1	0	0	0	0	3	6	11	0
AGATTI	0830	4	1012.3	1011.8	..	26.9	24.1	22.8	27.7	78	..	3.2	..	2.2	0	0	16	03	12	0	0	0	0	0	0	12	1
	1730	4	1009.6	1009.1	..	29.5	24.5	22.2	26.7	66	..	1.7	..	2.8	0	0	15	11	0	0	0	0	0	0	4	13	0
ANDROTH	0830	5	1011.6	1011.1	..	26.1	23.5	22.3	26.7	80	..	5.1	..	2.9	0	0	25	07	13	4	0	0	0	0	1	3	0
	1730	5	1009.2	1008.7	..	28.9	24.6	22.5	27.3	69	..	3.4	..	3.7	0	0	28	15	5	1	0	0	0	1	6	0	0
MINICOY	0530	2	1010.0	1009.8	..	23.0	21.3	20.5	23.8	85	..	2.1	..	1.7	0	0	7	02	2	2	1	0	0	0	0	21	0
	0830	2	1012.2	1012.0	-0.3	26.1	23.1	21.7	25.8	77	+ 0	2.6	-1.1	4.0	0	0	19	06	5	4	1	0	0	0	3	9	0
	1130	2	1012.7	1012.5	..	29.0	24.1	21.5	25.0	63	..	3.0	..	8.0	0	0	26	06	9	8	0	0	1	0	2	2	0
	1430	2	1009.9	1009.7	..	29.7	24.2	21.6	25.6	62	..	3.6	..	8.7	0	0	27	10	7	6	2	0	0	0	2	1	0
	1730	2	1009.2	1009.0	-0.3	28.7	23.9	21.5	25.6	65	- 7	3.4	-0.6	7.8	0	0	27	09	11	3	0	0	0	1	3	1	0
	2030	2	1011.1	1010.9	..	26.1	22.8	21.1	25.0	74	..	2.1	..	5.7	0	0	22	07	12	2	0	0	0	0	1	6	0
	2330	2	1011.7	1011.9	..	24.8	22.1	21.1	24.4	79	..	2.0	..	5.6	0	0	22	04	10	5	0	1	1	0	1	6	0
HILL STATIONS(EXCLUDING KASHMIR)																											
DALHOUSIE	0830	1959	1445.2	799.6	+0.7	9.5	4.7	-2.5	5.0	49	-13	3.5	+0.9	2.2	0	0	19	00	14	1	4	0	0	0	0	9	0
	1730	1959	1439.3	799.3	+0.9	11.3	6.6	1.3	6.7	53	- 8	4.5	+1.1	1.3	0	0	13	00	6	0	2	0	3	1	1	15	0
DHARMASALA	0830	1211	1543.7	884.3	-0.7	13.3	7.8	0.9	6.5	45	-11	4.1	+1.1	1.6	0	0	15	04	5	2	2	0	0	0	2	13	0
	1730	1211	1530.6	882.9	-1.4	17.0	9.7	1.3	6.7	34	-21	4.9	+1.1	3.3	0	0	28	01	5	2	0	5	13	2	0	0	0
BHUNTAR	0830	1096	1511.8	894.5	..	5.5	4.5	3.3	7.7	86	..	1.4	..	3.5	0	0	18	08	0	3	0	2	1	0	4	10	0
	1130	1096	1519.2	894.1	..	13.0	8.2	2.5	7.3	50	..	4.2	..	5.0	0	1	23	04	4	4	3	5	1	1	2	4	0
	1730	1096	1488.9	890.5	..	15.7	9.4	2.0	7.1	44	..	5.2	..	10.3	0	8	10	04	0	0	3	5	1	0	5	10	0
SIMLA	0830	2202	1493.7	780.9	+0.1	7.8	2.2	-8.0	3.1	37	- 8	3.0	-0.2	1.1	0	0	13	00	4	0	6	1	0	0	2	15	0
GHANGARIA (KANJALIA TOK)	1730	2202	1484.6	780.6	+0.2	9.3	4.0	-4.0	4.4	42	-17	3.6	-0.8	1.4	0	0	20	00	1	0	7	1	8	3	0	8	0
BADRINATH*	0830		..	..	..	1.6	-1.2	-6.4	3.6	55	- 6	0.0	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
JOSHIMATH	0830		..	810.8	+0.3	8.2	3.2	-6.1	3.7	42	- 9	3.1	+0.5	7.9	0	0	28	00	1	15	2	4	4	1	0	0	1
	1730		..	808.6	+0.3	12.9	5.6	-4.8	4.5	33	-15	3.6	-0.7	5.7	0	0	28	02	0	7	3	5	6	2	3	0	0
MUSSOORIE	0830	2042	1491.7	796.0	-1.2	9.0	3.5	-5.8	3.7	40	-16	3.2	-0.1	2.4	0	0	25	11	3	0	1	2	1	0	7	3	0
	1730	2042	1477.9	795.0	-1.5	10.8	6.5	1.7	6.9	53	-18	3.2	-1.0	2.6	0	0	25	06	3	0	4	6	2	0	4	3	0
MUKTESWAR(KUMAUN)	0830	2311	3113.2	772.2	+0.8	7.9	2.1	-8.8	2.9	34	-17	2.1	-0.6	11.8	0	7	19	00	4	1	1	1	1	0	0	2	0
	1730	2311	3107.1	771.0	+0.7	10.1	4.5	-3.5	4.6	42	-18	2.7	-0.6	15.9	0	9	18	00	1	0	0	0	4	13	9	1	0
NAINITAL	0830	1953	1497.4	805.1	+0.7	10.6	4.3	-5.9	3.9	36	-11	1.9	-0.4	5.4	0	0	21	00	9	1	2	0	0	5	4	7	0
	1730	1953	1475.1	803.2	-0.3	10.8	6.2	1.5	6.4	51	-10	1.5	-1.2	8.8	0	0	28	02	0	4	1	1	2	17	1	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HILL STATIONS(EXCLUDING KASHMIR)																											
(CONT'D.)																											
KALIMPONG	0830	1209	1509.4	880.9	+0.6	14.7	10.5	6.5	9.7	58	-19	0.1	-2.5	6.3	0	0	28	00	0	0	0	0	0	0	28	0	0
	1730	1209	1494.1	879.3	+1.6	15.3	10.9	6.8	9.4	57	-22	0.9	-2.8	5.9	0	0	28	00	0	0	22	0	6	0	0	0	0
DARJEELING	0830	2128	1514.6	790.3	-0.5	9.3	6.4	3.3	7.7	68	- 6	2.8	-1.4	1.8	0	0	11	04	3	0	0	0	2	1	0	17	1
	1730	2128	1490.2	787.9	-0.8	8.9	6.6	4.2	8.2	74	- 7	4.4	-1.1	2.8	0	1	15	00	0	0	0	0	12	3	0	12	1
KOHIMA	0830	1406	(R)																								
	1730	1406	(R)																								
SHILLONG(C.S.O.)	0830	1598	1498.0	840.2	-0.1	13.3	8.3	3.2	7.7	52	- 1	0.4	-1.7	2.9	0	0	10	00	0	0	1	1	5	2	1	18	0
	1730	1598	1477.8	838.2	+0.3	12.5	9.6	7.1	10.1	69	+ 2	3.3	-2.0	1.6	0	1	7	00	0	0	0	0	3	5	0	20	0
CHERRAPUNJI	0830	1315	1507.3	869.9	-0.4	14.4	10.6	7.0	10.0	63	+ 2	1.3	-0.8	6.6	0	0	28	00	11	0	0	0	17	0	0	0	0
	1730	1315	1507.0	869.8	+1.8	14.4	11.0	7.9	10.7	67	- 6	0.7	-2.6	6.0	0	0	28	00	9	0	0	0	19	0	0	0	0
ABU	0830	1195	1528.4	884.1	+1.1	17.1	8.8	2.0	7.1	28	-14	0.2	-1.2	2.0	0	1	5	00	0	0	1	0	1	2	2	22	0
	1730	1195	1516.5	882.3	+0.7	22.0	11.1	2.4	5.0	20	-14	0.4	-1.2	4.0	0	0	16	00	0	0	0	2	7	3	4	12	0
AIJAL	0830		(R)																								
	1730		(R)																								
PACHMARHI	0830	1075	1528.7	896.7	+0.2	17.5	9.7	0.2	6.4	34	-20	0.5	-1.4	1.6	0	0	18	00	2	1	0	2	2	3	8	10	0
	1730	1075	1518.8	894.4	+0.3	25.0	12.6	1.1	5.5	18	-19	0.9	-1.4	2.8	0	0	27	01	2	0	0	0	0	3	21	1	0
MAHABALESHWAR	0830	1382	1530.0	865.1	+0.3	18.3	9.8	1.0	6.0	28	-15	0.3	-0.4	10.6	0	1	27	00	15	0	8	0	1	0	4	0	0
	1730	1382	1519.0	863.5	+0.6	25.6	14.2	3.0	7.9	23	-17	0.0	-1.2	9.7	0	0	28	00	13	0	0	0	4	0	11	0	0
MERCARA	0830	1152	1519.5	887.4	+0.0	18.7	12.6	6.5	10.1	48	-25	1.6	-0.5	8.1	0	7	15	01	19	2	0	0	0	0	0	6	0
	1730	1152	1506.9	885.2	+0.4	25.5	14.0	1.8	7.6	25	-28	0.7	-2.0	8.2	0	2	26	05	15	4	0	0	0	0	2	0	2
OOTACAMUND	0830	2249	1528.6	781.1	+0.3	12.0	5.5	2.7	4.9	36	-31	0.8	-0.9	2.5	0	0	14	01	11	0	0	2	0	0	0	14	0
	1730	2249	1488.9	778.8	-0.5	17.7	9.5	1.3	6.7	35	-25	1.1	-2.4	1.4	0	0	15	00	2	12	1	0	0	0	0	13	0
COONOOR	0830		..	..	..	17.7	10.1	2.3	7.5	37	-26	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KODAIKANAL	0830	2343	3161.3	772.1	-0.3	14.5	6.0	10.0	3.7	27	-30	2.2	-0.2	14.4	0	6	22	04	12	9	3	0	0	0	0	0	0
	1130	2343	3178.3	772.7	..	18.1	8.7	4.6	4.9	27	..	2.3	..	14.4	0	7	21	05	11	7	5	0	0	0	0	0	0
	1730	2343	3146.1	770.7	-0.3	14.5	9.3	3.8	8.4	51	-19	3.3	-1.2	5.5	0	0	20	05	5	2	5	1	0	1	1	8	0
NEPAL																											
KATMANDU	0830	1324	1503.3	868.9	-1.6	7.1	5.9	4.6	8.5	84	- 1	0.6	-3.8	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
	1130	1324	1500.1	867.8	..	18.3	11.4	4.5	8.5	41	..	1.1	..	1.1	0	0	9	00	1	1	1	0	2	2	2	19	0
	1730	1324	1474.5	865.3	-2.2	16.6	10.7	4.8	8.7	47	-13	1.8	-1.1	1.4	0	0	12	02	0	1	0	1	1	3	4	16	0
SIKKIM																											
LACHEN	0830		..	..	..	3.3	1.1	2.1	5.1	71	+ 1	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HYDROMETEOROLOGICAL OBSERVATORIES																											
DAMODAR CATCHMENT																											
TILAIYA	0830		..	..	..	19.4	12.3	4.3	8.3	37	..	0.1	..	5.4	0	0	16	00	0	0	0	1	7	8	0	12	0
	1730		..	..	..	26.2	14.5	1.6	6.9	21	..	0.1	..	4.5	0	1	17	00	0	0	0	0	0	10	8	10	0
HAZARIBAGH	0830	615	1012.9	943.9	..	20.2	14.3	9.6	11.9	51	..	0.3	..	8.1	0	2	21	01	1	0	0	0	3	9	9	5	0
	1730	615	1008.8	940.9	..	24.3	15.8	9.3	11.7	39	..	0.0	..	9.3	0	3	23	05	0	0	0	0	1	4	16	2	0
KONAR	0830		..	..	..	18.8	13.4	8.1	10.8	51	..	0.1	..	4.9	0	0	28	00	3	1	0	0	0	20	4	0	0
	1730		..	..	..	21.5	14.9	8.9	11.4	46	..	0.0	..	4.5	0	0	28	00	0	0	0	0	0	24	4	0	0
BOKARO	0830	242	1013.3	985.0	..	18.3	12.8	7.4	10.3	51	..	0.3	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	242	1007.8	980.8	..	27.6	17.3	9.0	11.5	31	..	0.3	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
MAITHON	0830		..	..	..	25.3	14.8	3.6	7.9	26	..	0.5	..	1.5	0	0	16	00	1	0	0	0	9	0	6	12	0
	1730		..	..	..	28.9	16.1	3.3	7.7	20	..	0.6	..	1.3	0	0	16	00	0	0	2	0	8	0	6	12	0
RAMGARH	0830		..	..	..	18.1	11.6	4.3	8.3	43	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	28.1	17.9	9.8	12.1	35	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
PANCHET HILLS	0830		..	..	..	19.5	13.2	8.7	11.2	49	..	0.0	..	1.3	0	0	12	00	0	0	0	0	7	0	5	11	0
	1730		..	..	..	28.2	16.7	5.9	9.3	26	..	0.2	..	0.7	0	0	6	00	0	0	0	0	0	0	6	17	0
DURGAPUR	0830		..	..	..	20.6	14.3	8.4	11.0	47	..	0.6	..	2.9	0	1	15	05	1	0	0	1	0	0	9	12	0
	1730		..	..	..	27.5	17.2	8.1	10.8	31	..	0.6	..	1.9	0	0	16	03	2	0	1	1	0	1	8	12	0
MAHANADI CATCHMENT																											
GINABAHAR	0830		..	..	..	19.1	11.9	4.7	8.7	40	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	1014.0	995.8	..	22.8	16.2	10.9	13.0	48	..	0.1	..	2.6	0	0	17	07	3	1	0	4	1	0	1	11	0
	1130	159	1013.1	995.2	..	29.3	17.8	8.4	11.0	27	..	0.1	..	4.3	0	2	26	02	1	1	0	2	9	7	4	2	0
	1730	159	1009.0	991.3	..	30.5	18.5	9.1	11.5	27	..	0.2	..	0.7	0	0	7	01	0	1	0	1	1	0	3	21	0
BHIMKUND	0830		..	..	..	19.5	14.6	10.5	12.7	57	..	0.5	..	2.5	0	0	13	01	0	0	0	0	0	0	12	15	0
	1730		..	..	..	28.7	17.0	6.9	9.9	26	..	0.7	..	1.2	0	0	9	00	0	0	2	0	4	0	3	19	0
SONEPUR	0830		..	..	..	20.5	15.7	11.9	13.9	58	..	.	..	5.5	0	0	26	00	0	13	0	0	0	13	0	2	0
KHIJRAWAN	0830		..	..	..	20.7	14.1	7.8	10.7	44	..	.	..	4.1	0	0	26	02	5	7	8	3	1	0	0	2	0
	1730		..	..	..	30.2	15.6	- 1.2	5.9	13	..	.	..	8.9	0	0	28	05	7	1	1	2	4	1	7	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed K.m. per hour	No. of observations: Wind Speed (K.m. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NARMADA CATCHMENT																											
BAGRA TAWA	0830		..	..	..	19.2	14.4	10.3	12.5	57	..	0.5	..	7.4	0	0	21	00	8	0	1	4	7	1	0	7	0
	1730		..	..	..	31.0	21.8	16.3	18.6	42	..	0.5	..	7.8	0	0	22	02	6	0	1	1	5	4	5	6	0
PUNASA	0830		..	..	..	21.8	12.9	2.4	7.7	30	..	0.0	..	4.2	0	0	28	00	19	0	1	2	3	0	3	0	0
	1730		..	..	..	30.7	17.8	6.3	9.9	23	..	0.0	..	3.2	0	0	27	00	23	0	2	0	0	2	0	1	0
THIKRI	0830		..	..	..	23.4	14.5	5.8	9.3	33	..	1.5	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																											
DAROI	0830		..	..	..	17.6	10.2	0.4	6.5	32	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	31.5	15.9	-2.5	5.4	13	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GANDAK CATCHMENT																											
JAMOSOM	0830		..	..	..	4.8	2.0	-1.5	5.5	65	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	8.2	5.1	2.1	7.1	66	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	0830		..	..	..	13.8	9.9	6.0	9.4	60	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	19.7	13.0	7.0	10.1	45	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830		..	..	..	7.9	3.3	-3.7	4.7	46	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	15.2	8.0	-0.4	6.0	46	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
POKHARA	0830		..	..	..	14.7	10.6	6.7	9.9	59	..	0.9	..	1.6	0	0	14	07	0	0	0	0	0	0	7	14	0
	1130		..	..	..	20.3	12.9	6.1	9.5	40	..	1.1	..	5.8	0	0	26	00	0	1	12	12	1	0	0	2	0
	1730		..	..	..	20.3	13.0	6.4	9.8	41	..	3.4	..	3.9	0	0	25	01	0	2	16	5	0	0	1	3	0
GORKHA	0830		..	..	..	15.1	11.3	7.8	10.8	62	..	0.6	..	..	.	..	..	05	8	0	1	0	5	0	1	8	0
	1130		..	..	..	19.2	13.7	9.1	11.7	53	..	0.9	..	..	.	..	..	00	0	1	3	3	20	1	0	0	0
	1730		..	..	..	17.7	12.7	8.3	11.1	55	..	1.5	..	..	.	..	..	00	0	0	3	3	18	1	0	3	0
NUWAKOT	0830		(R)																								
	1730		(R)																								
GHAGHARA CATCHMENT (TRANS HIMALAYAN REGION)																											
DAILEKH	0830		..	..	..	12.8	8.4	3.2	7.9	54	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	15.6	10.3	4.4	8.6	49	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT																											
DADELDHURA	0830																										
	1130		Temporarily closed																								
	1730																										
SALLYANA	0830		..	..	..	13.9	8.3	1.7	7.1	45	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	16.9	10.0	1.9	7.4	39	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BUTWAL	0830		..	..	..	18.4	13.1	8.0	10.9	51	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	23.5	15.8	9.2	11.9	42	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BAGHMATI CATCHMENT																											
KATMANDU	0830																										
	1130		Data included under Nepal.																								
	1730																										
KOSI CATCHMENT																											
CHAUTARA	0830		Temporarily closed																								
	1730																										
WALUNGCHUNG GOLA	0830		..	..	..	2.5	1.6	0.3	6.0	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	1.8	0.9	0.8	5.7	80	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHOK	0830		..	..	..	11.7	8.1	3.9	8.2	60	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	16.1	9.8	3.1	7.7	4[illegible]	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BHOJPUR	0830		..	..	..	13.2	8.8	4.5	8.6	57	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	12.1	8.6	5.2	9.0	64	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLEJUNG	0830		..	..	..	9.9	6.9	3.8	8.1	67	..	2.1	..	..	.	..	..	00	2	1	0	0	1	0	0	24	0
	1130		..	..	..	14.6	9.1	3.8	8.1	49	..	2.9	..	..	.	..	..	03	1	2	2	1	1	8	6	4	0
	1730		..	..	..	13.1	8.0	2.7	7.5	50	..	3.8	..	..	.	..	..	01	0	0	4	16	0	1	0	6	0
OKHALDHUNGA	0830		..	..	..	11.1	7.1	2.8	7.6	58	..	0.6	..	1.6	0	0	9	00	0	0	1	1	3	3	0	19	1
	1130		..	..	..	15.3	8.6	1.4	6.9	40	..	1.0	..	5.5	0	2	21	02	0	0	0	0	7	12	0	5	2
	1730		..	..	..	12.2	7.7	2.9	7.8	55	..	1.6	..	5.7	0	3	19	00	0	0	1	2	1	17	1	6	0
CHAINPUR	0830		..	..	..	14.3	10.4	6.7	9.8	60	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	15.4	11.2	7.4	10.3	59	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ANGBUNG	0830		..	..	..	16.7	11.3	5.7	9.7	53	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	18.3	11.8	5.2	9.2	45	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BARAHAKSHETRA	0830	146	1014.1	996.9	..	16.0	12.7	9.6	12.1	41	..	0.4	..	2.2	0	0	19	00	2	10	2	1	1	2	1	9	0
	1130	146	1012.2	995.5	..	23.9	16.1	9.6	12.1	41	..	0.7	..	4.9	0	0	23	00	0	0	0	1	6	12	4	5	0
	1730	146	1009.0	992.2	..	22.3	15.7	10.2	12.7	47	..	1.0	..	1.6	0	0	17	00	4	8	5	0	0	0	0	11	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - FEBRUARY 1967 (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KOSI CATCHMENT (CONTD.)																											
TISTA CATCHMENT																											
GANGTOK	0830	1812	1498.7	819.0	..	8.9	7.0	5.1	8.8	77	..	2.8	..	1.3	0	0	10	02	4	1	0	3	0	0	0	18	0
	1130	1812	1491.4	818.7	..	14.2	9.8	5.9	9.3	58	..	4.1	..	6.1	0	0	27	00	0	0	3	7	15	2	0	1	0
	1730	1812	1470.0	816.4	..	11.8	9.0	6.5	9.7	70	..	6.6	..	5.0	0	1	22	00	1	2	7	13	0	0	0	5	0
GEZING	0830		..	..	..	11.0	8.9	7.0	10.1	77	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	13.7	10.4	7.6	10.5	67	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

MONTHLY MEANS OF UPPER WINDS

During the month, observations of velocity and direction of upper winds were made at 55 stations in India. Out of these, at 40 stations all the observations were taken by means of pilot balloons and at 15 stations some observations were made by means of pilot balloons while the other observations by the radiowind method. In the case of Bangalore, the observations were taken by following radiosonde balloon by means of an optical theodolite. Particulars of these stations, their co-ordinates and the approximate times of the regular pilot balloon and rawin ascents at each station are given in the table overleaf. All radiowind ascents have been indicated by means of an asterisk (*) against the scheduled hours.

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

Data upto 9.0 km. above mean sea level are given under Table IV and data above 9.0 km. above mean sea level under Table V.

In Tables IV and V :

N = represents the number of observations;

S = represents the mean wind speed in metres per second irrespective of direction;

V = represents the resultant mean velocity in metres per second;

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

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

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

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS

S.No.	Station	Latitude ° ' N	Longitude ° ' E	Height of anemometer head a.m.s.l. in metres	Date of opening	Approximate times of flight (I.S.T.)			
1.	Agartala	23 53	91 15	17	28th Nov. 1951	0530		1730	2330
2.	Ahmadabad	23 04	72 38	61	19th May. 1928	0530*	1130	1730*	2330
3.	Allahabad/Bamhrauli	25 27	81 44	103	28th Feb. 1930	0530		1730	2330
4.	Ambala	30 23	76 46	279	1st Apr. 1941	0530	1130	1730	2330
5.	Amini	11 07	72 44	14	15th May. 1965	0530		1730	2330
6.	Anantapur	14 41	77 37	365	12th Feb. 1946	0530		1730	2330
7.	Asansol	23 41	86 59	135	29th May. 1942	0530		1730	2330
8.	Aurangabad/Chikalthan	19 51	75 24	583	7th Oct. 1951	0530		1730	2330
9.	Bahraich	27 34	81 36	134	1st Oct. 1961	0530	1130	1730	
10.	Bangalore	12 58	77 35	936	19th May. 1915	0530@	1130	1730@	2330
11.	Bareilly	28 22	79 24	181	12th Jan. 1943	0530		1730	
12.	Begampet	17 27	78 28	543	1st Sep. 1929	0530	1130	1730	2330
13.	Bhagalpur	25 14	86 57	61	19th May. 1950	0530		1730	
14.	Bhopal/Bairagarh	23 17	77 21	532	26th Feb. 1943	0530		1730	2330
15.	Bhubaneshwar	20 15	85 50	54	5th Dec. 1942	0530		1730	2330
16.	Bhuj/Rudramata	23 15	69 48	90	14th Sep. 1937	0530		1730	2330
17.	Bikaner	28 00	73 18	229	18th Oct. 1946	0530		1730	2330
18.	Bombay/Santacruz	19 07	72 51	27	14th May. 1933	0530*	1130	1730*	2330
19.	Calcutta/Dum Dum	22 39	88 27	13	14th May. 1921	0530*	1130	1730*	2330
20.	Cochin/Willingdon +	09 56	76 14	13	16th Mar. 1942	0530		1730	2330
21.	Dehra Dun	30 19	78 03	692	1st Oct. 1958	0530		1730	
22.	Dibrugarh/Mohanbari	27 29	95 01	112	1st Jun. 1948	0530	1130	1730	2330
23.	Gadag	15 25	75 38	650	3rd May. 1943	0530		1730	2330
24.	Gangtok	27 20	88 16	1764	1st May. 1963	0530		1730	
25.	Gauhati	26 05	91 43	55	12th Mar. 1955	0530*	1130	1730*	2330
26.	Gaya	24 45	84 57	119	19th Mar. 1937	0530		1730	2330
27.	Goa/Dabolim	15 23	73 49	228	Jul. 1965	0530		1730	2330
28.	Gopalpur	19 16	84 53	24	15th Feb. 1946	0530		1730	2330
29.	Gorakhpur	26 45	83 22	83	5th Jan. 1943	0530		1730	
30.	Gwalior	26 14	78 15	208	7th May. 1938	0530	1130	1730	2330
31.	Imphal/Tulihal	24 46	93 54	782	8th Mar. 1952	0530	1130	1730	2330
32.	Jabalpur	23 10	79 57	402	30th Jul. 1928	0530		1730	2330
33.	Jagdalpur	19 05	82 02	562	25th Mar. 1948	0530		1730	2330
34.	Jaipur/Sanganer	26 49	75 48	403	6th Jun. 1953	0530		1730	2330
35.	Jamshedpur	22 49	86 11	144	23rd Jul. 1942	0530		1730	
36.	Jharsuguda	21 55	84 05	240	1st May. 1944	0530		1730	2330
37.	Jodhpur	26 18	73 01	229	15th Oct. 1934	0530*	1130	1730*	2330
38.	Lucknow/Amausi	26 45	80 53	133	20th Nov. 1950	0530*	1130	1730*	2330
39.	Madras/Minambakkam	13 00	80 11	29	8th Apr. 1926	0530*	1130	1730*	2330
40.	Mangalore	12 55	74 53	104	25th May. 1959	0530		1730	2330
41.	Minicoy	08 18	73 00	15	14th Apr. 1941	0530	1130	1730*	2330
42.	Nagpur/Sonegaon	21 06	79 03	316	23rd Apr. 1943	0530*	1130	1730*	2330
43.	New Delhi/Safdarjung	28 35	77 12	227	20th Oct. 1936	0530*	1130	1730*	2330
44.	Poona	18 32	73 51	593	5th Jan. 1925	0530		1730	2330
45.	Port Blair	11 40	92 43	95	29th Oct. 1945	0530*	1130	1730*	2330
46.	Raipur	21 14	81 39	308	15th Jul. 1944	0530		1730	2330
47.	Raxaul	26 59	84 51	83	28th Oct. 1957	0530		1730	
48.	Srinagar	34 05	74 48	1595	1st Aug. 1962	0530*		1730*	
49.	Tiruchchirappalli	10 46	78 43	96	22nd Jun. 1936	0530		1730	2330
50.	Trivandrum	08 29	76 57	73	8th Dec. 1928	0530*	1130	1730*	2330
51.	Udaipur	24 35	73 42	587	24th Jun. 1947	0530		1730	2330
52.	Vengurla	15 52	73 38	8	22nd Nov. 1941	0530		1730	2330
53.	Veraval	20 54	70 22	17	18th Oct. 1941	0530		1730	2330
54.	Vijaywada/Gannavaram	16 32	80 48	32	8th Apr. 1942	0530		1730	2330
55.	Vishakhapatnam	11 07	72 44	14	15th May. 1965	0530		1730	2330

* Radiowind ascents.

@ Radiosonde ascents followed by optical theodolite.

\+ Naval Meteorological Office.

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

FEBRUARY 1967. (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

STATION	AGARTALA												AHMADABAD											
TIME IN I.S.T.	0530				1730				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	01.2	00.9	178	28	01.8	01.4	231	28	01.7	01.3	173	28	01.5	01.2	345	28	02.7	01.6	056	28	01.5	01.2	323
.15 A.G.L.	22	04.3	02.5	211	28	04.3	03.5	228	28	06.4	05.2	192	28	08.2	05.2	356	28	03.5	01.7	047	28	03.9	02.9	313
.3A.M.S.L.	22	05.0	02.9	219	28	04.5	03.7	223	28	06.6	05.5	207	28	08.1	05.3	355	28	03.9	02.0	038	28	03.8	02.7	312
.6 ,,	22	04.9	03.4	244	28	04.7	04.2	222	27	06.3	05.4	230	28	06.7	04.1	340	28	03.8	01.9	004	28	03.9	02.7	310
.9 ,,	21	04.8	03.6	268	28	05.2	04.7	225	27	06.6	06.0	247	28	05.3	03.2	319	28	04.1	01.8	298	28	03.9	02.7	294
1.5 ,,	20	06.7	05.5	276	28	06.3	05.5	247	27	07.7	07.4	271	28	06.1	04.4	269	28	05.6	03.7	267	28	05.3	03.6	270
2.1 ,,	20	10.5	09.2	279	27	10.1	09.3	273	26	10.1	09.1	285	28	07.9	05.5	267	28	06.7	04.9	268	28	07.3	05.2	270
3.0 ,,	18	15.7	14.8	288	25	14.4	13.8	287	19	12.8	12.3	293	28	09.9	07.5	268	28	08.1	07.1	268	28	09.2	07.4	269
3.6 ,,	16	20.4	18.8	297	23	17.6	17.1	289	01	08.0	07.9	320	28	11.6	09.7	265	28	10.3	09.4	276	28	10.7	09.4	273
4.5 ,,	09	23.8	21.2	302	23	21.3	20.8	287					27	13.5	11.9	271	28	12.9	12.2	276	28	13.7	12.9	277
5.4 ,,	05	19.0	18.8	286	14	20.4	19.8	276					27	17.1	15.9	273	28	16.8	16.2	274	27	17.2	16.2	273
6.0 ,,	02	22.0	21.8	298	12	21.3	20.9	278					27	21.2	19.9	274	28	20.3	19.4	276	27	19.8	18.7	272
7.2 ,,	01	25.0	25.0	295	06	27.2	26.0	273					27	27.3	26.3	271	28	24.7	24.0	276	26	25.6	24.7	268
9.0 ,,					02	36.0	34.5	274					24	37.8	35.9	271	26	31.7	30.8	268	23	33.3	32.2	267

STATION	AHMADABAD				ALLAHABAD/BAMHRAULI												AMBALA							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	00.4	00.4	307	28	00.7	00.6	274	28	01.8	01.7	277	28	00.4	00.4	277	28	01.7	01.1	318	28	02.0	00.9	306
.15 A.G.L.	28	04.9	03.9	330	28	05.7	04.2	320	28	05.7	05.2	302	28	07.8	06.7	317	27	08.7	05.4	334	28	06.2	03.0	335
.3A.M.S.L.	28	04.7	03.8	329	28	05.7	04.5	320	28	05.8	05.4	300	28	07.9	07.1	318	27	03.8	02.5	332	28	03.0	01.0	317
.6 ,,	28	04.5	03.3	325	28	07.0	06.3	310	28	06.6	06.3	294	28	08.8	08.2	306	27	09.0	06.0	328	28	07.5	04.2	330
.9 ,,	28	04.5	02.9	312	28	08.6	07.7	310	28	07.9	07.6	294	28	09.4	09.1	294	27	08.3	06.8	327	28	07.9	04.9	325
1.5 ,,	28	05.3	03.3	274	28	12.6	11.7	300	28	11.8	11.2	296	26	12.4	11.7	290	27	08.5	07.2	320	28	07.9	05.3	315
2.1 ,,	28	06.5	04.3	266	28	15.3	14.7	295	28	15.1	14.3	294	22	13.2	12.3	288	26	08.5	07.5	303	25	08.5	06.5	305
3.0 ,,	28	07.8	06.0	273	25	17.6	16.5	290	27	17.9	17.2	288	07	14.0	13.9	280	19	09.7	08.6	283	21	10.1	08.6	289
3.6 ,,	10	07.7	07.0	298	22	19.0	18.1	290	20	17.1	16.2	286	02	14.5	14.4	276	15	10.8	10.5	284	18	11.3	09.9	282
4.5 ,,	02	08.5	08.5	295	15	20.0	19.5	280	12	18.3	17.5	280					12	16.2	15.8	278	12	15.0	13.4	272
5.4 ,,	02	11.0	10.9	284	08	20.7	20.0	272	04	22.7	22.3	273					06	15.8	15.8	278	09	19.0	16.7	275
6.0 ,,	02	10.5	10.5	285	04	27.5	26.8	270									06	18.3	18.1	277	05	22.6	17.6	278
7.2 ,,																					02	23.5	21.7	270
9.0 ,,																								

STATION	AMBALA								AMINI												ANANTAPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	02.6	01.7	300	28	02.2	01.3	323	28	02.6	02.4	001	28	02.6	02.0	358	28	03.0	02.6	320	28	01.0	00.7	136
.15 A.G.L.	28	06.9	04.1	291	28	10.5	05.4	332	28	04.6	04.1	004	28	03.7	02.7	010	28	04.0	03.1	331	28	04.6	03.4	130
.3A.M.S.L.	28	04.4	02.8	284	28	04.3	03.1	324	28	04.5	04.2	008	28	03.8	02.8	013	28	04.0	03.0	328				
.6 ,,	28	07.3	04.5	297	28	09.7	05.9	337	28	04.9	04.3	028	28	03.6	02.4	029	28	03.9	02.4	352	28	05.3	04.2	130
.9 ,,	28	07.5	05.2	310	28	08.6	05.0	329	28	05.6	04.4	060	28	03.7	02.8	052	28	04.3	02.8	050	28	06.7	06.0	107
1.5 ,,	28	08.3	06.6	310	28	08.3	05.6	301	27	07.0	06.6	089	26	05.8	05.2	063	27	07.4	06.9	082	28	07.7	07.2	077
2.1 ,,	27	08.2	06.1	303	23	07.3	05.6	280	24	08.8	08.5	081	26	07.9	07.6	072	26	11.3	10.9	085	28	08.3	07.6	065
3.0 ,,	23	09.7	07.7	290	13	05.5	04.4	256	14	07.0	06.4	087	23	07.8	07.0	073	24	10.0	09.5	078	28	08.0	06.9	055
3.6 ,,	20	10.4	09.1	288	04	09.3	09.3	282	12	06.7	06.1	086	19	07.0	06.5	077	15	08.3	08.1	078	27	07.4	05.9	057
4.5 ,,	17	14.1	13.9	278	03	17.3	13.9	283	07	06.1	04.9	086	16	08.3	07.6	085	07	07.3	06.5	074	27	06.6	03.4	052
5.4 ,,	10	16.3	15.4	273	02	19.5	19.5	270	05	06.0	03.0	095	14	10.2	08.0	066	02	03.5	02.2	249	27	06.6	02.1	027
6.0 ,,	05	16.8	15.8	278					03	05.7	01.4	043	14	10.6	07.5	059	01	08.0	08.0	325	27	07.1	02.8	355
7.2 ,,													07	09.7	07.8	020					27	07.8	03.5	298
9.0 ,,													03	11.0	05.5	331					27	11.1	06.6	284

STATION	ANANTAPUR								ASANSOL												AURANGABAD/CHIKALTHAN			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	03.8	03.4	082	28	03.8	03.6	107	28	00.6	00.5	290	28	01.5	01.3	303	28	00.5	00.5	283	28	00.7	00.7	301
.15 A.G.L.	28	05.8	05.4	075	28	08.9	08.7	110	28	04.6	03.3	308	28	03.7	03.0	308	28	05.4	02.7	325	28	04.1	02.0	039
.3A.M.S.L.									28	04.7	03.5	313	28	03.9	03.4	303	28	05.6	03.0	326				
.6 ,,	28	05.8	05.5	078	28	09.3	09.2	110	28	06.0	05.1	315	28	04.9	04.6	295	28	06.3	04.5	311				
.9 ,,	28	05.9	05.6	081	28	08.9	08.7	110	28	07.3	06.4	307	28	05.5	05.3	295	28	07.1	06.4	298	28	05.1	02.4	051
1.5 ,,	28	06.4	06.0	087	28	06.0	05.5	086	28	10.3	09.6	294	28	07.0	06.7	286	27	09.1	08.7	283	28	04.3	00.2	045
2.1 ,,	28	06.6	06.1	085	28	06.3	05.4	068	28	13.4	12.4	290	28	11.1	10.8	293	25	12.0	11.7	280	28	04.4	00.8	217
3.0 ,,	27	06.5	05.6	071	28	06.5	05.3	050	23	17.3	16.5	299	28	17.4	16.9	296	13	13.8	13.6	299	28	05.7	01.8	276
3.6 ,,	24	05.7	03.9	039	23	05.3	04.0	033	18	17.3	17.3	299	27	19.8	19.0	294	01	15.0	15.0	315	28	06.3	03.3	297
4.5 ,,	24	06.1	03.5	023	14	05.4	02.1	026	15	18.9	18.5	296	24	20.3	20.0	295					23	08.1	06.4	295
5.4 ,,	24	07.2	03.2	358	05	07.6	01.9	190	11	18.9	18.4	289	19	20.0	19.6	289					18	10.5	08.7	285
6.0 ,,	23	06.6	01.9	331	02	05.5	05.5	265	11	21.5	20.9	284	14	20.2	19.6	289					12	10.5	09.7	279
7.2 ,,	19	07.6	03.8	291	01	06.0	06.0	235	06	21.2	20.0	290	07	27.4	26.3	288					06	12.0	11.3	288
9.0 ,,	11	10.1	08.5	264					02	50.5	49.7	289									01	08.0	08.0	297

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

FEBRUARY 1967.(MAGHA 12 - PHALGUNA 9,1888 SAKA)

STATION	AURANGABAD/CHIKALTHAN								BAHRAICH												BANGALORE			
TIME IN I.S.T.	1730				2330				0530				1130				1730				0530@			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	03.0	00.6	308	28	00.8	00.5	339	28	02.4	01.4	290	28	02.0	00.6	284	28	02.4	02.1	274	28	03.5	03.2	090
.15 A.G.L.	28	03.7	00.7	289	28	04.9	03.4	035	27	07.3	05.0	300	28	04.4	02.7	285	28	05.5	04.8	285	28	07.6	06.7	094
.3A.M.S.L.									27	07.5	04.9	298	28	04.3	02.7	283	28	05.7	05.1	285				
.6 ,,									27	09.1	06.8	303	28	06.1	04.0	288	28	06.6	05.5	285				
.9 ,,	28	03.5	01.1	292	28	05.7	03.6	035	25	09.2	08.1	300	28	07.6	06.0	296	28	07.5	06.5	289				
1.5 ,,	28	03.5	00.3	307	28	04.3	01.9	032	18	09.3	09.1	299	24	09.0	08.5	301	23	08.4	07.2	294	28	08.7	08.1	082
2.1 ,,	28	03.7	00.9	307	28	04.1	00.6	025	14	11.9	11.7	297	21	11.0	10.8	301	19	10.6	10.3	302	28	08.5	07.9	073
3.0 ,,	28	05.5	02.3	325	28	04.6	01.3	240	07	11.1	10.4	286	18	13.6	13.0	296	17	13.1	12.7	297	28	08.1	07.1	068
3.6 ,,	28	06.3	04.0	304	27	05.2	02.8	272	07	14.1	12.5	279	16	14.9	14.1	291	14	15.4	15.2	291	28	07.3	06.3	065
4.5 ,,	28	07.7	06.3	298	25	07.4	05.4	292	03	13.0	11.8	289	08	14.1	13.7	291	08	16.7	16.5	290	28	06.7	05.3	070
5.4 ,,	28	11.4	09.9	301	21	10.8	08.4	288					05	18.8	18.8	283	05	17.4	17.2	286	26	06.8	04.1	060
6.0 ,,	28	14.0	12.3	283	16	10.9	09.0	281					04	21.5	21.5	286	05	21.8	21.4	288	26	07.1	03.5	050
7.2 ,,	27	17.4	16.3	279	06	12.8	12.2	281					02	25.5	25.5	267	01	33.0	33.0	310	26	06.7	01.4	043
9.0 ,,	18	23.5	22.2	275																	24	08.7	03.8	283

STATION	BANGALORE												BAREILLY								BEGAMPET			
TIME IN I.S.T.	1130				1730@				2330				0530				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	04.4	03.9	085	28	04.2	03.9	085	28	04.3	03.9	103	28	01.4	00.9	298	28	02.7	02.2	287	28	01.1	00.5	156
.15 A.G.L.	28	06.7	06.3	087	28	06.3	05.9	085	28	09.8	09.5	104	28	08.0	05.3	306	28	05.7	05.0	284	28	05.4	03.4	152
.3A.M.S.L.													28	07.1	04.8	303	28	05.4	04.6	284				
.6 ,,													28	09.4	07.9	305	28	07.4	06.3	290	28	03.9	02.2	164
.9 ,,													28	10.3	08.5	307	27	07.5	06.4	289	28	05.4	03.5	133
1.5 ,,	28	07.6	07.4	083	28	06.2	05.9	083	28	09.3	09.0	087	28	11.9	11.5	304	23	07.8	07.2	297	28	05.6	03.2	088
2.1 ,,	27	09.7	09.3	079	28	06.6	06.3	078	28	08.6	08.0	067	25	11.6	11.2	301	21	09.1	08.4	297	28	06.1	04.4	039
3.0 ,,	27	08.9	08.1	076	28	06.3	06.0	068	28	07.5	06.2	069	19	12.7	12.1	295	17	10.1	09.3	287	28	06.9	04.8	020
3.6 ,,	27	08.5	07.7	074	28	06.4	05.4	062	27	07.2	06.4	057	10	09.6	09.3	282	11	09.2	07.9	280	27	06.8	03.9	011
4.5 ,,	27	07.0	05.5	076	28	06.3	04.7	058	20	06.9	05.4	056	05	11.0	10.5	277	08	14.1	12.9	281	27	06.6	03.8	332
5.4 ,,	27	07.7	04.9	066	28	06.9	04.2	053	11	05.6	01.1	134	04	13.7	13.3	268	03	12.7	11.4	260	27	07.6	05.9	308
6.0 ,,	27	08.1	04.6	049	28	06.8	03.0	035	07	06.3	01.9	107	03	18.7	18.7	281	03	15.0	14.7	258	25	08.7	07.1	292
7.2 ,,	27	07.4	03.1	046	28	07.4	00.9	022	04	05.5	05.0	278	02	29.5	29.3	280	02	18.0	17.8	264	20	10.1	08.6	273
9.0 ,,	20	08.1	01.3	003	26	09.5	03.9	295	01	10.0	10.0	252					01	29.0	29.0	260	11	17.6	12.9	271

STATION	BEGAMPET												BHAGALPUR								BHOPAL/BAIRAGARH			
TIME IN I.S.T.	1130				1730				2330				0530				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	02.4	01.2	163	28	03.1	02.1	095	28	01.6	01.1	106	28	01.6	01.1	233	28	01.9	01.7	284	28	01.6	00.6	057
.15 A.G.L.	28	03.5	01.9	159	28	04.7	02.9	089	28	05.4	03.8	108	28	04.8	03.2	251	28	05.5	04.8	293	28	05.6	01.8	031
.3A.M.S.L.													28	05.3	03.4	275	28	05.9	05.3	289				
.6 ,,	28	03.5	02.1	165	28	04.2	02.7	093	28	04.0	02.9	110	28	06.7	04.7	299	28	07.5	07.0	285	28	05.1	01.6	047
.9 ,,	28	03.7	01.7	123	28	04.4	02.9	090	28	05.6	04.2	110	28	07.0	05.7	301	27	07.2	06.9	279	28	06.1	01.6	331
1.5 ,,	28	05.3	03.0	091	28	04.3	02.9	083	28	04.6	03.0	075	27	09.1	08.1	293	25	09.2	08.6	278	28	06.0	03.8	297
2.1 ,,	28	06.6	04.0	070	28	04.1	02.2	070	28	04.9	02.7	050	23	12.1	11.4	291	22	11.3	10.8	285	28	08.1	06.2	280
3.0 ,,	28	07.2	04.7	049	28	04.1	02.3	030	28	05.3	03.2	258	09	15.4	14.9	295	12	16.6	15.6	293	28	10.5	09.1	278
3.6 ,,	28	06.5	03.0	030	28	05.5	03.1	354	04	05.3	04.9	314	04	18.7	16.3	283	07	22.0	21.3	287	28	11.8	10.5	280
4.5 ,,	28	07.0	04.4	348	28	06.6	04.6	333					02	19.0	18.9	300	04	18.0	17.5	295	28	14.4	13.1	285
5.4 ,,	27	07.9	05.1	324	27	07.8	05.8	310					01	16.0	16.0	295	01	19.0	19.0	310	27	17.2	16.2	287
6.0 ,,	24	08.1	06.2	300	23	09.3	07.3	309													27	19.9	18.6	281
7.2 ,,	08	13.0	09.0	292	20	11.0	08.7	285													25	24.6	23.0	276
9.0 ,,	02	18.0	17.9	002	12	17.8	15.5	268													13	33.9	32.7	268

STATION	BHOPAL/BAIRAGARH								BHUBANESWAR												BHUJ/RUDRAMATA			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	02.5	01.7	298	28	02.1	00.7	336	28	01.6	01.3	271	28	04.0	02.4	176	28	03.3	03.0	216	28	00.9	00.8	255
.15 A.G.L.	28	04.0	03.1	297	28	06.3	08.1	349	21	04.7	03.4	265	28	05.2	02.9	181	28	08.1	07.5	206	28	05.3	04.5	310
.3A.M.S.L.									21	05.6	04.5	253	28	05.1	03.0	202	28	08.1	07.1	214	28	05.9	05.0	313
.6 ,,	28	03.9	03.0	300	28	06.0	02.9	347	21	05.9	04.8	274	28	04.4	02.1	232	28	06.6	05.2	229	28	06.1	05.0	318
.9 ,,	28	04.6	03.8	298	28	05.6	02.6	325	21	05.9	04.1	295	28	04.0	02.6	282	28	05.6	04.3	260	28	05.6	03.8	293
1.5 ,,	28	05.1	03.9	290	28	05.3	02.9	288	21	07.1	06.2	321	28	05.9	05.2	307	28	06.5	05.6	306	28	06.2	04.5	270
2.1 ,,	28	06.9	05.6	284	28	06.3	04.7	288	21	08.6	07.6	320	28	08.3	07.6	317	27	08.4	07.7	318	28	07.4	05.5	268
3.0 ,,	28	10.2	09.3	282	27	08.8	06.8	273	19	09.9	09.0	322	26	11.4	10.7	317	21	08.7	08.0	320	28	07.4	06.0	280
3.6 ,,	28	11.4	10.4	285	19	09.8	08.4	280	17	09.8	09.0	310	25	10.5	09.7	310	04	08.3	07.3	307	03	09.0	08.2	267
4.5 ,,	28	13.8	12.8	285	02	07.0	05.5	273	10	12.4	11.6	295	21	11.9	11.2	303					01	10.0	10.0	307
5.4 ,,	27	17.4	16.5	280					05	15.6	14.5	287	14	14.5	13.6	296								
6.0 ,,	26	20.5	19.5	288					02	18.0	17.5	287	05	14.8	14.1	288								
7.2 ,,	22	23.8	22.7	278									01	51.0	51.0	268								
9.0 ,,	11	29.0	27.0	274																				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

FEBRUARY 1967.(MAGHA 12 - PHALGUNA 9,1888 SAKA)

STATION	BHUJ/RUDRAMATA								BIKANER								BOMBAY/SANTACRUZ			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530 *			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	02.5	01.9	293	28	02.3	01.8	263	28	00.5	00.1	183	28	01.5	01.0	263	28	01.0	00.2	230	28	00.9	00.6	360
.15 A.G.L.	28	03.5	02.4	299	27	05.1	04.5	296	28	06.6	01.4	128	28	04.6	02.4	285	27	08.2	01.9	015	28	05.7	05.2	008
.3A.M.S.L.	28	03.6	02.4	297	27	05.2	04.5	294	28	05.6	01.8	130	28	04.0	02.2	289	27	06.7	01.3	024	28	05.8	05.2	012
.6 ,,	28	03.6	02.9	288	26	05.2	04.2	305	28	06.3	00.9	253	28	04.4	02.4	276	27	07.4	01.3	010	28	05.9	05.2	020
.9 ,,	28	03.4	02.6	283	27	05.1	03.3	310	28	06.0	02.6	279	28	04.8	02.4	270	27	06.3	01.3	257	28	05.4	04.5	022
1.5 ,,	28	05.6	04.4	273	28	06.5	03.2	267	27	07.2	04.8	279	28	05.4	03.3	262	27	07.3	05.5	239	28	05.1	01.8	008
2.1 ,,	28	07.8	06.3	267	28	07.4	05.3	261	27	08.3	07.0	277	28	07.3	05.7	266	27	09.2	06.7	242	28	05.5	01.8	147
3.0 ,,	28	10.3	08.5	273	28	08.4	06.7	272	26	11.3	10.4	273	27	11.8	10.8	270	23	10.4	09.0	270	28	06.9	00.4	240
3.6 ,,	28	11.7	10.3	275	11	07.7	07.3	272	22	12.2	11.0	280	26	15.4	15.0	270	05	10.4	09.4	275	28	06.1	02.5	320
4.5 ,,	28	13.3	12.5	276	02	07.5	07.3	286	19	16.4	15.3	278	25	18.0	17.2	273					28	07.8	05.1	300
5.4 ,,	28	15.9	15.0	275					13	19.9	18.8	280	18	20.2	19.4	278					28	10.4	08.8	285
6.0 ,,	28	18.3	17.4	272					06	20.5	19.6	264	13	21.1	20.6	279					28	12.2	10.7	281
7.2 ,,	20	23.5	22.9	272					03	25.6	25.4	253	02	25.0	25.0	276					28	15.3	14.1	273
9.0 ,,	05	30.4	29.7	269									01	27.0	27.0	265					28	22.4	20.5	280

STATION	BOMBAY/SANTACRUZ												CALCUTTA/DUM DUM							
TIME IN I.S.T.	1130				1730*				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	00.7	00.5	355	28	05.3	05.1	321	28	01.1	00.9	023	28	00.1	00.1	225	28	01.6	01.0	286	28	00.5	00.4	205
.15 A.G.L.	28	02.5	01.6	041	28	07.7	07.3	323	28	05.5	04.7	014	28	04.9	03.4	273	28	03.9	02.6	284	28	03.6	02.1	253
.3A.M.S.L.	28	03.3	02.2	051	28	07.0	06.7	323	28	06.6	06.2	003	28	05.4	03.7	276	28	03.9	02.9	282	28	03.7	02.5	257
.6 ,,	28	04.3	02.7	055	28	05.0	04.3	331	28	06.9	06.4	360	28	06.3	04.4	284	28	04.5	03.7	284	28	03.7	02.9	263
.9 ,,	28	04.6	02.3	044	28	04.5	03.2	349	28	06.2	05.3	001	28	06.5	04.7	290	28	05.6	04.8	282	28	04.3	03.8	273
1.5 ,,	28	04.5	00.9	049	28	04.3	01.8	046	28	04.6	01.9	018	28	08.0	07.1	290	26	08.8	08.3	291	28	06.9	06.6	291
2.1 ,,	28	05.5	00.5	085	28	06.2	02.4	097	28	05.0	01.7	106	28	11.9	10.9	295	25	12.9	12.1	298	28	11.6	11.2	299
3.0 ,,	28	05.4	00.5	309	28	06.4	01.9	070	28	06.0	01.9	099	28	15.7	15.1	300	24	16.8	16.2	297	28	16.6	16.1	304
3.6 ,,	28	05.9	02.8	303	28	05.3	01.6	342	23	05.4	01.5	312	28	16.6	16.0	299	23	17.6	17.2	295	28	16.3	15.8	297
4.5 ,,	28	07.5	05.2	297	28	07.4	05.4	306	18	06.2	04.9	274	28	17.6	16.7	289	17	19.1	18.5	291	28	17.5	17.1	293
5.4 ,,	28	09.9	07.8	287	28	09.4	07.7	282	07	07.0	05.3	274	28	19.4	18.2	288	15	23.3	22.7	288	28	20.8	20.2	295
6.0 ,,	28	11.3	09.5	283	28	10.7	09.0	281					27	22.2	20.7	284	13	28.1	27.3	289	28	22.2	21.8	293
7.2 ,,	24	14.8	13.5	271	28	15.2	14.3	269					27	29.0	27.4	282	08	30.5	28.8	284	28	29.7	28.9	285
9.0 ,,	23	22.1	19.6	272	28	23.0	20.6	270					23	36.4	34.5	276	03	37.7	37.2	269	26	35.8	34.1	278

STATION	CALCUTTA/DUM DUM				COCHIN/WILLINGDON +												DEHRADUN							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	01.0	00.9	190	28	00.5	00.4	055	28	03.9	03.7	269	28	00.0	00.0	000	28	00.3	00.3	003	28	00.9	00.6	252
.15 A.G.L.	28	06.7	05.6	204	28	03.5	02.6	063	28	05.6	05.3	264	28	02.6	00.8	340	28	01.7	00.6	080	28	02.6	01.5	263
.3A.M.S.L.	28	07.2	05.7	217	28	03.0	01.7	038	28	05.0	04.5	271	28	02.7	01.2	321								
.6 ,,	28	06.1	04.6	237	28	02.9	01.4	043	28	04.0	02.6	294	28	02.8	01.0	011								
.9 ,,	28	05.9	04.6	269	28	02.9	01.7	071	28	03.5	02.5	019	28	03.5	02.4	068	28	01.9	00.5	079	28	02.7	01.7	265
1.5 ,,	28	09.0	08.3	291	28	05.1	04.2	068	28	07.2	06.6	059	28	05.1	04.6	079	27	03.1	02.2	297	28	02.6	01.8	272
2.1 ,,	28	13.0	12.0	295	28	06.9	06.4	077	28	08.9	08.3	068	28	06.6	06.1	069	27	05.5	04.1	296	28	03.9	02.7	285
3.0 ,,	18	17.2	16.6	306	18	08.0	06.6	077	27	08.6	08.2	076	15	07.7	06.7	072	25	07.5	06.4	295	26	06.8	05.3	285
3.6 ,,					06	07.8	06.9	071	27	07.3	06.6	076	05	07.8	07.3	090	22	10.0	09.3	291	23	09.1	08.2	291
4.5 ,,					01	18.0	18.0	084	23	08.3	07.1	078	01	11.0	11.0	118	19	15.3	14.8	286	22	15.1	12.6	284
5.4 ,,									13	08.8	07.7	073					12	22.4	22.1	277	18	20.0	19.2	285
6.0 ,,									08	11.3	09.7	065					05	25.2	25.0	273	15	20.9	19.9	279
7.2 ,,									01	10.0	10.0	035					02	25.5	25.5	268	06	25.7	24.4	285
9.0 ,,									01	03.0	03.0	199												

STATION	DIBRUGARH/MOHANBARI																GADAG							
TIME IN I.S.T.	0530				1130				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	00.9	00.8	050	28	01.1	00.9	051	28	01.0	00.9	042	28	00.9	00.8	046	28	03.5	02.6	132	28	03.5	03.0	085
.15 A.G.L.	24	04.4	04.1	058	27	02.6	01.9	068	28	03.6	02.9	050	25	04.0	03.1	037	28	07.5	05.5	119	28	05.4	04.4	082
.3A.M.S.L.	24	04.3	04.1	058	27	02.6	02.0	067	28	03.8	02.9	053	25	04.0	03.1	038								
.6 ,,	24	04.3	03.3	060	27	02.7	01.9	063	28	03.5	02.5	067	25	03.8	02.8	052								
.9 ,,	23	04.2	01.3	078	27	02.9	00.8	101	28	03.1	01.3	084	25	03.3	01.8	094	28	08.7	06.5	113	28	05.6	05.0	083
1.5 ,,	22	03.9	01.4	210	25	03.3	01.7	230	28	04.0	02.6	229	24	03.1	01.4	182	28	08.4	06.8	087	28	05.8	05.2	078
2.1 ,,	22	05.1	02.5	245	25	04.7	02.8	221	26	05.5	04.4	222	24	04.8	03.4	226	28	08.0	07.3	072	28	06.2	05.4	079
3.0 ,,	17	04.2	01.1	205	23	06.0	03.2	223	24	08.1	05.7	222	18	05.8	03.1	201	28	07.4	06.5	063	28	05.5	04.4	064
3.6 ,,	12	04.7	00.9	232	21	07.0	03.5	237	21	08.3	04.6	237	09	04.2	02.5	211	27	06.3	03.9	062	27	04.7	03.2	043
4.5 ,,	08	07.9	03.5	266	14	08.1	07.5	275	13	08.5	05.5	255					25	06.8	02.4	028	21	06.1	02.7	006
5.4 ,,	08	12.5	12.0	273	13	14.3	11.2	273	12	13.1	11.7	271					23	06.7	03.6	004	19	06.5	03.3	342
6.0 ,,	07	13.4	12.6	285	12	16.1	12.1	273	11	14.6	13.5	256					23	06.7	02.7	346	18	06.8	03.3	336
7.2 ,,	06	28.5	27.5	285	09	23.6	23.2	271	10	18.8	17.6	283					19	06.8	03.4	326	16	08.0	04.3	291
9.0 ,,	03	24.7	23.5	295	08	29.6	29.0	270	02	26.5	26.5	269					13	08.4	05.3	332	10	07.7	05.0	284

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

FEBRUARY 1967.(MAGHA 12 - PHALGUNA 9,1888 SAKA)

STATION	GADAG				GANGTOK								GAUHATI											
TIME IN I.S.T.	2330				0830				1730				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	05.0	03.6	105	28	00.5	00.1	225	28	02.2	01.7	156	28	00.7	00.3	085	28	02.0	01.3	044	28	01.3	00.4	224
.15 A.G.L.	28	10.0	07.4	094	28	01.6	00.4	185	17	03.7	03.6	160	28	03.1	00.6	068	28	03.2	01.9	042	28	03.9	00.9	342
.3A.M.S.L.													28	03.1	00.6	066	28	03.4	01.7	047	28	04.0	00.9	338
.6 ,,													28	04.3	01.5	237	28	03.1	00.5	037	28	04.7	01.1	275
.9 ,,	28	09.7	07.8	097									28	05.1	02.5	256	28	04.1	01.4	234	28	04.1	02.1	258
1.5 ,,	28	08.0	07.5	092									28	06.6	03.5	260	27	06.3	03.8	242	28	06.1	05.4	251
2.1 ,,	28	07.3	06.4	072	28	01.8	00.6	168	17	03.5	03.4	162	28	08.3	05.8	262	27	08.0	05.1	251	28	08.3	07.4	238
3.0 ,,	27	06.4	05.6	043	27	02.4	01.4	153	16	02.3	00.7	143	28	13.2	10.0	266	26	08.8	08.1	268	28	11.6	09.6	262
3.6 ,,	26	06.3	04.5	043	26	03.9	01.5	251	08	02.6	01.6	325	28	17.3	14.3	279	25	13.4	10.3	276	28	15.6	14.1	272
4.5 ,,	20	06.5	04.3	039	21	08.6	07.1	258	04	08.5	07.9	256	27	19.7	18.6	278	21	15.0	14.0	283	28	21.2	20.6	273
5.4 ,,	15	05.7	02.1	344	20	11.3	10.2	266	04	11.5	11.1	267	27	24.6	24.1	276	15	28.0	27.0	279	28	25.3	24.8	277
6.0 ,,	09	07.3	03.7	253	16	16.4	15.5	267	04	12.0	10.3	259	25	25.6	24.8	279	04	41.0	40.6	280	28	27.1	25.0	280
7.2 ,,	03	12.3	10.1	268	08	23.1	22.8	285	02	19.5	19.1	278	23	31.8	30.8	285	01	44.0	44.0	300	22	31.4	30.0	282
9.0 ,,					04	42.5	42.3	287					17	46.6	44.5	290	01	40.0	40.0	290	14	47.4	45.2	283

STATION	GAUHATI				GAYA												GOA/DABOLIM							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	01.6	00.4	135	28	02.0	01.4	230	28	03.7	03.4	310	28	01.8	01.4	268	28	02.3	01.5	078	28	05.4	04.0	290
.15 A.G.L.	28	03.3	00.8	170	28	05.4	04.4	267	28	06.2	05.8	298	28	06.2	05.3	305	28	03.0	01.6	095	28	03.7	03.0	279
.3A.M.S.L.	28	03.0	00.9	175	28	06.0	04.7	270	28	06.3	05.8	298	28	06.7	06.2	305	28	04.5	02.3	097	28	04.6	03.9	276
.6 ,,	28	03.3	01.3	238	28	06.7	05.9	299	28	06.6	06.3	290	28	09.6	08.5	304	28	06.7	03.8	083	28	03.7	01.9	268
.9 ,,	28	04.4	02.8	248	28	08.4	07.6	300	28	08.0	08.0	286	28	10.5	10.1	297	28	07.9	06.0	092	28	03.6	01.8	075
1.5 ,,	27	05.8	04.6	246	28	12.0	11.5	297	28	11.6	11.4	287	27	12.3	10.8	285	28	06.2	04.9	087	28	05.9	05.2	080
2.1 ,,	26	08.0	06.5	251	28	15.2	14.6	297	28	15.3	14.9	292	20	12.3	11.9	290	26	06.5	03.9	093	28	07.2	06.3	082
3.0 ,,	17	08.5	03.7	271	25	17.2	16.4	296	26	17.3	16.8	292	07	11.7	11.0	287	10	04.5	03.5	086	23	06.6	04.7	086
3.6 ,,	06	10.1	07.4	282	18	18.0	17.0	299	23	17.8	17.2	290	01	18.0	18.0	260	05	04.6	03.9	040	14	06.3	03.3	065
4.5 ,,	01	17.0	17.0	325	08	18.7	17.7	292	15	17.9	17.1	292					02	02.5	01.9	340	06	06.5	02.1	297
5.4 ,,	01	17.0	17.0	310	03	21.7	20.3	285	05	17.4	17.0	290									03	09.0	03.0	350
6.0 ,,					01	25.0	25.0	260	03	17.7	16.6	290									03	08.0	02.8	249
7.2 ,,																								
9.0 ,,																								

STATION	GOA/DABOLIM				GORAKHPUR												GORAKHPUR							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	03.3	02.8	041	28	01.5	01.0	326	28	03.9	03.5	180	28	03.5	03.1	215	28	01.0	00.7	273	28	01.4	01.4	271
.15 A.G.L.	28	02.8	01.9	010	27	03.4	02.0	283	28	06.5	05.7	176	28	06.7	06.5	210	28	05.7	03.3	300	28	04.4	03.9	277
.3A.M.S.L.	28	04.6	03.0	005	27	03.7	02.5	252	28	06.1	05.1	172	28	06.4	06.1	211	28	06.9	04.3	304	28	05.2	04.6	276
.6 ,,	28	05.0	04.3	001	27	04.2	02.9	252	28	04.0	02.5	172	28	04.5	03.7	208	28	08.0	06.2	306	28	06.4	06.0	275
.9 ,,	28	05.1	02.8	016	27	04.7	02.6	294	28	03.8	00.9	264	28	03.0	01.2	226	28	08.8	07.2	305	28	07.5	07.2	278
1.5 ,,	28	07.7	05.4	072	27	06.0	03.7	342	28	05.3	04.1	321	28	04.8	03.3	324	28	12.0	10.6	299	28	10.3	09.8	293
2.1 ,,	27	07.5	06.1	093	27	06.7	05.4	348	28	07.4	06.7	326	27	07.3	06.2	330	28	14.7	13.9	298	27	14.1	13.6	296
3.0 ,,	17	08.6	07.5	080	22	07.5	05.7	333	28	09.4	08.5	325	22	07.8	06.5	324	27	17.7	17.4	295	27	18.9	18.4	296
3.6 ,,	05	07.6	05.5	087	17	07.7	06.6	328	28	09.4	08.4	318					19	18.0	17.2	292	23	19.2	18.3	295
4.5 ,,	01	12.0	12.0	070	15	08.2	07.2	309	27	11.4	10.6	309					10	16.5	15.6	289	16	18.2	17.5	285
5.4 ,,					12	11.7	10.0	299	25	14.9	13.1	297					03	18.0	17.2	299	09	20.4	19.8	288
6.0 ,,					10	12.5	11.6	288	23	16.6	15.5	288					02	18.5	17.6	297	06	24.0	19.1	289
7.2 ,,									02	20.0	20.0	264					01	23.0	23.0	308	02	27.5	27.5	270
9.0 ,,																								

STATION	GWALIOR																IMPHAL/TULIHAL							
TIME IN I.S.T.	0530				1130				1730				2330				0530				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	00.7	00.4	269	28	02.1	01.4	305	28	02.0	01.8	320	28	00.4	00.2	228	28	00.7	00.3	046	28	01.7	01.0	233
.15 A.G.L.	28	06.0	02.7	324	28	04.1	02.8	308	28	04.8	04.2	324	28	05.3	02.5	357	26	01.8	00.6	072	28	02.3	01.3	235
.3A.M.S.L.	28	04.7	02.2	292	28	03.8	02.7	308	28	04.4	03.8	322	28	04.7	02.0	357								
.6 ,,	28	07.2	04.3	324	28	04.3	02.9	296	28	05.5	04.9	317	28	05.9	02.9	331								
.9 ,,	28	07.3	05.9	316	28	06.1	04.7	303	28	06.0	05.1	309	28	06.4	04.0	303	26	01.9	00.7	074	28	02.4	01.3	234
1.5 ,,	28	09.6	08.8	299	28	09.1	08.1	299	28	07.7	06.8	298	28	08.0	06.6	288	26	04.5	03.4	269	28	03.9	02.7	251
2.1 ,,	28	11.3	10.5	291	28	11.6	10.5	292	28	10.1	09.0	293	27	10.0	08.4	279	25	08.1	06.8	274	26	06.9	05.6	262
3.0 ,,	28	13.5	12.6	285	28	14.2	12.9	285	26	14.7	13.8	286	21	12.7	11.8	269	21	14.2	10.4	279	23	13.4	12.4	277
3.6 ,,	28	14.7	13.7	283	26	15.2	14.2	276	26	16.5	15.8	282	08	14.4	13.8	280	16	14.0	11.9	281	21	14.9	14.1	281
4.5 ,,	25	17.0	15.8	277	25	17.1	16.4	276	25	18.3	17.5	284	04	17.5	17.1	273	14	17.1	15.8	274	17	17.0	16.3	276
5.4 ,,	20	20.0	19.9	282	20	18.7	18.1	280	22	20.3	19.7	283					12	18.1	17.8	278	15	22.6	21.9	275
6.0 ,,	15	22.4	21.5	281	19	20.1	19.1	282	19	22.6	21.8	282					11	22.3	22.1	279	15	27.2	26.0	277
7.2 ,,	09	27.3	26.4	274	15	24.5	23.6	284	11	27.6	26.0	280					08	29.4	28.4	281	15	34.2	33.5	277
9.0 ,,	05	41.6	41.0	277	02	37.5	36.7	265	05	34.0	31.7	287					01	65.0	65.0	301	10	39.4	38.8	274

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

FEBRUARY 1967.(MAGHA 12 - PHALGUNA 9,1888 SAKA)

STATION	IMPHAL/TULIHAL								JABALPUR												JAGDALPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	02.6	02.1	277	28	00.9	00.4	356	28	00.4	00.3	141	28	01.4	01.2	305	28	00.0	00.0	000	28	00.2	00.2	162
.15 A.G.L.	28	04.3	03.7	270	27	02.3	01.0	308	28	03.7	01.3	092	28	03.9	03.3	312	28	04.6	01.7	315	28	02.9	01.0	210
.3A.M.S.L.																								
.6 ,,									28	04.2	01.5	056	28	04.0	03.5	313	28	03.2	01.1	311	28	01.4	00.7	222
.9 ,,	28	04.1	03.5	270	27	02.1	00.9	307	28	05.4	02.6	353	28	04.4	03.8	305	28	04.7	01.9	316	28	03.7	01.0	254
1.5 ,,	28	05.0	04.6	249	27	04.9	04.2	253	28	07.5	05.4	310	28	05.5	04.1	307	28	03.7	01.8	335	28	04.1	02.9	346
2.1 ,,	28	06.7	05.9	253	27	06.9	05.7	262	28	10.3	08.7	299	28	08.0	06.8	295	28	03.6	02.2	351	28	06.0	04.7	349
3.0 ,,	27	11.1	10.0	272	19	09.9	08.4	284	28	11.7	10.3	289	28	12.4	11.5	288	28	05.8	04.5	341	28	08.3	06.6	335
3.6 ,,	23	13.4	12.6	271	13	09.8	08.7	273	27	11.9	10.8	289	28	12.8	11.9	294	20	07.5	05.8	319	28	08.5	07.0	327
4.5 ,,	18	17.5	15.8	276	04	08.7	06.4	286	27	13.7	13.2	291	27	14.9	14.2	287	12	09.0	07.2	293	28	08.8	07.6	311
5.4 ,,	14	23.9	23.6	277	01	20.0	20.0	285	23	18.3	17.8	291	27	18.8	18.1	291	05	12.0	10.3	292	28	11.3	10.2	299
6.0 ,,	13	26.6	26.4	275					17	19.5	18.7	286	24	20.4	20.3	291	02	10.0	10.0	282	28	13.7	12.6	293
7.2 ,,	04	32.0	31.9	272					03	26.7	23.8	256	08	23.8	20.5	282					25	16.7	15.7	280
9.0 ,,	01	44.0	44.0	255									01	11.0	11.0	336					20	23.2	20.4	279

STATION	JAGDALPUR								JAIPUR/SANGANER												JAMSHEDPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	01.3	00.4	257	28	00.0	00.0	000	28	00.6	00.4	035	28	02.4	01.7	308	28	01.3	00.8	003	28	01.2	01.0	306
.15 A.G.L.	28	03.3	00.8	329	28	04.6	01.7	315	28	05.5	02.0	342	28	05.0	03.2	295	28	07.0	03.4	340	28	03.7	03.1	291
.3A.M.S.L.																					28	03.8	02.9	291
.6 ,,	28	02.3	00.5	324	28	03.2	01.1	311	28	06.0	02.3	320	28	05.1	03.7	292	28	07.2	03.1	327	28	04.3	03.2	304
.9 ,,	28	04.0	01.2	333	28	04.7	01.9	316	28	07.0	04.0	300	28	05.3	03.9	291	28	07.5	04.2	307	28	05.9	05.0	304
1.5 ,,	28	03.6	01.6	311	28	03.7	01.8	335	28	08.7	07.0	292	28	06.0	04.6	291	28	07.4	05.6	278	28	10.2	09.3	296
2.1 ,,	28	03.6	02.5	319	28	03.6	02.2	351	28	10.2	08.8	283	28	08.2	07.1	290	28	08.5	06.8	269	28	13.4	12.3	297
3.0 ,,	28	05.7	04.0	320	28	05.8	04.5	341	28	13.3	11.7	280	28	13.0	10.9	284	24	10.7	10.0	275	28	14.9	14.4	299
3.6 ,,	28	07.0	05.0	320	20	07.5	05.8	319	25	14.5	13.5	276	26	14.7	13.3	283	12	14.4	13.7	272	28	16.7	15.9	297
4.5 ,,	28	09.6	08.3	314	12	09.0	07.2	298	23	16.5	15.5	278	25	17.7	17.1	281					24	17.0	16.2	294
5.4 ,,	28	13.0	11.3	304	05	12.0	10.3	292	11	20.4	19.9	272	19	19.8	19.2	279					13	17.8	17.4	285
6.0 ,,	28	14.6	12.8	293	02	10.0	10.0	282	07	20.6	20.2	272	14	21.8	20.9	279					08	18.1	17.1	282
7.2 ,,	28	18.5	16.5	275					02	29.0	28.9	268	07	25.1	24.5	281					03	18.3	15.5	280
9.0 ,,	23	25.1	22.7	270									02	33.0	32.7	287					01	02.0	02.0	315

STATION	JAMSHEDPUR				JHARSUGUDA												JODHPUR							
TIME IN I.S.T.	1730				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	01.6	01.1	296	28	01.1	00.6	020	28	01.9	01.7	252	28	01.1	01.1	217	28	03.7	00.9	013	28	02.0	00.3	057
.15 A.G.L.	28	04.0	02.5	289	28	03.9	01.9	029	28	04.0	03.1	251	28	04.9	02.2	277	28	05.6	00.9	342	28	03.9	00.7	114
.3A.M.S.L.	28	04.1	02.4	288	28	03.0	01.8	034	28	04.0	03.1	250	28	03.6	01.5	259	28	03.9	00.9	012	28	04.8	00.9	091
.6 ,,	28	04.6	03.5	284	28	04.6	02.1	359	28	04.1	03.2	258	28	05.9	03.6	296	28	05.6	01.2	287	28	04.7	00.9	210
.9 ,,	28	05.1	04.3	283	28	05.8	03.9	327	28	04.3	03.7	272	28	05.8	04.4	303	28	05.9	02.4	253	28	06.9	02.6	243
1.5 ,,	28	06.8	06.2	287	28	08.0	06.7	304	28	05.3	04.6	292	28	05.6	04.7	299	28	07.5	05.5	262	28	07.0	04.2	255
2.1 ,,	28	10.3	09.4	293	28	09.6	08.5	305	28	08.4	07.6	310	28	07.8	06.7	308	28	09.0	07.5	270	28	08.3	07.2	244
3.0 ,,	28	14.9	14.4	299	28	11.6	10.7	308	28	12.6	12.0	312	28	10.7	09.3	313	28	12.1	10.8	273	26	09.4	08.6	264
3.6 ,,	28	15.5	15.0	295	27	13.1	12.1	310	28	14.0	13.4	305	01	11.0	11.0	236	28	13.8	12.7	273	25	11.6	10.9	268
4.5 ,,	25	17.5	17.0	293	25	14.0	13.3	303	26	14.5	14.3	298					28	16.8	15.9	272	23	14.8	14.0	267
5.4 ,,	20	20.9	20.5	287	21	16.7	16.0	295	24	17.3	16.6	295					27	20.5	19.8	279	20	17.9	17.1	268
6.0 ,,	16	25.4	24.7	279	20	19.9	19.3	290	24	20.0	18.9	295					27	23.1	22.4	277	18	20.9	19.8	273
7.2 ,,	01	26.0	26.0	263	13	20.5	19.8	287	13	25.7	25.1	280					26	30.2	29.1	275	10	28.6	28.1	269
9.0 ,,					03	32.0	29.0	266	06	30.7	28.1	279					22	39.7	38.8	272				

STATION	JODHPUR								LUCKNOW/AMAUSI															
TIME IN I.S.T.	1730*				2330				0530*				1130				1730*				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	02.7	01.6	257	28	02.9	00.5	337	28	02.7	02.7	315	28	04.0	03.2	282	28	03.5	03.3	280	28	02.3	01.9	280
.15 A.G.L.	28	04.4	02.4	259	28	06.3	00.9	259	28	08.2	06.9	316	28	05.1	04.4	287	28	07.0	06.6	292	28	07.6	06.7	300
.3A.M.S.L.	28	02.9	01.6	256	28	05.0	00.8	287	28	08.2	06.9	316	28	05.2	04.6	287	28	07.0	06.6	292	28	07.6	07.1	302
.6 ,,	28	04.4	02.1	256	28	06.0	01.8	248	28	09.5	08.3	317	28	06.9	06.0	292	28	07.3	07.1	292	28	08.7	08.5	030
.9 ,,	28	04.7	02.7	252	28	05.8	02.6	239	28	10.8	10.4	309	28	08.6	08.1	297	28	07.9	07.6	290	28	09.8	09.3	303
1.5 ,,	28	05.5	03.5	257	28	06.1	04.1	239	28	13.5	13.2	300	28	11.3	11.3	297	28	10.1	09.7	302	26	11.5	11.0	295
2.1 ,,	28	07.6	06.3	266	27	07.5	05.3	250	28	14.6	13.8	294	28	12.6	11.3	295	28	12.7	12.3	300	21	12.0	11.5	289
3.0 ,,	28	11.1	10.0	268	18	08.1	06.6	268	28	15.5	14.6	294	28	13.8	11.9	295	28	15.3	14.6	295	14	09.9	09.3	280
3.6 ,,	28	13.6	12.7	271	09	11.7	10.3	271	27	16.7	16.2	290	27	15.8	15.2	290	28	18.6	17.7	290	01	14.0	14.0	280
4.5 ,,	28	16.5	15.8	273					27	19.6	19.1	288	25	19.0	18.0	284	28	20.3	19.6	290				
5.4 ,,	28	21.7	21.1	274					27	21.9	21.3	284	21	21.6	20.9	283	28	22.5	21.8	287				
6.0 ,,	28	24.3	23.5	274					27	25.7	24.9	285	19	25.2	24.2	284	28	26.3	25.4	286				
7.2 ,,	28	29.5	28.7	276					25	31.7	30.8	283	12	27.7	27.1	280	26	31.8	30.5	280				
9.0 ,,	27	38.9	37.5	272					22	43.3	41.5	283	06	35.0	33.7	269	23	40.2	39.5	279				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

FEBRUARY 1967.(MAGHA 12 - PHALGUNA 9,1888 SAKA)

STATION	MADRAS/MINAMBAKKAM																MANGALORE/BAJPE							
TIME IN I.S.T.	0530*				1130				1730*				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	02.5	01.9	050	28	02.1	01.4	054	28	03.6	03.1	080	28	01.7	00.9	097	28	02.1	01.9	081	28	04.6	04.3	279
.15 A.G.L.	28	04.0	01.9	058	28	03.9	01.9	082	28	05.2	04.3	078	28	05.0	03.5	086	27	05.2	04.2	088	28	05.4	04.8	280
.3A.M.S.L.	28	04.3	02.6	077	28	04.0	02.1	087	28	05.0	04.2	078	28	05.1	04.0	085	27	05.3	04.1	088	28	05.4	04.8	282
.6 ,,	28	04.7	03.7	097	28	04.4	03.7	079	28	04.9	04.3	079	28	05.4	04.7	082	27	05.3	04.3	091	28	03.9	02.2	309
.9 ,,	28	06.4	05.4	096	28	06.3	05.9	082	28	05.5	04.9	077	28	06.8	06.2	079	27	05.3	04.3	088	28	03.0	01.2	015
1.5 ,,	28	08.5	07.8	082	27	08.5	08.2	076	28	07.5	07.0	074	28	08.0	07.7	072	27	06.6	05.8	083	28	06.7	06.2	075
2.1 ,,	28	08.6	08.0	071	25	09.1	08.7	071	28	08.3	07.7	065	27	08.8	08.2	064	27	07.5	06.7	082	28	09.6	09.2	075
3.0 ,,	28	08.5	07.7	067	22	07.6	06.6	061	28	07.5	06.4	060	26	08.3	07.2	058	27	07.3	06.6	076	28	08.2	07.7	066
3.6 ,,	28	07.4	06.2	060	21	06.2	05.5	063	28	06.4	05.6	061	06	05.8	04.8	053	27	06.9	06.2	069	27	08.1	07.4	064
4.5 ,,	28	07.3	05.0	065	20	05.3	03.9	069	28	05.7	04.0	070					26	07.3	05.7	076	27	06.6	04.9	072
5.4 ,,	28	06.1	03.5	050	19	06.1	04.0	050	28	06.5	03.8	043					26	07.7	04.2	071	26	07.7	03.9	070
6.0 ,,	28	07.0	03.6	051	19	06.2	03.5	024	28	07.1	03.7	030					26	07.5	03.4	064	26	08.9	04.0	055
7.2 ,,	28	07.1	01.4	020	16	05.8	02.5	352	28	06.5	01.5	337					23	08.0	01.2	339	21	08.2	01.9	339
9.0 ,,	28	09.0	04.3	302	12	09.8	03.7	302	27	07.6	02.9	306					19	10.3	03.0	287	20	10.3	04.2	293

STATION	MANGALORE/BAJPE				MINICOY																NAGPUR/SONEGAON			
TIME IN I.S.T.	2330				0530				1130				1730*				2330				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	00.9	00.7	356	28	01.1	00.8	008	28	02.1	01.6	039	28	01.7	01.5	360	28	01.7	01.3	031	28	00.7	00.7	354
.15 A.G.L.	28	03.6	03.0	327	28	03.1	02.3	024	28	04.1	03.4	026	28	03.5	02.8	003	28	03.8	02.6	027	28	04.4	02.9	016
.3A.M.S.L.	28	03.7	03.1	328	28	03.5	02.6	028	28	04.5	03.8	026	28	04.2	03.4	009	28	03.9	02.7	032				
.6 ,,	28	03.4	02.8	338	28	04.1	03.4	069	28	04.9	04.4	044	28	04.4	03.6	018	28	04.5	03.3	046	28	04.7	02.1	019
.9 ,,	28	03.6	02.3	022	28	05.8	05.4	082	28	05.7	05.3	064	28	04.8	04.1	037	28	05.5	04.6	068	28	04.5	02.0	004
1.5 ,,	28	07.2	06.3	078	27	08.2	07.9	082	25	07.4	06.9	076	28	06.5	05.7	070	28	06.9	06.6	081	28	04.4	02.0	321
2.1 ,,	28	08.8	08.6	078	24	07.8	07.3	083	23	07.8	07.2	077	28	06.2	05.1	071	24	08.0	07.4	081	28	06.0	03.9	315
3.0 ,,	28	07.3	06.9	067	22	07.0	06.5	088	21	07.8	07.6	079	28	07.1	06.3	070	20	06.9	06.3	081	28	08.2	06.5	300
3.6 ,,	26	07.3	06.2	068	19	07.3	06.5	083	19	08.7	08.2	083	28	07.8	06.8	076	12	05.4	04.9	086	28	09.2	07.2	300
4.5 ,,	18	06.7	03.6	070	19	08.6	08.1	084	14	09.1	08.6	092	28	09.1	08.1	081	06	07.5	07.3	092	28	11.6	10.6	296
5.4 ,,	10	06.2	01.0	044	17	10.5	09.9	082	10	13.6	12.5	085	27	10.7	10.0	073	01	04.0	04.0	085	28	14.7	12.9	281
6.0 ,,	08	08.1	01.2	084	16	10.4	09.5	076	09	12.1	10.2	076	27	10.2	10.0	074					28	17.2	16.4	284
7.2 ,,	02	09.5	07.1	301	15	10.9	08.2	077	07	10.4	08.6	065	26	11.5	08.4	070					27	19.9	18.9	281
9.0 ,,					11	08.9	04.1	071	04	06.5	03.9	082	25	08.7	04.1	051					27	27.9	25.6	276

STATION	NAGPUR/SONEGAON												NEW DELHI/SAFDARJUNG											
TIME IN I.S.T.	1130				1730*				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	01.4	00.5	037	28	01.1	00.5	301	28	01.6	00.6	337	28	02.4	02.1	310	28	01.9	01.3	275	28	02.8	02.1	310
.15 A.G.L.	28	03.0	02.1	025	28	03.2	01.4	317	27	06.0	01.1	074	28	06.9	05.2	324	28	04.5	03.1	293	28	05.6	03.9	306
.3A.M.S.L.													28	06.9	05.2	324	28	03.7	02.5	284	28	05.5	03.8	306
.6 ,,	28	03.3	01.8	025	28	03.0	01.2	310	27	06.1	00.9	052	28	07.9	06.4	314	28	07.0	05.2	301	28	06.2	04.9	303
.9 ,,	28	03.2	00.9	349	28	02.8	01.0	275	27	05.7	01.1	028	28	09.0	07.9	306	28	09.0	07.3	304	28	07.1	05.7	299
1.5 ,,	28	03.7	01.4	318	28	03.3	01.9	300	27	04.8	01.6	305	28	11.5	10.6	299	28	09.7	08.7	301	28	09.2	08.0	298
2.1 ,,	28	05.4	02.9	315	28	05.2	03.2	315	27	05.1	03.3	302	28	11.3	10.5	295	28	09.7	08.6	295	28	10.4	09.3	293
3.0 ,,	28	07.5	05.3	303	28	07.2	05.7	307	27	07.3	05.3	299	28	13.5	12.7	284	24	11.0	10.0	286	28	13.4	12.1	290
3.6 ,,	28	08.3	06.7	303	28	08.7	07.3	300	15	07.4	05.4	299	28	14.8	13.9	280	22	12.9	11.9	275	28	15.8	15.3	287
4.5 ,,	28	10.7	09.7	297	28	10.8	10.0	295	01	06.0	06.0	245	28	19.5	18.0	274	19	16.0	15.0	275	28	19.4	18.6	286
5.4 ,,	28	14.1	13.0	289	28	14.1	12.9	290					28	22.6	21.9	276	15	19.3	18.4	278	28	22.2	21.4	281
6.0 ,,	27	16.6	15.4	281	28	16.7	15.5	285					28	25.7	25.2	276	13	21.3	20.5	276	28	23.8	23.2	280
7.2 ,,	24	21.4	20.3	277	28	19.8	18.6	277					28	32.2	31.6	277	07	22.7	21.9	278	28	30.6	29.8	278
9.0 ,,	14	27.8	24.6	269	28	26.5	24.3	271					28	43.8	43.2	277	05	44.4	43.6	283	28	43.5	42.5	274

STATION	NEW DELHI/SAFDARJUNG				POONA												PORT BLAIR							
TIME IN I.S.T.	2330				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	01.5	01.0	312	28	00.0	00.0	000	28	00.8	00.4	291	28	00.1	00.1	225	28	02.7	02.5	046	28	03.6	03.2	054
.15 A.G.L.	28	07.9	04.5	327	28	02.2	00.9	068	28	03.4	00.8	276	28	04.3	02.7	290	27	04.9	04.6	048	28	05.6	05.4	055
.3A.M.S.L.	28	07.0	03.8	327													27	04.9	04.6	049	28	05.9	05.7	051
.6 ,,	28	07.6	05.1	312	28	01.2	01.0	233	28	02.4	00.5	279	28	01.9	01.2	249	27	06.4	05.9	060	28	06.1	05.7	062
.9 ,,	28	07.7	06.2	297	28	03.9	02.4	066	28	03.4	00.6	277	28	05.8	03.3	310	27	07.0	06.0	076	27	07.0	06.4	074
1.5 ,,	28	07.9	06.8	287	28	05.7	02.7	089	28	03.5	00.3	024	28	05.5	01.6	029	27	07.2	06.3	086	25	07.4	06.7	081
2.1 ,,	28	09.5	08.3	284	28	05.4	02.9	103	28	03.6	00.9	051	28	05.2	03.3	096	27	06.6	05.7	080	21	07.0	06.0	087
3.0 ,,	22	10.5	09.9	282	28	04.5	00.5	010	27	04.1	01.2	016	28	05.0	02.9	085	27	05.8	04.9	068	15	05.3	04.8	083
3.6 ,,	13	11.0	10.4	274	26	05.2	02.4	321	27	05.4	02.7	326	23	05.1	01.7	046	27	06.6	04.4	074	14	05.0	04.5	083
4.5 ,,	04	07.3	06.8	260	07	06.7	05.4	292	27	06.4	04.4	303	04	04.7	04.5	277	27	06.3	04.9	054	11	05.7	04.9	074
5.4 ,,					02	06.0	06.0	269	27	08.6	06.9	287					27	06.9	04.7	050	11	05.5	04.1	077
6.0 ,,									27	10.1	09.0	279					27	06.4	04.1	034	11	06.5	03.2	097
7.2 ,,									26	13.9	12.1	273					27	07.3	02.0	022	08	08.0	03.3	228
9.0 ,,									21	19.8	17.0	277					27	07.3	02.7	195	06	10.1	08.2	212

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

FEBRUARY 1967.(MAGHA 12 - PHALGUNA 9,1888 SAKA)

STATION	PORT BLAIR								RAIPUR												RAXAUL			
TIME IN I.S.T.	1730*				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	04.1	03.9	039	28	03.2	03.1	046	28	01.2	00.2	278	28	01.3	00.5	255	28	01.7	00.7	234	28	01.8	00.9	105
.15 A.G.L.	28	06.0	05.7	042	28	05.6	05.4	051	28	02.7	02.2	353	28	03.4	02.0	279	28	05.8	02.4	256	27	05.2	01.1	121
.3A.M.S.L.	28	06.0	05.7	043	28	06.0	05.7	051													27	05.2	00.9	119
.6 ,,	28	05.8	05.5	049	27	06.6	06.4	061	28	06.0	02.3	348	28	03.7	02.4	278	28	05.7	02.7	279	27	04.7	00.2	208
.9 ,,	28	06.0	05.4	057	24	06.7	05.9	071	28	06.5	02.9	330	28	04.2	03.2	257	28	05.0	02.7	286	27	05.2	00.4	254
1.5 ,,	28	06.8	06.0	078	22	06.6	05.7	092	28	06.0	03.4	311	28	05.0	03.9	293	28	04.9	03.4	297	27	07.3	03.1	287
2.1 ,,	28	06.4	05.5	080	18	05.6	04.7	083	28	07.3	05.4	312	28	06.7	05.6	302	28	05.9	04.4	309	23	09.3	06.3	288
3.0 ,,	28	05.5	04.4	069	18	05.0	04.2	065	28	09.2	07.4	306	28	09.6	08.6	305	28	09.2	07.4	309	09	12.0	11.2	279
3.6 ,,	28	05.6	04.2	060	12	05.0	04.0	083	28	10.6	09.3	305	28	10.6	09.5	307	28	09.8	08.1	309	07	16.4	15.9	284
4.5 ,,	28	05.9	04.7	059	05	06.8	05.0	043	28	12.5	11.7	300	28	12.1	10.9	298	18	10.7	09.7	290	03	15.0	14.3	295
5.4 ,,	28	06.5	04.2	052	03	05.7	03.5	058	28	14.7	13.7	294	28	15.7	14.6	291	07	11.6	10.5	306	01	18.0	18.0	301
6.0 ,,	28	07.0	04.4	048	02	07.5	07.2	034	28	17.5	16.9	289	28	18.9	17.5	288	04	13.5	12.2	291	01	23.0	23.0	311
7.2 ,,	28	07.3	02.9	034					28	22.5	21.4	279	27	23.1	22.1	281	01	20.0	20.0	268				
9.0 ,,	27	07.6	02.1	228					22	29.4	26.3	279	19	29.7	28.5	272								

STATION	RAXAUL				SRINAGAR								TIRUCHCHIRAPPALLI											
TIME IN I.S.T.	1730				0530*				1730*				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	01.6	01.2	246	23	00.3	00.1	135	24	00.8	00.5	323	28	02.4	01.9	006	28	04.6	04.3	076	28	03.6	03.1	084
.15 A.G.L.	28	04.3	03.3	263	23	02.2	00.4	090	24	02.1	01.7	323	28	05.1	03.8	031	28	05.7	05.5	071	28	06.9	06.4	080
.3A.M.S.L.	28	04.3	02.5	261									28	05.0	04.2	041	28	05.8	05.6	069	28	07.6	07.0	077
.6 ,,	28	04.7	03.2	261									26	06.4	06.0	055	28	06.2	06.0	066	28	07.7	07.3	063
.9 ,,	27	05.2	03.2	258									26	06.8	06.3	060	28	06.6	06.4	058	28	07.4	07.1	050
1.5 ,,	26	07.0	04.5	269									26	07.5	07.0	072	28	07.6	07.3	053	28	07.6	07.2	062
2.1 ,,	22	10.2	08.0	288	23	02.5	01.3	157	24	02.0	00.3	058	26	08.8	08.3	071	28	08.7	08.3	061	28	08.3	07.9	064
3.0 ,,	10	12.7	11.5	292	23	04.2	03.3	162	24	04.6	04.0	158	24	08.3	07.5	075	24	07.4	06.8	071	26	06.7	05.8	066
3.6 ,,	05	15.4	05.0	296	23	06.7	05.3	188	24	05.6	04.6	195	21	08.3	07.5	079	24	07.2	06.6	066	25	06.8	05.9	071
4.5 ,,	04	16.7	16.1	297	23	09.1	07.2	235	24	08.6	06.9	238	16	07.9	06.7	074	23	07.1	06.5	077	17	06.9	06.5	090
5.4 ,,	02	21.0	21.0	293	23	14.1	12.0	257	24	12.0	10.7	258	14	09.3	08.0	075	21	07.6	06.7	073	02	07.0	04.3	090
6.0 ,,	02	20.0	19.9	293	23	18.1	16.5	264	24	15.1	13.2	268	09	07.9	03.9	056	18	07.7	06.2	082				
7.2 ,,					23	23.4	21.8	268	24	22.2	21.0	279	02	07.0	03.7	283	10	08.4	05.3	082				
9.0 ,,					23	35.0	33.0	277	24	34.0	33.1	279												

STATION	TRIVANDRUM																UDAIPUR							
TIME IN I.S.T.	0530*				1130				1730*				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	01.8	01.0	046	28	00.9	00.3	300	28	02.9	01.9	253	28	01.1	00.6	324	28	00.1	00.1	315	28	01.0	00.9	264
.15 A.G.L.	28	03.2	01.1	013	28	01.9	00.1	296	28	04.0	03.0	248	28	03.0	01.6	326	28	02.9	01.2	330	28	03.6	02.0	259
.3A.M.S.L.	28	03.1	01.2	012	28	01.9	00.2	054	28	04.0	02.9	252	28	03.1	01.7	300								
.6 ,,	28	02.6	01.0	040	28	01.8	00.7	069	28	03.1	01.5	253	28	03.1	01.4	338								
.9 ,,	28	02.8	01.6	060	26	02.3	01.4	061	28	04.1	03.1	050	28	03.6	02.5	031	28	04.0	01.7	315	28	04.3	02.6	259
1.5 ,,	28	05.4	04.9	069	26	04.6	04.1	067	28	07.6	07.3	050	27	06.1	05.5	060	28	07.0	04.4	285	28	04.5	03.7	267
2.1 ,,	28	06.5	06.0	074	25	07.0	06.3	079	28	08.9	08.6	055	23	07.5	06.5	066	28	08.5	06.9	270	28	05.3	04.4	271
3.0 ,,	28	06.4	05.4	072	24	07.4	06.2	083	28	07.5	07.1	073	19	07.0	05.8	078	28	10.9	09.3	270	28	10.1	09.5	271
3.6 ,,	28	06.8	05.7	083	18	06.8	06.0	082	28	07.8	06.7	076	14	06.9	05.9	089	28	12.6	11.3	274	28	12.6	11.6	275
4.5 ,,	28	09.3	08.6	082	15	09.3	09.1	078	28	08.6	08.4	078	07	09.7	09.6	076	28	16.0	14.3	281	26	16.1	15.4	283
5.4 ,,	27	09.7	09.0	069	13	10.2	09.9	080	28	10.1	09.6	076	01	06.0	06.0	102	24	19.5	18.5	284	26	21.3	20.4	280
6.0 ,,	27	10.5	09.1	073	13	11.1	10.4	075	28	10.4	09.3	073					24	23.3	22.3	283	24	25.0	24.4	279
7.2 ,,	26	09.1	07.1	070	12	10.7	09.1	068	28	08.9	06.2	072					15	31.7	30.3	283	11	27.3	26.4	279
9.0 ,,	26	07.8	03.2	079	11	11.9	05.4	052	28	07.8	03.7	075					02	27.0	26.2	289	02	28.5	28.0	273

STATION	UDAIPUR				VENGURLA												VERAVAL							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	00.0	00.0	000	28	00.7	00.6	011	28	02.4	02.3	265	28	00.7	00.7	002	28	03.7	03.4	002	28	06.4	05.0	284
.15 A.G.L.	28	03.5	01.4	305	28	04.5	03.2	038	28	04.6	04.3	271	28	04.6	04.4	352	28	09.0	03.4	353	28	07.5	05.7	285
.3A.M.S.L.					28	05.4	03.4	047	28	04.6	04.2	269	28	05.6	05.4	350	28	08.0	07.2	348	28	06.4	04.3	295
.6 ,,					28	06.3	03.5	058	28	03.9	01.6	302	28	05.8	05.1	355	28	06.3	05.1	344	28	05.0	03.0	338
.9 ,,	28	04.1	01.8	292	28	07.1	04.1	069	28	03.7	01.0	328	28	05.9	04.1	006	28	04.6	03.1	336	28	04.5	03.4	348
1.5 ,,	28	06.5	04.5	267	28	06.4	04.2	088	28	05.5	04.1	060	28	06.6	04.1	065	28	05.1	02.1	297	28	05.0	03.3	355
2.1 ,,	28	06.8	05.2	260	26	06.1	05.0	094	28	07.6	06.7	069	28	07.5	06.8	086	28	06.9	01.8	251	28	06.1	02.2	322
3.0 ,,	28	11.0	09.4	262	23	05.5	04.3	082	28	07.2	06.1	070	28	06.6	05.8	080	28	06.9	03.2	269	28	06.5	04.1	291
3.6 ,,	25	11.9	10.4	276	13	05.9	02.6	074	28	07.0	04.9	057	17	05.8	03.6	074	02	05.0	05.0	270	28	07.4	05.5	288
4.5 ,,	08	13.4	12.5	282					28	06.5	03.5	042	02	06.0	02.1	315					28	09.7	08.3	282
5.4 ,,									26	06.3	02.3	233									28	12.6	11.4	274
6.0 ,,									26	06.8	02.4	296									28	14.5	13.5	272
7.2 ,,									22	09.0	06.1	275									26	18.8	17.5	271
9.0 ,,									18	13.8	11.3	276									11	23.3	20.6	271

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

FEBRUARY 1967.(MAGHA 12 - PHALGUNA 9,1888 SAKA)

STATION	VERAVAL				VIJAYWADA/GANNAVARAM												VISHAKHAPATNAM							
TIME IN I.S.T.	2330				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	02.8	02.3	343	28	00.6	00.3	093	28	02.4	02.1	148	28	01.0	00.6	185	28	02.3	01.6	314	28	01.9	01.3	189
.15 A.G.L.	28	08.3	07.4	334	23	02.7	01.2	193	28	04.0	03.7	149	28	05.4	04.9	178	28	04.2	03.0	325	28	03.2	02.0	180
.3A.M.S.L.	28	08.3	07.5	339	23	03.2	02.1	178	28	04.0	03.5	147	28	05.4	04.9	170	28	04.1	02.8	325	28	03.1	01.4	208
.6 ,,	28	06.8	05.5	347	23	03.3	02.0	137	28	03.5	03.0	151	28	04.4	03.4	147	28	03.5	01.6	325	28	03.0	00.5	298
.9 ,,	28	05.1	03.7	004	23	03.9	03.0	125	28	03.1	02.1	133	28	04.3	02.9	118	28	03.7	00.7	344	28	03.6	01.0	007
1.5 ,,	28	04.1	01.3	004	22	05.2	04.1	066	28	04.1	02.7	052	28	05.7	03.7	057	28	05.0	01.5	022	28	05.1	02.8	039
2.1 ,,	28	05.6	01.7	297	22	06.5	05.7	050	28	06.1	04.7	043	28	06.3	05.1	034	28	05.8	04.3	014	28	06.1	04.6	024
3.0 ,,	28	06.3	02.8	293	22	06.1	05.1	041	28	06.5	05.1	022	28	06.3	05.1	029	27	07.4	05.2	355	28	06.7	05.3	013
3.6 ,,	17	06.5	04.2	293	22	05.8	04.3	029	28	06.2	04.1	016	26	06.1	04.4	013	28	07.7	05.8	346	28	06.1	04.3	352
4.5 ,,	05	07.8	06.2	273	22	06.5	03.9	002	28	06.6	04.5	338	26	06.6	04.3	351	27	07.9	05.4	319	28	06.6	04.9	310
5.4 ,,					22	07.5	04.7	329	28	07.3	05.2	320	17	06.2	04.4	304	27	10.1	08.3	309	28	08.9	07.5	301
6.0 ,,					21	07.7	05.7	324	28	08.3	06.0	306	16	07.0	04.5	285	27	11.9	08.3	295	28	10.5	09.1	295
7.2 ,,					20	08.4	06.1	301	23	11.6	09.5	300	03	09.7	09.6	274	27	15.2	12.8	288	21	13.8	12.3	289
9.0 ,,					18	13.8	10.0	294	17	15.2	12.0	277					26	19.5	17.0	285	13	20.6	15.1	286

STATION	VISHAKHAPATNAM																							
TIME IN I.S.T.	1730*				2330																			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28	01.9	00.5	255	28	01.8	01.8	266																
.15 A.G.L.	28	03.2	00.5	321	28	04.5	04.2	241																
.3A.M.S.L.	28	03.4	00.3	261	28	04.7	04.1	235																
.6 ,,	28	03.6	01.4	164	28	04.0	03.2	221																
.9 ,,	28	03.7	01.6	135	28	04.1	01.7	208																
1.5 ,,	28	04.9	03.3	029	28	03.9	02.1	016																
2.1 ,,	28	06.0	04.4	360	27	05.1	04.3	015																
3.0 ,,	28	08.2	06.3	358	27	05.8	04.6	357																
3.6 ,,	27	07.5	05.8	343	15	06.1	04.7	299																
4.5 ,,	27	09.4	07.0	325	11	08.3	07.2	305																
5.4 ,,	27	10.7	08.6	307	03	07.7	06.3	294																
6.0 ,,	27	12.2	10.2	303	02	07.5	05.0	261																
7.2 ,,	27	15.3	12.5	290																				
9.0 ,,	26	20.5	16.3	279																				

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

FEBRUARY 1967.(MAGHA 12 - PHALGUNA 9,1888 SAKA)

STATION	AHMADABAD												AMINI				ANANTAPUR							
TIME IN I.S.T.	0530*				1130				1730*				1730				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	18	43.3	41.2	268	14	36.9	33.9	270	15	39.7	36.7	267	01	11.0	11.0	352	27	14.2	09.4	273	09	12.8	10.6	249
12.0	10	46.1	45.0	254	11	42.6	38.2	277	08	38.3	38.1	267	01	19.0	19.0	358	26	14.1	10.5	260	04	12.5	11.2	241
14.1	04	34.5	33.5	260	04	39.3	38.4	268	04	35.5	35.1	273					21	13.0	09.4	230				
16.2	01	26.0	26.0	250	03	39.4	38.0	271									17	08.6	05.3	246				
18.0																	09	04.8	01.2	256				
21.0																	07	07.0	03.0	310				
24.0																	02	11.5	11.4	297				
27.0																								
30.0																								
33.0																								

STATION	AURANGABAD/CHIKALTHAN				BANGALORE												BAREILLY			
TIME IN I.S.T.	1730				0530@				1130				1730@				2330				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	09	28.2	18.8	275	23	11.5	06.2	258	16	08.9	01.8	078	25	10.8	05.8	251	01	09.0	09.0	260	01	43.0	43.0	256
12.0	06	38.3	35.8	263	23	13.0	05.9	246	08	11.4	07.2	175	24	13.5	08.5	229								
14.1	02	57.0	53.0	262	16	12.0	02.8	287	04	17.0	12.4	156	17	13.8	07.0	221								
16.2	01	10.0	10.0	260	10	07.4	01.3	227	04	05.7	01.4	156	14	06.5	02.4	188								
18.0					07	05.4	00.8	087	04	08.0	02.4	100	04	05.3	02.7	010								
21.0					05	07.8	07.5	282	01	18.0	18.0	133	01	09.0	09.0	258								
24.0					01	08.0	08.0	222	01	13.0	13.0	075												
27.0									01	13.0	13.0	145												
30.0																								
33.0																								

STATION	BEGAMPET								BHOPAL/BAIRAGARH								BHUJ/RUDRAMATA				BOMBAY/SANTACRUZ			
TIME IN I.S.T.	0530				1730				0530				1730				1730				0530 *			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	01	13.0	13.0	288	02	19.5	19.4	230	06	43.3	41.2	265	05	38.6	32.6	285	01	50.0	50.0	263	28	28.0	25.4	266
12.0									01	67.0	67.0	235	01	24.0	24.0	260					28	27.5	24.8	266
14.1																					27	27.0	25.4	266
16.2																					22	18.9	17.7	264
18.0																					06	13.3	12.7	258
21.0																					01	06.0	06.0	240
24.0																								
27.0																								
30.0																								
33.0																								

STATION	BOMBAY/SANTACRUZ								CALCUTTA/DUM DUM								DIBRUGARH/MOHANBARI							
TIME IN I.S.T.	1130				1730*				0530*				1730*				0530				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	18	27.6	25.6	262	28	27.6	23.6	269	21	40.2	36.9	265	23	38.4	35.9	269	02	39.5	37.5	280	05	45.6	44.4	270
12.0	10	29.5	26.7	258	26	27.2	24.6	264	14	40.1	38.6	254	15	38.3	36.3	261	02	37.5	37.3	270	03	60.7	59.7	280
14.1	08	28.9	28.1	264	22	25.5	23.6	267	08	33.7	32.3	261	12	30.0	28.7	260	01	55.0	55.0	256				
16.2					16	19.4	18.8	266	05	24.6	23.5	267	08	24.3	22.9	270								
18.0					07	12.1	11.6	259	02	09.5	09.5	290	03	15.7	14.9	278								
21.0					03	05.3	04.8	266	02	13.0	11.3	342												
24.0					01	06.0	06.0	244																
27.0																								
30.0																								
33.0																								

STATION	GADAG								GANGTOK				GAUHATI											
TIME IN I.S.T.	0530				1730				0830				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	11	09.1	06.7	275	08	06.5	06.2	247	01	42.0	42.0	280	11	56.2	51.1	288	01	44.0	44.0	300	09	54.2	40.9	270
12.0	10	06.6	06.3	248	07	08.7	08.0	229					08	52.9	50.1	270	01	40.0	40.0	290	06	51.2	48.2	276
14.1	10	11.1	07.0	220	07	08.3	06.3	198					04	33.0	32.5	259	01	35.0	35.0	270	04	43.7	40.9	270
16.2	10	06.7	02.7	294	06	08.0	03.4	260					02	29.5	29.4	271	01	40.0	40.0	275	02	13.0	12.5	263
18.0	06	05.3	03.5	206	03	06.0	04.7	259					01	15.0	15.0	255	01	21.0	21.0	275				
21.0	05	10.2	05.9	300	01	11.0	11.0	210					01	14.0	14.0	280								
24.0																								
27.0																								
30.0																								
33.0																								

STATION	GWALIOR												IMPHAL/TULIHAL				JAGDALPUR				JHARSUGUDA			
TIME IN I.S.T.	0530				1130				1730				1130				0530				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	03	48.7	48.7	279	01	43.0	43.0	265	01	53.0	53.0	254	05	47.6	46.2	268	13	27.4	23.0	268	02	41.5	35.4	265
12.0													01	59.0	59.0	265	08	28.8	28.1	254				
14.1																	05	22.8	21.2	257				
16.2																	01	10.0	10.0	275				
18.0																								
21.0																								
24.0																								
27.0																								
30.0																								
33.0																								

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

FEBRUARY 1967.(MAGHA 12 - PHALGUNA 9,1888 SAKA)

STATION	JHARSUGUDA				JODHPUR								LUCKNOW/AMAUSI											
TIME IN I.S.T.	1730				0530*				1730*				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	03	39.3	39.0	244	19	46.4	44.7	268	24	43.5	40.7	272	16	45.9	43.9	283	02	41.0	38.0	278	17	50.5	47.7	278
12.0	01	62.0	62.0	247	10	45.2	42.6	268	15	44.7	39.7	271	10	48.6	45.0	276					12	47.6	43.0	266
14.1					02	32.5	31.6	262	07	48.6	45.7	273	04	47.0	38.0	268					06	48.0	45.1	266
16.2									01	40.0	40.0	265	02	41.5	41.5	260					02	42.5	42.5	283
18.0									01	32.0	32.0	265	01	42.0	42.0	265					02	41.5	40.6	268
21.0																					02	40.5	40.5	294
24.0																								
27.0																								
30.0																								
33.0																								

STATION	MADRAS/MINAMBAKKAM												MANGALORE/BAJPE								MINICOY			
TIME IN I.S.T.	0530*				1130				1730*				0530				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	28	10.5	05.2	276	07	09.7	05.4	288	27	09.9	05.6	268	14	11.6	06.1	270	15	13.3	08.0	276	03	11.0	04.2	264
12.0	28	13.4	06.8	252	03	08.7	08.5	282	27	12.7	08.5	229	10	10.0	05.4	270	13	12.4	08.4	229	03	16.0	06.2	237
14.1	26	11.5	05.3	227	01	05.0	05.0	271	27	14.9	07.6	203	06	09.8	05.7	266	06	13.0	08.0	153	02	15.0	14.1	263
16.2	19	05.5	01.6	242	01	06.0	06.0	264	24	06.4	01.7	101	04	06.3	02.0	310	02	08.0	07.7	119	01	04.0	04.0	025
18.0	12	05.8	02.6	020	01	03.0	03.0	291	20	05.9	01.5	112	01	12.0	12.0	190	01	18.0	18.0	053				
21.0	03	05.3	02.3	327					12	08.3	06.5	272	01	20.0	20.0	210								
24.0									03	08.3	07.5	269												
27.0																								
30.0																								
33.0																								

STATION	MINICOY								NAGPUR/SONEGAON												NEW DELHI/SAFDARJUNG			
TIME IN I.S.T.	1130				1730*				0530*				1130				1730*				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	02	06.0	04.3	134	23	09.7	05.4	115	25	32.8	39.6	275	07	39.9	32.1	265	26	32.3	28.9	268	26	56.9	55.4	275
12.0					22	11.8	06.0	141	22	29.1	27.3	256	04	41.7	38.0	286	25	31.7	27.6	268	25	52.7	50.7	270
14.1					19	12.6	03.6	128	18	26.7	25.0	263	01	25.0	25.0	260	20	26.6	25.3	269	25	39.0	38.6	265
16.2					18	06.0	03.3	112	09	23.6	22.0	262					13	20.0	18.4	257	25	22.3	21.6	265
18.0					12	07.7	03.4	235	04	17.3	16.3	248					02	10.0	06.5	249	22	14.4	14.1	275
21.0					04	10.5	10.4	270	03	14.0	13.2	249									14	09.6	09.0	277
24.0									01	16.0	16.0	270									07	07.0	04.8	290
27.0																					01	10.0	10.0	255
30.0																								
33.0																								

STATION	NEW DELHI/SAFDARJUNG								POONA				PORT BLAIR											
TIME IN I.S.T.	1130				1730*				1730				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	02	52.5	51.9	277	28	54.8	52.9	273	13	24.0	19.2	280	26	10.2	04.8	201	05	14.2	03.8	201	27	11.1	06.2	211
12.0					28	52.7	51.3	272	07	19.1	18.5	270	26	11.3	06.3	210	04	14.2	09.8	233	27	12.4	08.3	206
14.1					26	39.9	39.2	265	01	15.0	15.0	266	19	13.1	09.1	198	03	10.6	06.4	200	21	14.7	09.8	192
16.2					20	24.1	23.3	269	01	09.0	09.0	191	16	12.5	06.4	150	02	09.0	08.9	216	17	09.4	03.9	122
18.0					08	11.7	11.2	279	01	28.0	28.0	261	10	07.9	01.6	059					12	05.8	01.1	133
21.0					09	08.2	05.9	242					05	08.0	03.6	208					08	10.8	06.1	256
24.0					05	09.6	09.4	248					01	04.0	04.0	235					02	10.0	09.6	294
27.0																								
30.0																								
33.0																								

STATION	RAIPUR								SRINAGAR								TRIVANDRUM							
TIME IN I.S.T.	0530				1730				0530*				1730*				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	14	34.0	29.4	273	09	31.6	30.6	256	21	44.2	39.6	280	23	39.9	38.7	281	25	09.3	05.9	114	03	10.3	08.0	082
12.0	06	39.2	39.6	265	04	40.7	40.7	241	13	44.5	43.2	278	15	36.7	35.7	282	25	12.0	03.8	141	02	13.0	02.1	083
14.1									04	36.7	36.3	272	04	33.0	32.2	270	22	12.8	03.9	134				
16.2									02	39.5	39.3	285	01	35.0	35.0	290	19	07.2	04.2	046				
18.0																	08	07.4	02.5	320				
21.0																	04	09.3	08.4	263				
24.0																								
27.0																								
30.0																								
33.0																								

STATION	TRIVANDRUM				UDAIPUR				VENGURLA				VERAVAL				VIJAYWADA/GANNAVARAM							
TIME IN I.S.T.	1730*				0530				1730				1730				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	27	09.3	04.8	133	01	17.0	17.0	285	06	24.5	19.8	252	01	32.0	32.0	285	17	16.0	12.5	289	04	15.7	13.2	266
12.0	26	13.3	06.4	142	01	27.0	27.0	285									13	18.2	14.7	267				
14.1	24	13.8	06.9	127													08	19.4	16.8	254				
16.2	22	07.8	04.0	117													04	16.5	11.6	239				
18.0	14	07.3	02.6	142													01	30.0	30.0	225				
21.0	09	11.8	09.9	259													01	23.0	23.0	260				
24.0	03	13.7	12.9	269																				
27.0																								
30.0																								
33.0																								

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

FEBRUARY 1967.(MAGHA 12 - PHALGUNA 9,1888 SAKA)

STATION	VISAKHAPATNAM																							
TIME IN I.S.T.	0530*				1130				1730*															
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	26	22.9	18.6	265	08	22.9	20.9	275	26	23.5	18.9	273												
12.0	26	21.9	20.0	259	07	25.9	23.5	260	26	25.2	19.5	260												
14.1	19	20.3	16.1	270	07	23.6	19.3	262	20	20.5	14.4	270												
16.2	11	13.8	09.6	269	06	16.7	16.2	265	10	15.0	11.3	257												
18.0	01	07.0	07.0	181	04	14.5	09.7	303	01	08.0	08.0	240												
21.0	01	06.0	06.0	270	04	11.0	07.0	296	01	10.0	10.0	280												
24.0					01	08.0	08.0	270																
27.0																								
30.0																								
33.0																								

RADIOSONDE DATA

During the month, observations of upper air temperature, pressure, and humidity were made at 16 stations in India as given in the list below. For detailed description of the instruments used, a reference may be made to the I.M.D. Scientific Notes Nos. : 112 and 113 (Volume IX).

LIST OF RADIOSONDE STATIONS IN INDIA

S.No.	Name of Station	Type of instrument used	Date of Starting	Hours of routine observations in G.M.T. during the month	Remarks
1.	Ahmadabad	Fan type	20th Jul. 1961	00 and 12	
2.	Bangalore	Fan type	10th Mar. 1961	00 and 12	
3.	Bombay/Santacruz	Clock type	7th Sep. 1954	00 and 12	
4.	Calcutta/Dum Dum	Clock type	13th Dec. 1946	00 and 12	Fan type from 13.12. 1946 to 30.11.1947.
5.	Cochin/Ernakulam	Fan type	1st Aug. 1966	00 and 12	
6.	Gauhati	Clock type	22nd Jul. 1955	00 and 12	
7.	Jodhpur	Clock type	17th Apr. 1946	00 and 12	
8.	Lucknow/Amausi	Clock type	15th Aug. 1966	00 and 12	
9.	Madras/Minambakkam	Fan type	29th Jun. 1946	00 and 12	
10.	Minicoy	Fan type	12th May. 1963	12	
11.	Nagpur/Sonegaon	Fan type	1st Oct. 1946	00 and 12	
12.	New Delhi/Safdarjung	Clock type	3rd Dec. 1943	00 and 12	
13.	Port Blair	Fan type	4th Dec. 1949	00 and 12	
14.	Srinagar	Clock type	1st Aug. 1962	00 and 12	
15.	Trivandrum	Fan type	1st Jul. 1947	00 and 12	
16.	Vishakhapatnam	Fan type	8th Dec. 1946	00 and 12	

RADIO SONDE DATA

TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE

(A) FROM ASCENTS AT 00 HRS G.M.T.

FEBRUARY 1967. (MAGHA 17 - PHALGUNA 9, 1888 SAKA)

STANDARD PRESSURE SURFACE	AHMADABAD SURFACE PR (1006 MB)						BANGALORE (911 MB)						BOMBAY/SANTACRUZ (1010 MB)					
MB	NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT
SURFACE	28	00055	289.7	294	286	278.6	28	00921	288.2	293	285	283.7	28	00013	292.5	295	290	285.5
1000	28	00103	290.9	295	286	277.5	28	00129					28	00095	294.6	301	291	283.6
900	28	01027	295.1	300	291	271.3	28	01026	289.2	293	286	283.0	28	01021	296.3	301	291	276.9
850	28	01514	292.1	296	287	268.1	28	01514	290.4	295	285	277.4	28	01519	293.6	297	289	274.6
800	28	02029	288.5	292	282	267.6	28	02031	288.5	293	283	273.9	28	02040	289.6	293	285	273.5
700	28	03152	281.1	286	277	260.4	28	03151	282.5	285	277	269.2	28	03161	281.5	285	278	266.7
600	28	04401	273.0	277	268	252.5	28	04414	276.6	279	274	263.0	28	04421	274.7	279	269	262.8
500	28	05835	263.8	266	257		28	05870	267.7	272	263		28	05867	265.9	271	261	
400	28	07526	252.4	257	247		28	07585	256.3	260	252		28	07576	254.4	259	248	
300	28	09600	238.2	244	229		28	09685	240.9	245	236		28	09659	240.1	245	234	
250	26	10855	230.3	236	221		28	10949	231.3	235	228		28	10921	231.7	235	226	
200	24	12328	219.8	227	212		28	12424	219.8	226	216		28	12400	221.2	227	211	
175	18	13194	215.8	225	207		28	13277	214.5	220	211		28	13255	215.5	223	208	
150	16	14154	210.3	221	202		28	14231	208.7	214	204		28	14221	209.6	219	201	
125	11	15270	204.6	215	195		25	15314	202.5	208	197		26	15317	203.2	210	195	
100	08	16554	199.1	205	193		24	16637	197.2	201	193		26	16632	198.4	205	193	
80							19	17958	198.5	206	193		22	17925	198.5	205	193	
70							18	18744	200.7	209	195		16	18709	200.7	207	195	
60							16	19502	203.3	212	198		12	19679	204.1	212	197	
50							16	20729	207.1	217	201		10	20735	207.4	216	200	
40							09	22111	209.8	220	203		07	22136	212.9	217	207	
30							06	23757	209.7	214	206							
20																		
10																		

STANDARD PRESSURE SURFACE	CALCUTTA/DUM DUM SURFACE PR (1010 MB)						COCHIN/ERNAKULAM (1007 MB)						GAUHATI (1006 MB)					
MB	NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT
SURFACE	28	00006	290.2	297	282	288.7	28	00003	302.1	303	301	293.8	28	00049	286.0	294	282	284.1
1000	28	00095	291.2	297	284	287.9	28	00069	301.7	303	301	293.7	28	00104	286.4	291	283	283.8
900	28	01005	291.5	298	285	277.7	28	00998	296.3	299	293	285.7	28	01003	289.1	293	284	278.2
850	28	01491	288.4	294	281	274.2	28	01494	292.9	297	290	282.6	28	01487	285.1	289	280	274.1
800	28	02003	285.0	291	279	271.6	28	02014	289.6	295	287	279.3	28	01993	282.1	286	277	272.3
700	28	03112	279.5	284	276	265.8	28	03138	283.7	287	282	270.2	28	03084	275.2	280	267	263.8
600	28	04363	273.2	279	269	258.2	28	04406	276.3	279	272	262.9	28	04317	269.9	276	264	
500	28	05800	263.8	269	259		28	05862	267.7	271	265		28	05778	262.1	270	257	
400	28	07491	253.3	259	249		28	07577	256.9	262	254		28	07426	251.4	258	247	
300	28	09577	240.5	246	231		28	09683	241.7	246	237		28	09495	239.7	246	231	
250	28	10852	233.0	239	226		27	10955	232.5	239	227		28	10760	233.0	239	225	
200	27	12333	223.3	231	215		26	12438	220.9	227	215		28	12256	224.8	230	218	
175	27	13199	217.8	229	209		22	13269	214.0	220	209		27	13133	220.8	228	215	
150	26	14177	212.9	224	205		22	14240	207.9	215	199		25	14106	215.7	224	207	
125	26	15310	207.7	218	201		21	15314	202.5	209	197		25	15248	211.1	220	199	
100	25	16649	203.3	215	195		21	16647	196.9	204	191		21	16608	206.9	215	200	
80	15	17965	203.4	211	199		19	17930	198.7	206	194		15	17963	205.5	213	199	
70	14	18771	204.9	216	198		18	18728	202.4	210	195		13	18776	206.7	213	203	
60	14	19708	208.8	223	198		16	19640	205.7	212	197		12	19703	209.4	217	204	
50	12	20801	214.4	231	203		13	20756	208.5	215	201		08	20799	213.6	222	205	
40	08	22146	217.4	225	209		09	22130	211.7	217	205							
30							07	23895	215.7	220	212							
20																		
10																		

STANDARD PRESSURE SURFACE	JODHPUR SURFACE PR (984 MB)						LUCKNOW/AMAUSI (997 MB)						MADRAS/MINAMBAKKAM (1009 MB)					
MB	NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT
SURFACE	28	00217	291.1	295	286	275.0	28	00127	286.6	293	283	278.5	28	00015	293.7	297	291	292.8
1000	28	00080					28	00098	285.8	289	284	277.0	28	00101	294.5	297	291	291.5
900	28	00986	292.8	297	288	268.4	28	01000	292.3	297	287	267.7	28	01013	293.0	297	289	279.7
850	28	01475	289.7	296	286	265.9	28	01487	287.5	295	283	263.2	28	01505	290.8	294	287	274.4
800	28	01989	286.3	292	282	263.6	28	01999	286.1	291	279	253.2	28	02021	287.9	291	284	271.3
700	28	03095	279.0	283	275	257.5	28	03107	280.1	283	273	254.7	28	03142	282.7	287	279	265.4
600	28	04339	270.7	273	267	253.0	28	04351	270.5	275	265		28	04406	276.1	279	271	260.4
500	28	05759	260.4	263	257		28	05774	260.3	264	255		28	05859	266.6	271	262	
400	28	07426	249.1	253	243		28	07438	248.5	253	244		28	07567	255.5	260	250	
300	27	09474	236.1	242	228		28	09485	236.3	243	229		28	09671	240.7	246	236	
250	26	10712	228.3	236	221		27	10727	228.3	237	221		28	10926	231.3	236	227	
200	26	12183	220.3	228	216		25	12204	222.1	227	213		28	12403	219.5	225	215	
175	24	12997	216.4	226	211		23	13071	218.1	223	213		27	13240	213.4	221	210	
150	23	14009	211.6	218	203		23	14044	213.4	218	210		27	14204	207.4	215	204	
125	19	15136	206.7	215	198		20	15177	207.9	215	200		26	15275	200.5	206	196	
100	14	16464	203.7	212	197		20	16524	204.3	212	199		19	16609	196.7	207	191	
80	07	17831	205.1	219	197		13	17858	203.5	209	199		15	17885	199.3	210	192	
70	06	18623	204.8	211	196		11	18652	206.3	213	202		14	18679	202.4	213	195	
60							07	19525	205.6	211	202		08	19584	203.5	210	199	
50							06	20625	209.3	218	204		05	20659	205.2	209	201	
40																		
30																		
20																		
10																		

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(A) FROM ASCENTS AT 00 HRS G.M.T.
FEBRUARY 1967. (MAGHA 12 - PHALGUNA 9, 1888 SAKA)

STANDARD PRESSURE SURFACE MB	MINICOY SURFACE PR (0 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	NAGPUR/SONEGAON (976 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	NEW DELHI/SAFDARJUNG (988 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT
SURFACE							28	00311	288.8	293	284	280.2	28	00209	285.7	293	281	277.6
1000							28	00108					28	00105				
900							28	01021	295.2	299	292	276.7	28	01003	290.3	294	285	272.0
850							28	01516	292.1	297	287	274.2	28	01488	287.4	291	280	268.1
800							28	02029	288.0	291	285	273.1	28	01997	284.3	289	277	267.5
700							28	03144	280.0	285	276	266.2	28	03097	276.8	280	272	262.2
600							28	04384	273.2	277	269	256.6	28	04433	268.5	274	263	
500							28	05836	264.3	269	259		28	05738	258.4	265	253	
400							28	07530	252.5	260	247		28	07393	247.0	254	243	
300							28	09603	238.5	246	233		28	09419	233.5	242	227	
250							28	10855	230.2	239	224		28	10650	227.1	235	220	
200							28	12326	219.3	225	215		28	12141	221.9	227	216	
175							28	13164	213.7	219	209		27	12981	218.8	224	212	
150							26	14132	208.0	214	203		27	13961	215.1	222	209	
125							24	15219	202.3	211	197		26	15092	210.6	218	204	
100							22	16541	198.4	208	194		25	16459	207.6	215	201	
80							18	17865	200.7	211	195		23	17814	206.8	215	197	
70							14	18671	202.5	212	196		23	18625	207.9	216	199	
60							13	19598	207.5	216	199		21	19546	211.0	218	203	
50							11	20672	211.1	221	201		15	20695	214.7	220	207	
40													12	22116	218.4	223	213	
30													05	24003	221.0	223	217	
20																		
10																		

STANDARD PRESSURE SURFACE MB	PORT BLAIR SURFACE PR (1002 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	SRINAGAR (844 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	TRIVENDRUM (1002 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT
SURFACE	28	00079	296.6	302	293	294.7	23	01588	275.1	280	269	275.3	28	00064	296.7	299	294	292.9
1000	27	00093	296.0	300	293	294.7	23	00195					28	00082	296.7	299	295	292.6
900	27	01014	293.8	299	289	280.9	23	01026					28	01001	292.6	295	290	285.0
850	27	01525	291.5	297	287	282.1	23	01530					28	01493	290.3	294	287	280.1
800	27	02018	288.3	293	285	278.3	23	02016	273.0	280	270	272.4	28	02009	288.5	291	286	274.4
700	27	03142	283.1	287	280	270.7	23	03079	268.0	272	265		28	03131	283.1	286	280	268.4
600	27	04408	276.8	282	271	261.6	23	04279	259.0	265	255		28	04399	276.1	281	273	263.9
500	27	05868	268.9	272	265		23	05641	252.0	258	247		28	05851	267.5	271	265	
400	27	07591	257.8	262	252		23	07226	242.0	248	235		27	07570	256.7	259	253	
300	27	09708	243.4	250	236		22	09251	227.0	236	219		26	09663	241.3	245	238	
250	26	10981	233.4	239	228		21	10437	220.0	227	214		26	10935	231.5	234	227	
200	26	12488	221.7	228	217		20	873	218.0	225	215		26	12413	219.7	224	214	
175	19	[illegible]	216.3	222	211		18	12721	218.0	225	212		25	13239	213.5	218	208	
150	19	14258	208.7	216	203		16	13525	217.0	223	211		24	14211	207.0	213	201	
125	18	15385	202.1	211	194		10	14883	216.0	220	211		22	15275	201.0	208	194	
100	15	16694	199.1	207	192		09	16286	213.0	220	209		21	16602	197.0	203	192	
80	11	18026	199.1	207	193		07	17745	216.0	220	213		17	17877	200.1	205	195	
70	10	18824	202.1	211	196		06	18571	216.0	220	213		16	18675	204.3	211	197	
60	08	19751	207.0	221	198								14	19599	207.2	213	202	
50	06	20857	207.5	223	202								13	20718	210.6	218	205	
40													07	22071	215.4	219	211	
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	VISAKHAPATNAM SURFACE PR (1007 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	28	00041	295.0	298	292	291.9												
1000	27	00104	295.4	299	292	290.7												
900	27	01024	294.8	300	290	281.7												
850	27	01518	291.6	296	287	278.6												
800	27	02036	288.0	291	285	276.3												
700	27	03153	281.1	285	277	270.2												
600	27	04411	274.7	279	271	263.4												
500	27	05861	266.6	274	262													
400	27	07569	255.0	261	249													
300	26	09659	240.0	244	235													
250	26	10920	231.7	236	227													
200	25	12406	220.8	224	216													
175	25	13263	216.1	220	211													
150	22	14220	210.4	216	202													
125	20	15312	204.4	211	197													
100	17	16645	200.4	206	193													
80	13	17981	201.2	210	194													
70	13	18790	203.9	217	199													
60	13	19714	207.0	218	203													
50	13	20790	211.2	221	207													
40	07	22212	214.1	223	209													
30																		
20																		
10																		

RADIO SONDE DATA

TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE

(B) FROM ASCENTS AT 12 HRS G.M.T.

FEBRUARY 1967.(MAGHA 12 - PHALGUNA 9,1888 SAKA)

STANDARD PRESSURE SURFACE MB	AHMADABAD SURFACE PR (1004 MB)						BANGALORE (910 MB)						BOMBAY/SANTACRUZ (1008 MB)					
	NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT
SURFACE	28	00055	306.2	310	303	278.9	28	00921	301.3	305	299	281.4	28	00013	302.6	306	299	288.0
1000	28	00094	305.9	309	303	278.3	28	00080					28	00088	302.4	305	299	286.4
900	28	01027	297.4	302	293	272.1	28	01018	300.0	304	297	281.4	28	01024	298.9	303	296	278.9
850	28	01524	293.2	298	289	267.0	28	01519	295.1	300	291	280.7	28	01525	295.3	298	293	276.1
800	28	02043	289.2	294	285	264.1	28	02041	290.3	295	287	279.3	28	02048	291.0	295	289	274.6
700	28	03163	281.7	285	279	256.3	28	03163	282.9	285	279	271.9	28	03176	282.8	285	279	269.0
600	28	04419	273.3	278	269	252.1	28	04428	276.7	279	274	265.7	28	04441	275.9	279	273	262.3
500	28	05854	263.4	268	258		28	05885	267.6	271	265		28	05895	267.1	271	264	
400	27	07548	252.1	261	245		28	07600	256.2	260	252		28	07605	255.1	260	251	
300	27	09616	237.4	244	229		28	09706	241.3	244	237		28	09700	240.6	248	236	
250	25	10862	228.9	235	223		28	10964	231.5	236	227		28	10964	232.1	236	227	
200	24	12335	219.8	229	213		28	12444	219.6	227	215		28	12450	221.8	228	215	
175	18	13171	214.4	224	207		26	13289	214.0	219	210		27	13308	216.2	224	207	
150	13	14146	209.9	215	204		25	14245	208.0	216	201		26	14277	210.9	220	203	
125	11	15268	205.5	213	197		21	15316	202.2	207	199		26	15395	204.0	212	198	
100	08	16590	202.6	209	196		20	16641	196.7	201	192		25	16703	201.0	209	193	
80	05	17887	206.2	214	201		14	17939	199.1	203	192		21	18000	200.9	210	191	
70							12	18711	200.6	204	195		18	18723	203.1	210	194	
60							10	19622	203.2	205	198		15	19701	206.9	217	197	
50							09	20981	206.8	215	203		07	20798	212.7	219	209	
40																		
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	CALCUTTA/DUM DUM SURFACE PR (1009 MB)						ERNAKULAM (1007 MB)						GAUHATI (1004 MB)					
	NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT
SURFACE	28	00006	301.3	306	291	289.4	28	00003	302.1	303	301	293.8	28	00049	296.3	301	292	287.1
1000	28	00081	301.4	306	293	287.9	28	00069	301.7	303	301	293.7	28	00084	296.2	301	292	286.3
900	28	01009	295.9	304	290	278.9	28	00998	296.3	299	293	285.7	28	00996	291.6	301	287	277.4
850	28	01504	292.0	300	286	275.4	28	01494	292.9	297	290	282.6	28	01482	287.6	294	282	274.6
800	28	02022	288.5	295	281	272.0	28	02014	289.6	295	287	279.3	28	01991	283.6	289	279	271.7
700	28	03143	283.0	288	277	260.8	28	03138	283.7	287	282	270.2	28	03089	276.3	281	271	263.4
600	28	04407	275.6	282	271	253.8	28	04406	276.3	279	272	262.9	28	04322	270.1	275	263	
500	28	05857	266.5	273	261		28	05862	267.7	271	265		28	05749	260.3	267	255	
400	28	07566	255.5	262	249		28	07577	256.9	262	254		26	07426	250.5	255	246	
300	28	09672	242.9	249	235		28	09683	241.7	246	237		24	09486	239.4	249	231	
250	28	10950	234.6	241	230		27	10955	232.5	239	227		24	10746	233.0	241	227	
200	28	12455	225.2	230	220		26	12438	220.9	227	215		24	12240	224.4	231	219	
175	28	13335	220.0	228	212		22	13269	214.0	220	209		23	13108	220.0	227	213	
150	28	14309	214.4	223	203		22	14240	207.9	215	199		21	14090	214.7	221	205	
125	27	15457	209.3	216	202		21	15314	202.5	209	197		21	15227	209.5	217	199	
100	27	16797	204.3	213	197		21	16647	196.9	204	191		19	16559	204.1	215	197	
80	23	18128	203.5	210	197		19	17930	198.7	206	194		15	17882	201.4	213	198	
70	21	18944	204.4	209	195		18	18728	202.4	210	195		09	18671	204.9	212	199	
60	13	19853	207.2	213	195		16	19640	205.7	212	197		06	19564	208.2	218	205	
50	11	20948	212.2	219	201		13	20756	208.5	215	201							
40							09	22130	211.7	217	205							
30							07	23895	215.7	220	212							
20																		
10																		

STANDARD PRESSURE SURFACE MB	JODHPUR SURFACE PR (983 MB)						LUCKNOW/AMAUSI (996 MB)						MADRAS/MINAMBAKKAM (1009 MB)					
	NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT
SURFACE	28	00217	301.0	305	298	275.5	28	00127	298.7	302	294	279.7	28	00015	301.5	305	299	292.1
1000	28	00067					28	00092					28	00093	300.6	304	297	291.4
900	28	00992	296.3	301	292	268.2	28	01007	293.5	299	289	268.4	28	01015	294.0	298	289	279.8
850	28	01485	291.6	296	287	265.2	28	01497	290.2	294	286	263.5	28	01508	291.3	297	287	275.6
800	28	02001	287.7	292	282	268.4	28	02004	287.0	291	283	261.8	28	02028	288.5	291	287	270.7
700	28	03113	280.2	284	277	256.2	28	03123	280.5	285	275	257.7	28	03146	283.0	287	279	263.7
600	28	04360	271.6	275	267	254.2	28	04371	272.3	276	269		28	04415	276.6	279	273	260.0
500	28	05786	261.8	267	256		28	05799	261.8	266	258		28	05870	267.1	269	265	
400	28	07464	250.5	255	246		27	07475	250.4	256	245		28	07583	255.5	259	254	
300	28	09514	235.9	244	230		27	09533	237.3	245	231		28	09684	241.4	247	238	
250	28	10762	229.5	236	222		27	10789	231.3	240	224		28	10949	231.4	235	227	
200	28	12239	221.7	231	213		26	12278	223.7	231	216		28	12426	219.7	223	215	
175	25	13104	218.5	229	211		25	13144	219.8	227	212		28	13270	213.7	218	209	
150	23	14078	213.8	226	206		24	14122	215.3	220	206		28	14225	207.1	213	202	
125	20	15217	208.0	223	196		23	15270	210.1	215	204		27	15297	201.0	207	195	
100	19	16557	205.2	217	198		20	16620	205.7	211	201		25	16626	196.3	201	191	
80	17	17908	206.3	213	200		20	17956	205.5	211	198		24	17920	198.6	205	192	
70	16	18712	208.1	216	202		17	18749	204.5	211	198		17	18712	201.8	210	196	
60	15	19679	211.7	217	203		14	19665	206.1	215	200		14	19615	205.4	212	199	
50	11	20885	214.7	222	208		12	20783	209.1	216	203		11	20703	209.7	220	204	
40	06	22281	218.5	224	213		05	22135	209.2	215	205		07	22008	211.6	215	208	
30																		
20																		
10																		

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT,TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(B) FROM ASCENTS AT 12 HRS G.M.T.
FEBRUARY 1967.(MAGHA 12 - PHALGUNA 9,1888 SAKA)

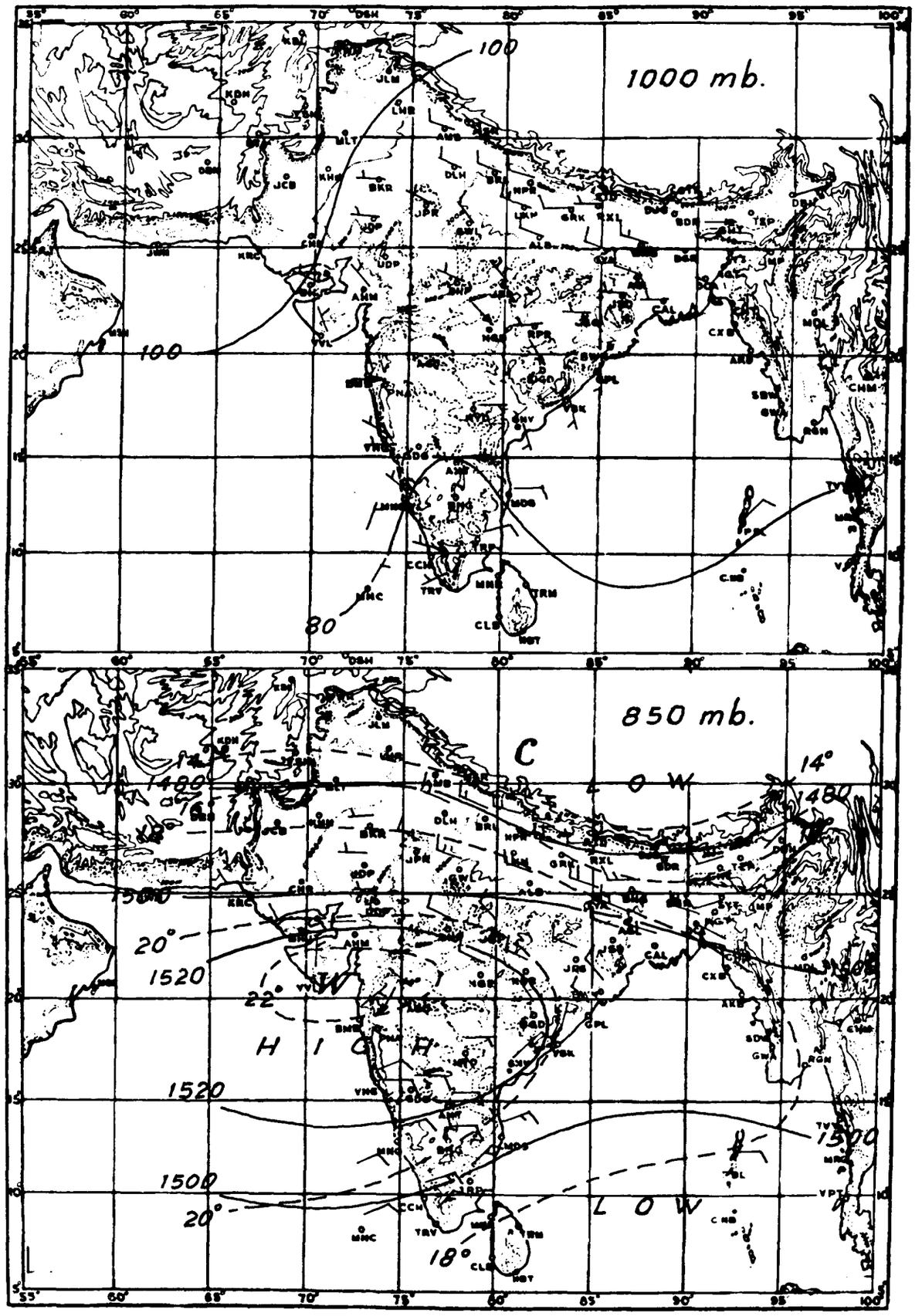
STANDARD PRESSURE SURFACE MB	MINICOY SURFACE PR (1009 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	NAGPUR/SONEGAON (975 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	NEW DELHI/SAFDARJUNG (983 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT
SURFACE	28	00002	301.9	303	301	295.3	28	00311	305.8	309	302	286.0	28	00217	301.0	305	298	275.5
1000	28	00082	300.9	303	299	294.6	28	00081					28	00067				
900	28	01006	293.6	299	290	285.9	28	01023	298.9	302	295	278.1	28	00992	296.3	301	292	268.2
850	28	01499	291.6	297	288	278.7	28	01522	294.3	297	290	274.5	28	01485	291.6	296	287	265.2
800	28	02018	289.4	293	286	274.3	28	02042	289.6	293	285	272.7	28	02001	287.7	292	282	268.4
700	28	03143	283.7	288	281	267.9	28	03162	281.0	285	276	267.0	28	03113	280.2	284	277	256.2
600	28	04412	276.4	281	271	261.8	28	04417	273.9	277	269	255.8	28	04360	271.6	275	267	254.2
500	27	05867	268.2	273	265		28	05861	265.5	270	261		28	05780	261.8	267	256	
400	26	07584	256.4	261	251		28	07559	253.4	261	249		28	07464	250.5	255	246	
300	26	09681	240.1	248	234		28	09638	239.4	245	234		28	09514	235.9	244	230	
250	24	10944	230.8	239	224		28	10895	230.9	235	227		28	10762	229.5	236	222	
200	22	12426	219.0	225	212		28	12372	220.7	224	217		28	12239	221.7	231	213	
175	21	13261	213.0	219	205		27	13220	215.3	218	210		25	13104	218.5	229	211	
150	21	14224	206.3	212	199		26	14184	209.4	214	201		23	14078	213.8	226	206	
125	19	15301	200.6	206	194		22	15311	205.1	209	197		20	15217	208.0	223	196	
100	17	16636	196.8	202	190		24	16620	200.0	206	191		19	16557	205.2	217	198	
80	13	17905	200.0	207	196		16	17939	201.9	208	194		17	17908	206.3	213	200	
70	13	18704	203.9	210	199		16	18740	203.7	212	196		16	18712	208.1	216	202	
60	09	19584	207.6	212	203		11	19661	207.1	217	199		15	19679	211.7	217	203	
50	05	20658	211.2	215	209		08	20778	209.1	213	205		11	20885	214.7	222	208	
40													06	22281	218.5	224	213	
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	PORT BLAIR SURFACE PR (1001 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	SRINAGAR (843 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	TRIVENDRUM (1001 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT
SURFACE	28	00079	299.9	304	297	295.3	24	01588	282.0	286	274	277.0	28	00064	302.8	305	300	293.2
1000	28	00085	299.5	304	297	295.6	24	00153					28	00071	302.5	304	300	292.9
900	28	01002	293.7	298	291	286.6	24	01042					28	01000	295.2	298	293	287.8
850	28	01457	291.0	296	287	282.1	24	01521					28	01495	292.0	295	289	283.4
800	28	02009	286.4	293	285	279.3	24	02014	278.0	282	271	270.0	28	02014	289.1	293	287	278.6
700	28	03128	283.1	287	280	270.3	24	03083	270.0	273	266	267.0	28	03140	284.2	287	281	269.7
600	28	04393	276.4	281	273	264.3	24	04272	262.0	267	256		28	04411	276.9	282	273	265.4
500	28	05850	268.2	275	263		24	05669	252.0	257	245		28	05869	269.0	273	266	
400	27	07569	257.4	263	253		24	07289	241.0	247	232		28	07595	258.4	262	255	
300	27	09682	242.4	247	238		24	09260	227.0	234	220		28	09713	242.9	246	238	
250	26	10943	233.2	240	229		24	10456	220.2	228	211		27	10985	233.0	237	226	
200	26	12428	221.4	229	217		24	11889	217.0	225	207		26	12468	221.4	227	213	
175	24	13298	215.1	224	210		24	12743	218.0	226	211		26	13302	215.4	223	208	
150	21	14255	209.1	219	201		22	13733	218.0	226	210		25	14284	208.8	217	201	
125	20	15362	202.1	209	193		18	14924	215.0	220	212		24	15361	203.1	211	197	
100	16	16674	196.9	207	191		16	16314	214.0	220	211		24	16701	197.4	204	192	
80	15	17971	198.6	205	191		09	17654	214.0	220	208		20	18000	198.9	207	190	
70	13	18993	202.6	209	198		05	18495	214.0	221	205		18	18777	202.2	211	195	
60	11	19689	206.2	212	201								15	19703	205.5	213	199	
50	10	20834	211.0	217	203								14	20813	209.1	217	201	
40	06	22185	215.7	223	205								05	22295	212.8	218	207	
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	VISAKHAPATNAM SURFACE PR (1006 MB) NO OF OBS	HT GPM	TEMPERATURE °A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	28	00041	300.8	303	299	294.9												
1000	26	00092	301.4	304	297	293.5												
900	26	01020	296.2	300	291	282.4												
850	26	01517	293.3	298	288	279.3												
800	26	02038	289.4	295	283	276.9												
700	26	03156	281.7	289	277	270.5												
600	26	04422	275.3	280	271	263.4												
500	26	05872	266.3	272	261													
400	26	07588	255.8	259	248													
300	26	09689	241.9	247	231													
250	26	10958	233.2	238	223													
200	26	12446	221.5	227	215													
175	26	13292	216.0	222	211													
150	23	14289	210.8	217	209													
125	20	15387	205.3	212	199													
100	15	16734	200.9	205	197													
80	08	18124	202.5	205	200													
70	08	18929	204.7	209	202													
60	06	19849	207.3	211	206													
50	05	20920	211.8	214	210													
40																		
30																		
20																		
10																		

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I.Met.D. *FEBRUARY 1967* *Plate I*



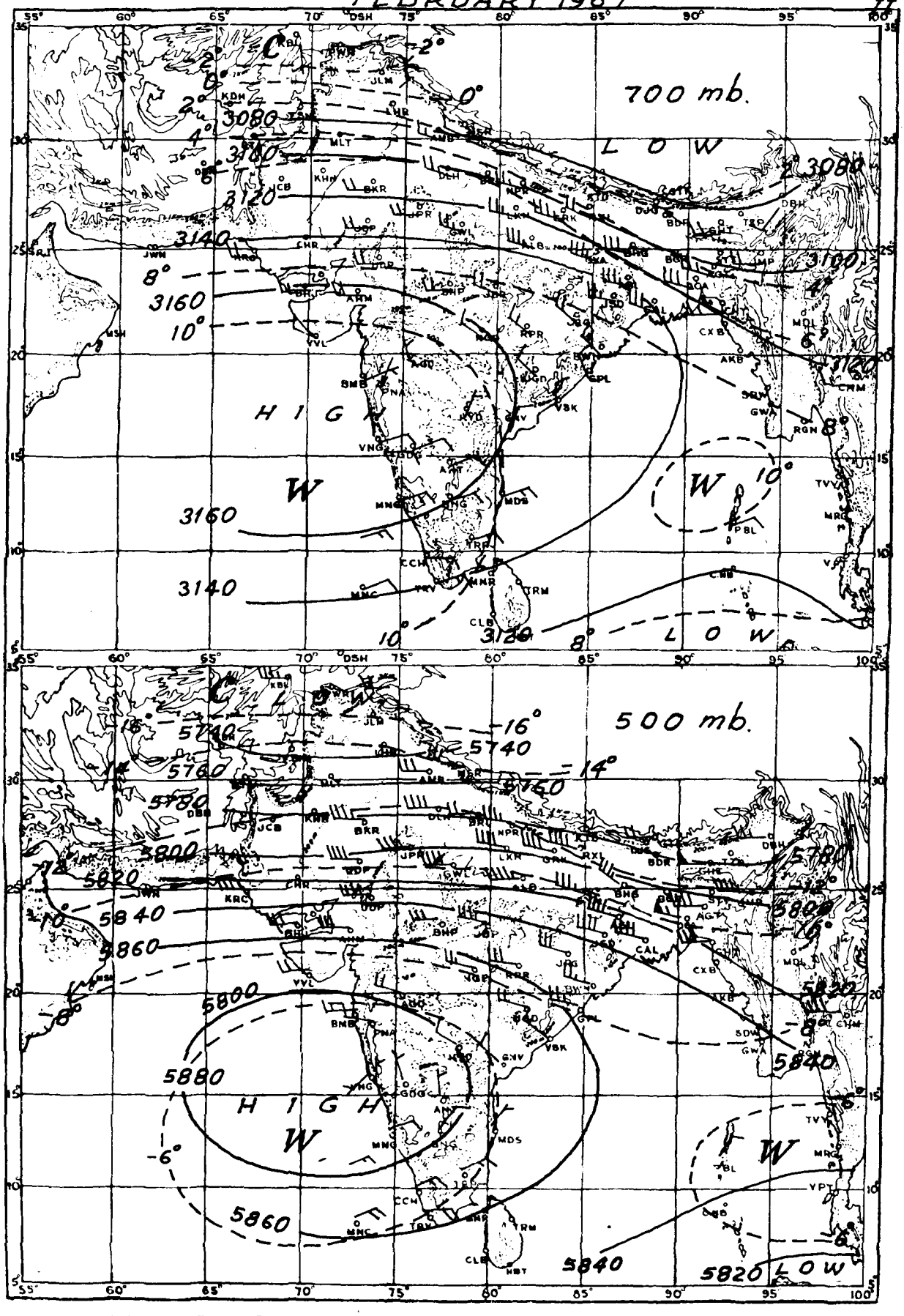
RESULTANT WIND — 5 Knots, — 10 Knots, — 50 Knots.

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

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I. Met.D. *Plate II*

FEBRUARY 1967



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

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

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GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

INDIA WEATHER REVIEW, 1967

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INDIA WEATHER REVIEW, 1967

Monthly Weather Report

MARCH

MONTHLY WEATHER REPORT

FOR

MARCH - 1967

C O N T E N T S

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MEANINGS OF SYMBOLS AND ABBREVIATIONS IN TABLES

II AND III.

Symbol/Abbreviation	Meaning
(a)	Mean/total for 30 days.
(b)	Mean/total for 29 days.
(c)	Mean/total for 28 days.
(d)	Mean/total for 27 days.
(e)	Mean/total for 26 days.
(f)	Mean/total for 25 days.
(g)	Mean/total for 24 days.
(h)	Mean/total for 23 days.
(i)	Mean/total for 22 days.
(j)	Mean/total for 21 days.
(k)	Mean/total for 20 days.
(l)	Mean/total for 19 days.
(m)	Mean/total for 18 days.
(n)	Mean/total for 17 days.
(o)	Mean/total for 16 days.
(p)	Mean/total for 15 days.
*	Closed during winter months.
(R)	Register not received, hence data not available.
#	Data for less than 15 days, hence no means published.
ds	Days.
@	Data rejected.
D.N.	Data not available.
E	Estimated.
H	Provisional height.

INDIA WEATHER REVIEW, 1967

Monthly Weather Report

MARCH

Published by authority of the Government of India

Chief features :-

i) A spell of unusual thundershower activity over most parts of the country during the second fortnight causing considerable damage to standing crops;

ii) Movement of five western disturbances across northwest India; and

iii) Abnormally low temperatures over north and Central India.

The western disturbance which was lying over west Rajasthan and adjoining West Pakistan on the last day of February moved away eastnortheastwards across the Western Himalayas by 3rd March causing light to moderate rain or snow over Jammu and Kashmir during the first three days of the month. This was followed by four active western disturbances from the second week onwards. Under their influence, northwest India received spells of good precipitation. Gulmarg recorded 19 cm. of rain on 13th and 12 cm. on 26th and Dehra Dun 12 cm. on 26th. The details of movement and activity of the various western disturbances are given in the accompanying statement.

A trough of low pressure extending from north Assam to northeast Uttar Pradesh persisted during the first ten days of the month. In association with it, scattered or isolated thundershowers occurred over Assam. After a break of two days, the trough reappeared and there was good thundershower activity over Assam thereafter on most days during the rest of the month due to the pronounced incursion of moist air from the Bay of Bengal. The activity also spread to the other parts of northeast India.

An easterly wave which lay over the South Andaman Sea on 1st moved westwards and lay over Comorin Maldive areas on 6th. Later it moved away westwards. Under its influence, there was good rainfall over the Bay Islands on the first two days of the month. Car Nicobar recorded 9 cm. of rain on 2nd. Isolated thundershowers also occurred over the extreme south Peninsula on 5th. Otherwise the weather remained mainly dry over the Peninsula and the central parts of the country till 12th.

The seasonal low over the central parts of the country and north Peninsula became well marked from 11th onwards and remained active almost till the end of the month. Consequently, the incursion of moist air from the Bay of Bengal was pronounced and sustained leading to a prolonged spell of good thundershower activity over the central parts of the country and the Peninsula. Some of the noteworthy amounts of rainfall recorded were : Khammam 7 cm. on 18th, Arogyavaram 11 cm., Gannavaram 8 cm. and Nellore 7 cm. on 19th, Atiramapattinam 12 cm. and Madurai 9 cm. on 20th, Bolangir 16 cm. and Sambalpur, Angul and Mandla 7 cm. each on 23rd and Kakinada 7 cm. on 24th.

With two fairly active western disturbances moving eastwards across northwest India in quick succession and the seasonal low over the Peninsula being active, an unusual spell of widespread thundershower activity prevailed over practically the entire country during the period 20th - 27th. According to press reports, the thunderstorms and heavy rains accompanied by hail caused considerable damage to standing crops in Gujarat State, Madhya Pradesh, Uttar Pradesh and Bihar State. The thundershower activity decreased considerably after 28th.

Night temperatures were generally below normal over most parts of the country after the first week except during the period 11th - 15th when they were above normal over many parts of north and central India. Day temperatures were above normal over the country outside Assam,

West Bengal and south Peninsula on most days during the first 12 days of the month. Later, they remained below normal over the country. Due to the sustained thundershower activity, both day and night temperatures were appreciably to markedly below normal over north and central India during the period 20th - 27th, day temperatures being as much as 10° - 15°C below normal over many parts.

Rainfall was in large defect in coastal Mysore, Interior Mysore South and Arabian Sea Islands, in moderate defect in Kerala, in slight defect in Interior Mysore North and normal in Jammu and Kashmir and Marathwada. It was in slight excess in South Assam, in moderate excess in Bay Islands and Madhya Maharashtra and in large excess over the rest of the country.

The mean maximum temperature was normal in the Bay Islands, Jammu and Kashmir, Saurashtra and Kutch, Konkan, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh, Madras State, Mysore, Kerala and Arabian Sea Islands. It was below normal over the rest of the country.

The mean minimum temperature was below normal in Orissa, Uttar Pradesh, Jammu and Kashmir, Rayalaseema and Interior Mysore South. It was normal over the rest of the country.

The mean Relative Humidity in the morning was normal in the Bay Islands, Sub-Himalayan West Bengal, Gangetic West Bengal, Punjab, Himachal Pradesh, West Rajasthan, Konkan, Coastal Andhra Pradesh, Madras State, Coastal Mysore, Interior Mysore South, Kerala and Arabian Sea Islands. It was normal over the rest of the country.

The mean relative humidity in the evening was above normal in South Assam, Sub-Himalayan West Bengal, Gangetic West Bengal, Orissa, Bihar, Uttar Pradesh, Himachal Pradesh, Madhya Pradesh , Gujarat, Saurashtra and Kutch, Vidarbha and Telangana, It was normal over the rest of the country.

The mean cloud amount in the morning was below normal in Bay Islands, and normal in Sub-Himalayan West Bengal, Punjab, Himachal Pradesh, Jammu and Kashmir, Konkan, Telangana, Rayalaseema, Coastal Mysore, Interior Mysore South, Kerala and Arabian Sea Islands. It was above normal over the rest of the country.

The mean cloud amount in the evening was below normal in Bay Islands, and Interior Mysore North, normal in North Assam, Punjab, Himachal Pradesh, Jammu and Kashmir, Konkan, Telangana, Rayalaseema, Interior Mysore South, Kerala and Arabian Sea Islands. It was above normal over the rest of the country.

Table I contains the divisional and sub-divisional means of rainfall, temperature, humidity and cloud amount for the 17 chief political divisions and the 33 sub-divisions. The stations whose observations are used for preparing these means are given in the subsequent tables.

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

Poona-5.

13th August, 1967.

R. ANANTHAKRISHNAN,

for Director General of Observatories.

STATEMENT SHOWING THE MOVEMENT AND ACTIVITY OF WESTERN DISTURBANCES DURING THE MONTH OF MARCH 1967.

No.	Period	Course	Region affected	Nature of precipitation	Period	Remarks
1.	27th Feb-	West Pakistan-	Jammu and Kashmir	Widespread rain or snow	1st March	
	3rd	Western Himalayas		Scattered/isolated rain or snow	28th Feb. & 2nd and 3rd Mar.	
2.	9th - 14th	Baluchistan-	Jammu and Kashmir	Isolated/Scattered rain or snow	11th & 12th	Gulmarg recorded 19 cm. rain on 13th.
		Central Parts of West Pakistan-		Fairly widespread rain or snow	13th	
		Punjab and	Himachal Pradesh	Widespread/Scattered rain	13th & 14th	
		North Rajasthan-	Punjab & West Uttar Pradesh	Isolated/Scattered rain or snow	12th,13th & 14th	
		Western Himalayas.	West Rajasthan	Isolated rain	13th & 14th	
3.	14th-18th	Baluchistan-	Jammu and Kashmir	Widespread rain or snow	16th & 17th	Active western disturbance.
		West Pakistan-	Himachal Pradesh	Widespread/Scattered rain	16th,17th & 18th	Gulmarg and Dalhousie recorded 8 cm. rain each.
		Rajasthan-	The Punjab	Isolated-Fairly widespread rain	15th,16th & 17th	
		Punjab-Western-				
		Himalayas	West Uttar Pradesh	Isolated-Fairly widespread rain or snow	15th,16th, 17th & 18th on 16th.	
4.	19th-24th	Baluchistan-	Jammu and Kashmir	Isolated/Scattered/ Fairly widespread rain or snow	21st,23rd to 26th	
		West Pakistan - The Punjab-	Himachal Pradesh	Scattered/widespread rain	22nd,23rd, 24th,26th & 27th.	
		Rajasthan-	The Punjab	Isolated/widespread rain or snow	21st to 28th	
		Western Himalayas	Rajasthan	Isolated/widespread rain	20th to 26th	
			Gujarat State	Isolated/widespread rain	22nd to 27th	
5.	24th-27th	Southern Parts of West Pakistan-The Punjab	West Uttar Pradesh	Isolated/widespread rain or snow	20th to 27th	
			East Uttar Pradesh	Fairly widespread/ scattered rain	23rd to 27th	
		Western Himalayas	Madhya Pradesh	Isolated/widespread rain	23rd to 27th.	

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS - MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1.ASSAM(INCLUDING NEFA ETC.)	113.3	143	27.3	15.3	75	62	4.2	4.1
	+ 33.9		-1.9	-0.7	+ 6	+ 5	+1.0	0.9
2.WEST BENGAL . . .	65.3	229	30.9	18.6	66	53	2.6	3.1
	+ 36.8		-2.0	-0.8	+ 5	+ 9	+0.4	0.9
3.ORISSA . .	80.9	348	32.4	19.3	70	57	3.2	3.8
	+ 57.7		-1.6	-1.5	+ 9	+12	+1.3	1.4
4.BIHAR . .	41.3	251	30.9	16.7	60	45	2.3	3.0
	+ 24.8		-2.0	-0.7	+10	+14	+0.6	1.1
5.UTTAR PRADESH . .	44.1	279	29.5	14.0	59	40	2.8	3.2
	+ 28.3		-1.8	-1.3	+ 6	+10	+1.1	1.3
6.HARYANA(INCLUDING DELHI+CHANDIGARH)	56.5	280	27.5	13.5	63	37	3.4	2.9
	+ 36.3		-2.2	-0.7	+ 6	+ 5	+1.4	0.8
7.PUNJAB . .	92.8	297	26.3	12.1	66	43	3.2	3.3
	+ 61.6		-2.0	-0.7	+ 2	+ 4	+0.5	0.2
8.HIMACHAL PRADESH.	173.7	309	24.8	10.4	82	48	3.9	4.8
	+117.5		-1.4	+0.4	+ 4	+ 8	+0.2	0.5
9.JAMMU AND KASHMIR	78.6	98	20.2	0.1	75	57	3.9	5.2
	- 2.0		+0.3	-3.9	+ 6	- 3	-0.5	-0.3
SUB-DIVISION								
1.BAY ISLANDS .	54.2	129	31.1	22.8	75	76	2.9	2.8
	+ 12.3		+0.0	-0.8	+ 0	- 0	-0.9	-1.3
2.NORTH ASSAM (INCLUDING NEFA)	108.1	160	27.1	15.2	76	62	4.3	4.2
	+ 40.6		-1.8	-0.8	+ 6	+ 2	+0.9	0.6
3.SOUTH ASSAM(INCLUDING N.LAND ETC.)	125.9	116	27.8	15.7	72	62	3.9	4.1
	+ 17.6		-2.0	-0.6	+ 6	+10	+1.2	1.4
4.SUB-HIMALAYAN WEST BENGAL .	120.3	391	28.7	15.9	67	51	2.6	3.1
	+ 89.5		-2.0	-0.5	+ 5	+ 6	+0.4	0.8
5.GANGETIC-WEST BENGAL. . .	47.0	169	31.7	19.5	65	54	2.6	3.1
	+ 19.2		-2.1	-1.0	+ 5	+11	+0.5	0.9
6.ORISSA . .	80.9	348	32.4	19.3	70	57	3.2	3.8
	+ 57.7		-1.6	-1.5	+ 9	+12	+1.3	1.4
7.BIHAR PLATEAU .	48.7	198	31.5	17.3	56	41	2.5	3.5
	+ 24.1		-1.5	-0.6	+10	+12	+0.8	1.2
8.BIHAR PLAINS .	36.5	327	30.3	16.1	62	48	2.2	2.6
	+ 25.3		-2.5	-0.8	+11	+15	+0.5	1.0
9.UTTAR PRADESH, EAST. .	26.9	240	30.9	15.0	57	39	2.7	3.1
	+ 15.7		-1.9	-1.3	+ 6	+10	+1.2	1.4
10.UTTAR PRADESH, WEST. . .	66.9	307	27.6	12.7	61	41	3.0	3.5
	+ 45.1		-1.8	-1.3	+ 6	+10	+1.1	1.2
11.HARYANA (INCLUDING DELHI ETC.)	56.5	280	27.5	13.5	63	37	3.4	2.9
	+ 36.3		-2.2	-0.7	+ 6	+ 5	+1.4	0.8
12.PUNJAB .	92.8	297	26.3	12.1	66	43	3.2	3.3
	+ 61.6		-2.0	-0.7	+ 2	+ 4	+0.5	0.2
13.HIMACHAL PRADESH	173.7	309	24.8	10.4	82	48	3.9	4.8
	+117.5		-1.4	+0.4	+ 4	+ 8	+0.2	0.5
14.JAMMU + KASHMIR.	78.6	98	20.2	0.1	75	57	3.9	5.2
	- 2.0		+0.3	-3.9	+ 6	- 3	-0.5	-0.3
15.RAJASTHAN, WEST.	73.4	1217	30.7	14.8	52	32	3.7	3.7
	+ 67.4		-1.6	-0.8	+ 3	+ 3	+2.0	1.5
16.RAJASTHAN, EAST.	55.8	710	30.4	14.8	54	33	3.2	3.4
	+ 47.9		-1.7	-0.8	+ 7	+ 5	+1.5	1.0
17.MADHYA PRADESH, (WEST).	46.7	544	32.4	16.3	50	31	3.2	3.7
	+ 38.1		-1.5	-0.4	+13	+11	+1.7	1.4

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
10.RAJASTHAN .	64.1	917	30.6	14.8	53	32	3.5	3.5
.	57.2		-1.7	-0.8	5	+ 4	+1.7	+1.2
11.MADHYA PRADESH .	69.4	526	32.2	16.7	53	34	3.0	3.5
.	56.3		-1.6	-0.3	12	+12	+1.4	+1.3
12.GUJARAT STATE(IN	55.3	6492	32.9	19.4	67	42	3.1	2.8
INCLUDING DIU ETC)	54.5		-1.0	0.7	7	+ 7	+1.7	+1.5
13.MAHARASHTRA STAT	20.0	305	33.8	20.2	59	37	2.1	2.8
.	13.4		-0.9	-0.1	8	+ 4	+0.7	+0.8
14.ANDHRA PRADESH .	70.0	742	33.9	21.4	69	45	2.6	2.6
.	60.5		-1.2	-0.9	5	+ 4	+0.4	+0.5
15.MADRAS STATE (IN	33.9	208	32.8	22.9	77	57	4.0	3.4
CL. PONDICHERRY)	17.6		-0.7	-0.1	4	+ 5	+0.9	+0.7
16.MYSORE . .	4.4	53	33.7	19.9	67	36	1.9	2.8
.	- 3.9		-0.3	-1.0	5	+ 1	+0.1	+0.2
17.KERALA . .	29.8	63	33.8	23.7	72	59	3.3	3.8
.	- 17.1		0.2	-0.6	- 3	- 2	+0.2	-0.1
.								0
0								
SUB-DIVISION								
18.MADHYA PRADESH,	99.8	516	32.0	17.2	57	38	2.7	3.2
EAST. .	80.5		-1.7	-0.0	10	+13	+1.1	+1.0
19.GUJARAT REGION(I	55.1	7115	34.2	19.1	58	31	2.6	2.7
CLUDING DAMAN ETC	54.4		-1.5	0.5	9	+ 8	+1.4	+1.4
20.SAURASHTRA KUTCH	55.5	6162	32.1	19.6	72	49	3.4	2.9
(INCLUDING DIU).	54.6		-0.7	0.8	6	+ 6	+1.9	+1.6
21.KONKAN (INCLUDING	1.4	349	30.1	22.6	75	65	2.1	1.5
GOA) .	1.0		-0.7	0.2	3	+ 1	+0.3	-0.1
22.MADHYA MAHARASH-	4.6	139	35.8	18.7	53	26	1.7	2.8
TRA. . .	1.3		-0.7	0.1	10	+ 5	+0.7	+0.9
23.MARATHWADA .	7.5	90	35.5	18.5	43	23	2.3	3.6
.	- 0.8		-0.6	-0.6	8	+ 3	+1.2	+1.5
24.VIDARBHA .	61.5	384	34.7	20.0	54	30	2.5	3.6
.	45.5		-1.4	-0.4	11	+ 7	+0.9	+1.4
25.COASTAL ANDHRA -	91.0	831	32.8	22.1	77	62	3.3	2.8
PRADESH .	80.0		-0.8	-0.7	2	+ 3	+0.8	+0.8
26.TELANGANA .	59.9	578	34.7	21.0	66	32	2.3	2.5
.	49.5		-1.6	-0.9	7	+ 6	+0.2	+0.4
27.RAYALASEEMA .	40.4	912	35.1	20.7	59	29	1.5	2.2
.	35.9		-1.2	-1.2	7	+ 4	+0.1	+0.2
28.MADRAS STATE.(IN	33.9	208	32.8	22.9	77	57	4.0	3.4
CL. PONDICHERRY)	17.6		-0.7	-0.1	4	+ 5	+0.9	+0.7
29.COASTAL MYSORE .	0.0	0	31.9	22.8	75	64	2.0	1.8
.	- 4.2		0.0	-0.5	- 3	- 4	-0.4	-0.7
30.INTERIOR MYSORE,	7.3	84	35.2	20.0	58	28	1.6	3.5
NORTH. .	- 1.4		-0.4	-0.9	9	+ 1	+0.3	+1.0
31.INTERIOR MYSORE,	4.1	40	33.4	18.3	71	29	2.2	2.6
SOUTH. .	- 6.1		-0.4	-1.3	5	+ 4	+0.1	-0.2
32.KERALA .	29.8	63	33.8	23.7	72	59	3.3	3.8
.	- 17.1		0.2	-0.6	- 3	- 2	+0.2	-0.1
33.ARABIAN SEA -	3.4	27	31.6	24.6	73	67	2.8	3.2
ISLANDS. .	- 9.2		0.0	-0.7	- 1	- 5	-0.5	-0.5
.								0
.								0

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

TABLE II – SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – MARCH 1967. (PHALGUNA 10, 1888 SAKA – CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena – No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
BAY ISLANDS																												
MAYA BANDAR	30.7	+1.0	32.4	05	23.0	-0.1	21.0	17	0.0	6.0	3.1	6.0	01	1	-0.6	10.2	7.0	1.0	0	1	0	0	0	0	0	0	0	0
LONG ISLAND	30.6	-1.1	31.4	29	19.8	-3.1	18.2	23	11.8	25.0	17.8	14.4	02	2	-1.7	6.4	3.3	-1.4	0	2	0	0	0	0	0	0	0	0
PORT BLAIR	32.0	+0.9	33.5	28	22.2	-0.3	20.7	19	2.0	3.9	-29.6	2.0	02	0	-1.8	7.0	4.6	-3.4	1	3	0	0	0	9	0	0	0	0
CAR NICOBAR	31.0	-0.3	31.8	30	22.0	-0.8	18.0	21	18.6	93.2	88.4	61.7	01	3	-0.1	7.1	5.0	-0.5	0	4	0	0	0	0	0	0	0	0
NAN COWRY	33.0	+0.2	34.7	31	25.0	+0.4	23.0	01	72.6	161.2	90.7	91.7	02	3	-2.4	1.0	0.5	0.0	0	5	0	0	3	0	0	0	0	0
KONDUL	29.2	-0.6	30.6	31	24.5	-0.9	22.4	02	8.7	35.9	-56.5	19.6	01	3	-2.0	8.4	5.7	0.0	0	5	0	0	2	0	0	0	0	0
NORTH ASSAM (INCLUDING NEFA)																												
PASIGHAT	24.6	-1.4	29.3	12	15.5	-1.4	13.6	01	38.0	193.4	80.5	38.8	28	15	6.6	9.3	12.8	-2.6	0	16	0	0	12	1	0	0	0	0
DIBRUGARH (MOHANBARI)	25.3	-1.2	30.5	13	15.1	-0.4	11.6	01	30.6	120.8	90.3	28.3	28	10	2.4	7.9	5.9	1.6	2	17	0	0	17	0	0	0	1	0
DIGBOI	25.0	-2.2	28.7	11	15.2	+0.1	11.7	01	24.1	143.7	25.2	39.4	28	11	2.3	..	..	..	0	17	0	0	0	0	0	0	0	0
NORTH LAKHIMPUR	25.0	-2.1	29.4	13	14.0	-1.0	9.5	01	36.6	149.2	37.6	48.1	16	11	4.7	7.6	4.6	..	3	14	0	0	6	0	0	0	1	0
SIBSAGAR	25.9	-1.4	31.2	13	..	..	..	..	51.1	100.1	[illegible]	26.7	22	10	2.2	5.9	5.3	-0.2	0	16	0	1	7	9	0	0	0	0
GOHPUR	26.0	-2.1	30.2	13	13.7	-0.7	7.9	01	25.9	74.4	48.0	17.0	22	8	0.4	6.5	4.9	..	2	14	0	0	0	0	0	0	0	0
MAJBAT	28.0	..	..	..	14.8	..	..	..	18.6	86.9	..	..	..	..	..	8.5	5.9	+0.9	.	..	0	0	0	0	0	0	0	0
JORHAT AERODROME	26.2	..	30.4	13	15.9	..	12.2	01	27.7	83.2	..	23.2	22	13	..	..	..	..	0	14	0	1	11	0	0	0	0	0
TANGLA	28.8	0.0	33.5	07	..	..	..	..	0.0	53.7	-18.2	23.1	24	4	0.1	5.2	4.2	-1.8	0	4	0	0	0	0	0	0	0	0
TEZPUR	27.8	-1.2	32.0	13	16.8	-0.3	13.5	01	35.7	99.7	48.6	28.0	21	7	2.2	9.0	7.0	2.0	0	11	0	0	4	0	0	0	0	0
GOLAGHAT	26.7	-1.8	30.6	29	14.0	-2.6	9.4	01	9.2	109.6	31.3	34.6	17	9	4.0	..	..	..	0	13	0	0	0	0	0	0	0	0
RANGIA	27.8	-2.5	31.5	04	16.5	+0.9	12.5	01	10.9	90.3	58.1	21.8	24	9	7.2	7.0	5.9	..	0	10	0	0	0	0	0	0	0	0
CHAPARMUKH	28.2	-2.9	31.9	13	12.5	-3.5	9.4	01	8.4	72.6	18.6	16.4	21	7	2.4	7.0	5.0	..	0	8	0	0	5	2	0	0	0	0
GOALPARA	28.5	-2.8	32.6	07	16.0	-0.1	11.4	01	17.4	172.2	33.7	46.2	15	10	7.3	6.4	4.5	0.7	0	10	0	0	0	0	0	0	0	0
GAUHATI (BHORJOR)	27.7	-2.3	32.0	06	15.5	-0.5	11.3	01	15.7	113.6	46.1	32.5	24	8	3.1	8.3	5.4	..	1	11	0	0	11	0	0	0	0	0
DHUBRI (RUPSI)	29.0	-2.1	32.6	06	16.0	+0.3	11.4	01	10.9	76.6	44.8	32.3	24	4	1.7	12.0	9.1	4.2	0	10	0	0	13	0	0	0	0	0
DHUBRI	29.2	-0.9	34.1	15	16.4	-1.7	12.3	[illegible]	15.0	100.2	61.9	31.2	17	6	3.4	13.7	10.7	3.7	0	11	0	0	8	0	0	0	0	0
LUMDING	28.5	-2.4	32.2	06	15.0	+0.3	8.9	01	43.7	80.5	27.9	13.5	28	10	3.4	5.4	3.5	..	0	10	0	0	0	0	0	0	0	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																												
TURA	28.1	-1.8	30.9	08	17.6	-1.1	13.6	22	82.8	176.6	111.0	75.6	19	7	3.6	7.2	6.8	-1.0	1	9	0	0	0	0	0	0	0	0
HAFLONG	26.6	+0.1	29.2	14	14.6	-1.6	12.8	22	44.7	116.6	37.5	20.3	22	9	2.6	..	..	..	0	13	0	0	13	0	0	0	0	0
SILCHAR (KUMBHIRGRAM)	28.3	-2.3	30.8	12	16.9	-0.2	13.4	01	19.9	102.5	-100.0	27.0	21	11	4.0	7.0	8.3	-0.8	1	15	0	1	14	0	0	0	0	0
SILCHAR	25.9	-4.5	29.0	04	..	..	..	..	24.4	143.8	-3.3	27.6	21	9	1.7	3.7	2.2	-0.3	1	14	0	0	12	0	0	0	0	0
IMPHAL (TULIHAL)	25.1	-1.7	27.3	09	10.9	+0.5	5.6	01	10.3	76.2	25.0	40.7	28	7	3.1	10.4	6.4	-1.2	1	14	0	0	8	0	0	0	0	0
KAILASHAHAR	29.6	-2.1	32.3	04	16.8	-0.2	10.1	01	92.5	169.1	27.2	48.2	19	9	3.0	5.9	3.9	-0.4	0	11	0	3	16	0	0	0	0	0
AGARTALA	31.1	-1.6	34.5	04	17.5	-1.2	10.2	01	13.0	96.5	25.6	53.6	21	5	1.0	8.6	5.6	-1.7	0	6	0	2	12	3	0	0	1	0
SUB-HIMALAYAN WEST BENGAL																												
BAGHDOGRA	28.5	-1.8	32.0	11	14.2	-1.1	8.6	07	59.6	127.2	94.4	32.2	24	8	5.5	12.3	10.5	3.6	0	11	0	0	9	0	0	0	0	0
JALPAIGURI	27.8	-1.8	31.4	07	16.4	0.0	13.3	22	57.6	169.8	136.5	53.6	15	5	2.7	9.2	6.4	0.3	3	6	0	0	4	0	0	0	0	0
COOCH BEHAR AERODROME	27.9	-2.6	31.6	07	15.2	-1.4	10.9	07	22.9	132.0	93.1	49.0	24	7	4.6	8.0	5.0	0.6	0	10	0	1	10	0	0	0	1	0
BALURGHAT	30.5	..	34.2	04	16.3	..	12.2	07	6.0	65.3	..	47.3	21	4	..	5.7	4.2	..	0	4	0	0	3	0	0	0	0	0
MALDA	30.7	-1.9	35.2	04	17.9	+0.5	13.7	07	24.6	52.1	34.1	28.7	02	3	1.6	4.3	2.3	-3.8	0	4	0	1	5	2	1	0	0	0
GANGETIC WEST BENGAL																												
BERHAMPORE	31.5	-2.6	35.9	04	18.3	-0.1	13.5	01	9.3	53.9	29.8	21.7	21	5	3.1	4.4	2.4	-0.7	0	7	0	0	2	2	0	0	0	0
SURI	31.7	-2.3	36.9	04	19.9	+0.2	14.6	01	..	71.1	51.1	54.6	21	3	1.1	.	5.9	-2.6	0	6	0	0	3	0	0	0	0	0
ASANSOL	32.7	-1.5	36.9	13	17.9	-1.7	11.5	01	0.7	56.8	34.5	42.4	21	3	1.1	9.3	5.9	-1.3	1	6	0	1	5	0	0	0	1	0
SHANTI NIKETAN	31.6	..	36.5	04	18.9	..	14.1	01	25.3	52.9	..	27.6	21	4	..	9.6	7.3	..	0	7	0	0	7	1	0	0	0	0
KRISHNANAGAR	32.7	-2.3	36.8	04	17.1	-1.7	12.5	01	17.8	35.8	-4.1	24.6	21	3	0.8	..	..	..	0	7	0	0	3	0	0	0	0	0
PURULIA	32.0	-2.1	36.9	04	18.8	-1.2	14.5	01	13.9	40.5	21.3	12.6	27	5	3.8	8.1	5.5	0.9	2	5	0	0	7	0	2	0	0	0
BANKURA	33.1	..	37.8	04	16.0	..	10.8	01	2.5	17.1	-10.1	6.0	21	2	0.1	2.0	1.8	..	0	5	0	0	0	0	0	0	0	0
BURDWAN	32.7	-1.4	36.6	03	19.7	-0.4	15.4	01	24.0	25.0	-14.1	13.0	22	3	0.8	..	..	..	0	3	0	0	0	0	0	0	0	0
CALCUTTA (DUM DUM)	31.6	-2.2	35.8	04	20.3	-0.1	15.4	22	26.9	39.8	10.7	19.1	27	3	0.5	9.2	7.2	-1.2	1	5	0	0	7	4	0	0	1	0
CALCUTTA	31.9	-2.4	36.0	04	21.5	0.0	17.7	22	35.4	43.9	9.9	22.4	21	3	0.8	8.3	6.3	1.1	1	7	0	0	6	2	0	0	4	0
MIDNAPORE	32.1	-3.0	37.3	04	18.8	-1.9	14.5	01	1.7	87.4	52.6	70.6	27	3	0.7	7.5	5.7	0.4	2	6	0	0	3	0	0	0	0	0
CONTAI	31.0	-1.5	36.1	05	19.4	-2.9	16.0	24	2.1	41.9	26.4	22.0	27	2	0.6	13.5	9.9	-0.9	0	5	0	0	0	2	0	0	0	0
SAGAR ISLAND	28.7	-1.3	31.4	05	23.1	-0.8	19.2	22	1.8	50.4	22.2	34.5	27	5	3.3	19.0	19.1	-0.5	0	7	0	0	7	1	0	0	0	0
SANDHEADS	28.8	..	33.2	30	24.3	..	19.7	23	1.5	29.2	11.7	13.0	23	3	2.0	..	..	..	0	6	0	0	4	0	0	0	0	0
ORISSA																												
BARIPADA	33.1	-1.8	38.9	04	19.7	-0.3	14.3	01	28.2	63.9	21.7	18.9	27	4	0.8	4.9	3.3	0.5	0	9	0	1	16	3	0	0	0	0
JHARSUGUDA	33.3	-1.5	39.1	04	18.5	-0.1	13.5	07	8.1	71.3	40.3	32.4	23	4	1.5	10.1	7.7	0.6	3	7	0	0	10	0	0	0	3	0
KEONJHARGARH	31.1	-2.0	34.9	09	12.9	-6.0	8.7	01	6.5	75.8	44.6	27.4	23	5	3.0	7.9	6.2	0.6	1	7	0	0	0	0	0	0	0	0
BALASORE	31.6	-2.3	36.0	17	19.1	-2.2	15.3	05	4.2	48.6	6.4	18.0	23	4	1.4	14.2	10.9	2.4	0	6	0	0	0	0	0	0	0	0
SAMBALPUR	33.0	-2.4	37.1	08	16.8	-1.9	12.3	[illegible]	30.4	112.9	94.4	72.0	23	4	2.5	5.7	4.7	0.4	0	6	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
ORISSA(CONTD.)																												
ANGUL	34.2	-1.0	38.3	06	18.6	-1.8	14.3	01	15.4	83.6	64.8	65.0	23	2	0.2	7.6	7.3	0.3	0	5	0	0	4	1	0	0	0	0
CHANDBALI	32.4	-1.5	36.9	05	19.7	-1.9	16.0	02	20.6	104.4	78.7	55.6	23	5	3.3	9.9	7.9	-1.8	0	5	0	0	0	0	0	0	0	0
BOLANGIR	34.5	-1.3	39.1	04	22.3	+1.2	16.8	13	4.6	138.6	128.7	56.0	23	6	5.3	6.5	6.8	0.1	0	10	0	0	1	0	0	0	0	0
PHULBANI	32.0	..	36.5	13	15.6	..	7.8	01	4.7	91.0	..	45.0	23	6	..	6.6	3.3	..	0	7	0	0	5	0	0	0	0	0
CUTTACK	34.1	-1.8	39.1	04	21.6	-0.5	18.9	24	9.7	66.4	49.8	20.2	28	6	4.7	8.3	6.3	0.7	2	9	0	0	7	0	0	0	0	0
TITLAGARH	34.2	-1.8	38.6	04	20.1	-0.3	15.3	01	15.2	141.2	118.2	44.2	15	8	5.9	7.0	5.5	2.3	1	9	0	1	11	0	0	0	0	0
BHUBANESWAR	33.2	-1.9	37.8	05	21.0	-1.3	18.0	24	22.3	47.1	30.3	16.8	21	6	4.7	16.6	14.1	-3.0	2	10	0	0	13	1	0	0	2	0
PURI	29.6	-0.4	32.2	05	22.4	-2.2	18.3	23	15.8	54.4	43.0	22.8	23	4	3.1	19.1	19.6	-0.9	0	4	0	0	2	0	0	0	0	0
GOPALPUR	29.8	-0.8	32.9	04	21.1	-1.5	17.5	01	15.0	40.0	24.5	19.0	20	5	4.0	19.2	16.7	-0.9	0	9	0	0	10	1	0	0	0	0
KORAPUT	29.8	-1.8	32.8	08	16.0	-1.6	12.0	24	22.0	85.0	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	0	0	0
BIHAR PLATEAU																												
DUMKA	31.6	-2.4	35.5	06	17.5	-0.9	13.2	01	19.8	85.2	64.1	32.4	24	7	5.4	8.2	5.1	1.0	0	8	0	0	0	0	0	0	0	0
DALTONGANJ	31.8	-1.2	40.6	16	15.6	-0.5	10.4	01	31.7	49.2	29.1	26.0	27	4	2.1	3.5	2.6	-1.8	1	6	0	0	3	0	1	0	0	0
HAZARIBAGH	28.8	-2.1	33.5	13	15.1	-1.6	9.9	01	41.8	75.1	50.2	34.3	27	4	2.1	12.5	9.1	0.3	1	9	0	1	4	1	0	1	1	0
DHANBAD	31.8	-1.4	36.0	13	18.9	-0.3	16.0	22	2.0	33.8	11.8	20.8	21	2	0.1	5.1	4.0	-4.6	0	3	0	0	4	0	0	0	0	0
RANCHI	31.7	+0.5	34.9	13	16.4	-0.3	14.3	01	0.0	58.1	29.1	13.0	25	7	4.6	..	..	..	0	9	0	0	0	0	0	0	0	0
RANCHI AERODROME	29.1	-1.9	33.4	04	16.1	-1.2	11.9	21	5.6	28.4	-11.9	9.0	27	5	2.2	12.2	10.6	0.6	1	9	0	0	10	0	0	0	0	0
JAMSHEDPUR	33.0	-1.6	37.4	04	17.3	-1.4	10.3	01	11.1	39.0	18.9	19.2	23	3	0.6	9.0	6.6	1.4	0	6	0	0	1	0	1	0	0	0
JAMSHEDPUR P.B.O	32.5	-2.1	37.4	04	19.3	+0.4	12.8	01	11.2	59.4	36.3	36.2	23	3	0.6	9.3	6.5	1.7	1	5	0	2	9	0	0	0	0	0
CHAIBASA	33.2	-1.5	37.6	03	19.5	+0.2	18.9	23	0.0	10.2	-11.1	6.1	23	2	0.2	5.6	3.5	0.2	0	2	0	0	3	0	0	0	0	0
BIHAR PLAINS																												
MOTIHARI	30.1	-1.4	33.3	13	13.7	-1.3	9.0	07	2.4	2.9	-14.4	2.1	24	0	-1.1	8.1	5.0	1.1	1	3	0	0	1	0	0	0	0	0
FORBESGANJ	28.1	-4.3	32.5	13	15.3	+0.1	10.2	06	29.2	77.0	61.1	34.0	24	6	4.4	9.4	6.3	-1.1	0	7	0	0	3	0	0	0	0	0
DARBHANGA	30.2	-1.5	34.1	13	16.0	-0.3	11.6	06	24.4	47.1	34.6	25.8	24	4	2.9	3.5	2.9	-0.7	0	4	0	0	1	0	0	0	0	0
MUZAFFARPUR	30.1	..	32.8	04	16.1	..	10.1	01	1.3	14.2	5.8	5.2	21	3	2.1	..	..	..	0	5	0	0	1	0	0	0	0	0
CHAPRA	30.7	..	35.4	13	18.0	..	14.3	07	3.9	27.9	17.0	10.8	23	2	1.1	6.1	4.4	..	0	5	0	0	1	0	0	0	0	0
PURNEA	29.5	-2.7	34.9	13	14.3	-1.2	8.7	07	3.2	84.2	71.0	28.8	21	5	3.9	5.6	3.6	-1.5	0	5	0	0	0	0	0	0	0	0
PATNA	30.9	-2.0	35.9	13	16.6	-2.0	12.7	08	0.0	49.6	40.2	22.8	15	5	4.0	9.6	7.9	0.3	0	5	0	1	3	0	0	0	0	0
PATNA AERODROME	30.3	-2.6	35.4	13	16.1	-1.0	11.3	08	0.0	35.6	23.9	16.5	15	3	1.9	11.4	6.7	0.9	0	4	0	1	8	0	0	0	0	0
ARRAH	..	..	..	..	..	..	..	..	..	17.3	7.9	10.8	27	2	1.0	..	..	..	0	5	0	0	0	0	0	0	0	0
BHAGALPUR	30.7	-2.3	36.0	13	18.1	-1.0	14.8	01	6.5	29.3	23.7	14.4	21	4	3.3	10.2	7.7	0.0	0	8	0	1	6	0	0	0	0	0
SABAUR	30.3	-2.5	35.0	13	15.4	-0.3	9.7	07	5.2	46.4	36.7	18.6	15	3	2.2	11.4	7.0	-0.2	1	7	0	1	6	0	0	0	3	0
JAMUI	30.9	-3.0	36.9	24	..	..	..	..	7.5	9.7	..	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	0
DEHRI	31.1	-2.4	36.2	13	18.8	-0.3	11.3	23	25.1	36.7	25.0	17.0	27	3	1.8	9.5	5.6	-1.0	0	4	0	0	0	0	0	0	0	0
GAYA	31.4	-2.3	36.3	13	16.8	-0.6	10.5	22	9.3	32.5	20.3	14.1	25	4	2.6	10.8	7.3	-1.5	1	6	0	0	6	0	0	0	4	0
UTTAR PRADESH EAST																												
KHERI (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BAHRAICH (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
NAUTANWA	29.7	-2.5	34.0	04	11.6	-3.6	6.6	07	9.7	20.3	7.4	8.5	27	3	1.7	..	..	..	0	4	0	0	0	0	0	0	0	0
HARDOI	30.5	-1.5	34.0	02	13.3	-2.5	8.3	25	4.6	5.6	-11.9	4.6	27	1	-1.0	9.5	7.4	1.2	0	2	0	0	0	0	0	0	0	0
GONDA	30.3	-1.9	35.0	13	14.0	-1.4	10.1	08	29.8	50.0	40.6	31.4	24	3	2.1	9.0	6.6	0.1	0	4	0	0	1	0	0	0	0	0
LUCKNOW	30.1	-2.8	34.0	13	14.9	-1.4	12.0	06	8.8	16.8	8.2	9.6	24	3	2.0	..	..	..	0	3	0	0	5	0	0	0	0	0
LUCKNOW(AMAUSI)	30.2	-2.3	34.9	13	14.0	-1.0	8.9	06	17.8	20.1	8.7	11.4	24	2	1.1	13.4	8.8	0.4	0	6	0	1	4	1	1	0	0	0
FAIZABAD	30.5	-1.2	35.0	13	14.6	-0.2	10.4	08	5.6	13.6	5.2	7.2	23	2	1.0	6.8	3.9	-0.6	0	3	0	0	2	0	0	0	0	0
GORAKHPUR	31.1	-1.5	36.1	13	16.5	-0.7	12.3	03	3.1	14.6	4.7	4.2	24	3	2.1	2.9	2.5	-2.9	0	5	0	0	0	0	0	0	0	0
KANPUR	30.5	-2.2	35.7	13	16.1	-0.2	9.9	06	12.8	19.9	11.5	12.8	18	2	1.2	17.3	11.4	0.5	0	2	0	0	0	0	0	0	0	0
KANPUR(AERODROME)	30.6	..	35.6	03	15.7	..	9.3	06	5.6	12.9	..	6.3	25	2	..	..	..	..	1	3	0	0	3	0	0	0	0	0
SULTANPUR	31.1	-1.4	36.2	14	15.8	-0.9	11.9	08	0.0	6.8	3.8	4.6	23	1	0.6	7.4	5.1	-1.1	0	2	0	0	2	0	0	0	0	0
AZAMGARH	30.9	-2.4	35.1	13	15.4	-1.6	9.9	27	0.0	4.2	-10.3	2.6	24	1	-0.3	7.9	5.1	..	0	3	0	0	0	0	0	0	0	0
FATEHPUR	31.2	-1.9	36.0	13	15.3	-1.0	10.0	07	10.8	21.3	13.5	10.4	18	2	1.1	11.5	5.9	0.4	0	6	0	0	3	0	0	0	0	0
BALLIA	31.8	-1.1	34.5	12	14.7	-2.1	11.2	08	0.0	17.2	0.5	14.6	23	2	0.6	8.3	5.6	0.5	0	2	0	0	0	0	0	0	0	0
BANDA	32.5	-1.6	38.0	13	17.1	-0.2	10.9	07	76.0	84.2	72.6	64.8	25	2	0.7	3.0	1.5	-1.5	0	3	0	0	0	0	0	0	0	0
ALLAHABAD(BAMHRAULI)	31.7	-1.6	37.8	13	15.5	-1.5	10.6	07	10.1	26.9	12.4	10.5	25	4	3.0	7.6	4.4	-2.3	0	5	0	0	6	1	0	0	0	0
VARANASI(BABATPUR)	31.0	-2.2	36.0	13	15.3	-1.6	11.0	24	22.5	52.0	38.1	22.3	24	4	2.6	14.1	10.4	0.0	0	5	0	2	5	1	0	0	0	0
VARANASI	31.6	-1.8	36.4	13	15.6	-1.6	11.3	09	41.0	57.6	46.4	40.0	27	3	2.1	7.1	5.7	-3.2	0	3	0	0	0	0	0	0	0	0
UTTAR PRADESH WEST																												
MUKHIM	16.3	-1.5	21.0	10	6.0	-1.6	1.0	17	19.9	110.0	52.1	35.8	17	9	3.0	..	..	..	0	11	0	1	4	0	0	0	0	0
TEHRI	25.4	-1.8	30.0	10	10.5	-0.4	7.8	05	32.8	159.6	114.9	67.4	26	7	2.5	4.4	2.7	..	0	10	0	1	7	0	0	0	0	0
DEHRA DUN	25.1	-1.3	29.4	03	11.3	-1.1	6.1	27	41.7	198.0	160.1	122.0	26	4	0.9	4.6	4.1	0.5	0	6	0	1	4	0	0	0	0	0
MANSIARI	12.8	..	17.1	12	4.0	..	0.5	17	..	185.2	..	48.5	26	9	..	..	..	..	1	12	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – MARCH 1967. (PHALGUNA 10, 1888 SAKA – CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena – No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST (CONTD.)																												
ROORKEE	27.3	-1.4	31.1	03	11.2	-1.9	6.5	05	44.2	93.0	69.9	47.7	27	3	1.2	9.5	6.6	1.4	0	6	0	1	4	0	0	0	0	0
NAJIBABAD	26.1	-3.6	29.7	04	12.2	-1.2	6.4	05	3.8	47.4	23.0	23.6	26	4	1.9	9.4	7.9	3.4	0	4	0	0	4	0	0	0	0	0
MEERUT	28.5	-1.6	34.0	04	12.0	-3.0	7.7	06	..	46.0	31.5	30.0	26	4	2.5	.	6.9	-0.2	0	5	0	0	0	0	0	0	0	0
BAREILLY	29.3	-1.7	34.4	03	15.0	-0.6	11.9	06	9.0	41.0	28.3	11.0	27	5	3.8	11.9	8.5	2.5	1	5	0	1	3	1	0	0	0	0
ALIGARH	29.3	-1.4	33.5	02	13.8	-1.1	8.7	05	5.6	27.0	15.6	9.8	26	4	2.6	11.2	7.5	0.3	0	4	0	0	2	0	1	0	0	0
MAINPURI	30.9	-1.6	35.3	13	13.0	-1.9	8.7	06	1.7	6.7	2.7	3.2	26	1	0.1	..	..	..	0	3	0	0	1	0	0	0	0	0
AGRA	30.4	-1.5	35.7	02	15.1	-0.6	9.9	06	4.3	24.3	15.9	12.3	23	3	2.2	6.4	4.5	-0.4	0	3	0	0	0	0	0	0	0	0
AGRA AERODROME	30.7	..	35.4	03	14.0	..	8.9	06	26.0	55.9	..	23.5	22	4	..	..	..	..	0	4	0	0	4	0	0	0	0	0
ORAI	31.3	-2.2	37.4	06	16.6	-0.1	11.0	06	26.5	34.5	27.0	17.5	25	3	1.8	..	..	..	0	6	0	0	0	0	1	0	0	0
JHANSI	31.8	-1.7	38.1	13	15.6	-1.8	10.3	07	0.0	15.0	5.1	11.0	25	2	1.2	5.1	5.6	0.2	0	2	0	0	0	0	0	0	0	0
HARYANA (INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	26.7	-1.9	30.9	03	13.6	-0.7	8.7	28	12.1	76.2	50.0	35.0	26	5	2.0	..	..	..	1	5	0	0	2	0	0	0	0	0
AMBALA	27.5	-2.1	32.4	10	13.1	-1.0	7.8	06	1.4	60.9	36.0	31.2	26	3	1.0	11.2	10.2	2.9	0	4	0	0	4	0	0	0	0	0
AMBALA AERODROME	27.3	..	32.5	03	12.9	..	7.2	06	15.2	75.8	..	39.3	26	4	..	..	..	..	0	4	0	1	5	0	0	1	0	0
KARNAL	27.0	-2.4	31.4	03	12.9	-1.2	8.5	06	11.6	67.6	45.2	56.0	26	2	0.0	..	..	..	1	3	0	0	1	0	2	0	0	0
HISSAR	28.1	-2.6	34.4	02	13.1	-0.2	9.1	18	12.6	27.6	13.1	11.6	26	3	1.7	6.8	7.0	-0.3	0	5	0	0	2	0	1	0	0	0
NEW DELHI/SAFDARJUNG	28.0	-2.2	33.0	12	14.7	-0.4	10.9	06	13.2	50.1	37.2	28.0	26	3	1.7	16.5	11.1	0.3	0	6	0	0	2	1	0	0	0	0
PALAM AERODROME	28.4	..	33.6	13	12.7	..	6.6	05	6.9	27.6	..	14.3	26	3	..	..	..	..	0	5	0	0	1	0	0	0	0	0
PUNJAB																												
PATHANKOT	25.8	-1.3	31.7	02	11.8	-1.7	7.8	26	52.5	187.0	131.6	87.8	26	8	4.1	..	..	..	0	9	0	0	9	0	0	0	0	0
AMRITSAR	25.4	-2.1	31.6	10	11.7	+0.2	6.4	05	35.1	102.3	75.9	55.5	26	5	2.8	9.3	7.5	-2.3	0	6	0	0	4	0	1	0	0	0
ADAMPUR AERODROME	26.4	..	31.8	10	10.3	..	5.3	05	15.7	96.2	..	46.7	26	6	..	..	..	..	0	7	0	0	6	1	0	3	0	0
LUDHIANA	27.4	-1.6	33.4	10	12.4	-0.5	9.2	05	17.4	106.1	80.2	75.5	26	4	2.1	7.4	4.6	0.7	0	6	0	0	6	0	0	0	0	0
FEROZEPUR	25.2	-3.0	31.0	10	..	..	..	..	3.8	8.1	13.5	2.9	26	1	-0.5	5.0	3.5	0.2	2	4	0	0	0	0	0	0	0	0
HALWARA AERODROME	26.1	..	30.5	10	10.3	..	4.5	05	22.1	112.8	..	84.2	26	4	..	..	..	..	1	7	0	0	5	1	0	1	0	0
PATIALA	27.2	-2.2	32.3	10	13.1	-0.7	8.7	06	12.9	51.2	20.5	19.4	26	4	1.9	13.6	10.2	0.9	0	4	0	0	2	0	0	0	0	0
BHATINDA	26.7	-1.7	32.0	02	11.5	-1.0	6.4	06	27.1	102.2	74.8	58.4	26	3	-0.3	4.0	5.2	0.0	0	5	0	0	0	0	0	0	0	0
HIMACHAL PRADESH																												
MANDI	24.9	-0.2	29.3	10	11.4	+1.9	8.1	28	49.7	159.8	87.3	34.3	17	9	3.7	..	..	..	0	9	0	0	4	0	0	0	0	0
BILASPUR	24.6	-2.5	29.0	04	9.3	-1.1	5.3	27	88.6	187.6	147.6	66.6	27	8	4.0	..	..	..	0	8	0	1	3	2	0	0	0	0
JAMMU AND KASHMIR																												
MISGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
GILGIT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
SKARDU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
DRAS	..	..	..	..	..	..	..	..	...	54.9	-66.8	18.5	13	4	-6.0	..	..	..	0	10	9	0	0	0	0	0	0	0
SONAMARG	..	..	Functions only from May to October						..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
LEH	..	..	..	..	-15.5	-1.8	-24.6	01	0.0	0.6	8.3	0.4	01	0	-1.1	7.5	7.4	2.1	1	1	2	0	0	0	0	0	0	0
SRINAGAR	13.0	-0.4	17.7	09	2.9	-0.6	0.1	27	34.1	116.7	22.5	55.1	26	6	-1.5	6.8	6.2	0.6	0	10	2	0	1	0	0	0	0	0
SRINAGAR AERODROME	11.9	..	16.5	09	2.2	..	-2.2	27	34.7	126.7	..	67.1	26	7	..	..	..	..	1	9	4	0	2	0	0	0	0	0
GULMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
QAZIGUND	12.1	..	17.3	09	2.2	..	-2.5	27	81.1	240.6	..	124.4	26	10	..	3.1	2.5	..	1	13	3	0	3	0	0	0	0	0
BANIHAL	13.8	..	19.4	21	3.9	..	-4.2	27	100.9	294.5	..	92.2	26	9	..	..	..	..	0	11	4	0	3	0	0	0	0	0
JAMMU	27.4	+1.0	30.2	11	12.9	-1.9	9.4	26	30.4	166.0	109.6	90.6	26	6	2.3	..	..	..	0	6	0	0	1	0	0	0	0	0
JAMMU AERODROME	25.1	..	30.7	10	13.7	..	9.6	05	39.3	161.9	..	81.2	26	5	..	..	..	..	0	9	0	2	4	0	0	0	0	0
GULMARG (RESEARCH INSTITUTE)	4.2	..	8.6	10	-4.9	..	-10.2	17	207.4	580.0	..	191.2	13	11	..	..	..	..	0	11	13	0	0	18	0	0	0	0
RAJASTHAN, WEST																												
GANGANAGAR	28.1	-1.5	35.0	12	12.9	+1.8	8.3	05	23.5	98.7	77.4	77.7	26	4	2.4	5.0	3.9	-2.5	0	5	0	0	2	1	0	0	0	0
ANUPGARH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
MAHAJAN	29.6	..	36.5	11	8.9	..	[illegible]	[illegible]	13.0	55.2	..	37.6	25	3	..	10.0	7.0	..	0	3	0	0	0	0	1	0	0	0
CHURU	29.0	-2.5	36.0	12	13.5	-0.7	7.8	06	15.6	61.3	51.8	36.4	26	3	1.7	9.1	7.3	-0.5	0	6	0	1	5	1	0	0	0	0
BIKANER	29.8	-2.0	37.0	12	14.5	+0.1	8.5	05	5.3	61.9	55.6	44.6	25	4	3.3	8.1	6.6	0.1	0	8	0	1	7	0	1	0	0	0
NAGAUR	30.5	-1.6	37.2	12	14.5	-1.3	8.8	06	6.5	48.5	46.7	21.7	26	4	3.8	10.6	8.2	-0.3	0	4	0	0	0	0	2	0	0	0
PHALODI	30.8	-1.3	37.9	11	16.1	+0.2	12.0	06	0.0	32.2	28.6	27.0	23	2	1.7	12.9	10.9	-2.0	0	2	0	0	3	0	1	0	0	0
JAISALMER	30.8	-1.8	37.5	11	13.7	-3.2	10.0	27	5.6	40.2	37.7	14.8	24	3	2.6	12.2	9.3	-1.6	0	3	0	0	0	0	0	0	0	0
JODHPUR	32.1	-1.2	39.0	12	16.5	-0.6	10.2	06	46.2	100.1	97.3	49.3	25	4	3.8	9.4	8.1	-1.7	0	4	0	0	3	0	3	0	0	0
BARMER	33.6	-0.3	39.7	10	..	..	..	..	12.0	95.4	91.3	65.8	25	3	2.5	5.2	4.5	-4.6	5	5	0	0	3	0	0	0	0	0
ERINPURA (JAWAI DAM)	31.9	-1.8	37.6	11	16.8	-2.5	12.3	19	70.5	122.5	120.1	57.0	26	3	2.9	3.7	5.5	-1.6	0	4	0	0	0	0	0	0	0	0
RAJASTHAN, EAST																												
PILANI	28.8	-2.7	35.0	13	13.1	-0.5	7.5	19	26.4	60.7	52.4	35.0	26	4	2.8	11.1	8.8	-1.4	0	6	0	0	0	0	1	0	0	0
SIKAR	28.9	-2.6	34.2	13	13.2	-1.3	7.4	06	8.4	33.2	27.7	20.2	26	3	2.4	6.7	0.7	-7.2	1	3	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
RAJASTHAN, EAST (CONTD.)																												
ALWAR	29.7	-2.1	34.1	02	15.3	-0.8	10.9	06	8.4	28.6	12.4	15.4	23	3	2.2	6.9	4.4	..	0	5	0	0	1	0	0	0	0	0
JAIPUR (SANGANER)	29.6	-1.3	34.6	13	15.8	+0.3	9.0	06	23.4	35.2	28.1	11.6	17	4	3.2	..	..	..	0	6	0	0	4	0	1	0	0	0
DHOLPUR	31.3	-1.0	37.2	13	14.4	-1.4	7.7	06	2.8	30.2	9.6	21.0	23	2	0.5	8.5	5.7	-0.1	0	3	0	0	2	0	1	0	0	0
AJMER	29.9	-0.8	35.3	12	15.3	-0.4	9.7	06	22.4	45.0	38.9	25.4	25	2	1.3	10.3	6.8	0.5	1	2	0	0	1	0	0	0	0	0
TONK	31.4	-1.2	36.4	13	13.1	-2.2	11.5	05	12.6	28.6	26.7	16.6	25	3	2.7	9.0	6.9	-0.4	0	3	0	0	4	0	0	0	0	0
BHILWARA	30.6	..	35.2	03	15.7	..	11.3	06	37.7	79.9	..	36.3	25	4	..	7.4	5.5	..	1	5	0	0	4	0	1	0	0	0
KOTA	32.2	-1.9	37.4	13	15.6	-2.9	12.0	06	23.2	34.4	30.3	14.4	26	3	2.5	6.5	4.4	0.5	0	6	0	0	3	0	1	0	0	0
KOTA AERODROME	31.5	..	37.2	03	17.7	..	14.0	09	30.0	42.2	..	14.6	26	5	..	10.6	8.6	..	1	6	0	0	6	0	2	0	0	0
CHAMBAL (RAWAT BHATTA DAM)	31.7	-2.2	37.3	13	17.1	+1.3	13.6	06	30.0	62.1	56.1	20.5	25	5	4.8	8.4	6.2	-0.1	0	6	0	1	8	1	2	1	0	0
UDAIPUR	30.7	-1.6	35.7	12	15.4	+0.3	11.8	07	109.3	200.0	197.2	34.8	25	4	3.6	4.0	2.6	-1.0	0	6	0	1	9	0	0	0	0	0
JHALAWAR (B)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BANSWARA	33.8	..	37.6	05	19.9	..	15.9	10	0.0	39.6	..	37.6	25	2	..	9.1	9.1	..	0	2	0	0	0	0	0	0	0	0
MADHYA PRADESH, WEST																												
GWALIOR	30.7	-2.2	37.0	13	15.4	-0.6	9.0	09	8.3	24.4	19.4	9.4	17	2	1.0	11.5	7.2	1.8	1	7	0	0	6	0	0	0	0	0
SHEOPUR	31.4	-2.8	37.0	13	15.8	-0.2	10.4	06	21.4	28.2	10.4	12.6	25	2	0.9	9.4	7.2	0.8	0	6	0	0	3	0	0	0	0	0
SHIVPURI	30.3	..	36.2	13	12.4	..	5.5	06	20.0	24.3	..	13.8	25	2	..	9.3	5.8	..	0	3	0	0	0	0	0	0	0	0
NOWGONG	31.5	-1.9	37.5	13	14.8	0.0	9.3	06	1.7	25.7	17.3	12.5	25	2	1.1	8.1	4.4	0.2	0	6	0	0	3	0	0	0	0	0
GUNA	31.6	-1.5	38.2	13	15.7	+0.8	10.7	07	9.9	46.6	32.6	14.3	26	4	3.0	12.7	8.8	2.9	0	6	0	0	3	0	0	0	0	0
NIMACH	30.8	-1.9	35.9	12	17.0	+0.2	13.2	06	24.5	89.4	85.8	50.4	25	5	4.7	10.8	8.0	0.3	0	5	0	0	2	0	0	0	0	0
RAJGARH	32.8	-1.7	38.1	13	16.7	+0.5	13.3	09	14.1	39.3	26.6	16.8	25	4	3.1	10.3	7.9	-0.2	0	7	0	1	5	0	0	0	0	0
SAGAR	32.4	-0.3	37.1	14	14.4	-4.1	11.5	17	3.0	48.6	39.7	16.6	18	8	7.1	7.2	9.0	0.7	0	6	0	0	1	0	0	0	0	0
RATLAM	32.7	-1.4	37.8	12	16.0	-2.1	12.4	20	3.4	29.9	27.7	21.6	25	3	2.8	11.2	8.2	0.8	0	4	0	0	4	0	0	0	0	0
BHOPAL (BAIRAGARH)	32.4	-1.2	37.3	13	16.8	-0.3	14.0	20	2.4	35.1	26.2	9.6	18	4	3.1	12.7	9.9	2.7	0	5	0	0	5	0	0	0	4	0
UJJAIN	32.3	..	36.6	12	14.5	..	10.5	06	10.0	30.4	..	8.0	25	4	..	11.0	6.5	..	0	6	0	0	5	0	0	0	0	0
NARSINGHPUR	34.5	..	39.0	13	15.8	..	11.8	09	16.0	38.0	..	16.0	27	3	..	6.3	4.6	..	0	5	0	0	0	0	0	0	0	0
HOSHANGABAD	35.1	+0.2	38.5	05	18.3	-0.3	15.2	23	14.5	23.1	16.8	8.1	27	3	2.4	..	..	..	0	6	0	0	3	0	0	0	0	0
INDORE	32.6	-1.1	37.3	12	16.2	+0.9	13.7	20	10.6	21.4	18.6	9.7	20	3	2.6	14.6	11.4	-1.6	0	6	0	0	4	0	0	0	0	0
RAJPUR (JHABUA)	33.1	-2.0	38.8	12	..	..	..	..	1.4	23.8	23.1	13.6	23	2	1.6	10.0	7.0	0.9	0	4	0	0	2	0	0	0	0	0
CHHINDWARA	31.5	-1.4	35.3	03	16.3	-0.7	11.7	01	20.2	59.6	47.3	20.4	27	5	3.3	10.3	5.5	-0.1	1	7	0	3	7	0	0	0	0	0
SEONI	32.4	-1.0	36.7	09	16.9	-0.5	12.4	20	29.2	152.0	129.7	49.8	19	8	5.9	9.7	6.9	0.8	0	10	0	2	10	0	0	0	0	0
BETUL	32.5	-1.1	36.6	12	16.1	-0.4	12.7	09	4.0	50.5	34.8	27.4	27	3	1.4	8.6	5.4	-0.2	0	7	0	0	6	0	0	0	0	0
KHANDWA	34.5	-1.9	38.5	12	18.2	+0.1	14.8	09	14.0	49.3	44.5	18.6	20	4	3.4	10.3	7.0	-0.4	0	6	0	0	2	0	0	0	0	0
MADHYA PRADESH, EAST																												
SATNA	31.5	-1.6	37.3	13	16.2	+0.2	12.4	21	11.7	50.5	38.6	29.0	25	5	3.8	8.6	5.4	-0.1	0	6	0	1	4	0	0	1	0	0
REWA	31.3	..	37.0	13	14.6	..	10.1	06	26.7	96.6	..	34.8	27	5	..	6.5	4.0	..	0	7	0	1	0	0	0	0	0	0
SIDHI	31.9	-1.3	37.4	13	15.2	+0.1	10.0	07	26.0	58.7	43.7	26.0	18	4	3.2	7.1	3.6	-1.0	0	5	0	0	0	0	0	0	0	0
UMARIA	31.9	-1.0	37.6	13	15.8	+0.5	12.3	21	14.8	56.4	37.3	23.5	18	5	2.9	8.8	5.3	1.0	1	6	0	0	10	0	0	0	0	0
JABALPUR	33.1	-0.9	38.0	13	16.5	+1.0	13.0	10	37.3	67.3	51.8	22.3	23	4	2.5	6.9	4.5	-0.1	0	8	0	1	7	0	0	0	0	0
AMBIKAPUR	29.6	-2.2	35.1	03	15.4	+0.4	10.2	21	12.3	60.7	40.2	18.8	25	7	4.7	10.3	8.2	0.3	2	10	0	0	7	0	2	0	0	0
JASHPUR NAGAR	28.7	..	34.0	03	14.4	..	10.3	01	12.2	46.4	..	11.2	25	7	..	13.3	7.0	..	0	7	0	0	0	0	0	0	0	0
PENDRA	29.3	-2.2	35.0	03	17.1	-0.5	12.0	21	55.3	143.5	117.1	63.1	27	8	5.7	10.2	7.4	0.4	1	11	0	3	14	0	0	0	1	0
MANDLA	32.5	-1.2	36.8	13	14.6	+0.5	10.2	01	156.2	213.0	185.4	65.2	23	10	7.9	7.2	3.8	0.8	0	12	0	3	11	1	0	0	0	0
CHAMPA	32.5	-2.8	38.8	04	18.9	-1.1	14.0	21	28.2	137.3	114.6	49.2	23	8	6.3	7.1	6.2	0.8	1	11	0	0	12	0	0	0	0	0
RAIGARH	33.4	-2.3	39.0	04	19.2	-1.0	14.7	21	30.2	143.5	122.5	60.0	23	8	5.9	6.8	5.4	0.6	0	11	0	0	5	0	0	0	0	0
RAIPUR	33.4	-1.3	38.4	04	19.6	-0.9	14.9	21	2.0	93.9	75.9	29.1	23	5	3.4	9.0	7.6	0.7	1	7	0	0	12	0	0	0	0	0
KANKER	32.9	-1.5	36.4	13	19.4	+0.6	13.9	01	3.4	105.6	85.3	34.8	18	6	4.1	6.9	6.2	0.7	0	6	0	0	10	0	0	0	0	0
JAGDALPUR	32.4	-2.3	36.1	05	18.2	-0.2	12.7	01	10.9	67.2	53.2	15.4	18	8	6.8	..	..	..	2	10	0	0	12	0	0	0	2	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DEESA	33.8	-1.7	40.6	12	17.2	-0.1	11.9	10	54.6	116.0	114.5	89.2	25	2	1.9	10.8	8.3	..	0	3	0	0	0	0	0	0	0	0
RADHANPUR	33.9	-1.4	39.9	09	..	..	..	..	0.0	90.6	90.6	72.0	25	2	2.0	9.0	6.3	0.0	0	2	0	0	0	0	0	0	0	0
IDAR	32.3	-2.4	38.1	12	20.5	+0.5	15.5	01	1.4	66.2	66.2	42.8	25	2	1.9	8.5	7.1	-0.7	0	5	0	0	4	0	0	0	0	0
AHMADABAD	34.7	-1.0	39.0	12	19.1	+0.5	14.3	06	7.0	21.1	19.8	15.7	25	1	0.8	8.5	5.4	-1.9	2	4	0	0	5	0	0	0	0	0
DOHAD	33.5	-1.4	37.8	12	19.2	-0.1	15.1	23	11.2	46.6	45.0	19.0	23	4	3.9	13.0	11.6	-1.7	0	4	0	0	7	0	0	0	0	0
VALLABH VIDYANAGAR	34.5	..	39.1	11	18.1	..	12.2	06	22.6	58.4	..	22.0	26	3	..	7.5	5.6	..	0	5	0	0	2	0	1	0	0	0
BARODA AERODROME	35.2	-1.3	39.6	11	19.0	+0.5	14.7	06	5.9	21.4	21.0	11.5	25	3	2.9	7.8	5.4	-1.3	0	4	0	0	5	1	2	0	0	0
BARODA	36.0	-0.6	40.8	12	19.8	+3.2	15.6	06	9.8	44.3	43.4	21.0	23	3	2.9	5.0	3.2	-0.8	0	4	0	0	3	0	0	0	0	0
BROACH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8.1	5.9	-0.8	.	..	0	0	2	0	1	0	0	0
SURAT	34.3	-1.8	39.4	04	18.9	-1.2	16.3	09	8.1	34.9	34.4	13.0	26	5	4.9	9.2	7.6	1.0	0	5	0	0	1	0	0	0	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																												
NALIYA	31.2	-1.4	37.6	10	16.9	+1.0	11.0	02	11.4	59.8	59.8	47.8	24	2	2.0	14.9	11.3	1.8	0	2	0	0	4	4	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
SURASHTRA AND KUTCH (INCLUDING DIU) (CONTD.)																												
BHUJ (RUDRAMATA)	33.0	-1.0	38.2	12	19.1	+0.8	14.8	02	27.5	53.6	51.6	42.2	24	2	1.8	14.2	11.4	2.9	2	3	0	0	4	0	0	0	0	0
KANDLA AERODROME	33.6	..	38.1	13	19.8	..	15.3	06	50.2	67.0	..	31.2	17	3	..	17.6	18.4	..	0	3	0	1	4	0	0	0	0	0
NEW KANDLA	31.5	-0.5	36.0	10	20.9	+0.7	16.2	23	30.2	64.6	64.6	31.0	24	3	3.0	14.6	14.4	-1.2	0	3	0	1	4	0	0	0	0	0
MANDVI	29.3	-0.5	34.5	05	19.4	+0.8	13.9	02	6.0	120.0	119.3	114.0	24	2	1.8	19.3	17.6	-2.7	0	2	0	0	0	0	0	0	0	0
SURENDRANAGAR	34.5	-1.7	39.2	12	20.5	+0.6	18.4	18	20.0[b]	30.2[a]	30.2	..	..	..	..	12.9	10.2	-2.2	..	..	0	0	3	0	1	0	0	0
OKHA	27.7	..	30.4	19	22.4	..	20.5	16	0.2	39.4	..	36.6	24	2	..	18.1	18.1	..	1	2	0	0	3	1	0	0	0	0
JAMNAGAR AERODROME	32.6	-0.3	36.6	11	18.9	+1.3	14.4	02	12.7	33.3	31.8	20.6	24	21	1.9	..	..	..	0	2	0	0	3	3	0	0	0	0
DWARKA	28.5	+0.3	33.1	04	22.2	+0.7	19.2	07	4.7	6.5	4.2	4.7	25	1	0.8	16.0	14.5	-1.6	0	2	0	0	0	0	0	0	0	0
RAJKOT	34.1	-1.2	38.3	11	18.4	+1.2	15.4	06	22.0	31.8	30.5	14.6	24	3	2.8	20.3	17.7	2.1	0	5	0	0	4	2	0	0	0	0
BHAVNAGAR AERODROME	33.4	-1.3	37.6	04	20.0	+0.4	15.2	09	51.5	57.4	56.2	21.2	24	5	4.9	19.4	16.7	6.9	0	5	0	0	5	0	0	0	0	0
PORBANDER AERODROME	31.5	0.0	38.7	04	19.8	-0.7	14.2	02	38.4	68.6	68.6	28.2	27	4	4.0	18.3	13.1	..	0	5	0	0	4	3	0	0	0	0
KESHOD	35.0	-0.6	39.8	11	18.7	+1.2	14.8	01	3.6	23.5	23.5	18.6	25	1	1.0	19.2	15.5	0.1	0	4	0	0	5	1	0	0	0	0
MAHUVA	32.9	..	38.5	06	18.4	..	13.8	09	138.9	159.9	158.5	72.2	25	5	4.9	9.8	8.2	..	0	5	0	0	1	0	0	0	0	0
VERAVAL	30.6	-0.5	39.1	04	20.0	+1.6	16.2	08	11.0	11.8	10.5	10.0	26	1	0.9	19.9	16.5	1.6	0	3	0	0	1	5	0	0	0	0
DIU	30.0	..	36.0	05	20.8	..	13.3	08	13.4	13.4	..	6.8	26	2	..	16.5	12.3	..	0	2	0	0	0	0	0	0	0	0
KONKAN (INCLUDING GOA)																												
DAHANU	31.5	+1.2	35.1	31	19.7	-1.3	13.3	01	0.0	0.0	- 0.1	0.0	..	0	0.0	17.5	12.0	-2.0	0	0	0	0	0	0	0	0	0	0
BOMBAY (SANTACRUZ)	32.3	-9.6	37.1	31	21.7	+1.5	18.2	07	0.0	0.0	- 0.1	0.0	..	0	0.0	14.5	8.3	-2.1	0	0	0	0	1	0	0	0	0	0
BOMBAY	31.1	+0.1	34.5	03	23.5	+0.8	21.4	07	0.0	0.0	- 1.5	0.0	..	0	- 0.1	12.7	9.7	-0.7	0	0	0	0	1	0	0	0	0	0
ALIBAG	30.4	+0.3	35.0	31	22.0	+0.8	18.5	08	0.0	0.0	- 0.3	0.0	..	0	0.0	.	11.1	2.4	0	0	0	0	0	0	0	0	0	0
BHIRA	38.2	..	42.5	31	20.0	..	14.9	06	0.0	0.0	..	0.0	..	0	..	6.3	3.5	..	0	0	0	0	0	0	0	0	0	0
HARNAI	29.4	+0.5	33.2	28	24.5	+0.4	22.7	06	7.8	7.8	7.8	7.8	20	1	1.0	18.9	14.9	-0.5	0	1	0	0	0	0	0	0	0	0
RATNAGIRI	31.5	+0.1	33.4	31	22.9	+0.3	20.4	03	0.0	5.1	4.8	5.1	31	1	1.0	13.2	8.5	..	0	1	0	0	0	0	0	0	0	0
DEVGARH	31.2	+0.2	32.4	31	22.9	-1.0	21.4	07	0.0	0.0	- 1.1	0.0	..	0	- 0.1	17.0	14.0	-0.8	0	0	0	0	0	0	0	0	0	0
VENGURLA	31.8	-0.2	35.0	03	21.7	-0.2	18.0	03	0.0	0.0	0.0	0.0	..	0	0.0	12.8	6.9	..	0	0	0	0	2	0	0	0	0	0
PANJIM	32.2	..	34.9	03	23.2	..	20.8	03	0.0	0.0	..	0.0	..	0	..	14.4	10.0	..	0	0	0	0	0	0	0	0	0	0
MORMUGAO	30.7	+0.7	32.5	03	24.3	+0.4	21.6	20	0.0	0.0	- 0.3	0.0	..	0	0.0	14.3	12.5	0.0	0	0	0	0	0	0	0	0	0	0
DABOLIM (NAVAL AIR STN.)	31.3	..	33.8	04	24.1	..	21.3	04	0.0	0.2	..	0.2	31	0	..	..	..	..	1	0	0	0	0	0	0	0	0	0
MADHYA MAHARASHTRA																												
NANDURBAR	36.1	-1.3	40.8	11	21.4	-0.6	16.3	20	8.7	19.7	18.5	11.4	24	2	1.8	9.2	7.5	0.4	0	5	0	0	0	0	0	0	0	0
JALGAON	36.5	-1.1	40.1	12	18.7	0.0	13.5	20	0.0	9.9	6.3	3.0	20	2	1.6	13.1	10.9	1.3	1	6	0	0	0	0	0	0	0	0
MALEGAON	35.3	-1.2	39.2	12	17.2	+0.2	14.3	01	7.0	8.2	6.2	6.4	24	1	0.7	9.3	7.7	0.6	0	2	0	0	0	0	0	0	0	0
DZAR	34.4	..	37.5	12	15.8	..	11.2	06	0.0	4.0	..	2.6	25	1	..	13.1	12.5	..	1	2	0	0	0	0	0	0	0	0
AHMADNAGAR	36.5	+0.9	38.7	31	17.8	-0.2	14.0	01	0.0	7.0	2.9	7.0	28	1	0.7	9.0	6.5	-0.7	0	1	0	0	3	0	0	0	0	0
KHANDALA	..	..	..	..	..	..	..	..	..	0.0	0.0	0.0	..	0	0.0	..	..	..	.	..	..	..	..	..	..	.	..	.
POONA AERODROME	35.6	..	38.2	31	18.0	..	13.5	21	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	1	0	0	0	0	0
POONA	35.2	-0.4	37.8	05	16.8	+1.4	12.5	06	0.0	0.0	- 2.0	0.0	..	0	- 0.2	8.3	6.1	..	0	0	0	0	1	0	0	0	0	0
JEUR	35.9	-1.0	38.4	07	19.1	+0.7	13.7	01	0.0	0.0	- 2.0	0.0	..	0	- 0.3	10.7	8.6	0.7	0	0	0	0	1	0	0	0	0	0
BARAMATI	35.8	-0.7	38.1	10	18.9	+0.4	14.8	20	0.0	0.0	- 2.6	0.0	..	0	- 0.5	16.4	8.9	0.1	0	0	0	0	0	0	0	0	0	0
SHOLAPUR	36.9	-0.2	39.0	29	21.1	0.0	17.1	02	0.0	0.0	- 5.8	0.0	..	0	- 0.6	9.3	8.2	-0.1	0	0	0	0	2	0	0	0	0	0
MIRAJ	35.1	-1.1	37.4	31	18.0	-0.6	14.9	08	0.0	6.2	2.4	6.2	31	1	0.3	..	..	..	0	1	0	0	2	0	0	0	0	0
KOLHAPUR	35.0	-0.9	37.8	29	18.3	-0.5	15.0	22	0.0	0.0	- 9.7	0.0	..	0	- 0.7	10.3	9.0	-1.1	0	0	0	0	2	0	0	0	0	0
UDGIR	29.8	..	32.7	31	17.7	..	13.5	21	49.6	49.6	..	49.6	29	1	..	11.5	9.4	..	0	1	0	0	1	0	0	0	0	0
MARATHWADA																												
AURANGABAD	35.0	-0.6	37.2	04[da]	19.9	-0.2	14.4	21	0.0	2.0	- 2.1	2.0	25	0	- 0.5	9.4	8.8	-1.9	0	1	0	0	0	0	0	0	0	0
AURANGABAD (CHIKALTHAN)	34.8	-0.8	37.2	04	16.4	-0.9	10.2	01	0.0	2.6	- 7.0	2.6	25	1	0.1	11.1	8.9	-1.0	0	1	0	0	2	0	0	0	0	0
PARBHANI	36.6	-0.5	38.7	08	19.3	-0.6	14.8	25	0.0	18.0	6.6	18.0	25	1	0.3	8.0	6.5	-1.2	0	1	0	0	1	0	0	0	0	0
NANDER	36.6	..	39.0	05	19.8	..	15.0	20	0.0	22.4	..	16.3	25	2	..	6.7	5.0	..	0	2	0	0	0	0	0	0	0	0
BIR	36.2	..	38.9	30	19.1	..	14.3	21	0.0	0.0	..	0.0	..	0	..	6.7	4.4	..	0	0	0	0	0	0	0	0	0	0
VIDARBHA																												
GONDIA	34.0	-1.2	38.0	06	19.4	-0.2	15.9	21	3.8	43.2	25.8	18.6	27	5	3.0	5.2	3.6	-0.4	0	6	0	1	9	0	0	0	0	0
NAGPUR (SONEGAON)	34.7	-1.7	38.6	06	18.3	-0.8	13.5	01	15.8	86.4	69.6	33.0	20	4	2.4	10.4	8.7	-0.2	3	6	0	0	9	0	0	0	9	0
AMRAOTI	35.2	-1.0	38.4	12	21.0	-0.2	15.3	20	12.0	32.2	22.8	12.0	19	5	4.2	11.5	10.1	0.7	0	6	0	0	4	1	0	0	0	0
AKOLA AERODROME	35.9	..	39.0	12	16.4	..	12.7	20	18.2	25.7	..	18.5	20	3	..	10.0	9.0	..	0	5	0	0	7	0	0	0	0	0
AKOLA	36.0	-1.1	38.8	13	19.7	+0.3	15.2	21	14.9	26.9	19.0	22.4	20	2	1.3	8.2	5.2	-1.4	0	2	0	0	0	0	0	0	0	0
BRAMHAPURI	34.3	-1.1	38.2	06	18.3	-0.8	12.8	01	0.0	105.9	70.1	39.0	18	7	4.1	8.5	6.1	1.1	1	10	0	0	7	0	0	0	0	0
BULDANA	33.0	-1.2	36.2	12	20.3	-1.3	14.8	20	4.1	14.9	8.6	9.2	20	2	1.3	9.7	7.8	-1.3	0	3	0	0	2	0	0	0	0	0
YEOTMAL	34.9	-1.4	38.6	10	20.7	-0.9	15.0	20	10.4	25.2	6.0	18.8	20	2	0.3	12.3	10.5	0.3	0	5	0	1	7	0	2	0	0	0
CHANDRAPUR	34.9	-1.8	39.0	06	20.6	+0.8	16.1	02	35.0	113.3	98.6	28.4	20	7	5.8	8.2	6.0	1.3	0	9	0	1	14	0	0	0	0	0
PUSAD	35.8	..	39.4	06	18.7	..	14.2	01	12.0	41.4	..	24.4	25	3	..	6.2	3.8	..	0	4	0	0	0	0	0	0	0	0

TABLE II – SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – MARCH 1967. (PHALGUNA 10, 1888 SAKA – CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Air temperature in °C: Mean minimum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena – No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
VIDARBHA (CONTD.)																												
STRONGHA	35.0	-2.4	39.1	05	21.4	-0.8	17.5	01	4.2	105.5	88.9	69.2	25	4	2.9	8.1	5.6	0.1	1	5	0	0	5	0	0.0	0	0	0
WARDHA	35.3	..	39.1	10	19.8	..	15.6	20	0.0	61.0	..	18.6	27	6	..	7.4	6.5	..	0	7	0	0	0	0	0	0	0	0
BHANDARA	34.0	..	38.0	13	..	..	..	..	0.0	77.7	..	20.2	18	6	..	6.5	4.8	..	0	7	..	..	..	..	..	..	..	.
COASTAL ANDHRA PRADESH																												
KALINGAPATAM	31.6	-0.3	34.6	05	21.9	-0.9	18.3	03	23.6	25.3	..	..	..	..	..	14.5	9.9	-1.7	.	..	0	0	7	1	0	0	0	0
VISHAKHAPATNAM	32.0	+0.8	35.6	05	22.0	-0.6	17.1	03	85.2	99.0	87.8	44.4	26	4	3.3	16.0	8.5	-1.1	0	6	0	0	9	0	0	0	0	0
KAKINADA	32.1	-0.9	36.6	05	22.3	-0.8	19.0	20	154.4	166.4	154.7	81.2	26	5	4.3	12.0	8.1	-0.2	0	5	0	0	0	0	0	0	0	0
NIDADAVOLE	32.8	-1.4	35.6	05	21.2	-1.1	18.5	02	47.0	58.2	40.0	17.2	24	5	3.9	7.5	5.0	-0.6	0	5	0	0	0	0	0	0	0	0
KERTACHINTALA	35.2	-2.3	39.6	31	23.0	0.0	18.6	01	0.0	11.0	3.9	11.0	25	1	0.5	8.9	8.1	0.0	0	1	0	0	0	0	0	0	0	0
GANNAVARAM	33.4	-2.2	37.1	05	21.5	-0.8	18.0	19	119.2	138.8	126.8	76.4	19	4	3.5	15.8	10.3	-0.4	0	4	0	0	4	3	0	0	0	0
MASULIPATAM	31.1	-0.8	35.0	31	21.9	-1.0	19.5	14	116.8	122.8	109.3	47.0	26	4	3.4	4.9	2.9	-6.2	0	5	0	0	0	0	0	0	0	0
ONGOLE	33.2	+0.9	35.6	22	22.3	-1.0	17.5	03	84.4	111.6	104.9	64.0	26	4	3.7	11.5	7.9	-0.5	0	4	0	0	0	0	0	0	0	0
NELLORE	33.5	-1.0	36.5	06	22.8	-0.3	19.8	03	0.0	85.7	78.8	67.6	19	2	1.6	11.2	9.0	0.4	0	2	0	0	2	0	0	0	0	0
TELANGANA																												
RAMGUNDAM	35.1	-2.6	39.4	05	21.4	-1.3	17.6	01	2.0	48.2	37.4	25.0	25	4	3.1	9.9	7.8	0.9	0	5	0	0	0	0	0	0	0	0
NIZAMABAD	35.7	-0.7	38.9	08	20.7	-0.3	16.0	03	13.2	35.2	25.0	16.6	19	5	4.2	7.4	6.3	1.2	0	6	0	0	4	0	0	0	0	0
HANAMKONDA	33.7	-2.2	37.1	05	21.0	-1.2	17.8	01	3.4	47.2	36.0	23.6	19	3	2.2	8.0	10.0	0.3	0	3	0	3	3	4	0	0	0	0
HAKIMPET AERODROME	32.9	..	36.0	31	19.9	..	16.7	20	53.3	60.8	..	30.5	19	4	..	..	..	..	0	6	0	2	8	1	0	0	0	0
BHADRACHALLAM	35.1	-2.1	39.6	05	22.1	-0.7	17.8	01	40.0	129.4	121.1	66.0	18	4	3.2	6.5	6.1	-2.2	0	5	0	0	1	1	0	0	0	0
HYDERABAD (BEGAMPET)	34.2	-0.6	36.9	05	19.2	-0.8	14.7	02	20.2	29.7	16.8	12.0	18	4	3.2	12.5	8.1	-1.5	0	5	0	0	9	0	0	0	0	0
KHAMMAM	34.9	-1.9	39.6	06	22.3	-0.8	18.8	18	40.0	129.4	118.2	66.0	18	4	3.1	6.9	6.6	-2.2	0	5	0	0	1	1	0	0	0	0
MAHBUBNAGAR	34.3	-1.3	36.4	07	20.3	-0.9	15.7	02	0.0	0.0	- 7.9	0.0	..	0	- 0.4	8.0	6.6	-1.7	0	0	0	0	0	0	0	0	0	0
RAYALASEEMA																												
KURNOOL	36.6	-0.9	39.5	31	22.2	-0.3	15.2	03	0.0	2.6	- 2.7	2.6	25	1	0.6	9.5	7.5	-0.2	0	1	0	0	0	0	0	0	0	0
NANDYL	36.4	..	39.6	31	21.4	..	16.3	03	0.0	0.0	..	0.0	..	0	..	9.4	8.2	..	0	0	0	0	0	0	0	0	0	0
ANANTAPUR	35.8	-1.0	38.4	31	21.2	-0.4	14.3	03	0.0	7.8	4.5	7.8	19	1	0.7	10.5	9.6	-0.3	0	1	0	0	1	0	0	0	0	0
CUDDAPAH	35.8	-1.9	38.4	31	22.6	-1.4	14.7	03	0.0	31.0	25.2	19.0	19	2	1.6	9.9	7.1	-4.1	0	2	0	0	0	0	0	0	0	0
AROGYAVARAM	32.1	-1.1	33.8	07	16.6	-2.5	11.6	03	0.0	120.0	116.7	115.0	19	2	1.6	8.9	8.2	-0.4	0	2	0	0	0	0	0	0	0	0
MADRAS STATE (INCLUDING PONDICHERRY)																												
MADRAS	31.5	-0.2	33.7	20	23.3	+0.4	20.9	01	1.5	20.2	18.1	18.0	24	1	0.8	10.6	6.8	0.3	1	3	0	0	1	0	0	0	0	0
MADRAS (MINAMBAKKAM)	32.5	-0.2	34.2	23	23.1	0.0	20.2	03	25.4	29.4	16.2	22.2	21	2	1.4	14.8	10.0	-0.2	0	6	0	0	4	1	0	0	0	0
VELLORE	33.0	-1.5	35.0	06	21.0	-0.4	15.2	04	0.0	32.3	23.9	19.0	19	2	1.5	9.5	8.0	0.5	1	4	0	0	4	2	0	0	0	0
TAMBARAM AERODROME	33.6	..	36.5	06	22.7	..	19.4	01	7.6	10.7	..	7.6	21	1	..	..	..	..	0	3	0	0	5	1	0	0	0	0
TIRUPPATTUR	34.3	-1.1	35.6	03	20.8	+1.2	16.8	03	0.0	57.3	46.3	25.3	22	3	2.4	6.8	4.2	0.0	0	3	0	0	0	0	0	0	0	0
METTUR DAM K.S.	34.6	..	36.4	31	22.3	..	17.4	02	12.0	110.2	..	54.4	22	4	..	7.6	7.6	..	0	5	0	0	0	0	0	0	0	0
CUDDALORE	31.0	+0.2	33.0	24	23.2	+0.3	20.0	09	14.9	15.5	- 3.6	14.9	25	1	0.2	..	..	..	0	2	0	0	3	0	0	0	0	0
KALLAKURICHCHI	33.7	-2.2	36.1	06	22.4	0.0	19.6	04	15.0	35.0	26.3	13.8	21	3	2.2	6.5	5.2	..	0	5	0	0	2	0	0	0	0	0
SALEM	34.0	-2.1	37.1	31	22.3	-0.2	19.8	02	0.2	66.8	55.6	31.4	21	3	2.2	8.0	9.9	-0.4	1	4	0	0	7	0	0	0	0	0
COIMBATORE (PILAMEDU)	33.8	-1.3	36.0	24	20.8	-0.6	17.6	04	1.6	14.0	8.2	11.5	26	1	0.4	12.8	10.1	-1.9	0	2	0	0	2	0	0	0	0	0
COIMBATORE	34.3	-0.4	36.8	23	21.4	-0.7	19.0	04	..	2.8	- 9.1	2.8	26	1	0.1	.	6.2	-0.9	0	1	0	0	0	0	0	0	0	0
NAGAPATTINAM	30.9	+0.6	32.1	11	25.5	+0.4	21.8	02	3.4	10.0	- 14.1	3.0	19	2	0.7	14.3	14.8	0.5	0	6	0	0	5	0	0	0	0	0
TIRUCHCHIRAPPALLI	34.1	-1.0	36.1	18	22.9	0.0	19.9	02	0.0	2.9	- 6.5	2.7	19	1	0.2	9.1	8.3	-0.5	0	1	0	0	2	0	0	0	0	0
VEDARANNIYAM	33.4	..	34.7	27	25.0	..	21.1	02	5.4	11.4	..	5.4	20	2	..	6.4	4.7	..	0	3	0	0	0	0	0	0	0	0
ATIRAMPATTINAM	32.2	..	33.4	17	23.5	..	20.6	08	68.0	124.6	..	119.4	20	2	..	13.7	10.2	..	0	3	0	0	2	0	0	0	0	0
MADURAI	33.6	-1.4	35.9	19	23.2	-0.2	21.2	07	..	151.9	130.3	91.8	20	5	3.7	.	6.0	0.2	0	6	0	0	5	0	0	0	0	0
MADURAI AERODROME	33.9	-1.1	36.3	19	22.3	-0.3	19.4	02	1.0	62.5	38.8	24.4	24	4	2.8	8.6	6.6	-2.9	0	6	0	0	7	0	0	0	0	0
TONDI	30.5	-0.2	31.5	16	24.7	-0.2	21.3	02	4.2	41.0	16.5	16.2	24	3	2.3	14.6	16.6	0.0	0	3	0	0	4	0	0	0	0	0
PAMBAN	30.9	+0.1	32.2	18	25.2	+0.1	23.0	07	1.3	27.9	5.3	26.1	20	1	- 0.6	23.6	21.1	0.2	1	2	0	0	0	0	0	0	0	0
TUTICORIN	30.6	+0.9	32.3	24	23.5	-1.4	20.3	02	0.0	0.0	- 29.6	0.0	..	0	- 1.3	19.3	17.9	1.5	0	0	0	0	0	0	0	0	0	0
PALAYANKOTTAI	34.8	-0.2	36.6	30	24.1	-0.3	21.8	02	2.0	7.2	- 22.8	5.2	16	1	- 1.1	9.8	7.1	-0.8	0	3	0	0	2	0	0	0	0	0
KANNIYAKUMARI	32.0	..	34.3	05	24.8	..	22.9	08	3.0	24.5	..	21.0	05	2	..	19.0	14.3	..	0	3	0	0	0	0	0	0	0	0
COASTAL MYSORE																												
KARWAR	31.2	+0.3	38.6	03	22.2	-0.3	17.3	04	0.0	0.0	- 0.3	0.0	..	0	0.0	8.2	5.3	..	0	0	0	0	0	0	0	0	0	0
HONAVAR	31.9	0.0	34.8	04	22.3	-0.4	17.9	04	0.0	0.0	- 0.3	0.0	..	0	0.0	..	..	..	0	0	0	0	1	0	0	0	0	0
MANGALORE (BAJPE)	33.2	+0.2	35.3	30	22.8	-0.7	19.9	03	0.0	0.0	- 7.1	0.0	..	0	- 0.1	11.1	6.9	-0.9	0	0	0	0	1	0	0	0	0	0
MANGALORE	31.3	-0.4	33.6	04	24.0	-0.5	21.2	03	0.0	0.0	- 8.9	0.0	..	0	- 0.5	13.4	10.0	1.5	0	0	0	0	0	0	0	0	0	0
INTERIOR MYSORE NORTH																												
BIDAR	34.3	-0.3	36.2	08	20.6	-1.3	17.4	20	1.2	10.7	- 1.2	9.0	29	1	- 0.1	8.5	6.3	-4.5	1	2	0	0	3	0	0	0	0	0
GULBARGA	36.4	-0.4	39.0	06	21.1	-0.6	16.6	20	0.0	29.6	20.5	27.6	29	1	0.2	11.0	8.3	-2.1	0	2	0	0	2	3	0	0	0	0
BIJAPUR	36.1	+0.1	38.2	05	20.8	-0.5	16.5	20	0.0	6.8	- 0.3	4.8	29	1	0.3	8.0	6.9	0.8	0	1	0	0	1	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - MARCH 1967, (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
INTERIOR MYSORE NORTH (CONTD.)																												
RAICHUR	36.7	+0.1	39.4	30	22.8	-0.9	18.8	03	0.0	0.0	- 4.1	0.0	..	0	- 0.5	9.7	11.6	1.6	0	0	0	0	0	0	0	0	0	0
BELGAUM	34.9	-0.1	37.4	06	17.2	-0.8	13.9	20	0.0	0.0	- 9.9	0.0	..	0	- 0.8	7.0	5.0	-2.2	0	0	0	0	1	0	0	0	0	0
BELGAUM(SAMRA)	33.1	-1.2	35.1	31	17.5	-1.1	13.4	21	0.0	1.6	- 9.9	1.4	30	1	0.0	10.3	7.8	-4.5	1	1	0	0	5	0	0	0	0	0
GADAG	35.2	-0.8	37.6	29	20.0	-1.0	15.9	22	0.3	2.5	- 4.6	2.5	29	1	0.4	10.1	8.5	0.4	0	1	0	0	0	0	0	0	0	0
INTERIOR MYSORE, SOUTH																												
BELLARY	37.1	+0.7	40.6	31	21.1	-1.8	16.0	05	0.0	0.0	- 4.8	0.0	..	0	- 0.5	4.8	5.3	-0.6	0	0	0	0	0	0	0	0	0	0
CHITRADURGA	33.9	-1.0	36.5	31	20.3	-1.2	17.0	03	0.0	3.6	- 0.7	3.6	19	1	0.6	8.0	7.1	0.0	0	1	0	0	1	0	0	0	0	0
SHIMOGA	34.9	-0.4	36.8	30	17.5	-1.6	12.2	03	0.0	5.6	- 4.9	5.6	29	1	0.1	3.9	3.0	-1.9	0	1	0	0	1	0	0	0	0	0
AGUMBE	30.4	..	32.8	30	15.5	..	9.4	05	..	0.0	..	0.0	..	0	..	.	3.2	..	0	0	0	0	0	0	0	0	0	0
BALEHONNUR	33.5	+2.2	36.4	30	16.6	-0.9	13.9	20	..	1.0	- 20.8	1.0	29	0	- 1.3	..	..	..	0	1	0	0	0	0	0	0	0	0
HASSAN	32.4	-0.5	34.6	30	16.6	-1.6	13.4	02	0.0	0.6	- 10.1	0.6	27	0	- 0.8	6.7	4.6	-2.1	0	1	0	0	0	0	0	0	0	0
BANGALORE	31.4	-0.9	33.2	31	18.5	-0.5	14.0	03	0.1	11.3	0.6	8.0	19	2	1.2	6.6	4.8	-4.6	0	2	0	0	2	0	0	0	0	0
BANGALORE AERODROME	30.9	-2.3	33.4	31	16.9	-1.8	11.9	04	0.0	10.3	5.0	7.3	19	2	1.4	..	..	..	0	2	0	0	3	3	0	0	0	0
MYSORE	32.8	-0.7	34.0	31	19.0	-1.2	15.1	04	0.0	0.0	- 13.2	0.0	..	0	- 0.9	12.1	9.0	0.2	0	0	0	0	0	0	0	0	0	0
KERALA																												
CALICUT	33.5	+0.9	36.5	18	24.1	-0.6	22.2	19	0.0	4.6	- 13.9	4.6	19	1	0.2	10.7	8.5	-3.8	0	1	0	0	0	0	0	0	0	0
PALGHAT	37.2	-0.2	39.1	31	23.6	-0.9	20.0	04	0.0	1.8	- 22.5	1.8	19	0	- 1.6	8.1	6.4	-2.1	0	1	0	0	0	0	0	0	0	0
FORT COCHIN	31.7	+0.4	32.9	30	23.6	-2.2	20.1	02	0.0	50.2	- 2.1	22.0	19	3	0.0	15.4	11.3	0.7	0	5	0	0	2	0	0	0	0	0
COCHIN(NAVAL AIR STATION)	32.4	..	33.5	28	24.6	..	21.9	03	0.0	27.6	..	17.0	19	3	..	15.4	10.2	..	0	4	0	0	7	0	0	0	0	0
ALLEPPEY	33.0	+0.4	34.0	30	25.0	+0.1	23.1	02	0.0	15.2	- 61.4	8.6	15	2	- 2.2	18.6	12.4	0.0	0	4	0	0	6	0	0	0	0	0
PONNANI	36.6	+0.7	38.1	15	22.4	-0.2	20.3	07	9.6	64.4	- 28.2	24.6	18	5	- 0.3	6.0	4.0	-0.6	0	5	0	0	0	0	0	0	0	0
TRIVANDRUM	32.5	0.0	33.9	31	23.8	-0.4	21.5	07	2.4	41.1	2.5	32.5	26	2	- 0.7	9.6	6.3	-0.3	0	2	0	0	10	0	0	0	0	0
TRIVANDRUM AERODROME	31.9	-0.5	32.8	25	23.7	0.0	20.7	07	..	31.1	5.7	20.4	26	2	- 0.1	.	7.2	-0.4	0	3	0	0	7	0	0	0	0	0
ARABIAN SEA ISLANDS																												
AMINI	31.9	-0.8	33.0	30	24.7	-1.0	21.8	03	0.0	0.0	- 4.3	..	..	0	- 0.3	10.5	8.1	-0.5	0	0	0	0	0	0	0	0	0	0
AGATTI	31.6	..	33.2	28	26.5	..	25.0	04	0.0	0.0	..	..	..	0	..	5.4	4.0	..	0	0	0	0	0	0	0	0	0	0
ANDROTH	32.2	..	33.6	31	25.7	..	22.4	03	0.0	0.0	..	..	..	0	..	5.4	3.8	..	0	0	0	0	0	0	0	0	0	0
MINICOY	31.3	+0.8	32.3	29	24.4	-0.3	22.1	02	2.2	6.7	- 14.1	3.2	11	2	0.6	10.8	4.9	-2.0	0	3	0	0	0	0	0	0	0	0
HILL STATIONS(EXCLUDING KASHMIR)																												
DALHOUSIE	18.8	+1.1	22.0	16	5.8	-2.2	- 0.8	28	59.9	158.9	36.7	80.5	16	5	- 1.2	4.0	5.1	-0.8	0	7	2	3	2	0	1	0	0	0
DHARMASALA	19.9	-1.2	24.4	03	9.8	-2.9	4.4	26	54.1	202.8	84.5	57.8	26	10	3.5	7.5	6.7	0.7	0	13	0	0	5	0	0	0	0	0
BHUNTAR	20.2	..	25.6	10	5.5	..	2.3	02	49.5	167.6	..	41.2	16	10	..	8.9	6.9	..	0	14	0	2	9	0	0	0	0	0
SIMLA	13.3	-1.1	18.7	10	4.9	-1.9	- 2.0	26	49.4	114.6	50.6	28.1	17	8	2.8	2.3	2.0	-2.7	0	13	6	5	0	0	0	0	0	0
DHARAMPUR	..	..	..	..	..	..	..	..	..	141.4	82.4	39.0	26	7	3.1	..	..	..	0	8	..	..	..	..	..	.	..	.
GHANGARIA (KANJALIA TOK)	7.9	+5.0	11.8	10	- 2.7	-0.4	- 5.4	17	..	254.2	74.9	45.2	13	13	0.5	..	..	..	0	14	14	0	0	0	0	0	0	0
BADRINATH	..	Functions only from May to October							..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JOSHIMATH	15.7	-2.3	20.0	10	6.7	+0.1	3.2	17	18.2	130.4	10.3	31.6	26	8	0.7	7.1	7.6	-1.0	0	9	0	0	0	0	0	0	0	0
MUSSOORIE	14.6	-1.6	20.6	03	5.8	-1.4	0.7	27	24.0	146.6	88.8	75.0	26	7	2.8	14.0	12.4	4.5	0	7	0	0	5	0	0	0	0	0
MUKTESWAR(KUMAUN)	14.1	-1.7	19.5	12	5.1	-1.3	- 0.4	27	30.6	160.4	111.9	79.6	26	8	3.9	14.6	13.4	0.5	0	13	2	3	10	1	0	0	0	0
NAINITAL	13.9	-2.8	19.0	04	6.0	-1.9	1.8	27	49.2	159.7	106.0	60.0	26	8	3.9	10.9	8.1	0.2	0	8	0	1	0	0	0	0	0	0
KALIMPONG	18.9	-1.7	21.0	10	10.5	-1.7	7.4	01	57.4	135.7	106.5	49.0	02	7	3.8	16.6	14.8	5.3	0	9	0	0	0	0	0	0	0	0
DARJEELING	9.9	-4.9	12.5	19	4.8	-2.9	1.4	22	65.3	147.5	93.6	64.8	24	8	3.7	3.4	3.2	0.1	1	10	0	0	2	4	0	0	0	0
KOHIMA(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SHILLONG(C.S.O.)	18.8	-3.8	22.2	04	10.0	+0.1	7.2	21	64.5	117.7	61.3	39.0	21	9	4.7	6.3	5.3	-0.9	0	14	0	0	7	1	0	0	0	0
CHERRAPUNJI	20.0	-0.5	20.5	09	10.7	-2.2	8.0	22	52.4	166.2	- 24.3	71.3	21	11	3.7	8.5	9.3	-2.5	0	17	0	0	1	4	0	0	0	0
ABU(R)	24.2	-1.1	29.9	13	15.0	-0.9	11.4	27	33.2	125.0	121.1	89.0	25	4	3.5	9.8	7.1	-0.2	0	4	0	0	1	0	0	0	0	0
AJAL(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
PACHMARHI	27.7	-1.2	31.9	12	14.3	-0.5	10.4	21	9.6	57.4	42.7	29.0	27	6	4.7	6.1	4.3	-0.2	0	8	0	4	7	0	0	0	0	0
MAHABALESHWAR	28.8	0.0	32.6	31	15.9	-1.5	11.2	21	0.8	6.1	1.5	5.3	12	1	0.6	10.1	10.4	0.7	0	2	0	0	0	0	0	0	0	0
MERCARA	29.1	+0.6	31.3	31	15.2	-1.4	11.0	21	0.0	0.0	- 18.8	0.0	..	0	- 1.4	10.0	8.0	0.0	0	0	0	0	0	0	0	0	0	0
OOTACAMUND	22.1	+0.2	24.4	05	7.5	-0.9	3.6	12	8.6	8.6	- 23.9	7.8	20	1	- 1.4	5.1	2.9	-1.3	0	2	0	0	0	0	0	0	0	0
COONOOR	23.1	+0.4	25.6	09	9.5	-1.8	6.7	13	..	4.2	- 66.7	3.0	26	1	- 1.8	..	..	..	0	3	0	0	0	0	0	0	0	0
KODAIKANAL	19.6	+0.4	21.9	29	9.4	-0.6	6.8	02	16.6	31.3	- 20.3	11.3	18	4	0.8	13.3	12.8	-0.7	0	7	0	1	5	0	0	0	0	0
NEPAL																												
KATMANDU	22.5	-2.7	26.2	04	6.3	-1.7	3.1	06	25.4	51.2	18.2	12.4	24	6	2.8	2.0	0.9	-1.0	0	10	0	1	6	2	0	0	0	0
SIKKIM																												
LACHEN	..	..	..	..	..	..	..	..	..	212.7	+ 72.9	22.1	27	18	+ [illegible]	..	..	..	0	19	..	..	..	..	..	.	..	.
HYDROMETEOROLOGICAL OBSERVATORIES																												
DAMODAR CATCHMENT																												
TILAIYA	29.9	..	34.5	13	16.4	..	10.6	01	5.0	32.4	..	19.4	21	3	..	9.3	4.5	..	0	5	0	0	0	0	0	0	0	0
HAZARIBAGH	28.9	..	32.9	13	15.2	..	11.5	01	24.9	46.8	..	30.8	21	3	..	10.2	6.3	..	1	5	0	0	5	0	2	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – MARCH 1967. (PHALGUNA 10, 1888 SAKA – CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
DAMODAR CATCHMENT. (CONTD.)																												
KONAR	31.6	..	34.6	31	15.1	..	11.5	01	0.0	42.0	..	36.0	21	2	..	10.3	7.9	..	0	4	0	0	0	0	0	0	0	0
BOKARO	32.3	..	37.4	14	14.2	..	8.4	01	44.9	77.2	..	40.0	21	5	..	6.5	5.3	..	1	6	0	0	0	0	0	0	0	0
MAITHON	32.9	..	37.4	13	16.6	..	10.3	01	18.2	96.2	..	86.7	21	3	..	2.8	2.2	..	0	3	0	0	3	0	0	1	0	0
RAMGARH	35.6	..	37.4	14	14.4	..	9.2	01	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
PANCHET HILLS	32.0	..	36.0	13	18.9	..	13.9	01	1.3	84.7	..	78.5	21	2	..	6.1	3.8	..	0	5	0	1	1	4	0	1	0	0
DURGAPUR	31.4	..	35.4	04	18.2	..	13.0	01	20.0	40.5	..	18.0	26	2	..	8.7	7.5	..	0	7	0	0	0	0	1	0	0	0
MAHANADI CATCHMENT																												
GINABAHAR	31.7	..	36.4	03	14.5	..	10.1	21	..	52.1	..	17.2	18	5	..	..	..	..	1	8	0	0	7	0	0	0	0	0
HIRAKUD	32.8	..	37.5	04	19.9	..	16.0	01	8.2	107.0	..	64.2	23	6	..	3.9	2.8	..	0	9	0	1	12	0	0	0	1	0
BHIMKUND	31.7	..	37.2	04	18.4	..	13.7	01	41.7	81.9	..	20.0	23	8	..	8.6	4.5	..	0	10	0	1	15	0	0	0	0	0
SONEPUR	33.3	..	35.0	06	20.4	..	14.6	01	..	119.2	..	87.5	23	4	..	.	5.5	..	0	8	0	0	0	0	0	0	0	0
KHIJRAWAN	33.3	..	37.2	13	..	..	..	..	0.0	82.3	..	25.2	20	5	..	11.2	7.6	..	0	7	0	1	13	0	0	0	3	0
NARMADA CATCHMENT																												
BAGRA TAWA	34.1	..	38.0	13	16.2	..	12.3	08	0.2	17.5	..	6.8	23	2	..	10.0	6.9	..	0	6	0	0	2	0	2	0	0	0
PUNASA	34.8	..	39.2	12	18.3	..	14.4	21	0.0	9.7	..	3.4	20	2	..	8.8	7.6	..	0	4	0	0	0	0	0	0	0	0
THIKRI	36.3	..	41.5	12	15.4	..	13.1	06	..	17.3	..	8.7	23	2	..	..	..	..	1	5	0	0	0	0	0	0	0	0
SABARMATI CATCHMENT																												
DAROI	34.1	..	38.6	15	12.4	..	9.2	22	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
GANDAK CATCHMENT																												
JAMOSOM	14.8	..	19.3	04	0.7	..	- 2.5	06	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
KHUDI BAZAR	23.6	..	26.8	05	12.3	..	7.9	22	69.8	138.6	..	33.0	12	8	..	..	..	..	0	12	..	..	..	..	..	.	..	.
TIMURE	19.1	..	23.4	04	6.5	..	3.0	02	22.8	77.1	..	18.9	24	8	..	..	..	..	0	12	..	..	..	..	..	.	..	.
POKHARA	24.1	..	27.7	13	12.3	..	8.1	22	52.4	69.9	..	20.8	22	5	..	4.1	3.6	..	0	8	0	3	8	0	0	0	0	0
GORKHA	23.3	..	26.3	05	12.6	..	8.1	22	18.5	42.6	..	20.5	24	5	..	..	..	..	1	7	0	1	6	4	0	0	0	0
NUWAKOT	25.1	..	28.0	08	13.1	..	9.5	22	11.6	62.4	..	20.4	24	6	..	..	..	..	0	6	..	..	..	..	..	.	..	.
GHAGHARA CATCHMENT (TRANS HIMALAYAN REGION)																												
DAILEKH	20.2	..	24.6	14	8.9	..	5.5	27	10.6	48.8	..	26.4	26	4	..	..	..	..	0	7	..	..	..	..	..	.	..	.
GHAGHARA CATCHMENT																												
DADELDHURA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SALLYANA	20.6	..	25.6	04	11.3	..	5.1	27	36.4	81.7	..	25.9	26	6	..	..	..	..	0	7	..	..	..	..	..	.	..	.
BUTWAL	29.0	..	32.4	15	16.9	..	14.4	22	6.6	32.2	..	17.0	14	5	..	..	..	..	0	6	..	..	..	..	..	.	..	.
BAGHMATI CATCHMENT																												
KATMANDU	..	..	..S&E UNDER NEPAL				..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
KOSI CATCHMENT																												
CHAUTARA	..	Temporarily closed.				..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
WALUNGCHUNG GOLA	7.2	..	10.9	04	- 8.8	..	-13.3	22	105.4	353.0	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
TAPLETHOK	22.7	..	25.7	05	10.1	..	5.4	22	14.4	101.4	..	32.8	24	6	..	..	..	..	0	9	..	..	..	..	..	.	..	.
BHOJPUR	17.3	..	20.9	06	10.1	..	5.7	22	13.6	75.8	..	29.8	24	5	..	..	..	..	0	6	..	..	..	..	..	.	..	.
TAPLEJUNG	17.0	..	19.8	04	7.8	..	3.9	22	60.7	134.7	..	42.4	24	9	..	6.5	4.1	..	0	11	0	0	6	4	0	0	0	0
OKHALDHUNGA	17.7	..	21.3	12	8.1	..	5.1	22	26.0	74.2	..	28.1	24	5	..	7.7	5.5	..	1	9	0	3	6	3	0	0	0	0
CHAINPUR	21.8	..	24.7	11	12.1	..	8.4	24	13.4	47.2	..	17.6	21	6	..	..	..	..	1	10	..	..	..	..	..	.	..	.
ANGBUNG	23.9	..	26.7	05	..	..	..	..	79.0	137.9	..	25.0	17	9	..	..	..	..	0	10	..	..	..	..	..	.	..	.
BARAHAKSHETRA	28.5	..	31.9	13	16.6		13.3	06	20.3	120.6	..	71.6	24	5	..	7.9	4.7	..	1	6	0	1	4	0	0	0	0	0
TISTA CATCHMENT																												
GANGTOK	17.1	..	21.5	12	7.5	..	4.4	24	115.0	225.7	..	70.3	20	11	..	6.2	5.0	..	1	16	0	1	5	10	0	0	1	0
GEZING	19.8	..	24.3	12	8.9	..	5.1	22	45.5	112.0	..	34.4	24	8	..	..	..	..	0	12	..	..	..	..	..	.	..	.

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS -

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
MAYA BANDAR	0830	28	1012.8	1009.7	-0.1	27.1	24.3	23.0	28.1	79	+ 4	2.2	-0.5	3.9	0	0	17	00	15	1	0	0	0	0	1	14	0
	1730	28	1009.5	1006.4	-0.6	27.7	24.6	23.1	28.3	76	+ 3	2.3	-1.0	7.5	0	1	26	01	20	2	1	0	0	0	3	4	0
LONG ISLAND	0830	25	1012.9	1010.1	+0.0	27.7	24.6	23.1	28.3	76	+ 1	3.2	+0.2	1.1	0	0	13	00	2	6	0	0	0	4	1	18	0
	1730	25	1009.6	1006.9	-0.3	27.2	24.2	22.8	27.7	77	+ 6	2.8	-0.8	0.4	0	0	5	00	3	2	0	0	0	0	0	26	0
PORT BLAIR	0530	79	1010.8	1001.8	..	23.3	22.5	22.1	26.6	93	..	3.0	..	1.3	0	0	6	01	4	0	0	0	0	0	1	25	0
	0830	79	1012.7	1003.9	+0.4	29.0	24.6	22.5	27.3	68	- 1	3.0	-0.4	6.2	0	0	26	08	15	0	0	0	1	0	2	5	0
	1130	79	1011.4	1002.6	..	30.9	25.2	22.5	27.3	61	..	3.0	..	8.5	0	0	31	05	21	5	0	0	0	0	0	0	0
	1430	79	1009.1	1000.3	..	30.6	25.2	22.7	27.6	63	..	3.0	..	8.4	0	0	31	00	24	5	2	0	0	0	0	0	0
	1730	79	1009.7	1000.8	+0.3	27.6	24.1	22.5	27.3	74	+ 0	2.9	-1.0	3.8	0	0	19	00	13	4	0	1	0	0	1	12	0
	2030	79	1011.7	1002.7	..	26.1	23.8	22.7	27.6	82	..	1.9	..	3.0	0	0	11	00	9	1	0	0	0	1	0	20	0
	2330	79	1011.3	1002.3	..	25.0	23.3	22.5	27.3	86	..	2.8	..	2.9	0	0	11	00	7	0	0	0	0	3	1	20	0
CAR NICOBAR	0830	10	1011.9	1010.7	-0.2	26.9	24.7	22.7	27.6	70	+ 0	3.6	-0.3	1.4	0	0	21	00	11	9	0	0	0	0	0	10	1
	1730	10	1009.3	1008.1	+0.0	28.1	24.5	22.8	27.7	73	- 2	3.5	-0.4	0.6	0	0	9	00	3	6	0	0	0	0	0	22	0
NAN COWRY	0830	26	1012.1	1009.2	+0.0	29.2	25.9	24.5	30.7	76	+ 1	2.5	-2.4	0.5	0	0	5	00	0	2	2	0	1	0	0	26	0
	1730	26	1009.1	1006.2	+0.1	28.9	25.5	24.0	29.8	75	- 3	2.8	-1.9	0.2	0	0	3	00	0	2	1	0	0	0	0	28	0
KONDUL	0830	8	..	..	+ .	28.4	25.4	24.1	30.0	78	- 4	3.1	-1.8	5.7	0	0	22	00	10	12	0	0	0	0	0	9	0
	1730	8	..	..	+ .	28.2	25.3	24.0	29.8	78	- 5	2.5	-2.5	6.1	0	0	28	00	15	13	0	0	0	0	0	3	0
NORTH ASSAM (INCLUDING NEFA)																											
PASIGHAT	0830	157	1014.5	996.3	+0.5	18.4	15.8	14.1	16.1	75	+ 8	5.8	+1.2	15.4	0	13	15	00	0	0	1	0	0	0	27	3	0
	1730	157	1010.3	992.3	+0.3	20.7	17.3	15.2	17.3	70	+ 1	5.4	+0.6	9.0	0	6	15	00	1	0	1	1	2	0	16	10	0
DIBRUGARH (MOHANBARI)	0230	111	1011.7	998.6	..	16.5	15.3	14.6	16.6	90	..	6.0	..	6.1	0	0	28	05	19	2	1	0	0	0	1	3	0
	0530	111	1012.4	999.4	..	15.5	14.7	14.3	16.3	91	..	6.0	..	4.4	0	0	22	02	10	7	1	1	0	0	1	9	0
	0830	111	1014.3	1001.3	+0.6	19.2	16.5	14.8	16.8	75	+ 4	5.7	+0.9	8.2	0	1	29	04	17	8	0	1	0	0	0	1	0
	1130	111	1012.8	1000.1	..	22.9	17.7	14.6	16.6	59	..	5.6	..	9.9	0	0	30	06	16	7	0	1	0	0	0	1	0
	1430	111	1009.8	997.1	..	24.2	18.1	14.3	16.3	54	..	5.2	..	7.0	0	0	29	07	8	4	3	2	1	1	3	2	0
	1730	111	1010.0	997.2	+0.7	21.7	17.6	15.0	17.0	66	- 1	5.2	+0.3	5.7	0	0	24	10	11	1	0	0	0	1	1	7	0
	2030	111	1010.9	999.0	..	18.6	16.3	14.8	16.8	81	..	5.5	..	5.0	0	0	18	02	13	1	0	0	0	1	1	13	0
	2330	111	1012.3	999.3	..	17.1	15.9	15.4	17.5	87	..	6.1	..	5.7	0	0	25	03	19	0	0	1	0	1	1	6	0
DIGBOI	0830	152	1014.6	996.9	+0.1	18.7	16.9	15.6	17.7	84	+ 6	5.1	+0.5	2.6	0	0	31	03	11	5	1	5	2	3	1	0	0
	1730	152	1010.1	992.6	-0.1	22.0	18.6	16.4	18.6	72	+12	3.7	-1.3	2.0	0	0	25	01	10	7	2	1	1	3	0	6	0
NORTH LAKHIMPUR	0830	102	1013.9	1002.2	+0.5	19.9	17.1	15.3	17.4	76	+ 2	5.0	+0.8	4.5	0	0	28	05	17	2	2	0	0	0	2	3	0
	1130	102	1013.0	1001.2	..	23.4	18.5	15.6	17.7	63	..	4.7	..	6.6	0	0	29	05	9	8	4	2	0	1	0	2	0
	1430	102	1009.9	998.2	..	24.1	18.2	14.6	16.6	55	..	4.3	..	6.0	0	0	29	06	13	3	4	1	1	1	0	2	0
	1730	102	1009.9	998.1	+0.6	21.1	18.1	16.4	18.6	74	+ 1	5.3	+0.6	3.6	0	0	26	10	10	4	1	0	0	0	1	5	0
	2030	102	1011.7	999.8	..	18.5	16.8	15.7	17.8	84	..	5.0	..	2.6	0	0	16	09	5	1	0	0	0	1	0	15	0
SIBSAGAR	0830	97	1014.3	1003.0	+0.9	19.8	17.3	15.7	17.8	77	- 1	5.0	+0.3	3.3	0	0	30	18	9	0	0	2	1	0	0	1	0
	1730	97	1009.5	998.5	+0.9	23.5	18.8	15.8	16.8	64	- 6	5.1	+0.5	2.6	0	0	25	20	3	1	0	1	0	0	0	6	0
GOHPUR	0830	83	1014.5	1004.9	..	20.4	17.6	15.7	17.8	75	- 2	5.0	..	3.7	0	0	31	00	22	3	5	0	0	0	0	0	1
	1730	83	1009.5	999.8	..	22.2	18.2	15.5	17.6	68	+ 1	5.8	..	2.7	0	0	24	00	23	0	0	0	1	0	0	7	0
MAJBAT	0830		..	..	-..1	20.4	17.2	15.0	17.0	71	..	.	..	4.[illegible]	0	0	16	00	6	8	0	0	0	0	2	8	0
	1730		..	..	-..	24.4	19.4	16.2	18.4	60	..	.	..	1.1	0	0	6	00	2	1	2	0	1	0	0	17	0
JORHAT AERODROME	0530	90	1011.7	1001.0	+6.0	16.2	15.7	15.3	17.4	96	..	4.8	+1.5	4.5	0	2	9	00	10	0	0	0	0	1	0	20	0
	0830	90	1013.5	1003.1	..	19.4	17.1	15.5	17.6	79	..	4.8	..	7.5	0	4	21	02	15	5	1	0	0	1	1	6	0
	1130	90	1012.9	1002.0	..	23.6	18.9	15.7	17.8	63	..	4.4	..	15.0	0	10	18	02	17	4	0	1	1	0	2	3	1
	1730	90	1009.0	998.8	..	22.4	18.6	16.2	18.4	69	..	4.8	..	9.3	0	3	24	06	18	0	0	1	1	0	1	4	0
	2330	90	1011.5	1001.4	..	18.0	17.0	16.3	18.5	90	..	4.8	..	6.6	0	1	19	01	15	1	1	1	0	0	0	11	1
TANGLA	0830	78	1012.3	1003.3	+0.0	21.2	18.1	16.2	18.4	73	+ 9	.	..	2.2	0	0	22	00	0	0	12	0	10	0	0	9	0
	1730	78	1007.8	998.8	-0.1	24.8	19.5	16.3	18.5	60	- 4	.	..	0.6	0	0	9	00	0	0	7	0	2	0	0	20	0
TEZPUR	0830	79	1014.1	1005.0	+0.9	20.6	17.1	14.9	16.9	69	+ 1	4.0	+1.3	7.4	0	3	26	00	24	2	1	0	1	0	1	2	0
	1730	79	1008.9	1000.0	+0.7	24.6	18.3	14.4	16.4	51	- 4	3.6	+0.7	4.6	0	0	25	00	18	0	0	0	6	0	1	6	0
GOLAGHAT	0830	95	1012.6	1001.6	-0.6	19.9	17.5	16.0	18.2	78	+ 3	4.1	+0.4	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	95	1007.9	997.4	-0.2	26.3	19.1	14.3	16.2	50	-10	3.1	-0.6	0.0	0	0	0	00	0	0	0	0	0	0	0	23	0
RANGIA	0830	60	1014.5	1007.6	..	21.2	18.1	16.1	18.3	74	+ 8	3.4	..	8.0	0	1	29	01	5	20	2	0	0	2	0	1	0
	1730	60	1010.3	1003.4	..	24.5	19.9	17.2	19.6	66	+10	3.3	..	3.0	0	1	15	00	3	6	0	2	1	3	1	15	0
CHAPARMUKH	0830	66	1014.0	1006.5	+0.8	20.9	18.1	16.6	18.9	75	+11	3.8	+1.6	5.0	0	0	30	02	1	8	16	1	2	0	0	1	0
	1730	66	1010.0	1002.5	+1.9	23.9	19.4	16.8	19.1	64	+ 7	4.0	+0.9	2.0	0	0	15	03	2	2	4	1	0	2	1	11	0
GOALPARA	0830	38	1012.9	1008.4	+0.9	19.5	18.3	17.5	20.0	87	+17	3.4	+1.0	1.7	0	0	23	01	14	0	6	0	1	0	1	8	0
	1730	38	1007.8	1003.6	+0.4	26.5	20.8	17.5	20.0	60	+11	4.0	+2.1	1.8	0	0	24	00	8	1	2	0	4	6	3	7	0
GAUHATI (BHORJOR)	0230	54	1010.3	1004.0	..	17.6	15.9	15.0	17.0	84	..	3.0	..	4.3	0	0	16	04	6	2	0	1	0	2	1	15	0
	0530	54	1011.0	1004.7	..	16.6	15.5	14.8	16.8	88	..	4.1	..	2.8	0	0	11	00	6	3	2	0	0	0	0	20	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NORTH ASSAM (INCLUDING NEFA) (CONTD.)																											
GAUHATI (BHORJUR) (CONTD.)	0830	54	1013.2	1006.9	+0.4	20.6	17.4	15.4	17.3	72	+ 6	4.0	+1.3	6.7	0	1	19	02	13	3	0	0	0	2	0	11	0
	1130	54	1011.8	1005.6	..	25.2	18.6	14.6	16.1	52	..	3.5	..	9.5	0	3	25	12	10	2	0	1	0	2	1	3	0
	1430	54	1008.3	1002.2	..	27.0	18.6	13.3	15.3	41	..	3.5	..	8.5	0	2	27	06	7	2	0	1	3	6	3	2	1
	1730	54	1008.3	1002.1	+0.2	24.7	18.3	14.3	16.3	53	+ 0	4.4	+0.9	4.0	0	0	18	03	6	1	0	2	0	3	3	13	0
	2030	54	1010.7	1004.5	..	20.5	17.7	16.1	18.3	75	..	3.8	..	3.7	0	0	15	00	4	4	0	2	5	0	0	16	0
	2330	54	1011.1	1004.8	..	19.1	16.7	15.0	17.2	78	..	3.6	..	6.5	0	0	21	00	10	3	0	5	2	0	1	10	0
DHUBRI (RUPSI)	0530	45	1010.8	1005.5	..	16.6	15.4	14.6	16.6	88	..	3.8	..	6.3	0	0	26	00	14	8	2	1	1	0	0	5	0
	0830	45	1012.4	1007.1	+0.3	22.1	17.9	15.2	17.3	65	+ 6	3.1	+0.9	10.1	0	1	30	00	7	16	1	1	3	2	1	0	0
	1130	45	1011.4	1006.3	..	26.7	19.2	14.8	16.8	48	..	2.9	..	14.4	0	4	27	00	5	11	5	3	3	4	0	0	0
	1730	45	1007.9	1002.8	+0.7	25.9	19.1	15.1	17.1	52	+ 4	3.0	+1.1	6.0	0	0	23	00	2	5	1	0	4	10	1	8	0
DHUBRI	0830	35	1013.1	1009.0	+0.7	21.2	18.2	16.2	18.4	74	+ 6	2.8	+0.6	14.5	0	5	25	02	16	7	1	0	4	0	0	1	0
	1730	35	1008.6	1004.7	+0.9	25.2	19.3	15.5	17.6	57	+11	3.1	+1.1	6.1	0	4	15	00	5	2	1	3	6	1	1	12	0
LUMDING	0830	149	1013.5	996.2	..	18.1	16.7	15.9	19.0	85	+18	3.7	..	1.8	0	0	16	00	0	14	0	2	0	0	0	15	0
	1730	149	1008.9	991.9	..	25.1	22.2	20.7	24.4	79	..	5.2	..	2.5	0	0	20	01	2	5	1	7	0	3	1	11	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA) (CONTD.)																											
TURA	0830	370	1012.7	970.6	-0.6	20.6	17.2	14.8	16.8	70	+ 3	3.8	+0.8	3.0	0	0	27	02	2	11	4	3	1	3	1	4	0
	1730	370	1008.6	967.2	-0.2	25.0	21.4	19.4	22.5	72	+14	4.2	+1.3	4.8	0	0	29	00	1	1	6	5	4	10	2	2	0
HAFLONG	0830	682	1015.9	938.9	+2.7	18.2	15.1	13.0	15.0	72	+12	4.2	+1.8	1.5	0	0	22	00	0	0	0	5	17	0	0	9	0
	1730	682	1008.9	933.0	+0.3	20.7	16.3	13.0	15.0	64	+12	4.1	+1.0	1.7	0	0	21	00	0	0	0	0	21	0	0	10	0
SILCHAR (KUMBHIRGRAM)	0530	97	1010.4	999.1	..	17.3	15.9	15.0	17.0	86	..	4.5	..	8.3	0	0	31	01	4	26	0	0	0	0	0	0	0
	0830	97	1012.3	1001.1	+0.2	20.8	17.6	15.4	17.5	72	+ 8	4.3	+1.8	10.8	0	2	29	02	1	27	0	0	1	0	0	0	0
	1130	97	1010.8	999.8	..	25.5	19.2	15.0	17.0	54	..	4.4	..	8.5	0	0	30	01	0	12	7	2	5	2	0	1	1
	1730	97	1007.7	996.8	+0.3	24.8	19.3	15.8	17.9	59	+ 8	4.0	+1.6	6.5	0	1	25	00	1	9	3	2	2	7	2	5	0
SILCHAR	0830	29	1014.3	1010.9	+1.0	21.7	18.9	17.2	19.6	75	+ 4	3.9	+1.3	0.9	0	0	14	00	2	5	4	1	1	0	1	17	0
	1730	29	1010.2	1006.8	+1.7	25.6	20.3	16.9	18.1	59	+ 5	4.0	+1.5	0.7	0	0	10	00	0	1	2	1	2	3	1	21	0
IMPHAL (TULIHAL)	0530	781	1014.1	925.1	..	12.7	11.7	11.0	13.1	89	..	4.6	..	2.0	0	0	6	00	1	2	1	1	0	0	1	25	0
	0830	781	1014.4	926.9	-0.3	17.9	14.5	12.1	14.1	70	+ 8	4.5	+1.8	3.2	0	0	11	02	0	2	1	3	3	0	0	20	0
	1130	781	1011.3	925.4	..	22.5	16.1	11.5	13.6	51	..	4.7	..	9.4	0	4	19	00	2	1	2	5	6	3	4	8	0
	1430	781	1007.8	922.7	..	24.1	15.9	9.9	12.2	41	..	4.4	..	13.0	0	4	24	00	0	1	1	0	4	12	10	3	0
	1730	781	1009.5	923.1	+1.5	20.6	15.0	10.8	12.9	57	+ 7	4.7	+1.6	11.0	0	1	28	01	2	2	1	2	5	5	11	2	0
	2030	781	1012.5	925.1	..	17.4	14.3	12.2	14.2	71	..	4.5	..	4.6	0	0	14	01	0	2	1	1	1	1	7	17	0
	2330	781	1013.2	925.2	..	15.6	13.4	11.7	13.7	78	..	4.7	..	5.2	0	0	17	02	2	1	2	0	3	3	4	14	0
KAILASHAHAR	0530	29	1011.9	1008.5	..	17.9	17.3	16.9	19.2	94	..	3.1	..	2.8	0	0	17	01	3	1	0	1	8	2	1	14	0
	0830	29	1013.8	1010.4	+0.5	22.6	19.7	18.1	20.8	76	+ 5	3.2	+0.5	4.3	0	0	28	00	1	4	1	3	16	0	1	3	2
	1130	29	1012.5	1009.2	..	27.5	21.3	18.1	20.8	57	..	3.3	..	5.2	0	0	31	03	2	3	1	3	8	2	6	0	3
	1730	29	1009.4	1006.1	+0.5	25.3	20.7	18.4	21.1	66	+13	4.0	+1.4	2.5	0	0	18	02	0	1	0	5	8	0	2	13	0
AGARTALA	0230	16	1009.3	1007.4	..	19.6	18.4	17.7	20.2	88	..	2.5	..	3.8	0	0	15	01	1	1	6	5	0	0	1	16	0
	0530	16	1010.2	1008.3	..	19.0	18.2	17.8	20.5	92	..	3.9	..	5.9	0	0	22	01	4	1	10	5	1	0	0	9	0
	0830	16	1012.1	1010.3	+0.4	24.4	20.6	18.6	21.4	70	+ 0	3.5	+0.4	9.3	0	2	25	02	0	5	5	9	2	4	0	4	0
	1130	16	1011.0	1009.2	..	28.9	21.3	17.4	19.9	49	..	3.9	..	11.1	0	2	28	02	3	0	3	9	3	7	3	1	0
	1430	16	1008.2	1006.4	..	30.0	21.1	16.3	18.5	43	..	3.9	..	10.0	0	2	26	03	3	0	0	6	5	8	3	3	0
	1730	16	1007.9	1006.1	+0.3	26.8	20.8	17.6	20.1	57	+ 8	3.8	+1.1	9.6	0	2	24	02	1	0	4	6	8	3	2	5	0
	2030	16	1010.3	1008.5	..	22.3	19.7	18.4	21.1	77	..	3.4	..	6.0	0	1	19	01	2	5	2	8	0	0	2	11	0
	2330	16	1010.2	1008.4	..	20.8	19.1	18.0	20.6	84	..	2.3	..	5.1	0	1	16	00	0	1	6	9	0	1	0	14	0
SUB-HIMALAYAN WEST BENGAL																											
BAGHDOGRA	0230	131	1010.1	994.7	..	15.9	14.6	13.6	15.6	86	..	2.9	..	4.1	0	0	14	03	7	1	0	1	2	0	0	17	0
	0530	131	1010.5	995.0	..	15.1	14.0	13.1	15.0	88	..	3.0	..	5.0	0	0	18	03	12	0	0	1	2	0	0	13	0
	0830	131	1012.5	997.3	+0.5	21.7	17.2	14.0	16.0	63	+ 5	2.7	+0.2	11.4	0	2	25	00	16	5	0	1	4	0	1	4	0
	1130	131	1011.4	996.5	..	25.8	18.7	13.8	15.8	50	..	3.5	..	14.3	0	0	29	01	3	11	6	3	3	1	0	2	1
	1430	131	1008.1	993.3	..	27.2	19.4	14.2	16.2	45	..	3.7	..	13.2	0	4	25	01	6	6	0	5	9	1	0	2	1
	1730	131	1007.7	992.8	+0.2	24.0	18.3	14.4	16.4	56	+ 8	3.6	+0.3	9.3	0	2	22	02	7	3	0	1	10	1	0	7	0
	2030	131	1010.1	994.8	..	19.0	16.4	14.5	16.5	76	..	2.6	..	5.4	0	1	15	03	7	1	0	0	3	2	0	15	0
	2330	131	1010.5	995.2	..	17.4	15.7	14.4	16.4	83	..	3.3	..	5.5	0	1	14	04	7	1	0	0	2	1	0	16	0
JALPAIGURI	0830	83	1012.3	1002.7	+0.3	19.2	16.7	14.9	16.9	77	+ 8	2.4	+0.5	3.9	0	0	29	07	9	7	2	1	0	1	2	2	0
	1730	83	1007.6	998.2	+0.4	25.7	18.7	13.9	15.9	50	+ 7	2.7	+0.8	4.7	0	0	26	06	1	4	3	2	7	3	0	5	0
COOCH BEHAR AERODROME	0830	43	1012.9	1008.0	+1.3	21.5	17.4	14.3	16.3	66	+ 1	2.8	+0.0	12.2	0	7	23	00	8	19	0	1	0	2	0	1	0
	1130	43	1011.8	1007.0	..	25.7	18.8	14.1	16.0	51	..	2.9	..	13.1	0	7	24	00	4	14	7	3	1	2	0	0	0
	1730	43	1008.4	1003.6	+0.8	24.7	18.6	14.4	16.4	55	+ 0	3.1	+0.7	3.5	0	0	13	00	5	2	0	1	2	3	0	18	0
BALURGHAT	0830	26	1011.7	1008.8	..	24.1	19.0	15.7	17.8	61	..	2.8	..	3.4	0	0	26	01	4	7	3	2	4	4	1	5	0
	1730	26	1008.6	1005.7	..	25.9	19.7	15.7	17.8	55	..	2.0	..	1.4	0	0	11	01	2	2	0	2	0	4	0	20	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gms. of mean standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SUB-HIMALAYAN WEST BENGAL (CONTD.)																											
MALDA	0830	31	1012.3	1008.7	+0.7	23.4	18.3	14.8	16.8	60	+ 7	2.6	+0.8	1.8	0	0	22	02	2	2	4	3	2	5	2	9	0
	1730	31	1007.7	1004.2	+0.3	28.0	19.3	13.3	15.3	43	+ 8	2.9	+1.4	1.9	0	0	19	01	3	3	0	1	1	2	8	12	0
GANGETIC WEST BENGAL																											
BERHAMPORE	0830	19	1011.3	1009.3	-0.1	23.9	19.2	16.2	18.4	64	+ 7	2.7	+0.5	2.4	0	0	22	00	0	7	1	7	3	3	1	9	0
	1730	19	1007.0	1004.9	+0.0	28.3	20.3	15.3	17.4	46	+12	2.1	+0.1	1.3	0	0	12	00	0	1	0	4	2	5	0	19	0
SURI	0830		..	..	..	24.7	18.6	14.5	16.5	54	+ 9	2.5	+0.5	4.2	0	0	31	10	1	6	1	5	1	6	1	0	0
ASANSOL	0230	126	1009.6	995.0	..	19.8	16.7	14.5	16.5	72	..	1.7	..	2.1	0	0	11	00	0	1	2	0	1	5	2	20	0
	0530	126	1010.3	995.7	..	18.6	16.2	14.5	16.5	77	..	3.2	..	1.7	0	0	14	01	1	1	0	2	0	6	3	17	0
	0830	126	1012.3	997.9	+0.4	24.8	18.7	13.6	15.6	54	+ 7	3.3	+1.3	6.4	0	1	29	04	3	1	4	6	0	4	8	1	0
	1130	126	1011.0	996.8	..	30.2	20.2	13.6	15.6	39	..	2.8	..	8.4	0	1	29	03	2	3	3	2	0	5	12	1	0
	1430	126	1007.9	993.9	..	31.9	20.8	13.5	15.5	34	..	3.0	..	8.7	0	2	28	03	5	1	1	4	1	6	9	1	0
	1730	126	1007.3	993.2	+0.4	29.1	19.9	13.7	15.7	41	+14	3.6	+1.6	6.9	0	1	26	03	2	4	2	2	3	4	7	4	0
	2030	126	1009.9	995.6	..	23.8	18.4	14.8	16.8	58	..	2.3	..	3.6	0	0	19	00	4	1	1	0	5	4	4	12	0
	2330	126	1010.4	995.9	..	21.6	17.7	15.0	17.0	67	..	2.2	..	3.8	0	0	19	01	0	4	3	1	2	6	2	12	0
SHANTI NIKETAN	0830	59	1012.3	1005.6	..	23.9	19.3	16.4	18.6	56	..	3.5	..	4.8	0	0	25	02	3	3	0	6	1	5	5	6	0
	1130	59	1011.5	1005.0	..	28.9	19.7	13.5	15.5	41	..	2.6	..	3.7	0	0	21	00	6	3	0	2	1	2	7	10	0
	1730	59	1007.9	1001.3	..	28.8	19.8	13.8	15.8	42	..	3.6	..	4.3	0	0	22	02	6	1	1	3	0	6	3	9	0
KRISHNANAGAR	0830	15	1012.1	1010.5	+0.4	25.1	20.6	18.0	20.6	65	+ 0	1.6	-0.7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	15	1009.5	1007.8	+1.9	29.2	21.2	16.3	18.5	48	+ 8	2.3	+0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
PURULIA	0830	255	1012.7	983.8	+0.2	23.4	18.1	14.4	16.4	59	+14	3.3	+1.5	5.4	0	0	29	01	3	0	4	6	4	3	8	2	0
	1730	255	1007.5	979.3	+0.2	29.5	20.3	14.5	16.5	42	+16	4.1	+1.6	6.3	0	1	29	01	6	1	5	2	2	6	7	1	0
BANKURA	0830	100	1011.8	1000.4	..	23.8	19.1	16.1	18.3	63	..	2.2	..	1.7	0	0	17	00	1	5	1	3	3	3	0	14	1
	1730	100	1007.5	996.3	..	30.7	20.4	14.5	16.5	40	..	2.3	..	0.9	0	0	8	00	0	1	0	4	0	1	0	22	2
BURDWAN	0830	32	1012.0	1008.4	+0.5	25.0	20.5	17.9	20.5	65	+ 1	0.2	-1.7	4.8	0	0	18	00	2	0	2	3	4	4	3	1	0
	1730	32	1007.6	1004.1	-0.3	29.6	22.7	19.0	22.0	55	+20	1.3	-0.4	2.6	0	0	14	02	2	1	0	6	0	2	1	4	0
CALCUTTA (DUM DUM)	0230	6	1009.3	1008.6	..	22.1	20.9	20.2	23.7	89	..	2.2	..	4.8	0	0	21	00	0	1	4	9	6	0	1	10	0
	0530	6	1009.8	1009.1	..	20.9	20.1	19.7	22.9	92	..	3.0	..	3.1	0	0	16	02	2	1	2	5	4	0	0	15	0
	0830	6	1012.0	1011.3	+0.1	25.1	21.4	19.3	22.4	71	+ 1	3.7	+1.2	6.0	0	0	29	03	0	1	4	5	5	4	7	2	0
	1130	6	1011.3	1010.6	..	29.3	22.5	18.8	21.7	54	..	3.6	..	7.9	0	0	31	03	1	0	6	4	6	6	5	0	0
	1430	6	1008.3	1007.6	..	30.3	22.7	18.5	21.3	51	..	4.0	..	7.9	0	0	30	00	0	0	5	3	7	9	6	1	0
	1730	6	1007.8	1007.1	+0.0	28.8	22.7	19.4	22.5	58	+11	3.4	+1.2	6.5	0	0	26	01	1	0	5	9	5	4	1	5	0
	2030	6	1009.9	1009.2	..	24.8	22.2	20.8	24.6	79	..	2.8	..	6.8	0	1	23	01	0	1	6	9	6	1	0	7	0
	2330	6	1010.2	1009.5	..	23.3	21.6	20.7	24.4	86	..	2.8	..	7.0	0	0	28	00	1	1	6	11	7	2	0	3	0
CALCUTTA	0830	6	1012.2	1011.5	+0.4	26.0	21.9	19.7	22.9	69	- 2	3.3	+1.0	7.1	0	1	28	03	1	2	2	3	8	7	3	2	0
	1130	6	1011.3	1010.6	..	29.8	22.1	17.7	20.2	50	..	3.3	..	7.8	0	0	30	03	2	4	0	1	9	9	2	1	0
	1730	6	1008.0	1007.3	+0.4	28.9	22.1	18.3	21.0	55	+ 9	3.4	+1.3	7.4	0	0	31	01	0	0	3	13	9	3	2	0	0
MIDNAPORE	0830	45	1012.5	1007.2	+0.7	24.4	20.3	17.9	20.5	69	+10	2.5	+0.6	2.2	0	0	19	01	4	1	0	4	6	0	1	12	2
	1730	45	1007.9	1002.8	+0.0	29.8	21.2	16.0	18.2	45	+12	3.1	+0.9	3.7	0	1	21	02	4	0	4	8	2	0	1	9	1
CONTAI	0830	11	1012.2	1011.0	+0.6	26.2	22.3	20.3	23.8	70	+ 2	2.3	+0.0	9.9	0	2	29	08	0	0	2	16	2	3	0	0	0
	1730	11	1008.4	1007.2	+0.3	26.7	23.2	21.5	25.6	73	+ 1	3.1	+0.5	12.2	0	5	26	01	0	0	2	25	3	0	0	0	0
SAGAR ISLAND	0830	3	1011.7	1011.4	+0.1	26.1	23.2	21.7	25.9	77	+ 5	3.7	+0.9	15.2	0	13	17	03	2	2	4	9	6	2	2	1	0
	1730	3	1008.2	1007.9	+0.2	26.6	23.7	22.3	26.9	78	+ 4	4.5	+1.7	19.8	0	15	16	00	0	1	12	14	4	0	0	0	0
SANDHEADS	0530	10	1009.4	1008.3	..	25.4	23.2	22.1	26.6	82	..	2.7	..	14.5	0	6	23	00	0	2	1	5	16	5	0	2	0
	0830	10	1012.1	1011.0	+0.1	26.7	23.7	22.2	26.7	77	+ 1	2.9	+0.7	13.7	0	8	22	00	0	0	1	5	19	4	1	1	0
	1130	10	1012.1	1011.0	..	27.6	23.9	22.1	26.6	72	..	2.6	..	14.2	0	7	22	00	0	0	1	5	16	6	1	2	0
	1730	10	1008.5	1007.4	-0.1	26.9	23.6	21.9	26.3	75	- 2	4.5	+2.6	13.9	0	5	23	00	0	0	1	10	16	1	0	3	0
	2330	10	1010.3	1009.2	..	26.1	23.6	22.3	26.9	80	..	1.3	..	16.7	0	10	21	00	0	0	1	7	22	1	0	0	0
ORISSA																											
BARIPADA	0830	54	1013.2	1007.0	-0.1	24.7	20.7	18.4	21.1	66	+ 9	2.7	+1.0	3.7	0	0	27	06	6	0	1	4	4	1	2	4	3
	1730	54	1008.8	1002.7	+0.0	28.5	21.7	17.8	20.4	55	+10	3.6	+1.5	3.9	0	0	26	00	0	2	11	8	1	1	1	5	2
JHARSUGUDA	0230	230	1009.5	993.2	..	20.6	17.0	14.5	16.5	69	..	3.0	..	4.2	0	1	13	02	3	2	1	1	2	0	3	17	0
	0530	230	1010.3	983.8	..	19.4	16.4	14.2	16.2	72	..	3.3	..	3.7	0	0	15	01	5	3	2	2	1	1	0	16	0
	0830	230	1012.2	986.0	-0.1	23.7	18.3	14.7	16.7	59	+13	3.4	+1.5	6.1	0	0	20	01	5	3	5	3	1	1	1	11	0
	1130	230	1011.2	985.6	..	29.3	20.4	14.7	16.7	44	..	2.8	..	8.1	0	1	27	00	4	4	0	4	9	3	4	3	0
	1430	230	1007.7	982.4	..	32.1	21.2	14.3	16.3	37	..	3.8	..	12.0	0	4	26	00	3	2	0	4	5	11	5	1	0
	1730	230	1006.8	981.3	-0.1	30.4	20.6	14.3	16.3	40	+14	3.8	+1.6	8.5	0	0	27	01	2	1	2	5	5	7	4	4	0
	2030	230	1009.4	983.5	..	25.8	19.5	15.6	17.7	55	..	3.5	..	5.6	0	0	24	00	2	1	4	8	5	1	3	7	0
	2330	230	1010.2	984.1	..	22.9	18.3	15.2	17.3	63	..	3.4	..	7.1	0	2	16	01	1	3	6	2	0	2	3	13	0
KEONJHARGARH	0830	463	1012.8	961.0	-0.4	23.0	18.5	15.9	18.0	67	+19	1.4	+0.0	1.0	0	0	15	01	0	2	0	5	0	4	3	16	0
	1730	463	1007.1	956.6	-0.4	29.4	19.2	12.9	14.9	38	+ 6	2.5	+0.2	1.8	0	0	27	00	2	2	1	2	7	7	6	4	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lst. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORRISA(CONTD)																											
BALASORE	0830	20	1012.4	1010.2	+0.7	24.8	21.5	19.7	22.5	74	+10	2.6	+0.2	10.4	0	2	26	05	5	1	0	5	11	1	2	1	0
	1730	20	1008.3	1006.1	+0.6	27.2	22.9	20.7	24.4	68	+ 6	4.0	+1.0	15.7	0	7	24	00	0	2	10	15	3	1	0	0	0
SAMBALPUR	0830	148	1012.3	995.4	+0.2	24.3	19.3	16.1	18.3	61	+ 7	2.3	+0.6	1.9	0	0	11	01	1	1	2	1	1	4	0	20	0
	1730	148	1010.0	993.1	+2.1	24.4	18.2	13.9	15.9	53	+24	2.7	+0.7	0.8	0	0	9	00	1	0	0	2	5	1	0	22	0
ANGUL	0830	139	1012.6	996.8	+0.4	24.1	21.1	19.4	22.5	77	+16	4.1	+2.0	2.3	0	0	20	03	2	3	0	1	1	10	0	11	0
	1730	139	1008.4	992.6	+1.0	30.8	24.1	20.7	24.4	54	+28	4.9	+2.4	3.9	0	0	29	05	1	5	3	2	4	8	1	2	0
CHANDBALI	0830	6	1012.7	1012.0	+0.5	25.5	22.1	20.3	23.8	74	- 1	3.7	+1.3	4.6	0	0	29	03	1	0	4	4	7	5	5	2	0
	1730	6	1008.7	1008.0	+0.5	28.0	22.9	20.3	23.8	64	+ 7	4.2	+2.1	10.6	0	3	27	00	1	2	16	6	4	1	0	1	0
BOLANGIR	0830	190	1012.3	990.6	+0.1	25.1	21.1	18.9	21.8	70	+17	3.1	+1.0	3.4	0	0	28	01	4	2	2	15	3	1	0	3	0
	1730	190	1007.2	986.1	-0.9	31.5	23.8	19.9	23.2	54	+19	3.5	+0.9	3.0	0	0	26	07	7	0	3	6	1	1	1	5	0
PHULBANI	0830	464	1009.2	957.2	..	22.1	18.0	15.3	17.4	67	..	2.1	..	0.5	0	0	6	00	1	1	1	1	0	1	1	25	0
	1730	464	1003.9	953.1	..	29.6	19.3	12.9	14.9	38	..	2.2	..	0.8	0	0	13	01	0	0	1	0	3	7	1	18	0
CUTTACK	0830	27	1013.0	1009.9	+0.8	25.1	22.2	20.7	24.4	76	+ 3	2.9	+0.4	5.1	0	0	22	01	1	3	2	2	4	8	1	9	0
	1730	27	1008.4	1005.4	+0.7	30.0	24.6	22.0	26.4	63	+22	3.0	+0.6	8.3	0	0	29	01	0	1	11	4	11	1	0	2	0
TITLAGARH	0830	211	1012.5	988.5	+0.3	24.8	19.7	16.5	18.8	62	+12	2.5	+1.1	1.5	0	0	23	00	3	0	12	0	8	0	0	8	0
	1730	211	1007.1	983.8	+0.4	31.3	23.1	18.7	20.2	49	+22	2.7	+0.8	1.5	0	0	23	00	5	0	6	1	7	0	4	8	0
BHUBANESWAR	0230	46	1009.8	1004.5	..	22.7	21.4	20.7	24.4	88	..	2.1	..	13.9	0	5	24	02	1	1	0	5	16	3	1	2	0
	0530	46	1010.2	1004.9	..	22.0	20.8	20.1	23.5	89	..	4.1	..	9.5	0	2	26	04	2	1	0	2	12	6	1	3	0
	0830	46	1012.6	1007.4	+0.6	25.7	22.2	20.3	23.4	73	+ 3	3.9	+1.6	11.2	0	3	27	01	3	0	3	1	14	4	4	1	0
	1130	46	1011.7	1006.6	..	30.3	22.6	18.3	21.0	51	..	4.3	..	15.4	0	6	24	00	2	1	0	4	16	5	2	1	0
	1430	46	1008.7	1003.6	..	31.9	22.3	16.7	19.0	42	..	4.0	..	18.4	0	10	21	01	0	0	2	10	13	3	2	0	0
	1730	46	1008.5	1003.4	+0.4	28.0	22.5	19.5	22.7	61	+13	4.8	+2.5	19.0	0	14	16	00	0	1	3	13	10	2	1	1	0
	2030	46	1010.7	1005.5	..	25.0	22.4	21.1	25.0	79	..	2.6	..	14.7	0	7	24	00	2	0	0	8	18	2	1	0	0
	2330	46	1010.9	1005.7	..	23.9	22.1	21.2	25.2	85	..	2.3	..	13.7	0	7	24	00	0	1	2	5	17	4	2	0	0
PURI	0830	6	1012.2	1011.5	+0.0	26.7	23.3	21.6	25.8	74	- 2	3.5	+0.9	10.3	0	3	28	05	1	0	1	9	14	1	0	0	0
	1730	6	1008.6	1007.8	+0.0	27.1	24.1	22.7	27.6	77	- 2	4.3	+1.6	17.2	0	13	18	00	0	0	3	19	8	1	0	0	0
GOPALPUR	0530	17	1010.1	1008.1	..	22.9	21.2	20.3	20.7	86	..	3.2	..	9.2	0	4	23	07	0	0	0	0	11	3	6	4	0
	0830	17	1012.5	1010.5	+0.4	25.3	22.3	20.7	24.4	76	+ 3	3.2	+1.6	8.8	0	3	23	07	2	0	0	1	11	2	3	5	0
	1130	17	1012.4	1010.5	..	28.7	23.9	21.6	25.8	66	..	2.7	..	16.0	0	9	22	02	0	1	2	12	13	0	1	0	0
	1730	17	1008.7	1006.8	+0.3	26.9	24.0	22.7	27.6	78	- 1	4.5	+1.9	23.1	0	18	13	01	0	0	0	13	15	1	1	0	0
	2330	17	1010.9	1009.0	..	25.2	23.1	22.1	26.5	83	..	2.5	..	19.8	0	12	19	00	1	1	0	4	21	3	1	0	0
KORAPUT	0830	913	1518.7	912.4	+0.0	19.5	16.6	14.7	16.7	74	+13	5.9	+4.6	4.4	0	0	29	01	0	0	4	20	3	0	1	0	0
	1730	913	1496.2	908.4	-1.0	27.4	17.0	9.4	11.8	37	- 2	4.4	+1.9	6.8	0	0	24	00	0	0	2	21	1	0	0	0	0
BIHAR PLATEAU																											
DUMKA	0830	149	1012.3	995.3	+0.7	23.4	17.9	14.1	16.1	57	+10	2.3	+0.9	3.5	0	0	20	01	1	4	7	0	1	5	1	11	0
	1730	149	1008.6	991.8	+1.5	27.9	19.2	13.2	15.2	43	+12	2.4	+0.8	2.2	0	0	11	01	2	2	0	0	3	3	0	20	0
DALTONGANJ	0830	221	1012.3	987.2	+0.1	22.9	16.2	10.9	13.0	48	- 5	2.7	+0.9	3.1	0	0	27	01	6	0	8	0	7	0	5	4	0
	1730	221	1007.6	983.0	+0.3	28.6	17.9	9.5	11.9	32	+ 5	3.1	+0.8	5.0	0	0	28	00	9	0	0	0	3	0	16	3	0
HAZARIBAGH	0830	611	1011.8	943.6	+0.0	21.6	15.0	10.0	12.3	50	+13	2.3	+0.4	7.0	0	1	24	01	2	0	1	5	5	1	10	6	0
	1730	611	1007.2	940.2	-0.1	25.7	16.0	8.5	11.0	37	+10	4.0	+1.8	11.9	0	3	27	11	0	2	0	0	2	2	13	1	0
DHANBAD	0830	257	1011.7	982.5	-0.2	23.6	18.2	14.5	16.5	58	+19	2.1	+0.8	2.7	0	0	21	02	0	0	6	2	0	10	1	10	0
	1730	257	1006.7	978.2	..	29.2	20.0	13.9	15.9	41	..	2.5	..	2.2	0	0	15	00	1	0	3	0	1	5	4	16	1
RANCHI	0830	655	1014.8	941.2	+2.4	19.3	16.0	13.8	15.8	66	+25	2.3	+0.8	2.0	0	0	29	01	3	0	1	3	10	2	9	2	0
	1730	655	1013.3	940.2	+4.9	20.6	15.8	12.5	14.5	62	+31	2.7	+0.7	1.9	0	0	29	02	3	0	2	0	6	4	12	2	0
RANCHI AERODROME	0530	652	1010.1	936.8	..	17.8	13.6	10.3	12.5	64	..	2.6	..	8.6	0	3	15	03	0	0	0	0	5	3	7	13	0
	0830	652	1011.4	938.9	-0.9	21.5	15.5	11.1	13.2	54	+12	2.4	+0.5	14.1	0	8	18	04	2	0	1	4	4	3	8	5	0
	1130	652	1009.9	938.6	..	26.3	16.7	9.7	12.0	38	..	2.2	..	17.8	0	11	17	01	1	1	2	2	4	9	8	3	0
	1430	652	1006.5	935.7	..	27.8	17.1	9.3	11.7	34	..	3.7	..	22.8	0	17	14	03	0	1	0	4	2	8	13	0	0
	1730	652	1006.3	935.3	-1.0	26.7	16.7	9.3	11.7	37	+ 5	3.6	+0.8	13.8	0	6	22	03	0	1	1	2	3	4	14	3	0
	2030	652	1009.4	937.2	..	22.3	15.3	10.0	12.3	50	..	2.8	..	10.0	0	2	22	04	2	3	2	1	0	6	6	7	0
JAMSHEDPUR	0830	129	1011.6	996.9	-0.4	23.7	18.4	14.9	16.9	58	+ 7	2.5	+0.9	1.6	0	0	18	01	0	2	1	1	2	7	4	13	0
	1730	129	1007.1	992.7	+0.2	30.1	19.8	12.7	14.7	37	+10	3.3	+1.0	5.9	0	3	21	04	1	7	3	1	0	4	4	7	0
JAMSHEDPUR P.B.O.	0530	142	1010.1	993.7	..	20.2	17.4	15.5	17.6	75	..	3.2	..	3.4	0	0	19	00	1	2	0	2	2	5	7	12	0
	0830	142	1012.3	996.1	+0.3	24.0	19.1	15.9	18.0	61	+13	3.0	+1.4	4.8	0	0	26	01	1	2	4	0	4	6	8	5	0
	1130	142	1010.9	995.0	..	29.2	20.9	15.8	17.9	45	..	2.6	..	6.6	0	0	29	03	3	0	2	5	4	5	7	2	0
	1430	142	1007.3	991.6	..	31.9	21.8	15.7	17.8	39	..	2.9	..	7.5	0	0	28	02	0	2	0	4	4	6	10	3	0
	1730	142	1006.9	991.1	+0.2	29.8	21.2	16.0	18.2	45	+21	4.1	+1.7	6.5	0	0	28	05	2	6	3	0	1	3	8	3	0
	2030	142	1009.5	993.5	..	25.7	19.8	16.0	18.2	57	..	2.7	..	6.0	0	0	25	03	3	7	1	0	4	2	5	6	0
	2330	142	1010.4	994.2	..	23.3	19.1	16.5	18.8	66	..	2.3	..	5.1	0	1	20	00	4	6	1	1	1	1	7	10	0
CHAIBASA	0830	226	1012.5	986.5	+0.2	23.5	17.9	14.0	16.0	56	- 2	3.0	+0.7	1.7	0	0	19	03	1	0	3	1	9	1	1	12	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BIHAR PLATEAU (CONTD.)																											
CHAIBASA..(CONTD.)	1730	226	1006.9	981.8	+0.1	29.7	19.0	11.2	13.3	35	+ 1	4.7	+1.9	2.5	0	0	24	03	4	0	1	0	7	1	7	7	1
BIHAR PLAINS																											
MOTIHARI	0830	66	1012.1	1004.3	+0.9	20.1	16.1	13.1	15.1	64	+ 7	2.2	+0.9	5.8	0	0	30	00	7	8	3	0	1	5	6	1	0
	1730	66	1007.7	1000.2	+0.8	27.0	21.3	18.1	20.8	58	+18	2.4	+1.3	5.7	0	0	26	03	6	0	2	0	3	5	7	4	0
FORBESGANJ	0830	61	1012.1	1005.1	+0.6	21.0	17.3	14.7	16.7	68	+ 7	2.4	+0.6	3.5	0	0	30	00	5	15	3	0	0	6	1	1	0
	1730	61	1007.6	1000.7	+0.7	26.2	19.5	15.2	17.3	52	+15	2.8	+0.9	2.3	0	0	21	00	1	2	2	0	1	14	1	10	0
DARBHANGA	0830	49	1012.4	1006.9	+1.2	22.9	18.2	15.1	17.1	61	+ 5	1.6	+0.1	2.8	0	0	19	00	4	6	1	0	3	4	1	12	0
	1730	49	1008.1	1002.6	+1.1	27.7	19.7	14.4	16.4	46	+ 9	2.1	+0.8	0.7	0	0	6	00	0	0	2	0	0	3	1	25	0
MUZAFFARPUR	0830		..	..	..	21.6	17.0	13.5	15.5	60	..	2.4	..	3.9	0	0	25	01	4	6	2	1	3	6	2	6	0
	1730		..	..	..	26.7	16.5	12.7	14.7	43	..	2.2	..	2.8	0	0	22	01	1	3	1	1	3	8	4	9	0
CHAPRA	0830	58	1011.7	1005.1	..	21.6	16.3	12.3	14.3	56	..	2.3	..	3.0	0	0	30	00	8	0	9	1	12	0	0	1	0
	1730	58	1008.4	1001.9	..	27.9	18.6	11.8	13.8	40	..	3.0	..	3.2	0	0	28	00	9	0	4	3	9	0	3	3	0
PURNEA	0830	38	1012.4	1008.0	+0.8	21.1	18.6	17.1	19.5	77	+21	2.2	+0.2	2.0	0	0	25	02	1	14	0	1	3	4	0	6	0
	1730	38	1007.9	1003.6	+0.8	26.6	22.1	19.7	22.9	66	+29	2.7	+1.5	1.5	0	0	17	02	1	2	0	0	3	9	0	14	0
PATNA	0830	53	1012.0	1005.9	+0.6	21.4	16.3	12.4	14.4	58	+13	2.6	+0.9	8.8	0	2	28	01	5	3	6	2	5	8	0	1	0
	1730	53	1007.8	1001.8	+0.6	28.0	18.5	11.3	13.4	39	+12	3.0	+1.0	8.6	0	2	27	01	6	1	1	0	7	10	3	2	0
PATNA AERODROME	0530	60	1009.3	1002.4	..	17.6	14.6	12.2	14.2	70	..	2.8	..	5.5	0	0	19	00	3	5	1	1	4	5	0	12	0
	0830	60	1011.6	1004.7	+1.7	22.0	16.4	12.1	14.1	54	-86	2.7	+0.4	9.9	0	3	26	00	3	7	3	1	5	7	2	2	1
	1130	**60**	**1011.2**	**1004.4**	..	**27.7**	**18.1**	**10.9**	**13.0**	**38**	..	**3.2**	..	**12.4**	**0**	**6**	**23**	**01**	**1**	**8**	**1**	**1**	**0**	**10**	**5**	**2**	**2**
	1430	60	1008.1	1001.4	..	29.6	18.3	9.5	11.9	33	..	3.5	..	13.7	0	8	22	00	3	5	0	0	4	12	6	1	0
	1730	60	1007.3	1005.0	-7.1	28.0	18.1	10.5	12.7	37	+31	3.4	+3.3	9.4	0	2	27	00	4	3	1	1	3	12	5	2	0
	2030	60	1009.2	1002.3	..	23.1	17.3	13.1	15.1	55	..	2.8	..	4.6	0	0	13	00	1	3	3	1	0	4	1	18	0
	2330	60	1009.8	1002.9	..	21.0	16.2	12.6	14.6	60	..	2.4	..	7.5	1	1	17	00	3	4	1	1	1	8	1	12	0
BHAGALPUR	0530	49	1009.7	1004.1	..	19.0	15.5	12.8	14.8	68	..	3.1	..	3.8	0	0	25	00	1	7	5	5	5	1	0	6	1
	0830	49	1012.0	1006.4	+0.3	23.1	17.4	13.3	15.3	56	+ 3	3.0	+1.3	5.2	0	1	29	00	1	11	3	6	3	5	1	1	0
	1130	49	1011.5	1006.0	..	28.0	19.0	12.7	14.7	42	..	3.4	..	7.0	0	2	27	00	2	7	5	2	5	5	4	2	1
	1730	49	1007.6	1002.1	+0.3	27.3	18.7	12.6	14.6	43	+ 4	3.6	+1.9	6.0	0	1	30	01	2	6	1	0	2	13	6	0	0
	2330	49	1010.1	1004.5	..	22.1	17.1	13.5	15.5	60	..	2.5	..	5.3	0	2	29	00	2	7	6	7	4	4	1	0	0
SABAUR	0830	37	1012.2	1007.9	+0.8	22.3	18.2	15.5	17.6	67	+12	2.5	+0.7	6.1	0	1	29	03	2	4	2	3	2	12	2	1	0
	1730	37	1007.6	1003.4	+0.7	27.6	21.3	17.7	20.7	55	+18	2.8	+1.2	6.0	0	2	21	03	1	2	0	0	0	6	11	8	0
JAMUI	0830	82	1010.5	1000.7	-1.5	12.1	11.1	10.2	12.4	80	+29	0.2	-1.7	4.0	0	0	24	00	0	24	0	0	0	0	0	0	0
	1730	82	1007.8	998.6	-0.1	14.4	10.8	7.1	10.1	62	+26	0.0	-2.0	4.0	0	0	23	00	1	22	0	0	0	0	0	0	0
DEHRI	0830	107	1011.8	999.5	+0.4	22.9	16.8	12.2	14.2	51	+ 6	2.5	+0.6	3.0	0	0	30	00	3	2	7	1	7	10	0	1	0
	1730	107	1007.2	995.2	+0.4	28.8	18.4	10.5	12.7	35	+ 9	2.8	+1.0	5.2	0	0	31	00	7	1	1	0	2	19	1	0	0
GAYA	0230	116	1010.1	996.6	..	19.1	14.7	11.1	13.2	60	..	2.2	..	4.1	0	0	21	02	1	3	6	3	2	4	0	10	0
	0530	116	1010.3	996.8	..	17.8	13.9	10.5	12.7	63	..	2.2	..	4.5	0	0	19	01	1	2	6	4	2	3	0	12	0
	0830	116	1012.3	999.0	+0.5	23.0	16.4	11.2	13.3	49	+ 9	2.2	+0.6	7.2	0	2	24	01	2	4	4	3	6	5	1	5	0
	1130	116	1012.0	998.9	..	28.7	18.2	10.1	12.3	34	..	2.6	..	10.5	0	5	22	03	2	3	1	1	2	10	5	4	0
	1430	116	1008.7	995.8	..	30.5	18.3	8.5	11.1	28	..	3.4	..	15.9	0	9	22	03	6	1	0	1	4	7	9	0	0
	1730	116	1008.1	995.1	+0.8	28.8	17.9	9.3	11.7	33	+13	3.2	+1.5	14.6	0	7	21	03	4	1	0	0	1	8	11	3	0
	2030	116	1009.8	996.6	..	24.0	16.9	11.5	13.6	48	..	2.4	..	6.8	0	1	25	04	6	2	1	3	3	5	2	5	0
	2330	116	1010.8	997.3	..	21.1	15.7	11.4	13.5	56	..	2.2	..	5.7	0	2	20	03	0	5	2	2	6	4	0	9	0
UTTAR PRADESH EAST																											
KHERI	0830	147	(R)																								
	1730	147	(R)																								
BAHRAICH	0830	124	(R)																								
	1730	124	(R)																								
NAUTANWA	0830	99	1011.0	999.5	-0.7	19.6	15.5	12.0	14.0	63	- 2	2.0	+0.8	..	0	0	26	02	3	9	4	1	2	2	3	5	0
	1730	99	1007.0	995.8	-1.1	27.0	19.0	12.2	14.2	46	+10	2.6	+1.4	..	0	0	24	01	2	1	2	0	12	1	5	7	0
HARDOI	0830	142	1012.6	996.2	+1.1	20.4	15.5	11.2	13.3	59	- 1	1.9	+0.2	4.1	0	0	28	02	0	10	0	0	1	15	0	3	0
	1730	142	1009.5	993.4	+1.8	27.0	18.7	12.3	14.3	44	+13	1.7	-0.2	3.4	0	0	27	02	0	9	0	1	0	14	1	4	0
GONDA	0830	110	1012.3	999.6	+0.7	22.0	15.7	10.0	12.3	49	- 3	2.9	+1.3	3.5	0	0	26	01	0	13	0	0	0	2	10	5	0
	1730	110	1008.0	995.6	+0.2	27.3	17.6	9.5	11.9	37	+ 6	3.4	+1.7	3.4	0	0	25	00	0	2	0	0	0	7	16	6	0
LUCKNOW	0830	111	1010.9	998.1	-0.6	20.2	15.5	11.4	13.5	59	+ 8	3.0	+1.4	1.6	0	0	15	00	0	1	0	0	0	0	14	16	0
	1730	111	1008.3	995.9	+0.6	28.4	19.0	11.7	13.7	40	+12	3.3	+1.7	1.8	0	0	18	01	0	4	0	1	0	12	0	13	0
LUCKNOW (AMAUSI)	0230	128	1009.5	994.6	..	16.8	13.1	9.6	11.9	64	..	2.8	..	7.2	0	0	28	05	2	7	0	1	3	5	5	3	0
	0530	128	1009.7	994.7	..	15.3	12.0	9.4	11.8	69	..	2.7	..	6.6	0	1	25	03	2	2	5	0	2	8	4	5	0
	0830	128	1011.6	997.1	+0.5	20.1	14.7	9.8	12.1	53	+ 1	3.3	+1.6	10.3	0	4	25	04	2	4	3	1	2	4	9	2	0
	1130	128	1011.8	997.3	..	26.6	16.7	7.5	10.4	34	..	3.3	..	15.2	0	8	21	01	3	2	4	0	2	7	10	2	0
	1430	128	1008.7	994.4	..	29.1	17.1	5.7	9.1	27	..	3.7	..	16.6	0	11	20	01	3	4	2	2	1	7	11	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
															Wind Speed (Km. p. h.)			Wind direction									
			As mean sea level or in brs. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																											
LUCKNOW (AMAUSI). (CONTD.)	1730	128	1007.8	993.5	+0.3	27.6	17.0	7.1	10.1	31	+ 2	3.3	+1.3	12.1	0	6	24	05	3	3	0	0	0	8	11	1	0
	2030	128	1009.7	995.0	..	21.2	15.3	9.4	12.2	51	..	2.3	..	7.5	0	1	28	02	5	2	1	1	3	10	5	2	0
	2330	128	1010.1	995.3	..	18.7	14.0	9.4	11.8	58	..	2.3	..	8.8	0	1	28	02	3	2	3	2	1	8	8	2	0
FAIZABAD	0830	102	1011.7	999.9	+0.0	20.7	15.4	10.9	13.0	55	+ 1	3.0	+1.1	3.7	0	0	22	00	2	3	5	1	1	6	4	9	0
	1730	102	1007.8	996.3	-0.1	27.3	17.7	9.7	12.0	36	+ 0	3.5	+1.3	5.0	0	0	22	00	1	3	3	0	0	13	2	9	0
GORAKHPUR	0830	77	1011.9	1003.0	+0.9	22.5	16.4	10.9	13.0	50	- 1	2.9	+1.4	2.5	0	0	28	01	0	9	2	3	0	12	1	3	0
	1730	77	1007.9	999.3	+1.0	28.1	17.7	8.9	11.4	32	+ 2	3.2	+1.7	2.4	0	0	23	00	1	4	0	1	1	15	1	8	0
GORKHPUR P.B.O.	0230	78	..	..	..	..	..	..	..	..	..	1.7	..	2.3	0	0	14	00	1	2	1	0	0	7	3	17	0
	0530	78	..	..	..	..	..	..	..	..	..	2.3	..	4.6	0	0	23	03	3	1	2	1	4	6	3	8	0
	1130	78	..	..	..	..	..	..	..	..	..	3.4	..	8.7	0	1	30	01	1	2	6	3	6	8	4	0	0
	1430	78	..	..	..	..	..	..	..	..	..	3.3	..	9.4	0	2	29	01	0	1	4	6	5	8	6	0	0
	2030	78	..	..	..	..	..	..	..	..	..	2.4	..	4.7	0	0	25	03	4	0	1	3	4	6	4	6	0
	2330	78	..	..	..	..	..	..	..	..	..	2.0	..	3.9	0	0	18	02	2	1	0	2	2	6	3	13	0
KANPUR	0830	126	1011.8	997.1	-0.2	19.0	14.7	10.9	13.0	62	+15	2.9	+1.6	5.7	0	0	26	04	1	7	1	1	10	0	2	5	0
	1730	126	1008.0	993.7	-0.2	28.9	19.2	11.9	13.9	37	+ 8	3.5	+1.9	8.0	0	1	29	05	1	6	1	0	0	14	3	1	0
KANPUR (AERODROME)	0530	126	1010.3	995.4	..	16.8	13.0	9.3	11.7	64	..	1.9	..	4.1	0	0	14	01	0	2	1	0	1	3	6	17	0
	0830	126	1012.0	997.5	..	20.6	14.7	9.6	11.9	51	..	3.2	..	9.4	0	1	30	04	2	5	1	3	2	10	2	0	1
	1130	126	1011.9	997.7	..	27.2	16.9	6.7	9.8	32	..	3.3	..	13.2	0	5	26	05	1	2	6	3	0	6	8	0	0
	1730	126	1008.1	993.9	..	28.5	16.9	5.4	9.0	27	..	3.2	..	10.7	0	2	26	02	2	5	2	0	0	10	7	3	0
	2330	126	1010.3	995.8	..	20.5	14.8	9.4	11.8	53	..	2.3	..	5.5	0	0	18	02	0	1	5	0	0	5	5	13	0
SULTANPUR	0830	97	1012.5	1001.3	-0.2	21.0	15.6	10.9	13.0	54	+ 6	3.3	+1.8	3.6	0	0	25	00	0	3	4	0	4	9	5	6	0
	1730	97	1008.0	997.1	-0.7	28.9	18.9	10.8	12.9	26	- 1	3.3	+1.4	3.7	0	0	27	00	0	2	3	1	4	11	6	4	0
AZAMGARH	0830	78	1012.3	1003.2	+1.3	21.9	18.0	14.8	16.8	68	+11	2.7	+1.4	5.6	0	0	28	02	2	10	1	0	1	9	3	3	0
	1730	78	1008.0	999.0	+0.7	28.3	21.7	17.7	20.2	54	+15	3.2	+2.3	5.2	0	1	24	00	3	2	0	0	0	20	0	6	0
FATEHPUR	0830	114	1012.1	999.0	+0.3	21.7	15.7	10.6	12.8	51	+ 4	2.2	+0.8	5.1	0	0	25	01	5	3	4	1	2	4	5	6	0
	1730	114	1008.0	995.1	+0.2	28.9	18.4	10.0	12.3	34	+ 8	2.8	+1.1	8.3	0	1	27	03	4	2	1	0	1	5	12	3	0
BALLIA	0830	64	1013.4	1006.0	+1.3	21.9	17.0	13.6	15.6	60	+ 6	3.0	+1.1	2.1	0	0	20	00	2	4	2	0	3	8	1	11	0
	1730	64	1008.9	1001.7	+0.0	29.2	19.8	12.3	14.3	41	+11	3.6	+1.9	1.8	0	0	16	00	4	2	0	0	0	9	1	15	0
BANDA	0830	121	1012.7	998.7	+0.5	22.5	16.2	10.7	12.9	50	+ 2	2.2	+1.0	1.8	0	0	21	00	3	1	2	1	6	0	8	10	0
	1730	121	1007.8	994.2	+0.0	29.5	21.8	16.9	19.3	50	+19	2.9	+1.4	2.0	0	0	24	00	4	0	1	0	8	0	11	7	0
ALLAHABAD (BAMHRAULI)	0230	98	1009.6	998.2	..	18.3	15.4	13.5	15.5	72	..	1.9	..	1.4	0	0	13	01	2	1	1	2	3	2	1	18	0
	0530	98	1010.1	998.6	..	16.9	14.6	12.6	14.6	77	..	2.4	..	0.7	0	0	9	00	2	0	0	0	3	2	2	22	0
	0830	98	1012.2	1000.9	+0.4	21.4	17.0	13.6	15.6	62	+18	2.8	+1.1	3.8	0	0	21	02	0	3	0	5	4	6	1	10	0
	1130	98	1012.2	1000.9	..	28.6	20.4	14.8	16.8	46	..	3.1	..	6.4	0	1	26	00	1	5	1	4	4	9	3	4	0
	1430	98	1008.9	998.0	..	30.6	21.3	15.2	17.3	44	..	3.4	..	10.0	0	3	28	02	2	3	0	2	2	11	9	0	0
	1730	98	1008.0	997.1	+0.4	29.0	20.8	15.3	17.4	47	+24	2.9	+1.0	4.3	0	0	27	04	5	0	0	1	0	8	9	4	0
	2030	98	1010.0	998.7	..	23.4	18.3	14.6	16.6	59	..	1.8	..	2.3	0	0	16	03	2	1	3	2	1	4	0	15	0
	2330	98	1010.5	999.1	..	20.6	16.5	13.3	15.3	65	..	1.8	..	1.7	0	0	14	01	0	2	2	3	2	3	1	17	0
VARANASI (BABATPUR)	0530	85	1010.0	1000.0	..	16.7	14.0	11.6	13.7	72	..	2.7	..	6.0	0	0	22	01	2	6	2	1	5	5	0	9	0
	0830	85	1012.2	1002.2	-0.1	21.9	16.7	12.5	14.5	58	+14	2.9	+1.0	7.7	0	0	27	00	2	5	3	1	6	7	0	4	3
	1130	85	1011.8	1002.1	..	28.1	18.8	11.7	13.7	39	..	3.0	..	11.3	0	4	25	00	0	4	2	2	2	10	4	2	5
	1730	85	1008.0	998.3	+0.0	28.1	19.0	12.3	14.3	41	+15	2.8	+0.8	11.4	0	3	26	02	2	2	0	2	2	14	4	2	1
	2330	85	1010.6	1000.5	..	20.0	15.9	12.5	14.5	64	..	2.2	..	6.6	0	1	22	00	1	6	1	0	2	11	0	8	2
VARANASI	0830	76	1012.0	1003.1	+0.3	21.2	16.3	12.2	14.2	58	+11	2.6	+1.0	2.3	0	0	19	00	2	0	3	0	4	9	1	12	0
	1730	76	1008.0	999.5	+0.5	29.4	18.5	9.7	12.0	34	+10	3.1	+1.5	3.9	0	0	26	00	0	1	0	0	1	18	6	5	0
UTTAR PRADESH WEST																											
MUKHIM	0830		..	..	..	10.8	6.7	2.1	7.1	57	+ 6	4.2	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	11.1	6.9	2.3	7.2	58	+11	5.1	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TEHRI	0830	770	..	..	..	13.1	10.8	8.6	11.2	75	+ 2	3.9	+1.4	0.9	0	0	9	02	1	0	1	0	3	0	2	22	0
	1130	770	..	..	..	20.0	13.0	6.5	9.7	43	..	3.6	..	4.4	0	0	22	02	9	2	0	2	1	4	2	9	0
	1730	770	..	..	..	21.8	13.9	6.1	9.4	40	+ 6	4.4	+1.3	6.4	0	2	23	03	3	1	4	6	6	2	0	6	0
DEHRA DUN	0530	682	1010.3	933.0	..	13.4	10.7	8.3	10.9	69	..	2.9	..	0.7	0	0	8	01	1	0	2	2	0	1	1	23	0
	0830	682	1012.1	934.7	-0.2	16.1	12.3	9.2	11.3	65	+ 7	3.8	+0.8	0.8	0	0	11	04	0	0	1	1	0	4	1	20	0
	1130	682	1011.2	935.3	..	22.1	15.2	9.7	12.0	47	..	3.8	..	2.9	0	0	25	00	0	0	8	5	9	3	0	6	0
	1730	682	1008.3	932.5	-0.4	22.4	15.2	9.5	11.9	46	+ 8	4.1	+1.0	2.3	0	0	23	01	2	1	1	6	6	4	2	8	0
	2330	682	1011.6	934.3	..	15.6	12.3	9.3	11.7	67	..	2.8	..	1.0	0	0	10	04	3	0	0	1	2	0	0	21	0
MANSIARI	0830		..	..	..	8.6	3.7	- 3.7	4.7	43	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	8.5	4.5	- 0.4	5.9	54	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ROORKEE	0830	274	1012.3	980.5	+0.5	17.3	13.3	9.7	12.0	62	+ 0	2.4	-0.2	1.2	0	0	16	00	0	0	9	0	0	0	7	15	0
	1730	274	1009.0	978.1	+0.6	24.9	16.4	8.5	11.1	38	+ 6	2.7	-0.2	1.7	0	0	25	00	1	0	7	0	0	0	17	6	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MARCH 1967.(PHALGUNA 10,1888 SAKA - CHAITRA 10,1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	Wind speed (Km. p. h.) 62 or more	Wind speed 20 to 61	Wind speed 1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST(CONTD.)																											
NAJIBABAD	0830	270	1012.4	981.1	+0.4	16.0	13.0	10.1	12.3	69	+ 4	3.6	+1.9	3.5	0	0	21	01	3	6	1	0	0	9	1	10	0
	1730	270	1009.2	988.8	+1.0	24.9	15.9	7.7	10.5	37	+ 4	4.0	+2.2	4.3	0	0	28	(0	0	7	2	1	1	15	1	3	1
MEERUT	0830	222	1012.4	986.6	+0.1	18.2	14.1	10.0	12.3	61	+ 5	0.7	-0.4	2.8	0	0	17	00	1	12	0	0	0	3	1	14	0
BAREILLY	0830	173	1012.0	991.9	+0.3	19.0	15.1	11.9	13.9	64	+ 9	3.2	+1.1	8.6	0	1	29	(0	2	7	2	0	2	12	5	1	0
	1730	173	1008.0	987.5	-0.9	26.6	17.9	11.1	13.2	41	+12	3.6	+1.1	5.5	0	0	29	01	2	3	2	0	6	15	0	2	0
BAREILLY P.B.O.	0230	172	..	..	..	..	..	..	..	..	..	2.1	..	5.9	0	0	26	(1	0	9	1	0	0	3	12	5	0
	0530	172	..	..	..	..	..	..	..	..	..	2.5	..	7.2	0	1	26	02	1	5	4	0	0	6	9	4	0
	1130	172	..	..	..	..	..	..	..	..	..	3.6	..	11.2	0	4	26	(1	1	3	7	0	1	8	9	1	0
	1430	172	..	..	..	..	..	..	..	..	..	3.8	..	12.1	0	4	27	01	2	2	6	1	1	7	11	0	0
	2030	172	..	..	..	..	..	..	..	..	..	1.3	..	4.7	0	1	23	(3	3	3	2	0	0	7	6	7	0
	2330	172	..	..	..	..	..	..	..	..	..	2.1	..	5.8	0	0	25	00	2	5	3	0	0	8	7	6	0
ALIGARH	0830	187	1012.8	991.0	+0.7	17.6	13.6	9.8	12.1	62	+10	3.6	+1.8	4.6	0	0	26	(1	3	5	1	0	1	10	5	5	0
	1730	187	1009.3	988.1	+0.8	26.4	17.0	8.8	11.3	36	+11	4.2	+1.9	4.6	0	0	27	03	0	5	1	1	0	16	1	4	0
MAINPURI	0830	157	1012.9	994.6	+0.9	19.2	14.9	11.0	13.1	61	+ 9	3.3	+1.4	2.4	0	0	25	(0	0	3	1	0	1	19	1	6	0
	1730	157	1008.9	991.2	+0.6	28.3	18.7	11.3	13.4	37	+ 8	3.1	+0.9	3.1	0	0	25	00	0	3	1	0	0	21	0	6	0
AGRA	0830	169	1012.7	993.1	+0.2	19.3	15.0	11.2	13.3	61	+14	2.6	+1.0	1.4	0	0	13	(0	1	0	3	0	4	0	5	18	0
	1730	169	1009.1	990.1	+0.6	28.1	20.1	14.7	16.7	47	+23	4.0	+2.1	4.5	0	0	20	00	2	0	3	0	4	0	11	10	0
AGRA AERODROME	0230	169	1010.5	990.8	..	16.7	13.5	10.5	12.7	68	..	2.6	..	6.3	0	1	15	02	4	7	3	3	1	1	0	15	0
	0530	169	1010.7	990.9	..	15.2	12.6	10.3	12.5	72	..	2.8	..	7.0	0	1	18	(2	1	0	3	3	1	4	5	12	0
	0830	169	1012.5	992.6	..	18.9	14.3	10.1	12.3	59	..	3.5	..	8.9	0	1	26	04	1	3	3	5	1	7	3	4	0
	1130	169	1012.1	993.4	..	26.6	17.0	8.7	11.2	33	..	3.6	..	12.8	0	3	26	(5	0	1	1	7	2	4	9	2	0
	1730	169	1008.4	989.4	..	27.8	17.6	8.9	11.4	34	..	3.5	..	13.0	0	4	26	11	4	0	2	6	0	2	5	1	0
	2330	169	1010.9	991.3	..	18.6	14.5	10.8	12.9	62	..	2.7	..	9.6	0	5	14	(2	4	3	2	3	1	3	1	12	0
ORAI	0830	141	1012.1	996.0	-0.5	24.9	18.8	14.4	16.4	55	+ 6	2.7	+1.3	3.3	0	0	30	04	8	1	2	1	1	1	12	1	0
	1730	141	1007.9	992.0	-0.6	28.6	20.1	14.3	16.3	45	+13	1.8	+0.3	2.5	0	0	31	10	10	0	0	0	0	0	11	0	0
JHANSI	0830	251	1012.6	983.9	+0.2	22.2	14.3	6.8	9.9	38	+ 1	2.9	+1.6	1.4	0	0	13	01	0	4	0	1	0	5	2	18	0
	1730	251	1007.5	979.6	-0.3	29.3	16.5	4.5	8.4	23	+ 5	3.0	+1.3	1.5	0	0	15	(4	0	7	0	1	0	7	1	16	0
HARYANA(INCLUDING DELHI AND CHANDIGARH)																											
CHANDIGARH	0830	347	1010.4	970.1	-1.6	17.7	13.1	8.7	11.2	58	+ 6	2.7	+1.2	3.1	0	2	15	00	1	1	5	0	0	0	10	14	0
	1730	347	1008.0	968.7	-0.7	24.5	14.9	6.4	9.6	33	- 4	3.1	+1.7	8.2	0	0	26	(0	0	0	9	0	15	0	2	5	0
AMBALA	0830	272	1011.5	980.0	+0.0	17.1	12.9	8.8	11.3	62	+ 1	2.8	+0.7	2.1	0	0	23	00	2	0	8	0	3	3	7	8	0
	1730	272	1008.9	978.4	+0.6	25.5	15.8	6.5	9.7	34	+ 1	2.2	+0.1	3.3	0	0	22	(0	2	0	8	0	3	4	5	9	0
AMBALA P.B.O.	0230	278	1010.2	978.0	..	17.9	13.0	9.3	11.7	58	..	2.6	..	0.7	0	2	23	00	0	1	12	0	0	0	12	6	0
	0530	278	1010.0	977.6	..	16.4	12.3	9.2	11.6	64	..	2.8	..	7.2	0	2	22	01	0	2	10	0	0	1	10	7	0
	1130	278	1011.2	980.0	..	23.7	15.6	9.8	12.1	43	..	3.5	..	0.9	0	5	17	01	0	0	8	2	0	0	11	9	0
	1430	278	1009.5	978.1	..	25.0	16.1	9.4	11.8	38	..	3.8	..	11.0	0	4	23	(0	0	0	8	1	2	3	13	4	0
	2030	278	1009.8	977.7	..	21.4	14.8	9.7	12.0	47	..	2.5	..	6.3	0	1	22	00	0	2	5	1	0	8	7	8	0
	2330	278	1010.7	978.7	..	19.2	14.3	10.2	12.4	58	..	2.7	..	0.8	0	2	23	(0	1	2	7	0	0	1	14	6	0
AMBALA AERODROME	0530	274	1010.1	978.0	..	14.0	11.5	8.8	11.3	73	..	2.6	..	11.7	0	8	11	01	1	2	5	0	0	2	8	12	0
	0830	274	1011.6	979.8	..	17.1	12.9	8.8	11.3	60	..	3.6	..	10.3	0	5	20	(2	0	4	6	0	0	2	10	6	1
	1130	274	1011.4	980.3	..	23.9	15.6	8.0	10.7	40	..	3.4	..	19.2	0	14	15	02	1	4	6	2	0	3	11	2	0
	1730	274	1008.3	977.4	..	24.6	15.6	7.3	10.2	36	..	4.2	..	19.8	0	14	15	(1	1	7	6	0	2	7	10	2	0
	2330	274	1010.8	979.0	..	17.1	13.2	9.6	11.9	63	..	2.4	..	11.8	0	6	15	00	0	3	5	0	0	7	6	10	0
KARNAL	0830	249	1012.8	984.0	+1.2	17.9	13.7	10.0	12.3	61	- 3	3.2	+0.9	4.5	0	0	31	(1	0	7	3	0	0	0	25	0	0
	1730	249	1008.7	980.6	+0.1	24.6	16.1	8.4	11.0	38	+ 5	2.6	-0.1	4.1	0	0	30	00	0	3	2	0	0	0	25	1	0
HISSAR	0830	221	1010.6	984.4	..	14.8	12.7	10.4	12.6	77	..	2.5	..	4.1	0	0	25	(3	2	2	5	2	4	6	1	6	0
	0830	221	1012.5	986.6	-0.6	16.0	13.5	11.1	13.2	75	+16	4.2	+2.6	3.0	0	0	23	01	2	2	3	2	7	5	1	8	0
	1130	221	1012.3	987.1	..	24.2	18.0	13.4	15.4	52	..	3.8	..	5.5	0	2	23	(7	0	1	4	1	6	3	3	6	0
	1430	221	1009.8	984.9	..	26.7	19.1	13.6	15.6	48	..	3.8	..	8.2	0	2	27	06	0	1	4	7	4	8	5	2	0
	1730	221	1008.7	983.9	-0.5	26.5	18.6	12.4	14.4	45	+13	3.0	+1.1	6.5	0	4	24	05	1	3	2	1	1	7	8	3	0
	2330	221	1011.2	985.5	..	17.8	14.5	11.5	13.6	68	..	1.8	..	5.3	0	1	21	(3	3	6	3	0	0	4	3	9	0
NEW DELHI/SAFDARJUNG	0230	216	1010.3	985.1	..	17.3	13.3	9.4	11.8	62	..	2.8	..	8.6	0	5	20	00	2	2	5	1	2	2	11	6	0
	0530	216	1010.3	985.0	..	16.0	12.5	9.1	11.5	65	..	2.7	..	9.5	0	2	23	(1	2	7	4	2	3	7	4	6	0
	0830	216	1012.3	987.1	+0.2	18.2	13.6	9.3	11.7	58	+11	4.0	+1.8	11.0	0	1	29	02	2	4	5	1	2	11	3	1	0
	1130	216	1012.2	987.6	..	24.7	16.1	8.2	10.9	38	..	3.6	..	15.5	0	9	22	(0	0	6	5	1	3	6	10	0	0
	1430	216	1009.7	985.3	..	27.0	16.7	7.2	10.1	32	..	4.1	..	17.7	0	11	20	02	1	3	6	1	2	9	9	0	0
	1730	216	1008.5	984.1	+0.2	26.5	16.5	7.5	10.4	33	+12	3.8	+1.1	15.6	0	4	27	(0	3	4	4	0	2	4	14	0	0
	2030	216	1010.0	985.2	..	21.4	15.2	9.9	12.2	50	..	2.5	..	8.8	0	3	25	03	3	4	2	1	0	3	12	3	0
	2330	216	1010.8	985.8	..	19.0	14.2	10.0	12.3	58	..	2.6	..	7.6	0	4	15	(0	2	3	3	0	0	2	9	12	0
PALAM AERODROME	0230	233	1010.6	983.5	..	17.0	12.4	7.5	10.4	56	..	2.8	..	10.5	0	2	24	05	5	2	8	1	3	1	1	5	0
	0530	233	1010.7	983.9	..	14.7	11.5	7.9	10.6	66	..	3.0	..	10.3	0	2	25	(0	2	1	7	4	4	7	2	4	0
	0830	233	1012.4	985.4	..	17.7	12.9	7.7	10.5	55	..	3.8	..	10.4	0	3	26	01	3	2	5	4	1	9	4	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HARYANA (INCLUDING DELHI AND CHANDIGARH) (CONTD.)																											
PALAM AERODROME...(CONTD.)	1130	233	1012.6	986.1	..	24.9	15.2	5.6	9.1	30	..	3.7	..	14.5	0	4	27	(4	0	0	5	7	1	5	9	0	0
	1430	233	1009.9	983.7	..	26.9	15.7	3.6	7.9	26	..	4.1	..	14.7	0	9	21	06	2	1	4	3	2	3	9	1	0
	1730	233	1008.5	982.3	..	26.6	15.5	3.9	8.1	28	..	3.6	..	14.7	0	5	26	12	1	2	5	2	0	3	6	0	0
	2030	233	1010.1	983.5	..	21.4	14.5	7.8	10.6	46	..	3.0	..	9.5	0	2	27	06	5	5	6	2	0	0	4	2	1
	2330	233	1011.0	984.1	..	18.8	13.4	7.8	10.6	52	..	2.9	..	9.9	0	4	20	(4	4	2	7	4	0	1	2	7	0
PUNJAB																											
PATHANKOT	0530	312	1010.9	974.4	..	14.0	11.3	8.2	10.9	71	..	3.0	..	8.8	0	2	20	00	14	5	1	0	1	1	0	9	0
	0830	312	1012.0	975.9	+0.1	16.7	12.6	8.3	10.9	59	+ 3	4.0	+0.3	9.0	0	3	17	(0	13	3	1	1	1	1	0	11	0
	1130	312	1011.8	976.3	..	22.9	15.1	7.9	10.7	41	..	4.1	..	2.3	0	6	22	00	6	4	0	6	7	5	0	3	0
	1730	312	1008.9	973.7	-0.8	23.4	15.2	7.5	11.1	40	+ 0	4.4	-0.3	19.6	1	19	9	(0	5	1	0	3	3	14	3	2	0
	2330	312	1011.6	975.6	..	15.8	12.5	8.9	11.4	67	..	3.2	..	8.5	0	6	9	03	9	2	0	0	1	0	0	16	0
AMRITSAR	0530	234	1010.8	983.2	..	12.7	11.0	9.3	11.7	81	..	3.1	..	9.8	0	5	17	(3	4	4	2	0	0	2	7	9	0
	0830	234	1012.1	984.7	-0.2	15.2	12.7	10.3	12.5	73	+ 1	3.5	+0.4	10.2	0	3	21	02	4	5	3	1	1	6	2	7	0
	1130	234	1012.7	985.9	..	21.6	15.4	9.9	12.2	51	..	3.6	..	13.5	0	8	15	(1	1	5	4	0	0	2	0	8	0
	1430	234	1010.5	984.0	..	24.1	15.6	7.1	10.1	41	..	3.7	..	16.6	0	9	22	02	3	1	4	2	3	8	8	0	0
	1730	234	1009.2	982.6	-0.2	23.4	15.3	7.5	10.4	42	+ 2	4.2	+0.8	15.2	1	7	20	(4	4	3	1	0	1	8	7	3	0
	2030	234	1010.9	983.6	..	17.4	14.1	11.1	13.2	68	..	3.2	..	9.4	0	4	19	02	3	6	0	0	2	4	6	8	0
ADAMPUR AERODROME	0830	249	1012.2	983.0	..	15.2	13.1	11.3	13.4	75	..	4.0	..	6.7	0	1	14	(3	2	4	3	1	0	0	2	16	0
	1730	249	1009.5	981.3	..	22.9	16.3	10.9	13.0	50	..	4.0	..	13.2	0	1	30	03	2	2	1	4	0	7	12	0	0
LUDHIANA	0830	247	1012.0	983.3	-0.2	16.9	13.4	10.0	12.3	64	- 3	3.4	+1.0	2.8	0	1	13	(0	1	0	4	0	0	0	9	17	0
	1730	247	1008.6	980.8	-0.7	25.3	16.4	8.8	11.3	38	+ 0	3.3	+0.7	6.9	0	1	28	00	1	0	7	0	3	0	18	2	0
FEROZEPUR	0830	200	1012.4	988.9	+0.6	15.9	13.4	11.1	13.2	74	+ 3	2.8	+0.7	2.4	0	0	25	(4	5	2	1	5	1	1	6	6	0
	1730	200	1009.9	987.0	+0.9	23.3	16.5	10.7	12.9	50	+ 5	2.8	+0.2	2.4	0	0	28	09	3	0	2	2	0	6	6	3	0
HALWARA AERODROME..See Foot Note..	0830	242	1012.1	983.8	..	15.6	13.1	10.8	12.9	71	..	3.5	..	9.1	0	1	22	(3	0	4	5	2	1	2	5	8	1
	1730	242	1009.1	981.7	..	23.6	15.9	10.2	12.4	46	..	4.1	..	14.1	0	3	27	02	1	5	2	1	2	8	9	1	0
PATIALA	0830	251	1012.2	983.1	+0.4	17.7	13.3	10.1	12.3	63	+ 4	3.1	+0.2	5.6	0	2	15	(1	0	0	9	0	0	0	7	14	0
	1730	251	1008.7	980.4	+0.2	24.5	16.3	8.9	11.4	41	+ 7	3.7	+0.3	11.4	0	2	24	07	0	0	8	0	1	1	9	5	0
BHATINDA	0830	211	1012.6	988.1	..	18.6	24.7	11.3	13.4	65	+ 1	2.4	+0.6	3.1	0	1	21	(0	1	0	8	0	1	1	11	9	0
	1730	211	1008.9	985.1	..	24.5	17.4	11.7	13.7	49	+10	1.2	-0.6	3.7	0	0	25	00	2	0	4	0	1	0	18	6	0
HIMACHAL PRADESH																											
MANDI	0830	761	1015.1	928.1	+0.8	12.4	10.6	9.0	11.5	81	+ 1	3.7	-0.3	0.0	0	0	0	(0	0	0	0	0	0	0	0	31	0
	1730	761	1008.3	924.1	+0.0	20.2	13.5	7.1	10.1	45	+ 2	4.5	+0.4	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
BILASPUR	0830	587	1013.3	945.6	-1.7	13.5	11.6	10.1	12.3	82	+ 6	4.1	+0.6	0.8	0	0	2	(0	1	0	0	0	0	0	1	29	0
	1730	587	1008.6	943.6	-0.8	22.6	17.2	14.0	16.0	51	+13	5.0	+0.5	1.8	0	0	12	00	2	2	0	0	3	5	0	19	0
JAMMU AND KASHMIR																											
MISGAR	0830		(R)																								
	1730		(R)																								
GILGIT	0830		(R)																								
	1730		(R)																								
SKARDU	0830		(R)																								
	1730		(R)																								
LEH	0530	3514																									
	0830	3514																									
	1730	3514																									
SRINAGAR	0830	1587	1515.2	842.7	-0.7	4.6	3.5	2.3	7.2	86	+ 2	5.1	-0.2	2.8	0	0	21	00	0	0	13	0	1	0	7	10	0
	1130	1587	1515.8	842.9	..	9.4	6.3	2.7	7.4	65	..	4.9	..	2.9	0	0	26	(4	3	0	8	2	0	1	8	5	0
	1430	1587	1496.8	841.0	..	11.7	7.4	2.7	7.4	57	..	4.8	..	4.1	0	0	28	02	3	1	5	1	2	3	11	3	0
	1730	1587	1488.4	840.2	-1.0	10.8	6.7	2.1	7.1	57	- 3	5.2	-0.3	5.0	0	0	28	(2	0	0	7	0	2	4	13	3	0
	2030	1587	1497.4	841.1	..	7.8	5.5	3.0	7.6	73	..	4.0	..	5.0	0	0	25	01	0	0	12	0	1	1	10	6	0
SRINAGAR AERODROME	0530	1666	1474.1	833.5	..	3.1	1.9	0.3	6.2	85	..	4.4	..	1.5	0	0	6	(1	0	0	3	0	1	0	1	25	0
	0830	1666	1515.4	835.2	..	4.7	3.1	1.1	6.6	78	..	5.3	..	4.0	0	1	13	02	1	0	3	3	0	1	4	17	0
	1130	1666	1514.1	835.3	..	8.3	5.5	2.0	7.1	65	..	5.1	..	4.0	0	0	19	(3	3	3	5	0	0	1	4	12	0
	1730	1666	1490.3	832.7	..	10.2	6.3	1.8	6.9	61	..	5.5	..	8.8	0	4	15	02	0	1	3	5	1	2	5	12	0
	2330	1666	1506.1	833.9	..	4.8	3.3	1.5	6.8	79	..	3.7	..	4.9	0	1	16	(1	0	0	3	4	2	5	2	14	0
GULMARG	0830	2655	Functions only from June to September																								
	1730	2655																									
QAZIGUND	0830	..	..	..	..	5.1	3.5	1.4	6.8	78	..	5.4	..	1.7	0	1	6	00	0	0	3	3	0	1	0	24	0
	1730	..	..	..	..	10.2	6.2	1.7	6.9	59	..	5.0	..	3.1	0	1	18	(1	0	0	1	2	4	9	2	12	0
BANIHAL	0830	1630	..	..	..	6.8	4.1	0.5	6.3	69	..	3.9	..	3.5	0	0	13	00	0	0	0	0	0	0	13	18	0
	1730	1630	..	..	..	10.7	6.3	1.2	6.7	53	..	4.5	..	3.1	0	0	11	(0	0	0	0	0	0	0	11	20	0

0530, 1130, and 2330 hrs. data given at the end of the table.

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or Mt. in gms. of normal standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind speed (Km. p. h.) 02 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD.)																											
JAMMU	0830	366	1012.3	970.3	..	16.2	12.5	8.8	11.3	64	+ 9	2.6	-0.7	8.7	0	0	29	01	28	0	0	0	0	0	0	2	0
	1730	366	1014.0	972.6	..	24.7	16.4	9.6	11.9	39	..	1.9	..	3.1	0	0	12	00	10	1	0	1	0	0	0	19	0
JAMMU AERODROME	0530	292	1011.2	976.9	..	14.7	11.2	7.9	10.6	66	..	3.3	..	9.8	0	2	20	02	15	2	0	1	0	1	1	9	0
	0830	292	1012.1	977.9	..	16.1	12.7	8.4	11.0	60	..	3.7	..	6.8	0	2	19	03	15	1	1	0	0	1	0	10	0
	1130	292	1012.6	778.9	..	22.0	14.7	8.8	11.3	45	..	4.0	..	6.2	0	1	17	02	1	0	2	6	2	4	1	13	0
	1730	292	1009.6	976.3	..	22.7	15.0	8.0	10.7	43	..	4.5	..	2.6	0	2	20	01	5	1	1	2	3	8	1	9	0
	2330	292	1011.9	977.0	..	16.1	12.5	9.0	11.5	64	..	3.3	..	3.1	0	1	8	00	6	2	0	0	0	0	1	22	0
GULMARG (RESEARCH INSTITUTE)	0830		3068.3	737.6	..	1.7	**	**	**	**	..	5.0	..	..	.	..	..	00	0	11	2	2	2	12	1	0	1
	1130		3083.8	738.6	..	1.9	**	**	**	**	..	5.7	..	..	.	..	..	01	4	7	2	4	0	11	1	0	1
	1730		3063.1	736.8	..	1.5	**	**	**	**	..	5.5	..	..	.	..	..	00	0	8	4	4	1	8	5	0	1
RAJASTHAN, WEST																											
GANGANAGAR	0530	177	1010.5	989.2	..	14.4	11.9	9.2	11.6	73	..	1.3	..	1.7	0	1	6	00	1	3	1	0	1	0	1	24	0
	0830	177	1011.8	991.0	-0.4	16.3	12.6	8.5	11.1	64	+ 1	2.9	+1.2	2.9	0	0	20	00	6	2	6	1	1	3	1	11	0
	1130	177	1012.2	992.0	..	23.9	15.9	8.2	10.9	44	..	2.9	..	3.1	0	0	26	01	6	2	3	1	2	4	7	5	0
	1730	177	1008.8	988.9	+0.0	26.7	16.2	7.3	10.2	36	+ 5	3.2	+1.4	2.7	0	0	23	04	1	0	4	0	1	3	10	8	0
	2330	177	1012.2	990.6	..	17.8	13.7	9.8	12.1	63	..	1.0	..	1.6	0	0	10	00	3	1	2	0	1	0	3	21	0
ANUPGARH	0830	154	(R)																								
	1730	154	(R)																								
MAHAJAN	0830	187	1010.5	988.7	..	17.4	15.0	13.1	15.1	77	..	1.8	..	3.1	0	0	27	06	1	3	6	3	5	2	1	2	0
	1730	187	1007.1	986.2	..	28.1	21.8	18.3	21.0	55	..	0.7	..	7.6	0	1	24	07	1	1	2	2	6	2	4	0	0
CHURU	0830	291	..	..	..	16.5	11.7	4.9	8.7	51	- 6	3.4	+1.2	3.0	0	0	19	01	2	3	2	6	2	2	1	12	0
	1730	291	..	..	..	27.1	15.0	0.2	6.0	25	- 4	3.1	+0.3	8.5	0	2	29	14	1	1	1	2	0	8	4	0	0
BIKANER	0830	224	1012.2	986.2	+0.1	18.2	12.6	5.5	9.0	50	+ 6	2.8	+1.5	2.6	0	0	16	01	5	3	3	0	3	0	1	15	0
	1730	224	1008.3	983.2	+0.0	27.8	15.8	2.1	7.1	25	+ 2	3.0	+1.5	5.3	0	1	23	05	1	0	0	2	3	4	9	7	0
BIKANER P.B.O. See Foot Note	0530	224	1010.4	984.2	..	15.4	11.7	6.9	9.9	60	..	2.6	..	2.1	0	0	12	00	4	1	1	2	3	1	0	19	0
	1130	224	1011.9	986.6	..	26.1	15.8	5.2	8.8	32	..	3.3	..	5.7	0	1	29	03	4	1	7	6	4	3	2	1	0
	2330	224	1010.9	985.0	..	19.8	13.9	7.7	10.5	50	..	2.8	..	3.0	0	0	16	06	1	1	2	0	4	0	2	15	0
NAGAUR	0830	298	1012.3	978.1	+0.0	20.2	13.7	9.4	11.8	51	+14	4.3	+2.5	6.2	0	0	29	05	4	3	2	5	5	2	3	2	0
	1730	298	1007.7	974.4	-0.3	28.1	19.3	12.5	14.5	41	+17	4.4	+2.1	8.7	0	1	30	08	3	1	3	2	3	3	8	0	0
PHALODI	0830	234	1012.4	985.3	-0.1	28.7	14.1	9.7	12.0	59	+ 7	3.8	+1.9	7.2	0	2	21	01	1	7	6	6	2	0	0	8	0
	1730	234	1009.0	982.7	-0.4	29.2	19.5	12.7	14.7	38	+ 6	3.0	+0.9	12.7	1	3	27	07	2	1	2	2	5	7	5	0	0
JAISALMER	0830	242	1011.5	983.4	-0.2	19.8	12.6	4.8	8.6	39	-17	4.1	+2.6	5.2	0	0	25	01	1	8	2	7	2	3	1	6	0
	1730	242	1006.9	980.2	-0.3	28.8	16.1	3.7	8.0	24	-13	4.1	+2.0	7.9	0	0	31	05	2	1	2	7	7	6	1	0	0
JODHPUR	0230	224	1009.9	984.1	..	20.3	13.5	5.3	8.9	44	..	2.5	..	9.7	0	1	27	02	15	2	0	1	2	5	1	3	0
	0530	224	1010.0	984.0	..	18.8	13.1	6.1	9.8	49	..	2.8	..	9.6	0	2	27	02	19	3	0	1	1	2	1	2	0
	0830	224	1011.9	986.0	-0.6	19.9	13.8	7.0	10.0	48	+13	4.3	+2.5	8.5	0	1	30	03	16	5	3	0	1	2	1	0	0
	1130	224	1011.8	986.5	..	27.7	16.6	5.1	8.8	30	..	4.1	..	11.6	0	4	26	02	3	10	6	4	2	2	1	1	0
	1430	224	1008.9	984.0	..	31.3	17.7	3.5	7.9	24	..	4.1	..	11.5	0	4	26	04	3	2	5	2	5	4	5	1	0
	1730	224	1007.8	982.9	-0.4	30.4	17.5	4.6	8.5	25	+ 8	4.2	+1.9	11.2	0	2	29	01	3	2	1	4	5	5	10	0	0
	2030	224	1009.4	984.0	..	25.3	16.1	7.2	10.1	36	..	3.6	..	10.1	0	3	24	05	3	0	3	2	5	6	3	4	0
	2330	224	1010.6	984.9	..	22.6	14.8	6.7	9.8	40	..	3.1	..	10.7	0	4	24	06	10	1	0	1	2	6	2	3	0
BARMER	0530	194	1008.8	986.5	..	20.6	13.7	6.2	9.5	43	..	2.4	..	4.1	0	0	24	02	0	0	0	1	1	4	16	7	0
	0830	194	1010.7	988.3	-1.0	20.3	14.1	7.2	10.2	48	+ 1	3.8	+2.2	1.5	0	0	17	00	1	0	1	0	3	0	10	14	0
	1130	194	1011.2	989.3	..	27.1	17.5	9.3	11.7	37	..	3.4	..	3.8	0	0	26	04	6	3	4	2	4	1	2	5	0
	1730	194	1007.1	985.5	-0.8	29.9	14.9	8.0	10.7	30	+ 4	3.8	+1.7	4.2	0	0	30	03	5	0	2	2	4	5	9	1	0
	2330	194	1009.7	987.6	..	23.9	15.3	6.4	9.6	38	..	2.8	..	5.0	0	1	24	01	1	1	0	1	5	6	10	6	0
ERINPURA (JAWAI DAM)	0830	295	1010.4	976.8	-1.9	20.0	15.6	11.4	13.5	62	+ 8	4.1	+2.3	1.7	0	0	20	01	1	4	9	2	2	1	0	11	0
	1730	295	1006.8	974.0	-1.4	28.8	19.3	12.0	14.0	40	+ 2	4.4	+1.7	2.3	0	0	20	00	0	2	1	1	6	3	7	11	0
RAJASTHAN, EAST																											
PILANI	0830	301	1012.7	978.0	-0.6	16.9	12.1	6.4	9.6	54	+ 9	3.5	+2.2	6.7	0	0	26	02	2	2	3	4	9	3	1	5	0
	1730	301	1009.0	975.3	+0.1	26.8	15.6	3.6	7.9	28	+ 6	3.1	+1.4	12.6	0	7	23	05	2	1	3	1	2	6	10	1	0
SIKAR	0830	433	1012.2	962.8	-0.1	18.6	12.8	6.8	9.9	49	- 7	1.8	-0.1	0.6	0	0	5	00	0	0	3	1	1	0	0	26	0
	1730	433	1007.0	959.6	-0.7	27.9	15.9	5.2	8.8	27	-16	1.9	-0.8	1.5	0	0	19	00	0	0	1	0	0	16	2	12	0
ALWAR	0830	271	1011.7	980.4	-0.5	19.0	15.8	13.3	15.3	70	+ 8	3.6	+1.3	1.0	0	0	28	03	1	2	3	1	1	4	13	3	0
	1730	271	1007.4	977.2	-0.9	28.3	21.7	17.8	20.4	57	+20	3.7	+0.5	3.0	0	0	28	03	1	2	3	1	1	4	13	3	0
JAIPUR (SANGANER)	0230	390	1010.0	965.3	..	18.2	13.0	7.4	10.3	53	..	3.1	..	6.1	0	1	27	05	8	9	1	0	3	1	1	3	0
	0530	390	1010.1	965.2	..	16.9	12.3	7.3	10.2	56	..	2.8	..	5.1	0	1	22	03	3	13	2	0	1	1	0	8	0
	0830	390	1011.8	967.3	-0.6	20.1	14.0	7.9	10.7	49	+11	3.7	+2.1	4.0	0	0	19	01	2	9	3	1	2	0	1	12	0
	1130	390	1011.5	967.8	..	25.7	15.9	6.4	9.6	33	..	3.8	..	8.5	0	1	29	03	0	5	5	5	4	6	2	1	0
	1430	390	1008.4	969.2	..	28.2	16.7	6.0	9.3	29	..	4.3	..	8.6	0	2	26	02	1	0	5	1	3	9	7	3	0

1430 and 2030 hrs. data given at the end of the table.

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lit. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															42 or more	20 to 41	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN, EAST (CONTD.)																											
JAIPUR (SANGANER). (CONTD.)	1730	390	1007.2	964.0	-0.9	27.6	16.7	6.7	9.8	30	+ 8	4.3	+2.1	7.9	0	2	24	02	0	1	3	1	2	3	14	5	0
	2030	390	1009.5	965.4	..	22.2	14.9	8.1	10.8	43	..	3.6	..	7.0	0	2	26	12	1	2	3	1	1	1	7	3	0
	2330	390	1010.3	965.7	..	19.8	13.9	8.0	10.7	49	..	3.4	..	5.6	0	0	28	09	8	3	3	1	0	1	3	3	0
DHOLPUR	0830	176	1012.2	991.7	+0.2	19.7	14.8	8.9	11.4	55	- 4	2.3	+0.1	2.1	0	0	16	02	1	2	1	2	0	5	3	15	0
	1730	176	1007.5	987.8	-0.2	28.9	17.3	6.2	9.5	27	- 9	2.2	-0.6	3.0	0	0	21	07	1	2	1	0	0	6	4	10	0
AJMER	0830	486	1012.2	957.0	-0.7	19.2	12.9	6.9	9.9	48	+ 8	3.9	+2.3	6.0	0	1	22	00	10	1	4	1	2	2	3	8	0
	1730	486	1007.4	954.1	-0.5	28.1	15.9	4.4	8.4	27	+ 7	3.8	+1.6	9.7	0	3	25	04	1	0	1	3	4	8	7	3	0
TONK	0830	272	1011.5	980.2	-0.3	19.6	13.9	8.7	11.2	52	+ 5	3.7	+1.6	8.0	0	0	31	02	1	5	3	1	0	13	6	0	0
	1730	272	1006.3	976.2	-0.5	29.1	18.3	10.0	12.3	34	+ 6	3.4	+0.9	6.0	0	0	31	05	2	2	2	2	5	4	9	0	0
BHILWARA	0830	425	1012.3	963.8	..	19.0	13.8	8.5	11.0	54	..	4.7	..	3.7	0	0	15	02	5	0	0	0	5	1	2	16	0
	1730	425	1007.5	960.7	..	28.8	16.5	4.6	8.5	26	..	4.6	..	6.1	0	0	27	04	7	1	2	1	3	1	8	4	0
KOTA	0830	257	1011.9	982.5	-0.8	21.3	15.4	10.2	12.4	51	+17	3.8	+2.4	2.7	0	0	14	01	1	1	4	1	1	5	0	17	0
	1730	257	1007.6	979.1	-0.2	29.5	18.2	8.9	11.4	32	+14	4.0	+2.0	5.7	0	3	20	05	5	0	2	0	1	1	9	8	0
KOTA AERODROME	0530	274	1010.0	978.5	..	19.4	13.6	8.2	10.9	50	..	2.7	..	7.4	0	1	24	02	3	3	4	1	3	8	1	6	0
	0830	274	1012.1	980.8	..	21.4	14.5	7.4	10.3	44	..	4.8	..	5.7	0	0	24	02	0	6	2	1	5	4	4	7	0
	1130	274	1012.1	981.3	..	27.0	16.4	5.8	9.2	31	..	3.2	..	9.5	0	4	24	02	5	10	4	3	1	2	1	3	0
	1730	274	1007.5	977.7	..	29.5	16.9	3.8	8.0	23	..	4.1	..	10.3	0	3	26	08	6	1	4	1	1	6	2	2	0
	2330	274	1010.5	979.3	..	22.8	15.0	7.8	10.6	41	..	2.8	..	8.8	0	4	23	02	0	3	1	5	5	7	4	4	0
CHAMBAL (RAWAT BHATTA DAM)	0830	351	1010.5	970.5	-2.4	20.6	15.3	10.8	12.9	55	+13	2.4	+0.9	4.8	0	3	10	04	2	1	1	2	1	1	1	18	0
	1730	351	1005.8	967.0	-2.3	29.1	18.7	10.8	12.9	35	+ 7	3.3	+1.0	11.6	0	3	28	06	7	1	2	1	6	5	3	0	0
UDAIPUR	0230	582	1011.1	945.2	..	18.0	13.4	8.9	11.4	59	..	2.5	..	0.3	0	0	2	00	0	0	0	1	0	0	1	29	0
	0530	582	1010.9	944.8	..	16.8	12.8	8.9	11.4	62	..	2.2	..	0.3	0	0	2	00	0	0	1	1	0	0	0	29	0
	0830	582	1012.5	946.7	-0.7	19.1	13.7	9.0	11.5	54	+11	3.5	+2.0	0.9	0	0	5	02	1	0	1	1	0	0	0	26	0
	1130	582	1011.2	947.2	..	27.0	16.7	8.5	11.1	35	..	3.3	..	3.9	0	0	26	04	4	6	3	3	3	2	1	5	0
	1730	582	1007.0	943.6	-0.7	28.3	17.2	8.6	11.2	34	+10	4.3	+1.9	4.5	0	0	25	04	8	3	1	0	0	5	4	6	0
	2330	582	1011.2	945.8	..	19.8	14.6	10.4	12.6	57	..	2.5	..	0.8	0	0	5	01	0	1	1	0	1	0	1	26	0
JHALAWAR	0830	321	(R)																								
	1730	321	(R)																								
BANSWARA	0830	220	1011.5	986.3	..	21.8	15.4	10.9	13.0	47	..	1.4	..	9.6	0	0	31	00	0	0	14	16	1	0	0	0	0
	1730	220	1007.7	983.5	..	32.3	19.8	12.5	14.5	30	..	1.4	..	10.1	0	0	31	03	1	1	1	4	5	9	7	0	0
MADHYA PRADESH, WEST																											
GWALIOR	0230	207	1010.1	986.1	..	18.5	13.0	7.2	10.6	50	..	3.5	..	3.2	0	0	13	02	2	0	0	5	1	1	2	18	0
	0530	207	1010.5	986.4	..	16.6	12.4	7.8	11.0	58	..	3.0	..	3.7	0	0	18	02	2	0	2	4	3	0	5	13	0
	0830	207	1012.2	988.4	-0.7	20.9	14.5	8.1	11.4	48	+14	3.8	+2.1	4.1	0	0	21	06	1	1	2	4	2	0	5	10	0
	1130	207	1012.1	988.7	..	27.0	16.7	7.1	10.6	29	..	4.1	..	7.7	0	1	30	03	5	3	3	7	2	0	8	0	0
	1430	207	1009.1	986.0	..	29.3	17.5	6.7	10.4	28	..	4.4	..	8.0	0	1	29	10	3	0	2	3	1	5	6	1	0
	1730	207	1008.0	984.9	+0.1	28.9	17.3	6.7	10.4	29	+13	4.0	+1.7	7.5	0	0	31	10	3	1	1	2	1	3	10	0	0
	2030	207	1009.8	986.1	..	23.3	15.4	8.0	11.1	40	..	3.5	..	4.8	0	1	21	07	4	2	2	2	2	0	3	9	0
	2330	207	1010.6	986.8	..	20.2	14.0	8.0	10.9	47	..	3.5	..	3.9	0	1	11	03	2	0	0	4	0	2	1	19	0
SHEOPUR	0830	235	1012.2	985.1	+0.0	19.2	13.6	7.6	11.1	50	+ 8	3.9	+2.0	4.1	0	0	21	06	1	1	1	10	0	1	1	10	0
	1730	235	1006.9	980.8	-0.2	29.9	17.0	3.8	8.9	25	+ 7	4.0	+1.2	10.1	0	1	30	13	2	1	2	3	3	1	6	0	0
SHIVPURI	0830	464	1012.0	959.4	..	20.8	13.6	7.0	10.4	43	..	3.3	..	5.5	0	0	24	02	0	3	6	1	1	2	3	7	0
	1730	464	1007.1	956.1	..	28.1	15.9	4.9	9.1	27	..	4.0	..	7.1	0	0	28	07	2	0	2	0	1	4	10	3	2
NOWGONG	0830	229	1012.6	986.2	+0.0	19.5	14.2	8.8	11.9	53	+ 7	3.5	+1.9	3.4	0	0	21	01	2	1	0	1	11	3	2	10	0
	1730	229	1007.9	982.4	+0.1	29.6	17.6	6.0	10.4	26	+ 4	3.2	+1.2	2.7	0	0	25	07	2	3	0	0	2	3	8	6	0
GUNA	0530	478	1010.7	956.1	..	17.2	12.3	7.5	10.7	56	..	3.0	..	6.5	0	0	25	04	4	4	10	2	0	0	1	6	0
	0830	478	1012.1	958.1	-0.5	21.4	14.3	7.6	11.1	46	+ 5	3.4	+2.1	6.2	0	0	29	03	3	6	8	5	1	0	3	2	0
	1130	478	1011.1	958.3	..	28.2	17.2	8.1	11.6	33	..	3.5	..	7.9	0	1	29	02	6	1	9	2	2	5	3	1	0
	1430	478	1007.6	955.4	..	30.5	17.9	7.9	11.2	29	..	3.9	..	10.4	0	2	27	01	4	3	0	2	1	6	12	2	0
	1730	478	1007.1	954.6	-0.6	28.7	17.2	7.8	11.2	33	+14	4.2	+2.2	11.5	0	2	29	01	6	1	2	0	3	3	15	0	0
	2330	478	1011.0	956.9	..	20.4	14.4	8.8	12.0	52	..	2.5	..	6.8	0	1	21	05	5	0	6	1	1	0	4	9	0
NIMACH	0830	496	1011.7	955.8	-1.3	21.0	13.4	5.1	9.9	43	+10	3.9	+2.3	5.9	0	2	23	01	6	1	1	3	2	2	1	6	8
	1730	496	1007.4	953.2	-0.5	29.2	16.1	3.3	8.8	25	+ 3	4.5	+2.0	10.1	0	5	24	00	3	1	0	0	3	6	0	2	16
RAJGARH	0830	382	1011.9	968.3	-1.0	20.2	15.0	9.8	12.9	55	+20	3.1	+1.7	3.8	0	0	27	06	0	2	10	5	2	1	1	4	0
	1730	382	1007.1	965.1	-0.4	30.4	19.9	11.7	14.7	39	+21	3.5	+1.1	8.4	0	1	28	11	2	2	0	1	2	5	6	2	0
SAGAR	0830	551	1012.4	950.1	-0.1	19.4	12.8	5.7	10.0	48	+17	3.1	+1.5	6.0	0	0	31	00	7	7	0	0	6	8	3	0	0
	1730	551	1007.1	947.0	+0.2	28.9	18.4	10.9	13.5	36	+18	2.2	+0.0	7.1	0	0	31	00	6	7	0	0	1	5	12	0	0
RATLAM	0830	486	1012.0	957.0	-0.6	21.7	16.5	12.6	15.0	60	+17	3.8	+1.9	8.5	0	1	28	02	12	7	1	2	2	2	1	2	0
	1730	486	1007.0	953.9	-0.4	30.3	21.4	16.2	19.0	44	+18	4.5	+1.6	10.8	0	3	28	01	1	2	2	0	6	9	10	0	0
BHOPAL (BAIRAGARH)	0230	523	1009.7	950.7	..	19.9	13.2	6.5	10.3	46	..	2.6	..	8.9	0	2	26	08	5	3	3	2	2	1	4	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs.: At station level	Mean pressure in mbs.: Departure from normal	Mean temperature in °C: Dry Bulb	Mean temperature in °C: Wet Bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 62 or more	Wind Speed: 20 to 61	Wind Speed: 1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH. WEST(CONTD)																											
BHOPAL(BAIRAGARH).(CONTD.)	0530	523	1010.1	950.9	..	18.8	12.9	7.0	10.6	51	..	2.9	..	7.3	0	0	24	06	2	6	5	1	0	0	4	7	0
	0830	523	1011.9	953.1	-0.8	21.9	14.6	8.0	11.3	47	+16	3.3	+2.0	7.9	0	0	28	06	4	5	5	3	4	0	1	3	0
	1130	523	1010.7	953.3	..	28.4	17.6	9.2	12.3	34	..	3.1	..	11.5	0	3	27	02	3	4	11	1	2	4	3	1	0
	1430	523	1006.9	950.2	..	31.2	18.0	7.8	11.0	26	..	4.0	..	14.5	0	6	25	03	3	1	1	3	6	7	7	0	0
	1730	523	1006.4	949.4	-0.2	29.9	17.4	7.2	10.7	28	+11	4.1	+2.1	15.0	0	7	22	05	2	1	2	2	2	7	8	2	0
	2030	523	1009.3	951.2	..	24.4	15.5	7.7	11.1	39	..	3.1	..	8.3	0	1	27	07	4	2	3	1	0	3	8	3	0
	2330	523	1010.3	951.7	..	22.2	14.4	7.5	10.7	42	..	2.7	..	9.5	0	0	30	12	5	4	2	3	0	1	3	1	0
UJJAIN	0830	489	1012.7	957.0	..	18.9	14.0	9.7	12.4	57	..	4.6	..	3.9	0	1	11	01	2	2	2	0	3	1	1	19	0
	1730	489	1006.7	953.3	..	29.9	17.7	8.6	11.4	31	..	4.8	..	11.3	0	4	23	02	3	1	0	0	2	10	9	4	0
NARSINGHPUR	0830	356	1012.0	971.5	..	20.8	16.0	11.9	14.3	59	..	3.4	..	1.7	0	0	26	00	18	0	3	0	3	0	2	5	0
	1730	356	1005.8	967.0	..	32.6	21.3	13.0	16.1	33	..	3.5	..	2.2	0	0	31	00	12	0	0	0	6	0	13	0	0
HOSHANGABAD	0830	302	1011.9	977.4	-0.5	22.4	16.0	9.9	13.0	50	+13	2.2	+0.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	302	1006.6	973.6	+0.2	33.2	20.0	9.6	12.6	29	+12	3.9	+1.6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
INDORE	0530	567	1010.4	946.1	..	17.9	12.2	6.2	10.1	51	..	2.3	..	6.2	0	0	22	01	0	6	0	3	6	4	2	9	0
	0830	567	1012.0	948.4	-0.3	21.5	14.4	7.7	11.2	46	+15	2.9	+1.7	5.7	0	1	19	01	5	3	1	1	6	1	2	11	0
	1130	567	1010.4	948.4	..	28.9	17.1	7.4	10.9	30	..	2.5	..	9.7	0	1	27	01	3	10	2	1	6	5	0	3	0
	1730	567	1006.2	944.7	-0.4	30.1	17.1	6.0	10.0	27	+10	3.0	+1.1	14.7	0	7	23	05	1	2	0	0	2	12	8	1	0
	2330	567	1010.6	947.1	..	21.9	14.2	6.8	10.6	43	..	2.5	..	9.4	0	1	29	08	5	1	1	0	1	9	5	1	0
RAJPUR(JHABUA)	0830	293	1012.1	978.7	-1.1	21.5	15.9	10.0	13.6	53	+ 7	3.5	+2.0	3.9	0	0	18	00	1	2	1	0	2	11	1	13	0
	1730	293	1007.1	974.9	-0.7	32.2	18.0	4.1	9.1	22	+ 2	3.5	+1.8	7.5	0	1	27	01	0	1	1	0	0	25	0	3	0
CHHINDWARA	0830	685	1012.3	936.1	+0.0	20.5	16.0	12.7	14.9	62	+23	3.0	+1.3	3.2	0	0	16	02	2	4	2	1	2	1	2	15	0
	1730	685	1006.0	932.0	-0.4	29.0	20.0	14.4	16.8	48	+27	3.7	+1.0	6.5	0	0	28	02	0	2	1	7	1	11	4	3	0
SEONI	0830	619	1012.3	943.2	+0.2	21.4	15.5	10.6	13.3	55	+15	2.5	+0.9	6.1	0	0	29	04	3	1	2	7	8	2	2	2	0
	1730	619	1006.2	939.1	-0.4	28.8	18.3	11.3	13.4	39	+14	3.8	+1.3	7.7	0	0	30	10	1	3	1	3	4	6	2	1	0
BETUL	0830	653	1011.9	939.2	-0.5	22.2	15.2	8.9	12.2	49	+15	3.2	+1.4	4.0	0	0	30	02	2	4	16	1	2	1	2	1	0
	1730	653	1005.6	935.2	-0.6	30.2	17.0	5.4	9.7	25	+ 5	4.3	+1.7	6.6	0	0	31	05	2	1	3	2	3	5	10	0	0
KHANDWA	0830	318	1011.9	975.8	-0.1	22.9	15.2	8.5	11.1	39	+ 7	2.7	+1.6	2.5	0	0	25	02	1	1	4	3	11	1	2	6	0
	1730	318	1005.8	971.1	-0.3	33.2	18.3	3.5	8.9	19	+ 2	3.2	+1.4	4.2	0	0	31	04	0	1	2	2	10	3	9	0	0
MADHYA PRADESH,EAST																											
SATNA	0530	317	1010.1	973.7	..	17.4	12.7	7.7	10.9	57	..	1.7	..	1.2	0	0	13	00	1	3	0	2	3	1	3	18	0
	0830	317	1012.2	976.1	+0.2	21.4	14.8	7.8	11.5	47	+ 2	2.8	+1.3	1.7	0	0	17	00	0	2	2	3	1	6	3	14	0
	1130	317	1011.5	976.1	..	27.8	16.8	5.6	10.2	30	..	3.0	..	4.4	0	0	30	01	0	6	2	4	5	5	7	1	0
	1430	317	1008.2	973.2	..	29.8	17.1	3.6	9.1	25	..	3.3	..	5.3	0	1	27	02	0	0	1	0	1	9	15	3	0
	1730	317	1007.3	972.2	+0.0	29.1	16.8	5.8	9.1	26	+ 0	2.8	+0.8	4.1	0	0	29	09	1	3	0	0	2	3	11	2	0
	2330	317	1010.7	974.5	..	21.1	14.6	7.7	11.4	47	..	1.2	..	3.5	0	1	16	03	3	5	2	2	1	0	1	14	0
REWA	0830	299	1011.8	977.6	..	20.8	15.1	9.7	12.5	52	..	2.8	..	2.6	0	0	25	02	3	1	2	3	8	3	3	6	0
	1730	299	1007.2	974.1	..	29.1	17.7	7.7	11.0	30	..	3.2	..	4.5	0	0	30	07	4	1	1	1	1	3	12	1	0
SIDHI	0830	272*	1011.7	980.6	-0.1	20.6	16.3	12.7	15.1	62	+13	1.9	+1.1	0.3	0	0	4	00	0	2	0	1	0	1	0	27	0
	1730	272	1007.0	976.8	-0.1	28.9	20.1	14.0	16.4	44	+21	1.8	+0.9	2.1	0	0	23	17	0	3	0	0	1	2	0	8	0
UMARIA	0830	459	1012.5	960.7	+0.4	22.0	15.6	10.0	13.0	53	+ 7	3.7	+1.8	3.2	0	0	26	03	2	5	7	2	4	1	2	5	0
	1730	459	1007.0	956.6	+0.0	28.9	17.8	9.4	12.3	35	+ 7	3.7	+1.2	6.0	0	0	30	08	2	2	3	1	3	1	10	1	0
JABALPUR	0530	393	1010.6	965.6	..	17.4	14.3	11.5	13.8	69	..	2.7	..	1.8	0	0	13	00	2	0	8	1	1	0	1	18	0
	0830	393	1012.4	967.9	+0.1	21.6	16.1	11.3	13.8	54	+10	2.8	+1.3	3.3	0	0	20	03	0	0	7	7	3	0	0	11	0
	1130	393	1011.0	967.6	..	29.0	18.9	10.8	13.6	36	..	2.7	..	5.2	0	0	29	02	2	3	3	7	3	4	5	2	0
	1430	393	1007.2	964.3	..	31.6	19.4	9.6	12.6	29	..	3.6	..	7.1	0	0	31	09	2	1	1	1	2	9	6	0	0
	1730	393	1006.6	963.6	-0.2	30.0	19.4	11.5	13.9	36	+13	3.1	+0.9	5.0	0	0	28	10	4	1	3	3	1	2	4	3	0
	2030	393	1009.6	965.6	..	24.0	17.6	12.5	15.0	52	..	1.9	..	2.9	0	0	15	02	5	3	3	1	1	0	0	16	0
	2330	393	1010.8	966.4	..	21.6	16.3	11.8	14.2	57	..	2.4	..	3.5	0	0	20	02	5	4	5	3	1	0	0	11	0
AMBIKAPUR	0830	611	1012.6	944.1	-0.2	20.3	14.8	10.0	12.9	57	+ 9	2.4	+1.2	4.7	0	1	23	06	4	2	2	4	3	1	2	7	0
	1730	611	1007.0	940.4	-0.2	27.4	16.9	7.8	11.5	36	+11	3.2	+1.5	10.3	0	2	28	07	5	1	1	1	0	4	11	1	0
JASHPURNAGAR	0830	779*	1012.1	925.9	..	20.9	14.6	8.8	12.2	50	..	2.8	..	1.6	0	0	19	02	7	0	0	0	6	0	4	12	0
	1730	779	1006.2	922.1	..	26.5	16.2	7.1	10.9	35	..	3.5	..	2.2	0	0	27	00	0	0	1	0	17	0	9	4	0
PENDRA	0530	625	1011.1	940.6	..	17.9	13.4	8.8	12.1	61	..	2.5	..	4.6	0	0	25	02	1	1	1	8	5	3	4	6	0
	0830	625	1012.5	942.7	+0.0	21.4	15.2	9.8	12.8	54	+15	2.5	+0.8	7.7	0	6	14	08	1	0	0	7	3	0	1	11	0
	1130	625	1011.0	942.5	..	26.6	17.4	10.2	13.1	42	..	2.5	..	9.0	0	4	21	05	0	2	3	7	3	1	0	6	4
	1430	625	1007.3	939.5	..	28.3	18.0	10.1	13.1	39	..	3.2	..	10.8	0	5	25	10	1	2	2	8	4	0	1	1	2
	1730	625	1007.2	938.9	-0.2	26.3	17.4	10.4	13.4	45	+17	3.2	+0.4	8.8	0	2	29	17	3	1	3	3	2	0	2	0	0
	2330	625	1011.4	941.5	..	20.2	14.8	9.7	13.0	58	..	2.3	..	5.0	0	2	21	04	1	0	0	4	6	3	5	8	0
MANDLA	0830	443	1012.4	962.2	-0.5	20.4	15.8	11.6	14.2	61	+ 4	2.1	+0.2	0.5	0	0	3	01	0	0	0	2	0	0	0	28	0
	1730	443	1006.7	958.0	-0.3	28.0	18.3	10.2	13.1	41	+17	3.2	+0.5	2.6	0	1	10	04	0	0	0	4	0	0	3	20	0

* Height provisionally calculated.

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																											
CHAMPA	0830	245	1012.6	984.5	+0.1	22.5	16.9	12.1	14.7	57	+19	2.4	+0.4	2.9	0	0	25	08	5	5	2	2	0	1	2	6	0
	1730	245	1007.2	980.1	+0.1	30.2	19.4	10.6	13.7	37	+15	3.5	+0.9	4.4	0	0	27	05	3	0	0	1	4	10	4	4	0
RAIGARH	0830	220	1012.5	987.4	+0.4	23.9	17.9	13.1	15.7	55	+12	2.9	+0.9	3.8	0	0	30	00	18	2	4	0	4	1	1	1	0
	1730	220	1006.9	982.5	-0.1	30.4	20.4	13.1	15.9	39	+16	2.9	+0.9	3.0	0	0	23	06	3	0	0	0	9	3	2	8	0
RAIPUR	0530	298	1010.3	976.2	..	20.7	16.5	12.9	15.4	63	..	2.7	..	2.3	0	0	13	00	4	3	2	2	1	0	1	18	0
	0830	298	1012.5	978.8	+0.5	23.9	17.7	12.2	15.3	53	+12	2.6	+1.0	3.7	0	0	26	02	4	2	4	2	6	3	3	5	0
	1130	298	1011.5	978.4	..	29.7	20.1	12.5	15.7	40	..	2.6	..	5.2	0	0	29	01	2	3	5	3	4	6	5	2	0
	1430	298	1007.7	975.0	..	32.6	20.6	11.8	14.5	32	..	3.4	..	5.1	0	0	27	01	1	1	1	5	7	5	6	4	0
	1730	298	1006.8	974.0	-0.2	31.4	20.2	11.9	14.6	34	+10	3.4	+1.7	4.6	0	0	30	06	0	1	1	2	6	8	6	1	0
	2030	298	1009.3	975.9	..	27.0	18.9	12.8	15.3	46	..	2.3	..	4.2	0	0	24	01	3	2	3	5	4	4	2	7	0
	2330	298	1010.4	976.8	..	24.6	18.2	13.4	15.7	55	..	2.7	..	4.7	0	0	27	02	4	1	3	7	6	0	4	4	0
KANKER	0830	402	1012.3	967.2	+0.3	23.3	18.9	15.7	18.2	65	+11	2.9	+0.9	2.0	0	0	16	01	1	1	4	2	4	1	2	15	0
	1730	402	1006.3	962.6	-0.5	31.2	21.6	15.3	17.9	42	+12	4.0	+1.5	1.6	0	0	10	01	0	1	0	0	4	4	0	21	0
JAGDALPUR	0530	553	1010.6	948.4	..	19.1	16.5	14.7	16.8	76	..	3.0	..	1.8	0	0	9	00	0	4	0	1	1	1	2	22	0
	0830	553	1012.5	950.8	+0.2	22.8	18.0	14.8	17.1	63	+ 9	3.3	+1.7	3.2	0	0	15	02	2	2	2	3	1	1	2	16	0
	1130	553	1010.8	950.4	..	28.6	19.5	13.5	16.0	44	..	3.5	..	8.0	0	3	24	01	0	1	2	11	9	1	2	4	0
	1430	553	1006.8	947.1	..	31.0	19.9	12.4	15.1	36	..	3.7	..	7.0	0	0	26	03	0	1	2	8	6	3	3	5	0
	1730	553	1006.4	946.4	+0.0	30.0	19.7	12.9	15.5	39	+11	4.0	+1.3	5.4	0	1	20	00	5	1	0	5	7	1	2	10	0
	2030	553	1009.3	948.6	..	25.2	18.6	14.2	16.6	54	..	2.0	..	1.4	0	1	5	02	1	0	0	1	2	0	0	25	0
	2330	553	1010.5	949.0	..	22.7	18.0	14.9	17.2	64	..	2.2	..	3.0	0	0	8	00	2	0	1	2	2	0	1	23	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI) (CONTD.)																											
DEESA	0830	136	1013.0	997.1	+0.6	20.1	14.8	9.2	12.5	53	+ 5	1.9	+0.4	6.1	0	1	29	00	15	0	8	0	1	1	5	1	0
	1730	136	1007.6	992.4	-0.4	31.6	18.2	6.5	10.0	25	+ 2	2.5	+0.7	7.0	0	1	30	00	1	1	0	0	3	3	23	0	0
RADHANPUR	0830	30	1012.3	1008.9	+0.0	22.7	16.8	11.7	14.3	54	- 8	0.0	-0.9	2.9	0	0	30	11	2	2	1	5	1	7	1	1	0
	1730	30	..	..	..	32.2	19.3	8.6	11.9	26	- 3	0.0	-1.0	4.3	0	0	30	04	1	0	1	1	4	6	13	1	0
IDAR	0830	219	1011.4	986.5	-1.0	23.8	16.2	8.1	12.3	43	+ 9	3.3	+1.6	2.9	0	0	18	01	9	4	2	0	0	1	1	13	0
	1730	219	1007.2	983.0	-1.0	31.5	18.6	7.0	10.9	26	+ 9	3.5	+1.6	5.7	0	0	30	00	0	0	0	1	10	15	4	1	0
AHMADABAD	0230	55	1009.7	1003.2	..	22.2	15.9	10.2	13.0	50	..	1.9	..	5.5	0	0	20	05	0	1	0	0	2	3	9	11	0
	0530	55	1009.4	1002.9	..	20.4	15.4	10.6	13.5	56	..	2.0	..	5.9	0	0	19	04	3	1	1	1	1	3	5	12	0
	0830	55	1011.4	1005.0	-0.9	22.5	16.7	11.6	14.3	54	+ 7	3.8	+2.5	6.1	0	0	21	02	4	3	2	1	3	0	5	10	1
	1130	55	1011.8	1005.6	..	30.1	19.6	11.4	14.3	35	..	3.6	..	11.6	0	3	26	04	2	6	3	0	5	1	7	2	1
	1430	55	1009.0	1002.9	..	33.4	20.2	9.6	12.9	27	..	3.4	..	9.5	0	2	25	03	0	1	0	2	7	5	6	4	3
	1730	55	1007.6	1001.5	-0.6	33.0	19.8	8.8	12.3	27	+ 7	3.3	+1.9	10.5	0	2	28	07	1	0	1	1	2	8	10	1	0
	2030	55	1009.2	1003.0	..	27.0	18.2	11.1	13.7	40	..	1.9	..	6.0	0	1	15	02	1	0	1	1	3	3	5	15	0
	2330	55	1010.2	1003.9	..	24.4	17.1	10.8	13.6	45	..	2.0	..	5.3	0	1	16	02	0	0	1	0	4	4	6	14	0
DOHAD	0830	333	1011.7	973.9	-1.0	22.2	16.1	10.4	13.4	52	+15	2.6	+1.5	7.8	0	1	27	02	0	4	7	7	4	2	2	3	0
	1730	333	1006.9	970.4	-0.8	31.9	19.1	8.3	11.7	27	+11	3.1	+1.8	15.5	0	9	22	02	1	1	2	0	6	10	9	0	0
VALLABH VIDYANAGAR	0830	44	1011.2	1006.2	..	20.6	16.9	13.9	16.3	67	..	3.9	..	3.5	0	0	20	03	1	3	5	2	3	0	3	11	0
	1730	44	1007.4	1002.5	..	32.9	19.8	9.3	12.4	28	..	3.1	..	7.5	0	2	29	03	1	0	1	1	8	3	14	0	0
BARODA AERODROME	0830	38	1011.6	1007.3	-0.8	22.9	19.0	16.3	18.8	68	+20	3.2	+2.3	9.2	0	6	13	02	1	2	3	6	3	1	1	12	0
	1130	38	1011.8	1007.6	..	30.5	22.5	17.8	20.8	48	..	3.2	..	11.4	0	4	21	01	1	3	4	4	5	4	3	6	0
	1730	38	1007.6	1003.4	-0.4	33.2	23.0	17.1	19.7	42	+22	3.5	+2.4	17.2	0	10	19	01	0	1	0	1	4	14	7	2	1
BARODA	0530	34	1009.5	1005.5	..	20.9	17.1	14.0	16.4	67	..	1.8	..	1.0	0	0	9	00	0	0	0	0	6	0	3	22	0
	0830	34	1011.8	1007.7	-0.9	22.4	18.2	15.0	17.6	65	+12	3.4	+2.5	2.1	0	0	16	01	2	0	3	1	8	0	1	15	0
	1130	34	1012.0	1008.1	..	31.3	20.7	12.9	15.9	36	..	3.0	..	3.0	0	0	25	00	7	0	6	0	7	2	3	6	0
	1730	34	1007.5	1003.7	-0.4	33.9	20.6	10.5	13.4	29	+ 7	3.1	+2.1	3.2	0	0	23	00	0	0	0	0	8	2	13	8	0
	2330	34	1010.3	1006.3	..	24.9	18.6	13.5	16.3	52	..	1.2	..	1.4	0	0	11	00	0	1	0	0	5	0	5	20	0
BROACH	0830	17	..	..	..	..	..	..	..	..	..	2.7	+1.5	5.3	0	0	31	02	4	0	3	6	9	0	7	0	0
	1730	17	..	..	..	..	..	..	..	..	..	2.6	+1.5	7.2	0	0	31	02	4	0	2	1	7	7	8	0	0
SURAT	0530	12	1009.7	1008.3	..	21.6	19.3	18.1	20.5	80	..	1.3	..	7.9	0	0	31	00	5	0	14	0	7	0	5	0	0
	0830	12	1012.0	1010.6	-0.5	22.8	19.8	17.8	20.6	75	+12	2.8	+1.3	5.6	0	0	28	00	7	0	14	1	2	0	4	3	0
	1130	12	1012.4	1011.1	..	30.3	21.6	16.0	18.8	45	..	2.1	..	6.9	0	0	31	00	6	0	1	0	10	0	14	0	0
	1730	12	1008.1	1006.9	-0.2	30.9	21.7	15.9	18.5	44	+11	2.5	+1.2	11.0	0	0	31	00	0	0	0	0	18	0	13	0	0
	2330	12	1010.8	1009.4	..	24.1	20.9	18.8	22.1	74	..	1.4	..	9.3	0	0	31	00	3	0	4	0	15	0	9	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU																											
NALIYA	0830	21	1011.3	1008.9	-1.3	20.4	18.6	17.3	20.0	85	+ 3	4.0	+1.7	5.8	0	1	23	01	6	4	3	2	4	2	2	7	0
	1730	21	1008.4	1006.0	-1.6	29.3	21.1	15.5	18.3	48	+ 8	3.5	+2.0	13.3	0	7	24	03	2	0	0	1	15	7	3	0	0
BHUJ (RUDRAMATA)	0230	80	1010.0	1000.7	..	22.0	18.3	15.5	18.1	69	..	2.5	..	5.6	0	1	12	04	0	0	0	1	5	2	1	18	0
	0530	80	1009.7	1000.4	..	20.4	17.6	15.5	17.8	75	..	2.5	..	4.2	0	1	9	02	0	0	0	1	4	1	2	21	0
	0830	80	1011.7	1002.4	-0.8	21.6	18.3	15.9	18.3	72	+13	3.6	+2.6	6.1	0	2	12	02	2	0	0	0	7	1	2	17	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed K.m. per hour	No. of observations Wind Speed (K.m. p.h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SAURASHTRA AND KUTCH (INCLUDING DIU) (CONTD.)																											
BHUJ (RUDRAMATA) (CONTD.)	1130	80	1012.0	1002.9	..	28.8	19.9	13.4	16.0	42	..	2.9	..	14.9	0	7	20	09	6	1	0	0	5	2	4	4	0
	1430	80	1009.4	1000.4	..	31.1	20.1	11.6	14.5	35	..	3.7	..	15.8	0	6	20	06	4	2	2	0	4	4	4	5	0
	1730	80	1007.9	999.0	-0.7	31.6	20.1	11.2	14.1	33	+ 7	3.4	+2.3	14.9	0	10	13	04	2	1	0	0	2	5	9	8	0
	2030	80	1009.7	1000.6	..	27.3	19.5	13.5	16.3	47	..	2.3	..	12.7	0	5	20	03	2	0	0	1	3	7	9	6	0
	2330	80	1010.8	1001.6	..	24.3	18.8	14.8	17.1	58	..	1.9	..	9.9	0	4	14	02	0	0	0	0	8	3	5	13	0
KANDLA AERODROME	0830	35	1011.7	1007.7	..	23.2	18.9	15.8	18.3	65	..	3.6	..	17.2	0	11	16	04	1	1	3	3	3	0	12	4	0
	1130	35	1012.3	1008.4	..	29.1	20.4	14.6	16.9	44	..	3.6	..	19.6	0	10	20	06	5	1	2	4	4	2	6	1	0
	1730	35	1008.0	1004.0	..	32.4	21.6	14.8	16.9	40	..	3.5	..	20.6	0	11	20	02	3	1	4	4	6	5	6	0	0
NEW KANDLA	0830	14	1012.0	1010.4	-1.1	22.7	18.7	15.7	18.3	67	+ 2	4.4	+2.0	12.4	0	2	28	08	3	1	2	2	4	4	6	1	0
	1730	14	1008.8	1007.2	-1.1	29.8	20.1	12.4	15.7	40	+ 2	3.6	+1.9	20.3	0	11	20	05	5	0	2	3	11	4	1	0	0
MANDVI	0830	9	1012.0	1010.9	-0.8	22.2	19.3	17.2	19.9	75	- 5	4.3	+2.8	12.3	0	3	26	02	2	2	4	2	3	0	14	2	0
	1730	9	1009.2	1008.0	-1.2	26.6	23.2	21.3	25.6	74	- 3	3.8	+2.5	26.3	0	23	7	00	0	0	0	1	20	7	2	1	0
SURENDRANAGAR	0830	74	1011.8	1003.3	-0.6	23.5	18.3	14.1	16.7	58	- 1	4.3	+3.1	7.8	0	3	23	01	0	1	1	1	2	12	8	4	0
	1730	74	1007.6	999.2	-0.8	32.9	20.2	10.9	13.3	29	+ 6	3.6	+2.2	10.9	0	5	23	02	1	0	2	1	2	11	9	1	0
OKHA	0530	7	1009.9	1009.1	..	23.5	22.1	21.6	25.5	88	..	2.9	..	15.2	0	5	26	06	2	1	0	0	5	5	12	0	0
	0830	7	1012.0	1011.2	..	23.9	22.1	21.1	25.2	85	..	4.0	..	15.5	0	10	20	07	2	1	1	1	5	2	11	1	0
	1130	7	1012.9	1012.1	..	25.8	22.7	20.9	25.0	75	..	3.3	..	16.1	0	15	16	07	1	3	0	1	4	4	11	0	0
	1730	7	1009.5	1008.7	..	25.9	23.1	21.7	25.9	78	..	3.3	..	21.8	0	18	13	00	0	0	0	1	5	10	15	0	0
	2330	7	1011.3	1010.5	..	24.2	22.5	21.4	25.9	85	..	1.9	..	19.4	0	15	16	01	0	0	0	1	4	11	14	0	0
JAMNAGAR AERODROME	0530	20	1009.4	1007.1	..	20.1	18.7	17.8	20.5	87	..	2.0	..	12.5	0	1	29	03	1	2	2	6	6	6	4	1	0
	0830	20	1011.0	1008.7	-2.0	21.9	19.8	18.4	21.3	82	+11	3.5	+1.6	11.3	0	3	26	02	1	3	2	8	6	3	4	2	0
	1130	20	1011.7	1009.4	..	28.4	21.4	17.0	19.7	53	..	3.0	..	15.0	0	3	26	05	8	3	0	1	2	4	6	2	0
	1730	20	1008.2	1006.0	-0.8	29.8	21.6	16.0	19.0	48	+10	2.8	+1.5	19.7	0	13	17	07	1	1	0	0	0	7	14	1	0
	2330	20	1010.4	1008.0	..	22.7	21.0	20.0	23.5	85	..	1.4	..	14.8	0	6	25	02	1	0	0	1	5	11	11	0	0
DWARKA	0830	11	1011.6	1010.4	-1.7	24.2	21.6	20.1	23.7	79	+ 1	3.5	+1.7	12.5	0	4	27	10	5	2	1	0	2	4	6	0	1
	1730	11	1009.3	1008.1	-1.2	26.1	22.5	20.5	24.3	73	+ 5	2.5	+1.2	16.0	0	7	24	04	0	1	0	0	4	9	12	0	1
RAJKOT	0530	138	1009.9	994.0	..	19.4	16.7	14.5	16.8	74	..	2.8	..	10.5	0	6	21	02	2	0	1	5	4	3	10	4	0
	0830	138	1011.8	996.0	-1.1	22.0	18.8	16.5	19.1	73	+10	2.4	+0.8	11.3	0	5	19	03	1	0	2	3	4	0	11	7	0
	1130	138	1011.8	996.4	..	29.6	21.4	16.3	18.8	46	..	2.1	..	21.6	0	20	11	11	4	0	1	4	2	0	8	0	1
	1430	138	1008.8	993.5	..	32.5	22.2	15.6	18.3	39	..	2.1	..	23.0	0	4	26	07	2	0	1	1	2	0	15	1	2
	1730	138	1007.6	992.4	-0.6	32.2	21.9	15.1	17.8	39	+22	2.0	+0.6	25.3	0	20	9	08	1	0	2	0	3	0	14	2	1
BHAUNAGAR AERODROME	0830	11	1011.7	1010.5	-1.1	23.5	17.1	11.3	14.3	50	+11	3.1	+2.1	13.2	0	8	18	03	0	0	1	1	3	8	10	5	0
	1130	11	1012.2	1011.0	..	29.4	19.4	11.6	14.4	37	..	2.6	..	14.3	0	11	18	05	11	2	2	1	2	1	4	2	1
	1730	11	1007.9	1006.7	-0.7	31.7	19.8	9.8	13.4	32	+10	3.2	+1.9	21.5	0	21	10	01	4	8	10	6	1	1	0	0	0
PORBANDER AERODROME	0830	7	1011.8	1011.0	-0.7	23.1	20.3	18.4	21.6	77	+ 3	3.2	+2.1	8.8	0	3	24	06	0	3	4	1	3	0	10	4	0
	1130	7	1012.4	1011.6	..	29.7	21.9	17.0	20.0	50	..	2.4	..	16.7	0	13	18	03	2	1	1	3	8	1	8	0	4
	1730	7	1008.9	1008.1	-1.0	28.5	22.5	18.9	22.4	60	- 2	2.1	+0.7	24.1	0	26	4	02	0	0	0	0	9	17	2	1	0
KESHOD	0830	51	1011.8	1005.9	-1.5	21.9	18.3	15.4	18.1	70	+ 6	2.2	+0.9	9.4	0	3	25	06	10	2	3	1	2	2	2	3	0
	1130	51	1012.1	1006.3	..	30.3	19.7	11.2	14.3	35	..	2.0	..	17.3	0	12	19	07	6	1	0	1	4	5	7	0	0
	1730	51	1008.3	1002.5	-1.4	32.1	20.2	10.6	13.9	32	+ 2	2.1	+1.4	28.1	0	27	4	02	1	0	0	0	6	19	3	0	0
MAHUVA	0830	9	1010.7	1009.7	..	21.1	17.6	15.1	17.3	70	..	3.4	..	2.5	0	0	20	11	2	2	0	0	0	1	4	11	0
	1730	9	1008.4	1007.4	..	28.6	23.2	20.3	24.0	64	..	3.4	..	9.4	0	3	27	01	2	0	11	5	9	2	0	1	0
VERAVAL	0230	8	1010.0	1009.1	..	22.6	20.7	19.5	22.9	84	..	1.4	..	12.5	0	9	18	14	2	0	0	0	3	2	6	4	0
	0530	8	1009.6	1008.7	..	21.5	19.6	18.3	21.3	83	..	1.8	..	12.8	0	5	23	16	4	0	0	1	2	1	4	3	0
	0830	8	1011.7	1010.8	-1.1	22.5	20.2	18.7	21.8	81	+18	2.8	+1.6	9.6	0	6	16	12	4	0	1	1	1	1	2	9	0
	1130	8	1012.3	1011.4	..	28.8	23.9	21.1	25.6	67	..	2.0	..	15.9	0	10	20	03	3	0	0	4	4	11	5	1	0
	1430	8	1009.8	1008.9	..	28.2	24.9	23.4	28.8	76	..	2.2	..	25.2	0	26	5	01	0	0	0	2	8	16	4	0	0
	1730	8	1008.8	1007.9	-0.6	27.3	24.4	23.0	28.3	79	+ 6	2.1	+1.2	25.0	0	23	8	01	1	0	0	1	8	16	4	0	0
	2030	8	1010.4	1009.5	..	25.4	23.5	22.4	27.3	84	..	1.1	..	18.6	0	17	13	01	1	0	0	0	6	13	9	1	0
	2330	8	1011.3	1010.4	..	24.1	22.0	20.7	24.7	83	..	1.4	..	12.6	0	9	20	09	1	0	0	2	2	5	10	2	0
DIU	0830	15	1012.2	1010.5	..	24.0	20.0	17.2	20.1	68	..	2.0	..	4.9	0	2	22	06	5	0	0	3	1	2	7	7	0
	1730	15	1009.8	1008.1	..	27.0	23.3	21.3	25.6	72	..	1.5	..	16.1	0	9	21	00	0	0	0	3	13	13	1	1	0
KONKAN (INCLUDING GOA)																											
DAHANU	0830	5	1010.9	1010.4	-0.9	25.6	23.6	22.9	27.4	84	+16	.	..	11.5	0	0	31	01	1	10	2	0	13	4	0	0	0
	1730	5	1007.9	1007.4	-0.8	28.5	25.9	24.6	31.3	78	+11	.	..	12.7	0	1	25	08	0	0	0	2	5	7	4	0	0
BOMBAY (SANTACRUZ)	0230	14	1009.8	1008.1	.	23.6	20.9	19.3	22.5	78	..	1.3	..	3.5	0	0	12	07	0	0	0	1	1	1	2	19	0
	0530	14	1009.7	1008.0	..	22.7	20.4	19.1	22.1	81	..	1.6	..	2.7	0	1	11	04	2	3	2	1	0	0	0	19	0
	0830	14	1011.8	1010.1	-0.2	25.5	21.3	18.8	21.8	68	+ 3	2.1	+0.6	3.6	0	0	17	03	2	5	5	1	0	0	1	14	0
	1130	14	1012.0	1010.3	..	30.8	22.8	18.3	21.1	49	..	2.4	..	10.7	0	1	26	03	2	0	0	1	1	12	8	4	0
	1430	14	1009.3	1007.7	..	31.0	23.4	19.3	22.5	51	..	1.8	..	17.7	0	13	18	02	0	0	0	0	1	13	15	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MARCH 1967. (PHALGUNA 10, 1888 SAKA – CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gram. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KONKAN (INCLUDING GOA) (CONTD.)																											
BOMBAY (SANTACRUZ). (CONTD.)	1730	14	1008.4	1006.8	-0.3	29.6	23.0	19.4	22.7	55	+ 5	1.9	+0.7	17.4	0	10	21	03	0	0	0	0	0	10	18	0	0
	2030	14	1010.1	1008.5	..	26.5	22.4	20.2	23.8	69	..	1.1	..	8.6	0	0	26	07	0	0	0	0	3	4	12	5	0
	2330	14	1011.0	1009.3	..	24.7	21.5	19.6	22.9	74	..	1.1	..	3.0	0	0	15	04	4	0	2	0	1	1	3	16	0
BOMBAY	0830	11	1011.6	1010.4	-0.3	25.7	22.6	20.9	25.0	75	+ 3	2.1	+0.8	7.6	0	0	29	06	2	9	8	1	0	0	3	2	0
	1130	11	1012.0	1010.8	..	29.9	23.7	20.4	24.3	58	..	1.6	..	8.5	0	0	30	02	1	2	4	2	3	5	10	1	1
	1730	11	1008.5	1007.3	-0.3	28.9	23.9	21.4	25.6	64	+ 1	1.3	+0.4	16.1	0	7	24	02	0	0	0	0	1	9	19	0	0
ALIBAG	0830	7	1011.7	1010.9	-0.5	25.1	21.7	19.8	23.2	74	+ 3	2.4	+1.2	5.5	0	0	26	05	6	11	4	0	0	0	0	5	0
BHIRA	0830	96	1011.3	1000.3	..	23.6	19.3	16.5	18.9	66	..	1.5	..	1.4	0	0	9	00	0	1	3	3	1	0	1	22	0
	1730	96	1007.1	996.6	..	34.7	23.6	17.0	20.0	37	..	0.9	..	3.5	0	0	30	00	2	0	0	0	25	1	2	1	0
HARNAI	0830	20	1011.4	1009.1	+0.0	26.1	22.4	20.3	24.1	71	+ 2	2.6	+0.9	9.0	0	2	25	05	7	8	5	2	0	0	0	4	0
	1730	20	1008.5	1006.2	-0.1	28.2	24.7	23.1	28.3	75	+ 0	1.8	+0.1	24.7	0	17	14	10	0	0	0	0	1	5	15	0	0
RATNAGIRI	0830	35	1011.7	1007.7	+0.1	25.1	22.2	20.7	24.4	77	+ 3	1.8	-0.2	6.4	0	0	28	00	2	10	9	0	0	0	1	3	6
	1730	35	1008.4	1004.4	+0.1	29.9	24.1	21.3	25.3	60	- 4	1.3	-0.6	10.1	0	0	31	00	0	0	0	0	2	15	13	0	1
DEVGARH	0830	36	1011.3	1007.3	-0.4	25.4	22.4	20.8	24.6	76	- 1	2.2	-0.3	7.5	0	0	30	03	8	17	1	0	0	0	1	1	0
	1730	36	1008.2	1004.2	-0.3	30.1	24.7	22.1	26.6	63	- 5	1.6	-0.3	24.7	0	23	8	01	0	0	0	0	0	16	14	0	0
VENGURLA	0230	9	1010.1	1009.1	..	23.5	21.6	20.6	24.1	85	..	0.5	..	0.8	0	0	6	04	0	2	0	0	0	0	0	25	0
	0530	9	1009.6	1008.6	..	22.5	21.0	20.2	23.5	87	..	1.1	..	1.4	0	0	13	11	1	0	1	0	0	0	0	18	0
	0830	9	1012.1	1011.1	+0.0	25.1	22.2	20.5	24.4	75	+ 0	1.3	-0.6	3.5	0	0	25	09	9	2	2	2	0	0	1	6	0
	1130	9	1012.2	1011.2	..	30.8	23.6	19.7	23.2	53	..	1.0	..	6.7	0	4	27	00	0	1	0	3	15	12	0	0	0
	1730	9	1008.4	1007.4	-0.3	29.7	24.2	21.5	25.6	62	+ 0	0.9	-0.7	7.7	0	0	31	01	0	0	0	0	1	25	4	0	0
	2330	9	1011.0	1010.0	..	25.0	22.4	21.1	25.0	79	..	0.4	..	2.2	0	0	14	06	2	0	1	0	0	0	5	17	0
PANJIM	0530	60	1009.5	1002.6	..	23.9	22.0	21.0	25.0	84	..	1.9	..	5.3	0	0	25	04	8	9	2	0	1	0	1	6	0
	0830	60	1011.7	1004.9	..	25.3	22.3	20.8	24.4	77	..	1.8	..	5.0	0	0	25	01	11	8	2	1	1	1	0	6	0
	1130	60	1011.9	1005.2	..	30.7	23.4	19.2	22.8	52	..	2.1	..	9.4	0	0	30	00	0	2	1	2	7	16	2	1	0
	1430	60	1009.1	1002.4	..	31.4	23.9	19.9	23.5	51	..	1.5	..	17.6	0	11	20	00	0	0	0	1	17	13	0	0	0
	1730	60	1008.2	1001.5	..	29.8	23.9	20.9	24.7	59	..	1.8	..	14.1	0	5	26	00	0	0	0	0	6	15	10	0	0
	2030	60	1009.8	1003.0	..	27.3	23.4	21.4	25.6	70	..	1.3	..	8.5	0	3	25	03	0	0	0	0	0	7	18	3	0
	2330	60	1010.8	1004.0	..	26.3	23.0	21.3	25.3	75	..	1.6	..	4.3	0	0	20	11	1	0	0	0	0	0	8	11	0
MORMUGAO	0530	62	1008.7	1001.7	..	25.2	22.8	21.6	25.8	81	..	1.6	..	10.3	0	1	30	04	12	8	3	1	2	0	1	0	0
	0830	62	1011.0	1004.0	-0.8	26.7	23.0	21.0	25.0	72	- 1	2.3	-0.1	8.8	0	1	29	02	12	10	2	1	1	1	1	1	0
	1130	62	1011.4	1004.5	..	29.1	23.5	20.5	24.4	61	..	1.6	..	10.8	0	0	31	00	0	1	0	4	2	8	16	0	0
	1730	62	1007.5	1000.6	-0.7	29.1	24.3	21.9	26.4	66	- 3	1.5	-0.5	16.8	0	8	23	01	0	0	0	0	3	12	15	0	0
DABOLIM (NAVAL AIR STN.)	0530	52	1009.6	1003.7	..	24.6	22.3	21.1	25.0	81	..	2.5	..	..	.	..	..	01	12	8	4	1	0	3	0	2	0
	0830	52	1011.9	1006.1	..	26.5	22.6	20.3	24.1	70	..	2.3	..	..	.	..	..	00	5	9	6	1	1	2	1	6	0
	1130	52	1012.2	1006.4	..	29.6	23.2	19.7	23.2	57	..	2.0	..	..	.	..	..	05	1	0	0	1	7	7	10	0	0
	1730	52	1008.2	1002.4	..	29.5	23.9	21.1	25.0	61	..	1.6	..	..	.	..	..	03	0	0	0	0	0	10	18	0	0
	2330	52	1010.7	1004.9	..	27.0	23.5	21.8	25.9	74	..	1.9	..	..	.	..	..	16	5	0	0	0	0	1	5	4	0
MADHYA MAHARASHTRA																											
NANDURBAR	0830	206	1012.1	988.7	-0.6	24.4	18.3	13.8	16.1	55	+ 9	0.2	-0.7	6.6	0	1	29	00	0	7	1	2	14	3	3	1	0
	1730	206	1007.4	984.9	+0.1	33.8	22.1	14.5	17.0	34	+14	0.6	-0.6	7.7	0	0	31	01	1	2	0	2	9	4	12	0	0
JALGAON	0830	201	1011.7	988.7	-0.1	23.3	15.9	8.8	12.0	46	+ 8	3.0	+2.0	11.9	0	6	22	01	1	5	4	3	5	5	4	3	0
	1730	201	1006.0	984.0	-0.4	35.0	19.4	5.8	9.8	19	+ 6	2.5	+1.0	13.9	0	7	22	01	2	0	1	0	3	12	10	2	0
MALEGAON	0830	437	1012.7	963.3	+0.2	22.0	15.2	8.9	11.8	45	+10	4.4	+3.3	5.3	0	0	31	04	1	1	1	3	3	11	7	0	0
	1730	437	1005.8	958.6	-0.2	33.7	19.7	7.9	11.5	24	+ 6	5.1	+3.2	11.4	0	4	27	03	4	2	0	1	2	8	11	0	0
OZAR	0530	608	1010.7	942.0	..	18.0	13.3	8.8	11.9	58	..	1.8	..	10.4	0	2	22	00	1	0	0	0	4	12	7	7	0
	0830	608	1011.8	944.1	..	22.4	15.6	10.0	12.8	48	..	2.5	..	7.7	0	1	20	02	0	0	1	2	2	9	5	10	0
	1130	608	1010.1	944.2	..	30.1	17.8	8.5	11.4	28	..	2.6	..	12.3	0	2	28	01	2	6	5	4	1	5	6	1	0
	1430	608	1006.3	941.2	..	33.0	18.5	7.3	10.7	22	..	3.1	..	15.9	0	12	17	01	3	0	3	3	3	10	6	2	0
	1730	608	1005.5	940.2	..	32.1	18.1	7.1	10.5	23	..	2.6	..	23.4	0	21	9	01	1	1	1	1	3	13	9	1	0
AHMADNAGAR	0830	657	1011.9	939.1	+0.0	23.3	16.0	10.3	12.9	45	+11	2.5	+1.5	4.2	0	0	19	01	3	0	2	1	2	0	10	12	0
	1730	657	1004.2	934.5	-0.5	34.0	19.7	10.6	12.5	24	+ 7	4.2	+2.1	7.9	0	1	27	04	6	0	1	0	5	0	12	3	0
POONA AERODROME	0230	593	1010.1	943.8	..	20.8	15.7	11.7	14.1	58	..	0.6	..	7.6	0	0	24	00	0	0	0	0	0	22	2	7	0
	0530	593	1010.4	943.6	..	19.2	14.7	11.3	13.5	62	..	0.5	..	4.2	0	0	16	00	0	0	0	0	0	13	3	15	0
	0830	593	1011.9	945.5	..	21.8	16.2	11.9	13.9	56	..	1.7	..	5.7	0	0	20	00	1	2	0	0	1	15	1	11	0
	1130	593	1010.1	945.6	..	30.1	17.7	8.1	11.2	27	..	1.8	..	11.0	0	3	27	01	2	9	3	0	1	9	3	1	2
	1730	593	1005.0	941.4	..	32.6	18.4	7.4	9.6	23	..	2.6	..	19.8	0	19	10	00	2	2	0	0	0	21	4	2	0
	2330	593	1010.5	944.6	..	23.4	16.9	12.5	14.5	52	..	0.8	..	13.7	0	5	23	00	0	0	0	0	0	25	3	3	0
POONA	0530	559	1010.9	947.5	..	18.0	14.0	10.7	13.1	64	..	0.6	..	0.3	0	0	2	00	0	0	0	0	0	1	1	29	0
	0830	559	1012.2	949.7	-0.1	22.2	16.6	12.8	14.8	56	+12	1.5	+0.6	1.5	0	0	8	01	0	2	0	0	1	4	0	23	0
	1130	559	1010.2	949.4	..	30.5	18.6	10.2	12.7	30	..	1.6	..	5.4	0	0	27	04	1	12	2	1	0	4	3	4	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — MARCH 1967.(PHALGUNA 10,1888 SAKA - CHAITRA 10,1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.) 62 or more	Wind Speed (Km. p. h.) 20 to 61	Wind Speed (Km. p. h.) 1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD.)																											
POONA..(CONTD.)........	1430	559	1006.1	946.2	..	33.9	19.3	9.1	11.7	23	..	3.1	..	6.4	0	1	26	02	2	5	1	0	3	12	2	4	0
	1730	559	1005.3	945.3	-0.3	32.8	19.2	10.4	12.3	26	+ 6	2.7	+0.9	10.7	0	2	26	00	0	3	0	0	1	21	3	3	0
	2030	559	1009.1	947.7	..	27.0	18.9	13.7	15.9	46	..	0.8	..	9.3	0	1	26	00	0	0	0	0	0	24	3	4	0
	2330	559	1010.6	948.5	..	23.4	17.2	12.9	15.1	53	..	0.9	..	2.5	0	0	9	00	0	0	0	0	0	9	0	22	0
JEUR................	0830	521	1011.3	953.2	-0.4	23.6	16.2	10.9	13.0	45	+ 3	1.5	+0.3	4.8	0	1	23	06	4	3	1	2	1	2	5	7	0
	1730	521	1004.1	948.5	-0.5	35.4	19.3	7.8	10.6	19	- 5	3.5	+1.2	11.0	0	4	27	05	2	3	3	5	4	3	6	0	0
BARAMATI..............	0830	551	1012.2	950.7	-0.2	22.8	17.0	12.8	15.2	55	+10	0.2	-0.9	5.4	0	0	31	10	2	2	1	2	6	5	3	0	0
	1730	551	1004.5	945.7	-0.5	34.5	20.5	11.5	13.9	25	+ 3	1.6	-0.5	10.4	0	3	28	02	2	3	4	5	4	3	8	0	0
SHOLAPUR..............	0530	479	1009.5	955.9	..	22.7	15.8	10.3	12.9	47	..	0.9	..	6.0	0	0	25	05	3	3	4	2	1	5	2	6	0
	0830	479	1011.4	958.1	-0.2	24.9	17.1	11.5	13.7	44	+ 8	1.4	+0.3	6.9	0	0	27	02	9	2	3	2	1	3	5	4	0
	1130	479	1009.8	957.8	..	32.5	19.9	11.8	13.9	29	..	0.6	..	9.0	0	0	30	06	3	3	2	7	3	3	3	1	0
	1430	479	1005.8	954.5	..	35.3	20.2	10.0	12.6	22	..	2.9	..	7.1	0	0	27	01	5	3	2	2	7	5	2	4	0
	1730	479	1004.5	953.3	-0.3	35.2	20.0	9.7	12.3	22	+ 3	2.3	-0.1	5.7	0	1	29	06	1	5	4	1	7	5	1	1	0
	2330	479	1009.0	956.3	..	27.6	17.3	9.6	12.2	34	..	1.9	..	7.8	0	0	28	02	1	3	3	8	2	3	6	3	0
MIRAJ................	0830	554	1012.2	950.3	+0.2	22.0	17.9	15.3	17.5	67	+13	1.5	+0.4	..	[illegible]	[illegible]	4	00	0	0	0	0	0	4	0	27	0
	1730	554	1005.0	945.8	+0.2	33.8	21.8	15.2	17.3	33	+ 8	3.2	+0.9	..	0	[illegible]	24	00	0	6	0	0	0	13	1	11	0
KOLHAPUR..............	0530	570	1010.1	946.1	..	19.5	16.7	14.8	16.9	76	..	0.9	..	3.4	0	0	16	00	2	3	0	1	0	10	0	15	0
	0830	570	1011.7	948.0	-0.5	21.5	17.8	15.3	17.6	69	+14	1.0	-0.3	3.2	0	0	18	01	4	0	0	0	0	13	0	13	0
	1130	570	1010.1	948.3	..	30.3	19.0	11.9	13.7	32	..	0.9	..	9.1	0	1	29	01	9	5	1	0	2	11	1	1	0
	1730	570	1005.2	944.1	-0.1	32.7	19.9	11.5	13.8	29	+ 3	2.2	+0.4	17.5	0	13	16	01	1	5	0	0	4	16	2	2	0
	2330	570	1010.2	947.0	..	23.3	19.0	16.2	18.8	66	..	0.7	..	8.0	0	0	30	00	5	2	0	0	1	22	0	1	0
UDGIRI................	0830		..	..	..	22.3	14.6	6.9	11.0	44	..	1.3	..	6.3	0	0	29	07	10	3	3	0	0	2	4	2	0
	1730		..	..	..	25.9	18.9	14.3	15.8	51	..	1.5	..	6.8	0	0	31	00	0	1	0	1	20	8	1	0	0
MARATHWADA																											
AURANGABAD............	0830	581	1011.9	947.5	-0.2	24.2	16.2	10.0	12.6	43	+10	2.4	+1.3	5.4	0	2	18	02	6	5	0	1	1	4	1	11	0
	1730	581	1005.1	943.0	-0.6	33.5	19.1	8.7	11.5	23	+ 5	3.7	+1.7	8.7	0	2	28	03	1	1	0	2	6	10	7	1	0
AURANGABAD(CHIKALTHAN).......	0230	579	1009.6	944.8	..	21.2	14.4	8.5	11.5	46	..	2.4	..	9.0	0	2	19	03	0	4	1	0	0	7	6	10	0
	0530	579	1010.3	945.0	..	18.7	13.0	7.6	10.9	51	..	1.9	..	2.6	0	0	8	00	0	2	1	0	0	3	2	23	0
	0830	579	1011.4	947.1	-0.4	23.8	16.3	10.1	13.0	45	+ 8	2.9	+1.9	8.6	0	0	24	05	0	4	0	0	1	8	6	7	0
	1130	579	1009.9	947.0	..	30.6	19.4	11.6	14.3	34	..	2.6	..	13.0	0	1	30	01	3	8	4	2	2	4	7	0	0
	1430	579	1006.0	943.9	..	33.3	20.3	11.9	14.3	29	..	3.9	..	15.5	0	6	25	03	1	1	1	2	5	7	11	0	0
	1730	579	1004.7	942.7	-0.7	33.3	20.0	11.2	13.7	28	+ 4	3.7	+1.6	15.1	0	4	26	05	0	0	1	1	5	9	9	1	0
	2030	579	1008.0	944.6	..	27.3	17.2	9.0	12.3	35	..	2.8	..	11.2	0	2	24	12	1	0	0	0	2	7	4	5	0
	2330	579	1010.0	945.7	..	23.6	15.2	8.3	11.2	41	..	2.3	..	11.2	0	3	21	06	1	2	1	0	0	8	6	7	0
PARBHANI..............	0830	423	1011.9	964.5	-0.3	24.3	16.0	9.2	11.5	41	+ 7	1.6	+0.3	8.1	0	2	28	04	3	4	3	4	3	7	2	1	0
	1730	423	1005.0	959.6	-0.6	35.2	19.4	5.4	9.7	18	+ 0	3.5	+1.2	7.3	0	1	27	05	2	2	2	1	1	11	4	3	0
NANDER................	0830	358	1011.3	971.3	..	26.1	19.2	14.5	16.6	50	..	0.8	..	3.0	0	0	19	03	1	3	1	5	0	6	0	12	0
	1730	358	1008.0	969.2	..	35.7	23.3	16.0	18.5	32	..	0.0	..	3.4	0	0	21	01	0	7	0	0	4	9	0	10	0
BIR...................	0830	519	1012.2	954.3	..	23.9	17.4	13.1	15.1	52	..	0.9	..	4.8	0	0	21	00	6	0	4	0	3	0	8	10	0
	1730	519	1004.8	949.3	..	34.7	20.5	11.5	13.7	25	..	2.1	..	6.5	0	0	29	00	2	0	4	0	3	0	20	2	0
VIDARBHA																											
GONDIA................	0830	313	1012.3	976.8	-0.2	23.3	17.4	12.7	15.1	54	+10	2.0	+0.3	2.2	0	0	21	01	3	0	3	2	3	0	4	10	5
	1730	313	1006.4	972.1	-0.4	31.5	20.1	10.8	14.3	34	+14	3.4	+1.4	3.5	0	0	26	04	2	0	2	0	11	0	4	5	3
NAGPUR(SONEGAON)........	0230	310	1009.3	974.0	..	21.2	16.5	12.4	15.0	61	..	2.5	..	3.4	0	0	18	02	4	3	1	2	2	2	2	13	0
	0530	310	1010.0	974.5	..	19.5	15.7	12.1	14.8	66	..	2.1	..	2.7	0	0	18	03	4	1	3	0	0	1	6	13	0
	0830	310	1012.0	977.0	-0.1	24.4	17.7	12.2	14.9	51	+11	2.3	+0.6	5.0	0	0	28	05	5	7	7	1	1	0	2	3	0
	1130	310	1010.9	976.6	..	30.9	20.4	12.8	15.5	36	..	2.6	..	7.0	0	2	27	02	3	3	7	7	3	4	0	2	0
	1430	310	1006.9	973.1	..	33.6	20.9	11.7	14.3	29	..	3.7	..	8.5	0	1	29	01	2	1	2	4	10	6	4	1	0
	1730	310	1006.0	972.0	-0.3	31.7	20.0	11.0	13.8	33	+ 9	3.8	+1.4	8.2	0	2	28	04	4	2	4	3	4	2	7	1	0
	2030	310	1009.0	974.2	..	26.0	18.4	12.6	15.0	47	..	2.4	..	7.2	0	2	25	04	2	4	4	4	2	3	4	4	0
	2330	310	1010.1	975.0	..	23.6	17.6	12.8	15.3	56	..	2.3	..	5.0	0	1	23	04	2	5	2	2	3	3	3	7	0
AMRAOTI...............	0830	370	1011.6	970.0	-0.1	24.6	16.8	9.4	12.8	44	+11	2.1	+0.7	3.3	0	0	28	02	7	6	3	2	4	3	1	3	0
	1730	370	1005.7	965.5	-0.2	33.2	19.6	8.0	11.8	25	+ 0	3.3	+0.6	4.5	0	0	31	03	1	1	1	4	5	8	8	0	0
AKOLA AERODROME.........	0530	309	1009.0	973.8	..	21.1	14.8	8.3	11.7	48	..	2.0	..	5.7	0	0	31	04	4	5	6	3	5	1	3	0	0
	0830	309	1011.0	976.1	..	23.8	16.4	9.8	12.7	45	..	3.1	..	5.8	0	0	31	03	7	3	5	2	4	5	2	0	0
	1130	309	1010.3	976.2	..	30.8	19.4	10.4	13.2	31	..	3.1	..	6.1	0	0	29	04	4	2	3	5	2	5	4	2	0
	1430	309	1006.3	972.7	..	34.6	20.1	8.5	11.7	23	..	3.6	..	7.3	0	0	31	06	6	1	2	1	6	6	3	0	0
	1730	309	1005.1	971.5	..	34.0	19.7	8.3	11.3	23	..	3.7	..	7.0	0	1	29	04	2	1	3	2	2	8	8	1	0
	2030	309	1007.3	973.0	..	29.1	17.8	8.1	11.2	29	..	2.8	..	6.6	0	1	25	01	1	3	0	2	0	5	14	5	0
	2330	309	1008.7	974.0	..	25.9	16.8	8.4	11.8	37	..	2.5	..	6.9	0	0	31	06	7	3	5	2	1	2	5	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or bt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA (CONTD)																											
AKOLA	0830	282	1011.7	979.8	+0.1	23.6	16.4	9.9	12.8	47	+13	2.5	+1.4	1.7	0	0	21	02	4	7	0	1	1	5	1	10	0
	1730	282	1005.3	974.7	-0.3	34.7	20.3	9.0	12.1	24	+ 6	3.5	+1.8	1.9	0	0	23	01	1	2	2	1	9	1	6	8	0
BRAMHAPURI	0830	229	1012.4	986.2	-0.5	22.8	18.7	15.7	18.3	67	+13	3.0	+1.1	2.9	0	1	24	02	1	4	8	6	2	1	1	6	0
	1730	229	1006.6	981.5	-0.9	33.0	21.8	14.1	16.9	36	+10	3.9	+1.8	5.7	0	0	30	04	3	0	5	10	3	2	3	1	0
BULDANA	0830	650	1011.4	939.4	+0.1	23.4	16.5	11.2	13.7	50	+ 8	2.4	+1.0	8.7	0	2	25	03	1	2	2	2	8	0	9	4	0
	1730	650	1005.0	935.2	-0.8	31.3	19.2	10.5	13.4	31	+ 4	4.0	+1.8	5.9	0	0	28	02	5	0	1	0	2	0	18	3	0
YEOTMAL	0830	451	1011.2	960.9	-0.3	24.9	16.9	9.8	12.8	44	+ 7	2.8	+0.5	8.5	0	1	30	03	3	6	7	3	5	2	2	0	0
	1730	451	1005.1	956.4	-0.6	32.9	18.7	5.6	10.0	23	- 1	4.1	+1.2	8.3	0	2	26	07	2	2	1	1	2	7	6	3	0
CHANDRAPUR	0830	193	1011.7	989.7	-0.2	23.7	18.9	15.5	17.8	63	+17	3.0	+1.6	4.4	0	0	30	02	5	9	10	3	1	0	0	1	0
	1730	193	1006.1	984.8	-0.5	32.9	20.5	11.0	14.0	32	+ 8	3.5	+1.4	6.4	0	1	30	06	3	7	5	4	1	1	4	0	0
PUSAD	0830	334	1012.5	974.7	..	23.2	17.1	12.2	14.6	53	..	2.1	..	3.0	0	0	18	01	1	3	1	0	5	1	6	13	0
	1730	334	1006.6	970.3	..	34.2	20.8	11.3	13.7	27	..	4.0	..	3.7	0	0	27	00	6	1	1	1	10	1	7	4	0
SIRONCHA	0830	123	1012.8	998.7	+0.2	24.5	20.4	17.9	20.6	68	+11	2.6	+0.9	2.4	0	0	27	00	6	1	17	1	0	0	0	4	0
	1730	123	1007.1	993.5	+0.3	34.0	22.0	14.2	16.6	33	+10	2.9	+0.9	2.3	0	0	28	00	2	5	4	2	12	0	3	3	0
WARDHA	0830	283	1011.8	979.8	..	25.2	17.5	10.5	13.7	46	..	2.3	..	3.0	0	0	31	02	6	6	6	4	2	1	2	0	0
	1730	283	1005.9	975.0	..	33.6	19.3	7.2	10.8	23	..	3.6	..	6.0	0	0	31	05	1	1	3	5	4	5	7	0	0
BHANDARA	0830		..	..	..	23.9	18.3	13.6	16.5	56	..	.	..	3.0	0	0	24	00	3	3	13	3	1	0	1	7	0
	1730		..	..	..	32.8	20.0	10.3	12.9	28	..	.	..	5.0	0	0	30	02	5	1	5	3	8	1	4	1	1
COASTAL ANDHRA PRADESH																											
KALINGAPATAM	0830	6	1013.2	1012.2	+0.8	26.1	22.9	21.3	25.3	75	- 4	2.0	-0.7	9.9	0	8	22	02	0	0	0	9	5	0	2	0	9
	1730	6	1008.9	1008.3	+0.4	27.6	24.0	22.2	26.9	72	+ 0	2.0	-0.9	15.4	0	1	29	05	0	0	0	7	6	3	7	0	2
VISHAKHAPATNAM	0230	3	1010.4	1010.0	..	23.5	22.4	21.8	26.3	90	..	1.7	..	2.1	0	0	17	01	0	1	1	0	5	4	5	14	0
	0530	3	1010.7	1010.3	..	22.6	21.4	20.8	24.6	85	..	2.2	..	1.8	0	0	15	01	1	0	0	0	1	3	7	16	2
	0830	3	1013.0	1012.6	+0.6	26.4	22.8	20.9	24.9	72	- 2	2.6	+0.5	5.0	0	1	23	01	0	1	2	3	6	4	6	7	1
	1130	3	1012.7	1012.3	..	30.5	24.3	21.1	25.3	59	..	3.1	..	13.6	0	10	20	01	0	0	3	10	12	2	1	1	1
	1430	3	1009.9	1009.5	..	30.5	24.4	21.3	25.6	60	..	3.3	..	18.2	0	16	15	01	0	1	4	12	11	1	1	0	0
	1730	3	1009.6	1009.2	+0.7	27.8	24.0	22.3	26.7	72	+ 1	3.8	+1.6	13.0	0	3	28	01	0	2	3	9	11	0	4	0	1
	2030	3	1011.6	1011.2	..	26.0	24.0	23.1	28.3	84	..	2.0	..	4.0	0	0	24	01	1	1	2	3	11	3	2	7	0
	2330	3	1011.8	1011.4	..	24.8	23.2	22.4	27.1	87	..	1.0	..	2.4	0	0	16	01	0	0	1	0	5	5	2	15	2
KAKINADA	0830	8	1013.2	1012.3	+0.4	27.0	23.6	22.0	26.5	74	+ 1	3.5	+1.2	6.0	0	0	29	01	4	0	8	0	12	1	3	2	0
	1730	8	1009.2	1008.3	+0.5	29.3	23.8	21.2	25.0	64	+ 2	2.5	+1.2	12.4	0	2	27	00	2	0	20	6	1	0	0	2	0
NIDADAVOLE	0830	12	1013.1	1011.7	-0.1	25.2	23.0	21.8	26.3	81	+ 5	3.8	+0.0	3.7	0	0	26	05	8	7	1	1	0	2	2	5	0
	1730	12	1009.4	1008.0	+0.2	29.5	23.0	19.5	22.7	55	+ 3	2.9	+0.3	5.0	0	0	31	00	1	5	7	4	14	0	0	0	0
RENTACHINTALA	0830	106	1012.0	1000.0	+0.4	25.9	21.6	19.2	22.2	69	+ 6	1.6	-0.6	1.3	0	0	20	00	0	2	0	13	1	4	0	11	0
	1730	106	1007.0	995.4	+0.5	34.6	22.5	15.0	17.0	33	+ 5	1.5	-0.8	2.6	0	0	31	01	0	5	0	23	0	2	0	0	0
GANNAVARAM	0230	24	1009.9	1007.2	..	22.8	21.8	21.3	25.3	91	..	1.3	..	3.4	0	0	14	02	1	5	3	2	0	1	0	17	0
	0530	24	1010.3	1007.5	..	22.3	21.5	21.2	25.1	93	..	2.4	..	2.8	0	0	13	02	0	8	1	1	0	0	1	18	0
	0830	24	1012.7	1010.0	+0.3	25.8	23.4	22.1	26.7	81	+ 5	4.1	+1.3	7.0	0	2	22	00	2	5	7	9	1	0	0	7	0
	1130	24	1012.3	1009.6	..	30.3	23.6	19.9	23.5	54	..	2.8	..	12.1	0	4	27	00	1	3	5	19	1	2	0	0	0
	1430	24	1009.1	1006.4	..	32.5	23.1	17.6	20.5	44	..	2.6	..	13.3	0	5	26	00	1	3	10	14	2	0	1	0	0
	1730	24	1008.8	1006.1	-0.2	30.4	23.1	19.1	22.4	53	+ 9	2.2	+0.6	14.1	0	4	27	00	0	3	13	13	1	0	1	0	0
	2030	24	1010.9	1008.1	..	25.5	22.5	20.9	24.7	77	..	1.4	..	6.6	0	0	27	00	0	4	9	12	1	0	1	4	0
	2330	24	1011.4	1008.6	..	23.8	22.2	21.3	25.5	86	..	1.2	..	4.3	0	0	19	00	1	4	4	8	0	0	2	12	0
MASULIPATAM	0830	3	1012.6	1012.3	+0.2	25.7	23.7	22.4	27.1	82	+ 4	5.0	+2.3	2.4	0	0	19	03	0	4	3	7	0	0	1	12	1
	1730	3	1009.2	1008.9	+0.4	28.1	23.6	21.3	25.3	68	+ 1	3.6	+2.4	4.5	0	0	31	00	0	12	8	4	4	0	0	0	3
ONGOLE	0830	12	1012.2	1010.9	-0.1	27.4	24.4	22.8	27.7	76	- 3	3.3	+1.0	3.3	0	0	31	02	0	1	25	0	3	0	0	0	0
	1730	12	1008.6	1007.3	+0.2	29.2	25.0	22.9	27.9	69	- 3	2.3	+0.8	4.9	0	0	31	00	1	1	29	0	0	0	0	0	0
NELLORE	0530	20	1010.3	1008.0	..	22.9	22.4	22.2	26.6	96	..	3.2	..	3.2	0	0	18	00	0	2	16	0	0	0	0	13	0
	0830	20	1012.3	1010.1	+0.2	26.5	23.9	22.7	27.6	79	+ 5	4.2	+1.9	5.3	0	0	28	00	0	0	27	0	0	0	1	3	0
	1130	20	1012.1	1009.9	..	31.3	25.1	22.2	26.7	59	..	3.3	..	9.6	0	0	31	00	3	1	21	4	1	0	1	0	0
	1430	20	1009.2	1007.0	..	32.4	25.3	21.7	26.4	54	..	2.9	..	9.9	0	1	30	00	5	3	22	0	1	0	0	0	0
	1730	20	1009.0	1006.8	+0.8	29.9	25.2	23.5	28.3	68	+ 9	4.0	+2.0	10.3	0	0	31	00	3	0	28	0	0	0	0	0	0
	2330	20	1011.4	1009.2	..	24.8	23.7	23.1	28.3	90	..	2.6	..	4.8	0	0	23	00	0	3	16	0	4	0	0	8	0
TELANGANA																											
RAMGUNDAM	0830	156	1011.6	994.2	-0.1	25.1	21.0	18.6	21.6	68	+16	2.0	-0.1	4.5	0	1	28	01	2	2	12	6	2	2	2	2	0
	1730	156	1006.9	989.7	+0.4	33.4	22.2	14.8	17.6	35	+12	2.8	+0.3	3.2	0	0	31	01	9	0	11	8	2	0	0	0	0
NIZAMABAD	0830	381	1011.3	968.9	+0.2	25.6	19.0	14.3	16.6	52	+10	1.3	-0.1	1.5	0	0	13	01	4	1	3	0	2	0	2	18	0
	1730	381	1005.7	964.2	-0.3	33.5	20.4	10.5	13.2	27	+ 6	1.7	-0.5	2.4	0	0	18	00	8	1	3	0	1	1	4	13	0
HANAMKONDA	0830	269	1011.9	981.5	-0.2	23.5	20.6	18.5	21.8	76	+10	2.3	+0.3	2.1	0	0	30	00	0	3	3	22	1	1	0	1	0
	1730	269	1006.1	978.7	+1.2	32.5	21.2	13.8	16.0	32	+ 7	1.1	-0.7	2.0	0	0	31	05	0	3	9	13	0	0	1	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or lat. in gpm. of mean standard isobaric level	At station level	Departure from normal	Dry bulb	Wet bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TELANGANA (CONTD.)																												
HAKIMPET AERODROME	0530	613	1009.9	941.5	..	20.8	17.8	15.3	18.2	70	..	2.5	..	15.0	0	5	26	01	1	4	14	5	3	3	0	01	0
	0830	613	1011.5	943.4	..	23.8	18.6	15.1	17.6	62	..	2.2	..	13.5	0	1	29	00	0	2	11	5	6	6	0	1	0
	1130	613	1009.7	943.5	..	29.7	19.0	12.8	15.7	39	..	2.0	..	17.8	0	10	21	01	0	3	9	6	6	2	2	0	2
	1730	613	1006.7	941.3	..	30.4	19.2	10.7	14.0	35	..	3.4	..	17.7	0	8	23	00	3	4	14	3	4	1	2	0	0
	2330	613	1009.6	942.1	..	24.5	18.1	13.6	16.1	53	..	2.4	..	18.6	0	11	20	00	1	6	15	7	1	1	0	0	0
BHADRACHALLAM	0830	111	1012.0	999.4	-0.8	24.3	21.5	20.1	23.5	77	+ 5	2.9	+0.0	3.8	0	0	31	00	19	0	8	0	4	0	0	0	0
	1730	111	1007.2	994.9	+0.0	33.2	22.3	15.5	17.6	37	+ 9	2.6	+0.0	2.7	0	0	31	00	17	0	11	0	3	0	0	0	0
HYDERABAD (BEGAMPET)	0230	545	1009.1	948.8	..	22.4	17.7	14.6	16.4	63	..	2.6	..	6.6	0	0	28	01	2	4	16	3	1	1	0	3	0
	0530	545	1009.8	948.8	..	20.4	17.3	15.0	17.3	71	..	1.8	..	4.6	0	0	17	01	1	4	7	2	0	0	2	14	0
	0830	545	1011.9	951.4	+0.1	23.7	18.3	15.0	16.7	60	+ 6	2.0	+0.4	7.7	0	0	28	00	0	2	14	4	1	2	5	3	0
	1130	545	1010.1	951.0	..	30.8	19.5	11.7	13.4	33	..	2.1	..	13.5	0	7	23	01	1	2	7	9	7	2	1	1	0
	1730	545	1005.7	947.1	+0.1	31.8	19.0	9.8	11.5	29	- 1	3.9	+1.8	13.7	0	6	24	04	1	8	9	3	4	1	0	1	0
	2330	545	1010.0	949.7	..	24.7	17.8	13.0	14.8	52	..	2.3	..	7.4	0	1	25	01	1	7	14	2	0	1	0	5	0
KHAMMAM	0830	112	1012.4	999.7	+0.3	25.2	22.9	21.6	25.6	81	+ 6	4.2	+1.1	3.9	0	0	24	00	0	2	15	6	1	0	0	5	0
	1730	112	1007.5	995.1	+0.3	32.9	23.2	17.6	20.1	43	+11	3.1	+1.1	2.5	0	0	18	00	0	5	7	4	1	1	0	13	0
MAHBUBNAGAR	0830	505	1011.1	955.2	-0.3	26.2	18.6	13.7	15.7	47	- 2	1.7	+0.1	6.6	0	2	27	00	1	7	5	6	4	3	3	2	0
	1730	505	1009.2	950.9	-0.5	33.6	19.4	7.8	10.6	22	- 4	2.6	+0.9	5.3	0	0	30	00	1	9	3	7	8	1	1	1	0
RAYALASEEMA																												
KURNOOL	0830	281	1011.9	980.4	+0.6	26.4	19.5	14.7	17.0	50	+ 2	1.1	-0.3	7.2	0	1	30	00	3	0	13	0	11	0	4	0	0
	1730	281	1006.1	975.4	+0.5	34.5	20.1	9.1	11.8	22	+ 1	2.2	+0.1	9.2	0	3	25	00	2	0	16	0	6	0	1	3	3
NANDYL	0830	212	1012.4	988.3	..	26.1	20.4	16.9	19.2	58	..	0.6	..	3.9	0	0	27	02	1	4	5	9	4	1	1	4	0
	1730	212	1006.2	983.1	..	34.3	21.0	11.7	13.7	27	..	1.6	..	11.2	0	3	27	00	0	17	4	3	1	5	0	1	0
ANANTAPUR	0530	350	1009.5	970.0	..	22.1	17.2	13.3	15.7	59	..	1.3	..	4.8	0	0	13	00	0	2	4	1	2	3	1	18	0
	0830	350	1011.7	972.5	+0.3	25.3	19.2	14.8	17.3	54	+ 7	1.7	+0.5	5.0	0	0	16	00	1	1	5	1	3	3	2	15	0
	1130	350	1010.4	972.0	..	31.7	21.0	13.4	16.1	35	..	1.3	..	8.0	0	1	28	00	5	8	5	1	3	1	6	2	0
	1430	350	1006.3	968.5	..	34.8	21.7	12.4	15.3	28	..	1.9	..	11.5	0	3	27	00	6	13	2	0	3	4	2	1	0
	1730	350	1005.3	967.5	+0.2	34.6	21.5	12.2	14.9	28	+ 9	1.5	-0.4	10.7	0	4	23	00	5	14	3	0	3	2	0	4	0
	2030	350	1007.2	969.4	..	30.1	20.0	12.9	15.2	35	..	1.0	..	9.2	0	3	17	00	1	13	5	0	1	0	0	11	0
	2330	350	1009.4	970.5	..	27.3	19.3	13.7	15.9	45	..	1.1	..	12.2	0	3	25	00	1	13	11	0	2	1	0	3	0
CUDDAPAH	0830	130	1012.3	997.6	+0.5	27.0	21.8	18.9	21.8	62	+ 9	1.3	+0.0	1.6	0	0	12	00	0	5	7	0	0	0	0	19	0
	1730	130	1007.0	992.7	+0.8	34.0	21.8	13.6	15.7	31	- 5	1.4	-0.5	5.7	0	0	27	00	2	15	9	0	0	1	0	4	0
AROGYAVARAM	0830	701	1011.9	934.5	-0.3	22.7	18.5	16.3	18.3	70	+11	2.0	+0.1	6.2	0	0	28	00	4	0	13	3	8	0	0	3	0
	1730	701	1006.1	930.9	-0.1	30.0	19.1	12.0	14.1	35	+ 9	3.8	+1.4	9.7	0	1	29	00	9	4	14	0	1	0	2	1	0
MADRAS STATE (INCLUDING PONDICHERRY)																												
MADRAS	0830	6	1012.7	1012.0	+0.5	26.7	24.0	22.7	27.6	79	+ 4	3.6	+0.5	4.2	0	0	21	00	2	1	6	0	2	8	2	10	0
	1730	6	1009.1	1008.4	..	28.6	24.3	22.2	26.7	69	..	2.9	..	7.4	0	0	30	01	2	11	14	2	0	0	0	1	0
MADRAS (MINAMBAKKAM)	0230	16	1010.0	1008.2	..	24.6	23.2	22.5	27.3	88	..	2.2	..	3.2	0	0	20	02	0	2	6	4	1	5	0	11	0
	0530	16	1010.4	1008.6	..	23.9	22.8	22.3	26.9	91	..	3.0	..	3.0	0	0	17	00	0	0	1	3	2	9	2	14	0
	0830	16	1012.6	1010.9	+0.3	26.5	23.9	22.6	27.6	79	+ 2	3.9	+1.2	5.3	0	0	26	00	0	0	3	8	1	9	5	5	0
	1130	16	1012.3	1010.6	..	31.1	24.8	21.7	25.9	58	..	3.7	..	12.0	0	3	27	00	1	11	6	10	2	0	0	1	0
	1430	16	1009.3	1007.6	..	31.5	25.0	21.9	26.3	57	..	3.1	..	14.7	0	9	22	01	0	14	13	4	0	0	0	0	0
	1730	16	1009.1	1007.4	+0.3	29.0	24.5	22.4	26.9	68	+ 4	2.8	+0.9	13.1	0	6	24	00	2	11	13	4	0	0	0	1	0
	2030	16	1011.2	1009.5	..	26.6	24.0	22.7	27.6	79	..	1.8	..	8.7	0	1	29	01	2	13	12	2	0	0	0	1	0
	2330	16	1011.7	1010.0	..	25.7	23.7	22.8	27.7	84	..	1.6	..	6.4	0	0	26	01	0	5	15	5	0	0	0	5	0
VELLORE	0530	214	1010.7	986.3	..	22.1	21.0	20.4	24.0	90	..	2.5	..	1.3	0	0	6	00	1	1	0	4	0	0	0	25	0
	0830	214	1013.1	988.7	+0.7	24.0	21.5	20.0	23.4	80	+ 5	3.5	+0.9	2.2	0	0	12	01	0	0	0	2	2	4	2	19	1
	1130	214	1012.0	988.1	..	29.7	22.4	18.3	21.0	51	..	3.5	..	5.9	0	0	28	00	2	1	7	5	4	7	2	3	0
	1730	214	1008.0	984.2	+0.6	31.4	22.6	16.3	18.5	41	+ 4	2.4	+0.1	9.4	0	1	29	00	4	4	16	6	0	0	0	1	0
	2330	214	1011.9	987.7	..	25.4	22.1	20.4	23.8	74	..	2.2	..	4.3	0	0	20	00	0	1	13	6	0	0	0	11	0
TAMBARAM AERODROME	0830	29	1012.2	1008.9	..	27.0	25.0	23.9	29.6	82	..	4.0	..	8.3	0	2	22	01	0	0	1	8	3	4	7	7	0
	1730	29	1009.0	1005.8	..	29.8	25.7	23.9	29.6	73	..	2.9	..	20.0	0	16	15	00	1	7	14	9	0	0	0	0	0
TIRUPPATTUR	0830	390	1013.7	969.5	+0.8	22.6	21.1	20.2	23.7	87	+13	7.0	+3.5	4.0	0	0	31	02	0	0	0	29	0	0	0	0	0
	1730	390	1007.5	964.1	-0.1	26.3	23.1	21.6	25.8	76	+39	7.4	+4.0	8.6	0	0	31	02	0	0	0	29	0	0	0	0	0
METTUR DAM R.S.	0830	390	..	..	..	26.1	22.9	21.2	25.2	75	..	3.6	..	3.4	0	0	24	00	5	0	12	0	6	0	1	0	0
	1730	390	..	..	..	28.1	25.6	24.4	30.5	80	..	4.0	..	4.1	0	0	24	00	3	0	8	0	12	0	1	0	0
CUDDALORE	0530	12	1010.0	1008.7	..	23.7	22.9	22.7	27.6	94	..	2.9	..	0.3	0	0	2	01	0	0	1	0	0	0	0	29	0
	0830	12	1012.6	1011.2	+0.2	26.4	24.2	23.2	28.4	82	+ 3	3.3	+0.2	1.7	0	0	9	00	2	0	1	2	1	0	3	22	0
	1130	12	1012.5	1011.2	..	29.6	25.0	22.9	27.9	67	..	3.8	..	8.1	0	1	26	01	4	10	12	0	0	0	0	4	0
	1430	12	1009.6	1008.3	..	30.0	25.3	23.1	28.3	67	..	2.4	..	10.1	0	1	28	01	3	11	13	1	0	0	0	2	0
	1730	12	1008.9	1007.6	+0.3	28.4	24.9	23.6	29.1	73	+ 4	2.0	-0.9	8.2	0	0	27	00	2	7	18	0	0	0	0	4	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADRAS STATE (INCLUDING PONDICHERRY) (CONTD.)																											
CUDDALORE. (CONTD.)	2330	12	1011.6	1010.3	..	26.5	24.4	23.7	29.3	83	..	1.8	..	4.4	0	1	12	00	0	3	10	0	0	0	0	17	0
KALLAKKURICHCHI	0830	127	1012.4	998.0	+0.0	25.6	22.6	21.1	25.0	76	+ 3	3.8	+1.1	4.0	0	0	24	00	0	3	0	5	0	7	1	8	7	0
	1730	127	1007.5	993.5	+0.3	32.4	22.9	17.3	19.7	42	+ 2	3.1	+0.6	7.1	0	0	27	00	7	13	7	0	0	0	0	4	0
SALEM	0530	278	1010.0	978.5	..	22.7	20.7	19.5	22.7	82	..	1.9	..	2.0	0	0	15	00	4	11	0	0	0	0	0	16	0
	0830	278	1012.2	980.9	+0.1	25.2	21.4	19.3	22.4	70	+ 1	2.7	+0.8	2.2	0	0	16	00	5	10	1	0	0	0	0	15	0
	1130	278	1011.3	980.5	..	30.2	22.2	17.6	20.1	47	..	2.9	..	4.3	0	0	27	01	5	10	1	2	1	1	0	4	6
	1730	278	1006.4	976.3	+0.7	32.5	21.4	14.2	16.2	34	+ 2	2.9	+0.5	7.6	0	0	23	01	2	15	3	0	0	2	0	8	0
	2330	278	1010.9	979.7	..	25.8	21.7	19.5	22.7	68	..	2.4	..	12.2	0	0	31	01	1	27	0	0	0	1	0	0	1
COIMBATORE (PILAMEDU)	0530	399	1010.5	965.4	..	21.7	20.0	19.0	22.0	85	..	1.8	..	6.3	0	0	18	07	4	0	0	0	2	2	3	13	0
	0830	399	1012.5	967.4	-0.3	24.3	21.8	20.5	24.1	80	+11	3.4	+0.7	8.3	0	0	21	04	11	4	0	0	1	0	1	10	0
	1130	399	1011.2	967.3	..	29.3	22.8	19.1	22.1	55	..	2.5	..	11.9	0	2	25	03	13	7	2	2	0	0	0	4	0
	1430	399	1007.2	964.0	..	32.7	22.7	15.6	17.7	38	..	3.5	..	16.0	0	7	23	01	8	13	4	2	2	0	0	1	0
	1730	399	1006.3	963.0	+0.3	32.6	21.8	14.7	16.7	36	+ 7	2.8	+0.2	16.5	0	11	17	00	11	12	0	3	2	0	0	3	0
	2030	399	1009.4	965.3	..	27.8	21.0	16.6	18.9	53	..	1.5	..	12.2	0	3	23	00	8	6	1	8	3	0	0	5	0
	2330	399	1011.0	966.5	..	24.8	20.9	18.7	21.6	70	..	0.9	..	7.5	0	3	14	00	2	3	2	6	4	0	0	14	0
COIMBATORE	0830	409	1011.9	966.3	+0.0	25.2	21.5	19.4	22.5	71	+ 4	3.7	+1.0	4.8	0	0	31	05	19	2	0	2	2	0	1	0	0
NAGAPATTINAM	0830	9	1012.5	1011.4	+0.2	28.0	24.1	22.2	26.7	72	- 2	4.4	+0.7	10.0	0	1	27	02	6	9	5	2	1	0	3	3	0
	1730	9	1008.8	1007.7	+0.0	28.9	24.6	22.6	27.4	69	- 2	3.7	+0.9	19.9	0	14	18	01	10	11	9	0	0	0	0	0	0
TIRUCHCHIRAPPALLI	0230	88	1009.7	999.6	..	24.2	22.6	21.9	26.3	87	..	3.6	..	5.5	0	0	24	08	9	3	2	1	0	0	1	7	0
	0530	88	1009.8	999.8	..	23.4	22.2	21.5	25.6	89	..	4.0	..	2.8	0	0	12	03	6	1	0	1	0	1	0	19	0
	0830	88	1012.1	1002.2	+0.0	26.5	23.1	21.2	25.2	73	- 3	4.0	+0.9	8.2	0	1	26	02	13	6	3	0	1	1	1	4	0
	1130	88	1011.7	1001.9	..	30.9	23.1	19.0	22.0	49	..	4.4	..	13.0	0	5	26	02	14	11	2	0	1	0	1	0	0
	1430	88	1008.2	998.4	..	33.3	22.9	16.9	19.3	38	..	4.1	..	13.7	0	7	24	01	18	11	0	0	0	0	1	0	0
	1730	88	1007.4	997.7	+0.2	32.8	22.6	16.8	19.1	40	+ 2	3.3	+0.8	17.6	0	10	21	00	14	13	3	1	0	0	0	0	0
	2030	88	1010.1	1000.2	..	28.2	23.1	20.5	24.1	63	..	2.2	..	19.0	0	18	13	00	0	21	9	1	0	0	0	0	0
	2330	88	1011.2	1001.2	..	25.7	23.1	21.8	26.1	79	..	2.5	..	10.3	0	0	31	01	8	15	5	2	0	0	0	0	0
VEDARANNIYAM	0830	4	1012.2	1011.7	..	28.8	25.0	23.4	28.8	73	..	4.7	..	3.0	0	0	31	02	10	5	12	1	0	0	1	0	0
	1730	4	1009.9	1009.4	..	29.3	25.1	23.2	28.4	70	..	3.3	..	4.2	0	0	31	03	11	5	9	1	0	0	2	0	0
ATIRAMPATTINAM	0830	6	1012.0	1011.3	..	27.0	24.2	22.8	27.7	78	..	3.0	..	5.5	0	0	31	02	7	3	8	2	1	0	8	0	0
	1730	6	1008.2	1007.5	..	30.1	24.2	21.4	25.5	60	..	2.9	..	10.6	0	1	30	01	9	2	19	0	0	0	0	0	0
MADURAI	0830	133	1012.5	996.6	-0.4	26.0	23.2	22.5	27.3	78	+ 9	5.1	+1.4	4.1	0	0	28	06	8	4	0	0	0	0	10	3	0
MADURAI AERODROME	0530	131	1009.9	994.9	..	23.4	22.2	21.5	25.6	89	..	2.4	..	2.8	0	0	14	08	3	0	0	0	0	1	2	17	0
	0830	131	1012.2	997.3	-0.3	26.4	23.1	21.4	25.5	74	+ 2	3.7	+0.8	9.0	0	0	29	13	10	0	2	0	0	1	3	2	0
	1130	131	1011.5	996.8	..	30.6	23.3	19.4	22.5	52	..	4.5	..	11.2	0	1	29	06	17	5	1	0	0	0	1	1	0
	1730	131	1007.3	992.8	-0.1	32.3	22.4	16.5	18.8	40	+ 2	4.2	+0.8	13.9	0	5	25	01	12	14	2	1	0	0	0	1	0
TONDI	0830	5	1012.4	1011.8	-0.1	27.1	24.1	22.7	27.6	77	- 2	3.0	-1.9	5.4	0	1	16	03	0	13	1	0	0	0	0	14	0
	1730	5	1008.5	1007.9	-0.3	29.1	24.7	22.8	27.7	69	- 8	3.0	-1.3	13.1	0	5	26	01	4	22	4	0	0	0	0	0	0
PAMBAN	0830	11	1011.8	1010.5	-0.2	27.7	26.2	25.6	32.8	88	+12	4.2	+0.6	13.4	0	3	28	02	4	8	13	3	1	0	0	0	0
	1730	11	1008.4	1007.1	-0.1	28.8	27.3	26.6	34.8	88	+13	3.4	+0.9	15.1	0	7	24	08	15	3	2	1	2	0	0	0	0
TUTICORIN	0830	4	1012.2	1011.8	-0.4	27.5	24.3	22.7	27.6	75	+ 1	2.7	+0.2	9.4	0	0	31	10	11	1	0	0	1	0	8	0	0
	1730	4	1008.2	1007.8	-0.3	29.0	25.4	23.7	29.5	74	+ 0	2.9	+1.4	21.4	0	21	10	00	3	19	3	5	1	0	0	0	0
PALAYANKOTTAI	0830	51	1013.4	1007.7	+1.4	27.8	24.0	22.1	26.6	71	- 2	5.6	+2.2	8.5	0	0	31	28	2	0	0	1	0	0	0	0	0
	1730	51	1007.8	1002.2	+0.3	31.4	23.9	20.1	23.5	52	- 1	3.7	+0.5	11.6	0	2	28	01	3	16	4	6	0	0	0	1	0
KANNIYAKUMARI	0830	37	1011.3	1007.2	..	28.0	23.6	21.4	25.8	68	..	3.2	..	14.1	0	7	23	04	20	1	0	0	1	3	1	1	0
	1730	37	1008.0	1003.9	..	29.1	24.6	22.4	27.1	67	..	3.8	..	16.0	0	13	18	00	7	13	1	3	5	1	1	0	0
COASTAL MYSORE																											
KARWAR	0830	4	1012.0	1011.5	+0.1	25.3	22.7	21.6	25.3	79	- 2	1.3	-0.5	3.4	0	0	31	00	3	26	1	0	0	0	0	0	1
	1730	4	1008.3	1007.8	-0.2	29.6	24.9	22.6	27.6	67	- 4	1.6	-0.3	7.9	0	0	30	00	0	0	0	1	0	5	24	1	0
HONAVAR	0830	26	1011.8	1008.8	-0.3	24.6	21.9	20.5	24.1	78	- 1	2.8	-0.3	4.5	0	0	31	00	3	28	0	0	0	0	0	0	0
	1730	26	1008.4	1005.5	-0.1	30.2	24.7	21.5	25.6	62	- 5	1.9	-1.1	8.2	0	0	31	00	0	1	0	0	0	24	6	0	0
MANGALORE (BAJPE)	0230	102	1009.6	998.0	..	24.7	22.7	21.7	25.9	84	..	1.2	..	1.7	0	0	7	01	3	3	0	0	0	0	0	24	0
	0530	102	1009.6	998.0	..	23.5	22.0	21.2	25.2	87	..	1.2	..	2.6	0	0	10	00	0	9	1	0	0	0	0	21	0
	0830	102	1011.6	1000.1	-0.5	27.0	23.0	20.9	24.7	70	- 4	1.5	-0.7	7.1	0	0	29	01	3	21	4	0	0	0	0	2	0
	1130	102	1011.3	1000.0	..	31.6	23.6	19.3	22.4	49	..	2.3	..	7.9	0	1	24	01	0	3	2	0	1	10	5	6	3
	1430	102	1008.2	997.0	..	32.3	24.3	20.0	23.4	49	..	1.8	..	23.6	0	26	4	00	0	0	0	0	1	25	4	1	0
	1730	102	1007.6	996.3	-0.6	29.9	24.2	21.3	25.3	61	- 3	1.9	-0.5	21.4	0	20	10	00	0	0	0	0	0	22	8	1	0
	2030	102	1010.0	998.5	..	27.0	23.7	22.0	26.4	75	..	2.0	..	9.8	0	0	30	08	0	0	0	0	0	5	17	1	0
	2330	102	1010.9	999.1	..	26.0	23.3	22.0	26.4	79	..	2.0	..	3.0	0	0	11	05	1	0	0	0	0	1	4	20	0
MANGALORE	0830	22	1011.7	1009.2	-0.1	26.6	22.8	20.8	24.6	71	- 4	2.2	-0.1	4.6	0	0	31	00	4	19	6	0	0	1	0	0	1
	1730	22	1007.9	1005.4	-0.2	29.6	24.8	22.4	27.1	64	- 3	1.6	-1.0	8.5	0	0	31	01	0	0	0	0	3	10	10	0	7

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MARCH 1967.(PHALGUNA 10,1888 SAKA - CHAITRA 10,1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lst. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
INTERIOR MYSORE, NORTH																											
BIDAR	0830	664	1010.9	937.9	-0.4	24.6	17.2	12.0	14.2	48	+ 4	1.8	+0.2	9.8	0	3	23	02	0	2	1	7	11	2	1	5	0
	1730	664	1004.5	933.5	-0.7	32.0	18.4	7.7	11.2	25	- 1	4.0	+1.0	8.0	0	3	16	01	4	3	2	3	3	2	1	12	0
GULBARGA	0830	458	1011.2	960.2	-0.3	25.5	17.4	14.7	16.9	43	+ 7	1.8	+0.6	8.8	0	1	22	03	1	8	1	6	1	3	0	8	0
	1730	458	1004.5	955.2	-0.7	35.2	19.2	5.9	9.3	17	- 3	3.4	+0.9	10.0	0	1	29	00	1	6	4	2	5	12	0	1	0
BIJAPUR	0830	594	1011.6	945.5	+0.0	23.1	17.3	13.3	15.5	55	+10	1.9	+0.6	5.5	0	0	29	03	1	1	2	2	5	7	8	2	0
	1730	594	1004.0	940.4	-1.0	34.6	20.1	11.3	12.9	30	+ 6	4.5	+1.9	5.2	0	0	31	02	3	0	8	3	6	3	6	0	0
RAICHUR	0830	400	1011.1	966.9	+0.1	26.3	19.5	15.0	17.0	50	+ 0	3.0	+1.6	5.2	0	0	24	00	2	0	1	1	18	0	2	7	0
	1730	400	1005.3	962.6	+0.1	34.9	20.7	10.7	12.6	24	- 4	3.3	+1.1	4.5	0	0	30	00	10	0	14	0	5	0	1	1	0
BELGAUM	0830	753	1013.3	929.8	+1.0	20.9	17.9	16.0	18.1	75	+13	0.5	-0.3	1.4	0	0	9	00	3	4	0	0	1	1	0	22	0
	1730	753	1006.6	926.2	+0.7	30.4	21.8	17.0	19.1	47	+15	2.8	+1.0	6.1	0	0	29	00	0	7	0	1	0	19	1	2	1
BELGAUM(SAMRA)	0530	747	1010.6	927.2	..	18.4	15.7	13.7	15.7	76	..	1.5	..	0.9	0	0	6	01	0	0	1	1	1	1	1	25	0
	0830	747	1011.9	929.3	-0.4	21.8	17.1	13.8	15.7	62	+10	1.4	+0.2	2.9	0	0	17	01	4	3	1	0	2	6	0	14	0
	1130	747	1009.8	929.4	..	29.3	17.7	8.8	11.3	30	..	1.3	..	9.5	0	2	28	03	6	2	10	3	0	4	2	1	0
	1430	747	1005.8	926.4	..	32.4	17.9	6.4	9.6	21	..	3.1	..	12.4	0	6	25	02	4	4	7	2	4	7	1	0	0
	1730	747	1005.2	925.6	-0.5	31.0	18.3	8.4	10.7	27	- 6	3.2	+0.8	15.2	0	15	16	01	3	7	1	2	5	12	0	0	0
	2030	747	1008.9	927.2	..	25.2	18.9	14.7	16.7	55	..	1.4	..	13.7	0	7	22	00	1	1	1	0	4	22	0	2	0
GADAG	0530	650	1010.1	937.7	..	20.8	18.5	17.2	19.6	81	..	1.2	..	6.1	0	0	25	00	0	1	4	3	6	8	1	6	2
	0830	650	1011.7	939.7	-0.3	22.7	19.4	17.6	20.0	74	+16	0.9	-1.1	5.1	0	0	31	03	2	0	7	2	5	7	5	0	0
	1130	650	1009.7	939.7	..	31.0	21.1	15.5	17.6	40	..	0.6	..	8.1	0	1	28	02	1	6	4	0	4	9	2	2	1
	1430	650	1005.5	936.5	..	34.3	21.1	13.2	15.2	29	..	2.4	..	8.9	0	0	30	03	8	5	0	0	4	4	3	1	3
	1730	650	1004.7	935.7	-0.1	33.8	20.9	13.0	15.3	29	- 2	3.2	+0.2	5.7	0	0	31	01	11	3	2	0	5	3	6	0	0
	2030	650	1008.0	937.5	..	28.1	19.5	14.0	16.0	43	..	1.3	..	6.2	0	0	26	00	0	9	1	1	2	11	1	5	1
	2330	650	1009.9	938.5	..	24.7	19.4	16.1	18.3	60	..	1.0	..	8.9	0	1	29	01	0	2	6	1	5	15	0	1	0
INTERIOR MYSORE, SOUTH																											
BELLARY	0830	449	1011.7	961.6	+0.4	24.1	19.5	16.4	19.0	64	+19	0.6	-1.1	4.2	0	0	16	00	0	0	5	0	7	0	4	15	0
	1730	449	1005.6	957.4	+0.9	35.2	22.8	15.5	17.6	31	+ 9	1.2	-1.3	5.5	0	0	18	00	1	1	4	0	9	0	3	13	0
CHITRADURGA	0830	733	1010.5	930.5	-0.3	21.8	18.8	15.5	17.6	69	+14	1.1	-0.7	3.4	0	0	18	00	1	3	2	0	0	12	0	13	0
	1730	733	1004.4	926.8	+0.1	32.8	20.9	10.5	12.7	32	+ 8	1.6	-0.9	7.2	0	0	28	01	5	13	1	0	2	6	0	3	0
SHIMOGA	0830	571	1012.2	948.3	-0.2	21.1	18.6	16.8	19.1	77	+ 0	5.3	+2.7	0.7	0	0	10	01	0	1	0	0	3	4	1	21	0
	1730	571	1004.5	943.4	-0.2	32.6	19.2	9.4	11.8	25	- 2	4.9	+1.9	2.6	0	0	26	02	3	12	0	0	3	5	1	5	0
AGUMBE	0830		..	..	..	20.8	18.6	17.2	19.6	81	..	.	..	4.9	0	0	25	02	21	1	0	0	1	0	0	6	0
BALEHONNUR	0830		..	..	..	21.6	17.9	15.4	17.5	71	-10	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HASSAN	0830	960	1515.8	907.0	-0.4	19.8	16.7	14.5	16.5	73	+ 2	1.1	-0.6	1.1	0	0	6	00	0	0	0	0	6	0	0	25	0
	1730	960	1501.8	903.5	-0.1	30.5	17.8	8.5	11.1	26	- 5	1.7	-1.1	2.0	0	0	19	01	2	6	3	0	2	5	0	12	0
BANGALORE	0230	921	1505.8	910.0	..	20.2	16.7	14.2	16.2	70	..	1.3	..	2.9	0	0	15	00	0	5	9	0	1	0	0	16	0
	0830	921	1526.7	911.8	+0.4	22.2	17.7	14.6	16.6	64	+ 1	2.6	+0.6	2.8	0	0	16	01	0	3	3	2	3	2	0	15	2
	1130	921	1536.9	911.6	..	27.9	18.1	11.1	13.2	37	..	2.7	..	5.4	0	0	27	00	1	8	8	4	1	3	2	4	0
	1430	921	1519.2	909.3	..	30.5	18.2	9.1	11.5	27	..	3.2	..	7.7	0	0	31	00	4	11	7	2	3	2	1	0	1
	1730	921	1510.3	908.6	+0.9	29.5	17.6	8.5	11.1	28	+ 4	3.3	+0.4	6.9	0	0	31	00	6	11	11	0	1	1	1	0	0
	2030	921	1517.7	910.3	..	24.9	17.0	11.1	13.2	44	..	1.1	..	5.5	0	0	23	00	0	10	13	0	0	0	0	8	0
BANGALORE AERODROME	0530	897	1494.2	911.7	..	18.5	16.6	15.3	17.4	82	..	2.2	..	5.8	0	0	26	00	3	8	8	5	0	2	0	5	0
	0830	897	1520.9	913.9	-0.3	21.5	17.9	15.7	17.8	70	+ 9	2.5	+0.4	8.3	0	0	25	00	1	5	6	6	3	4	0	6	0
	1130	897	1531.5	913.7	..	27.3	18.2	11.5	13.6	40	..	2.5	..	12.4	0	3	27	00	3	9	5	7	2	4	0	1	0
	1730	897	1502.0	910.2	+0.1	29.3	17.8	8.6	11.2	30	+ 5	2.9	+0.2	14.7	0	9	21	00	2	17	7	0	3	1	0	1	0
	2330	897	1514.1	913.2	..	22.0	17.3	14.1	16.1	63	..	1.4	..	10.9	0	1	29	00	0	19	9	2	0	0	0	1	0
MYSORE	0830	767	1012.0	927.2	-0.3	22.4	19.3	17.7	20.2	76	+ 5	2.0	-0.3	6.7	0	0	31	03	1	4	2	10	4	3	2	0	0
	1730	767	1004.6	923.3	-0.1	31.9	19.2	10.8	12.9	28	+ 7	2.7	-0.5	13.0	0	5	26	01	9	7	2	1	7	2	2	0	0
KERALA																											
CALICUT	0530	5	1010.1	1009.5	..	24.3	22.9	22.2	26.7	89	..	1.0	..	2.4	0	0	21	00	0	16	0	0	0	4	1	10	0
	0830	5	1011.7	1011.1	+0.0	27.9	24.0	22.3	26.6	71	- 3	1.5	-1.3	1.3	0	0	17	01	0	15	0	0	0	1	0	14	0
	1130	5	1011.4	1010.8	..	30.7	25.6	23.0	28.6	64	..	1.8	..	4.5	0	0	31	00	0	0	0	1	1	21	8	0	0
	1430	5	1009.1	1008.5	..	32.8	26.5	23.6	29.3	59	..	1.5	..	4.6	0	0	31	00	0	0	0	0	3	27	1	0	0
	1730	5	1008.3	1007.7	+0.4	30.1	25.9	24.1	30.0	71	+ 2	1.3	-1.8	6.7	0	0	30	00	0	0	0	0	0	25	5	1	0
	2330	5	1010.7	1010.7	..	27.4	25.1	24.0	30.0	82	..	0.5	..	3.5	0	0	26	09	0	2	0	0	2	9	4	5	0
PALGHAT	0830	97	1012.0	1001.0	-0.1	28.4	23.0	20.2	23.6	61	- 6	2.3	-0.1	8.0	0	0	30	00	0	20	3	0	0	6	1	1	0
	1730	97	1006.0	995.6	-0.1	35.5	22.8	15.0	17.0	31	- 7	2.7	-0.2	7.8	0	0	30	00	0	19	0	0	0	10	1	1	0
FORT COCHIN	0830	3	1011.6	1011.3	-0.2	28.1	24.8	23.1	28.6	73	- 1	4.9	+1.1	5.5	0	0	31	03	15	12	0	0	0	0	1	0	0
	1730	3	1007.8	1007.5	+0.0	29.6	25.7	24.0	29.7	72	+ 2	5.1	+1.5	13.3	0	4	27	00	0	0	0	0	1	14	16	0	0
COCHIN(NAVAL AIR STATION)	0230	3	1009.6	1009.3	..	26.1	24.3	23.5	28.8	86	..	3.5	..	0.6	0	0	5	00	4	0	0	0	0	0	1	26	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KERALA (CONTD.)																											
COCHIN (NAVAL AIR STATION) (CONTD.)	0530	3	1009.3	1009.0	..	25.2	23.7	23.0	27.9	88	..	3.0	..	1.4	0	0	6	00	4	2	0	0	0	0	0	25	0
	0830	3	1011.5	1011.2	..	27.7	24.4	22.8	27.7	75	..	3.2	..	4.6	0	0	22	04	12	6	0	0	0	0	0	9	0
	1130	3	1011.5	1011.2	..	31.2	24.9	21.8	26.3	58	..	3.2	..	10.3	0	0	28	01	0	1	2	0	3	11	10	3	0
	1730	3	1007.5	1007.2	..	30.1	25.6	23.6	29.1	68	..	3.0	..	17.4	0	1	30	00	0	0	0	0	4	19	8	0	0
	2330	3	1011.2	1010.9	..	27.0	24.6	23.6	28.9	81	..	3.5	..	1.8	0	0	7	00	0	1	1	2	0	0	3	24	0
ALLEPPEY	0830	4	1011.3	1010.9	-0.2	28.3	24.9	23.4	28.6	76	+ 0	3.5	-0.8	5.8	0	0	31	01	16	8	6	0	0	0	0	0	0
	1730	4	1007.9	1007.5	+0.2	30.6	26.0	24.6	29.8	68	- 3	2.9	-0.8	22.1	0	27	4	01	0	0	0	0	0	10	20	0	0
PUNALUR	0830	34	1011.5	1007.6	-0.4	26.1	23.1	21.6	25.8	77	- 3	4.2	+0.8	0.5	0	0	2	00	1	1	0	0	0	0	0	29	0
	1730	34	1007.2	1003.6	-0.3	32.9	24.4	20.0	23.4	48	- 6	6.3	+1.0	7.0	0	0	28	00	2	3	3	8	6	3	1	3	0
TRIVANDRUM	0230	64	1009.3	1001.9	..	25.6	23.6	22.6	27.4	84	..	2.9	..	1.7	0	0	7	00	3	0	0	0	0	0	4	24	0
	0530	64	1009.3	1001.9	..	24.6	23.1	22.3	26.9	87	..	2.7	..	3.3	0	0	20	02	14	1	1	0	0	0	2	11	0
	0830	64	1011.4	1004.1	-0.2	28.6	23.6	22.1	26.6	77	- 3	3.0	+0.6	4.4	0	0	25	05	11	4	2	2	0	0	1	6	0
	1130	64	1010.9	1003.7	..	31.5	24.2	20.6	24.1	53	..	4.2	..	6.9	0	0	28	01	2	1	3	0	10	6	4	3	1
	1430	64	1008.1	1000.9	..	31.5	24.7	21.5	25.6	55	..	3.2	..	11.2	0	1	30	00	0	1	2	0	12	14	2	0	0
	1730	64	1008.1	1000.9	+0.0	29.6	24.8	22.5	27.4	66	+ 0	4.2	-0.1	9.1	0	1	30	01	0	0	2	8	6	11	3	0	0
	2030	64	1010.4	1003.2	..	27.8	24.6	23.1	28.1	76	..	3.5	..	5.0	0	0	26	01	1	0	1	3	10	6	4	5	0
	2330	64	1011.1	1003.8	..	26.7	24.2	23.0	28.3	80	..	3.3	..	4.6	0	0	23	05	8	0	1	0	1	0	8	8	0
TRIVANDRUM AERODROME	0830	8	1011.6	1010.7	-0.2	28.1	24.1	22.2	26.7	71	- 2	4.0	+1.0	6.5	0	2	19	07	7	5	0	1	1	0	0	10	0
ARABIAN SEA ISLANDS																											
AMINI	0530	4	1008.8	1008.4	..	25.7	23.3	22.1	26.4	81	..	2.1	..	7.8	0	3	19	11	5	1	0	0	0	1	4	9	0
	0830	4	1011.1	1010.7	-0.7	28.0	24.2	22.4	27.1	72	- 1	1.8	-1.1	5.9	0	0	24	13	6	0	0	0	0	1	4	7	0
	1130	4	1011.5	1011.1	..	30.7	25.2	22.7	27.6	62	..	2.3	..	10.6	0	1	29	19	6	2	0	0	0	0	3	1	0
	1730	4	1008.0	1007.6	..	30.1	25.4	23.2	28.6	66	..	2.3	..	10.0	0	3	27	18	4	0	0	0	0	1	7	1	0
	2330	4	1010.5	1010.1	..	26.7	23.9	22.5	27.3	78	..	1.6	..	8.8	0	3	18	04	1	1	0	0	0	2	13	10	0
AGATTI	0830	4	1011.2	1010.7	..	28.0	24.4	22.8	27.6	74	..	5.0	..	3.5	0	0	29	21	4	0	0	0	0	0	4	2	0
	1730	4	1008.4	1007.9	..	29.8	25.3	23.1	28.6	67	..	3.8	..	4.0	0	0	31	17	2	1	0	0	0	1	10	0	0
ANDROTH	0830	5	1011.7	1011.2	..	28.2	24.9	23.5	28.8	75	..	3.4	..	2.8	0	0	27	02	15	9	0	0	0	0	1	4	0
	1730	5	1008.7	1008.1	..	29.9	25.5	23.6	28.9	69	..	2.8	..	5.4	0	0	23	14	2	0	0	0	0	0	7	8	0
MINICOY	0530	2	1009.4	1009.2	..	25.1	23.2	22.3	26.9	84	..	3.4	..	3.7	0	0	19	05	6	3	0	0	0	0	5	12	0
	0830	2	1011.5	1011.2	-0.3	28.0	24.4	22.8	27.8	74	+ 0	3.8	+0.1	5.3	0	0	25	08	8	5	1	0	1	0	2	6	0
	1130	2	1011.9	1011.7	..	30.6	25.3	22.9	27.9	64	..	3.5	..	7.7	0	0	30	09	7	7	2	0	0	0	5	1	0
	1430	2	1009.5	1009.3	..	30.7	25.4	22.9	27.9	63	..	3.3	..	8.0	0	0	31	10	11	4	1	0	0	1	4	0	0
	1730	2	1008.7	1008.5	+0.0	29.7	25.0	22.8	27.5	67	- 5	3.2	-0.5	6.2	0	0	28	12	7	4	0	0	0	1	4	3	0
	2030	2	1010.5	1010.3	..	27.3	24.1	22.6	27.4	76	..	2.4	..	4.3	0	0	20	07	9	1	0	0	0	0	3	11	0
	2330	2	1011.2	1011.0	..	26.0	23.6	22.4	27.1	81	..	2.2	..	3.7	0	0	19	09	6	3	0	0	0	0	1	12	0
HILL STATIONS (EXCLUDING KASHMIR)																											
DALHOUSIE	0830	1959	1438.5	799.2	-0.5	11.0	5.6	- 1.3	5.5	45	-15	3.2	+0.5	1.5	0	0	17	00	14	0	3	0	0	0	0	14	0
	1730		1428.7	798.4	-1.1	12.1	7.3	1.7	6.9	50	-16	3.6	+0.3	0.5	0	0	6	00	2	0	1	0	0	0	3	25	0
DHARMASALA	0830	1211	1541.7	883.8	-0.4	15.5	9.8	3.5	7.8	47	- 2	4.7	+1.3	1.9	0	0	23	06	11	1	1	0	0	0	2	8	0
	1730	1211	1515.7	881.3	-1.7	17.2	11.0	4.7	8.5	47	- 2	5.1	+0.8	3.4	0	0	31	00	5	2	1	6	16	1	0	0	0
BHUNTAR .... See Foot Note	0830	1096	1502.6	893.1	..	8.1	6.9	5.4	9.0	83	..	4.3	..	3.2	0	0	25	13	4	3	2	1	1	0	1	6	0
	1730	1096	1477.3	889.2	..	16.4	10.6	4.6	8.5	50	..	5.8	..	9.9	0	6	21	05	1	1	4	6	4	3	3	4	0
SIMLA	0830	2202	1480.2	779.9	-1.6	8.9	3.5	- 5.0	4.0	41	+ 4	3.7	+0.4	1.1	0	0	17	00	4	0	8	2	3	0	0	14	0
	1730	2202	1471.4	779.2	-1.7	9.1	5.1	- 0.1	6.1	57	+ 9	5.0	+1.1	1.8	0	0	25	01	2	0	13	2	7	0	0	6	0
GHANGARIA (KANJALIA TOK)	0830		..	..	..	10.4	- 1.7	- 4.6	4.1	69	- 4	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BADRINATH	0830		Functions only from May to October																								
JOSHIMATH	0830		..	..	..	9.1	5.3	0.1	6.1	57	+13	3.6	+0.7	8.8	0	0	30	00	1	21	2	3	1	0	0	1	2
	1730		..	..	..	13.0	7.8	1.9	7.0	53	+13	5.3	-0.2	7.4	0	0	31	02	3	12	1	3	1	5	3	0	1
MUSSOORIE	0830	2042	1481.2	795.4	-2.3	9.6	5.1	- 0.9	5.7	51	+ 2	4.0	+0.7	2.1	0	0	13	05	1	0	1	1	1	0	4	18	0
	1730	2042	1470.1	794.3	-2.5	10.7	6.7	1.8	6.9	60	+ 1	4.8	+1.0	4.1	0	0	31	11	5	0	3	5	1	0	6	0	0
MUKTESWAR (KUMAUN)	0830	2311	3112.8	772.1	-0.2	8.3	3.7	- 3.5	4.5	50	+ 7	3.6	+1.2	10.5	0	3	25	00	3	6	1	2	3	7	6	3	0
	1730	2311	3099.0	770.5	-0.6	9.6	5.7	0.7	6.4	59	+10	4.7	+1.3	19.2	0	17	12	00	1	3	0	0	9	13	3	2	0
NAINITAL	0830	1953	1492.9	804.3	-0.9	10.3	5.3	- 2.3	5.0	47	+ 2	3.7	+1.1	3.9	0	0	13	00	7	1	2	1	0	1	1	18	0
	1730	1953	1469.4	802.7	-1.0	10.5	6.5	- 0.9	5.7	59	+ 4	3.5	+0.4	8.5	0	2	29	03	0	4	4	1	2	17	0	0	0
KALIMPONG	0830	1209	1489.0	878.6	-0.9	16.9	12.5	8.8	11.3	59	-11	2.2	+0.1	6.6	0	0	31	00	0	0	3	0	1	0	27	0	0
	1730	1209	1465.0	876.0	-0.8	17.7	13.2	9.5	11.9	59	-10	2.3	-0.9	6.4	0	0	31	00	0	0	30	0	0	0	1	0	0
DARJEELING	0830	2128	1512.8	790.3	-0.8	10.2	7.7	5.6	9.1	73	+ 5	4.5	+1.0	1.4	0	0	10	02	0	0	0	0	5	1	1	21	1
	1730	2128	1491.1	788.1	-0.9	9.3	7.7	6.2	9.5	79	+ 5	5.8	+0.4	3.6	0	1	20	01	0	0	0	0	11	5	0	10	4
KOHIMA	0830	1406	(R)																								
	1730	1406	(R)																								

1130 hrs. data given at the end of the table.

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gram. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HILL STATIONS (EXCLUDING KASHMIR) (CONTD.)																											
SHILLONG (C.S.O.)	0830	1598	1499.9	840.5	+0.6	14.7	10.4	6.7	10.5	60	+15	3.5	+1.4	5.7	0	0	27	00	1	2	0	2	8	7	7	4	0
	1730	1598	1474.8	838.0	+0.6	14.1	10.9	8.6	11.2	70	+15	5.0	+0.8	3.5	0	0	21	02	0	1	1	4	6	3	4	10	0
CHERRAPUNJI	0830	1313	1498.1	868.8	-1.1	15.5	12.8	10.6	12.8	74	+13	3.3	+0.3	6.1	0	0	30	00	7	0	1	0	22	0	0	1	0
	1730	1313	1496.3	868.7	+1.4	15.3	12.9	11.1	13.2	77	+10	3.2	+0.2	7.2	0	0	31	00	4	0	0	0	26	1	0	0	0
ABU	0830	1195	1495.6	880.4	-1.8	18.5	11.6	4.2	8.2	43	+10	2.3	+0.9	1.1	0	0	8	00	1	0	0	2	3	1	1	23	0
	1730	1195	1493.6	880.0	-0.8	22.0	13.7	5.1	8.8	40	+13	3.1	+1.5	2.9	0	1	13	00	2	0	0	3	7	2	0	16	0
AIJAL	0830		(R)																								
	1730		(R)																								
PACHMARHI	0830	1075	1515.5	894.8	-0.9	20.4	13.5	7.2	10.5	46	+10	3.2	+1.3	2.1	0	0	26	01	4	2	1	0	8	5	5	5	0
	1730	1075	1496.5	892.0	-1.0	25.7	15.1	5.7	9.5	30	+ 5	4.3	+1.7	3.0	0	0	30	00	2	0	0	0	5	7	16	1	0
MAHABALESHWAR	0830	1382	1517.1	863.7	-0.7	18.7	12.4	6.1	9.8	47	+11	0.5	-0.4	9.9	0	0	31	01	17	1	5	0	1	1	5	0	0
	1730	1382	1504.5	862.1	-0.4	25.4	17.2	11.2	13.7	44	+ 1	1.5	-0.1	10.1	0	0	31	00	4	0	0	0	2	0	25	0	0
MERCARA	0830	1152	1517.4	887.0	+0.1	20.2	15.9	12.7	15.0	64	- 8	1.2	-0.6	2.6	0	0	15	02	8	1	0	0	0	1	3	16	0
	1730	1152	1499.5	884.3	+0.1	27.1	18.5	12.2	15.1	43	-11	2.7	-0.1	7.4	0	0	31	02	8	0	0	0	4	3	12	0	2
OOTACAMUND	0830	2249	1528.1	781.3	+0.2	13.0	8.9	4.5	8.8	59	- 2	0.7	-0.8	2.3	0	0	19	01	8	5	0	2	2	1	0	12	0
	1730	2249	1486.0	778.6	-0.9	18.0	13.7	10.7	12.9	64	+ 8	2.8	-0.7	1.7	0	0	23	00	8	9	5	0	1	0	0	8	0
COONOOR	0830		..	..	..	19.2	13.3	8.5	11.5	52	- 6	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KODAIKANAL	0830	2343	3162.4	772.1	-0.4	14.8	9.4	3.2	8.3	51	+ 1	1.9	+0.0	9.9	0	4	23	04	10	2	8	1	0	0	2	4	0
	1130	2343	3175.8	772.6	..	17.7	11.8	6.3	10.1	51	..	4.5	..	11.4	0	4	27	04	9	3	10	3	1	0	1	0	0
	1730	2343	3146.9	770.7	-0.6	14.8	12.1	9.9	12.3	74	+ 7	5.8	+1.6	6.6	0	0	28	03	3	3	8	3	1	1	6	3	0
NEPAL																											
KATMANDU	0830	1324	1502.0	868.4	-1.6	11.6	9.6	7.8	10.6	78	+ 6	2.9	+0.3	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1130	1324	1496.1	867.3	..	19.4	13.1	7.5	10.5	48	..	3.9	..	1.2	0	0	10	00	1	1	4	0	2	0	2	21	0
	1730	1324	1471.2	864.9	-1.9	17.5	12.0	7.0	10.2	52	- 1	4.2	+0.7	2.4	0	0	18	02	0	0	2	4	1	0	9	13	0
SIKKIM																											
LACHEN	0830		(R)																								
HYDROMETEOROLOGICAL OBSERVATORIES																											
DAMODAR CATCHMENT																											
TILAIYA	0830		..	..	..	23.0	16.3	10.4	12.6	49	..	2.1	..	3.7	0	0	14	00	0	2	0	0	4	7	1	17	0
	1730		..	..	..	27.5	17.2	7.6	10.4	34	..	3.1	..	6.5	0	1	24	01	2	1	0	0	1	9	11	6	0
HAZARIBAGH	0830	6154	1011.2	942.7	..	22.3	16.6	12.5	14.5	57	..	1.9	..	6.6	0	1	24	01	1	2	1	1	4	6	9	6	0
	1730	6154	1007.3	939.6	..	24.7	17.4	12.2	14.2	49	..	2.6	..	7.5	0	2	25	03	1	2	0	0	1	5	15	4	0
KONAR	0830		..	..	..	23.5	16.0	9.2	11.6	43	..	0.4	..	4.3	0	0	31	00	2	0	2	0	0	24	3	0	0
	1730		..	..	..	27.2	18.1	11.0	13.3	39	..	0.6	..	4.4	0	0	31	00	1	1	1	0	0	23	5	0	0
BOKARO	0830	2420	1011.1	983.6	..	23.3	17.7	13.2	15.2	56	..	1.9	..	5.4	0	0	27	01	1	1	3	2	6	9	4	4	0
	1730	2420	1005.6	978.7	..	28.9	20.4	14.7	16.7	45	..	2.3	..	5.4	0	0	29	00	0	1	5	0	7	9	7	2	0
MAITHON	0830		..	..	..	26.4	18.2	11.8	13.8	44	..	2.9	..	4.1	0	0	28	03	0	0	7	3	4	1	10	3	0
	1730		..	..	..	30.1	19.2	10.6	12.8	34	..	3.2	..	6.1	1	1	23	03	0	0	10	0	8	1	3	6	0
RAMGARH	0830		..	..	..	22.0	16.3	11.2	13.3	55	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	28.2	17.2	6.1	9.4	33	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
PANCHET HILLS	0830		..	..	..	24.2	18.4	14.3	16.3	55	..	2.4	..	2.1	0	0	20	00	2	0	4	0	6	0	8	11	0
	1730		..	..	..	29.1	19.4	11.9	13.9	38	..	2.6	..	2.5	0	0	19	00	4	0	3	0	2	0	10	12	0
DURGAPUR	0830		..	..	..	24.5	19.2	15.1	17.1	59	..	3.1	..	5.7	0	1	24	01	3	2	3	5	0	0	11	6	0
	1730		..	..	..	30.1	20.4	14.0	16.0	42	..	2.8	..	5.7	0	2	18	02	1	1	1	5	1	2	7	11	0
MAHANADI CATCHMENT																											
GINABAHAR	0830		..	..	..	21.9	15.8	11.0	13.6	54	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	1012.2	994.1	..	24.8	19.4	16.0	18.2	61	..	2.6	..	1.9	0	0	14	01	1	5	1	0	2	2	2	17	0
	1130	159	1011.4	993.5	..	29.2	20.9	15.1	17.1	47	..	2.2	..	3.7	0	0	28	06	2	2	0	3	5	7	3	3	0
	1730	159	1007.1	989.4	..	30.6	21.3	15.6	17.7	43	..	2.2	..	2.1	0	1	10	01	0	1	0	0	2	5	2	20	0
BHIMKUND	0830		..	..	..	22.6	19.0	16.7	19.0	70	..	4.0	..	2.0	0	0	20	00	2	0	2	0	3	0	13	11	0
	1730		..	..	..	27.7	19.6	14.2	16.2	47	..	4.7	..	2.3	0	0	18	00	1	0	4	2	7	0	4	13	0
SONEPUR	0830		..	..	..	23.7	20.3	18.3	21.0	73	..	3.1	..	6.0	0	0	26	00	0	17	0	0	0	9	0	5	0
KHIJRAWAN	0830		..	..	..	23.4	18.0	14.0	16.3	59	..	3.8	..	7.1	0	3	27	01	1	6	9	3	7	2	1	1	0
	1730		..	..	..	30.3	19.0	9.7	12.8	32	..	3.8	..	10.4	0	2	29	02	2	1	3	1	8	4	10	0	0
NARMADA CATCHMENT																											
BAGRA TAWA	0830		..	..	..	23.0	18.3	14.9	17.1	62	..	2.7	..	11.9	0	2	28	04	9	5	1	3	5	1	2	1	0
	1730		..	..	..	32.1	22.3	16.1	19.0	41	..	3.5	..	11.7	0	2	28	04	3	1	1	3	6	2	10	1	0
PUNASA	0830		..	..	..	25.5	16.9	8.6	12.3	40	..	0.7	..	4.3	0	0	30	01	15	0	1	0	9	0	4	1	0
	1730		..	..	..	32.7	20.0	10.3	13.0	27	..	0.3	..	3.9	0	0	30	00	10	0	3	0	14	0	3	1	0
THIKRI	0830		..	..	..	25.7	16.9	8.6	12.1	39	..	2.7	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or at 1k. in excess of mean standard barometric level	Mean pressure in mb. At station level	Mean pressure in mb. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind speed (Km. p.h.) 0 to 2	2 to 6	7 to 10	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SABARMATI CATCHMENT																											
DAROI	0830		..	..	..	22.8	15.5	9.0	11.7	44	..	.	..	..	.	..	..	.	..	..	..	..	..	..	..	..	..
	1730		..	..	..	31.9	16.9	1.6	7.1	15	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GANDAK CATCHMENT																											
JAMOSOM	0830		..	..	..	4.7	2.9	- 1.9	5.4	56	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	7.7	4.3	0.7	6.5	63	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	0830		..	..	..	16.0	12.8	10.1	12.5	69	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	20.1	16.5	13.8	16.5	69	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830		..	..	..	9.7	5.7	0.9	6.7	57	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	14.7	8.9	2.3	7.6	48	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
POKHARA	0830		..	..	..	16.9	12.3	8.3	11.1	59	..	3.0	..	0.6	0	0	6	04	0	0	1	0	0	0	1	25	0
	1130		..	..	..	21.6	13.9	7.1	10.3	41	..	3.3	..	6.4	0	0	26	00	0	5	12	8	1	0	0	5	0
	1730		..	..	..	20.8	13.8	7.7	10.8	47	..	4.6	..	5.5	0	0	27	02	0	1	10	6	4	1	3	4	0
GORKHA	0830		..	..	..	16.6	12.1	8.0	10.9	59	..	1.9	..	..	.	..	..	00	3	3	4	3	3	2	0	13	0
	1130		..	..	..	20.1	13.9	8.7	11.4	50	..	3.0	..	..	.	..	..	00	1	1	4	4	20	1	0	0	0
	1730		..	..	..	19.0	12.9	7.5	10.5	49	..	4.1	..	..	.	..	..	00	4	0	2	5	14	3	0	3	0
NUWAKOT	0830		..	..	..	16.3	12.1	8.0	11.1	62	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	19.9	12.4	5.0	9.0	41	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT (TRANS HIMALAYAN REGION)																											
DAILEKH	0830		..	..	..	13.9	9.8	5.4	9.1	58	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	16.5	11.1	5.8	9.4	52	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT																											
DADELDHURA	0830		(R)																								
	1730		(R)																								
SALLYANA	0830		..	..	..	15.0	10.3	5.5	9.1	54	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	16.4	10.6	4.6	8.7	49	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BUTWAL	0830		..	..	..	21.5	15.1	9.4	12.0	47	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	26.0	16.7	8.6	11.6	36	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BAGHMATI CATCHMENT																											
KATMANDU	1730																										
	0830			[illegible] NEPAL																							
KOSI CATCHMENT																											
CHAUTARA	0830			Temporarily closed																							
	1730																										
WALUNGCHUNG GOLA	0830		..	..	..	3.9	2.7	1.1	6.1	83	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	2.7	1.7	0.5	6.4	87	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHOK	0830		..	..	..	14.0	10.4	6.7	10.0	63	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	16.1	10.7	5.2	9.0	51	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BHOJPUR	0830		..	..	..	13.8	9.9	6.2	9.7	63	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	13.6	9.9	6.4	9.9	64	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLEJUNG	0830		..	..	..	11.8	8.7	5.8	9.3	69	..	3.9	..	0.8	0	0	10	05	2	0	0	0	0	1	2	21	0
	1130		..	..	..	15.1	10.2	5.7	9.3	57	..	5.0	..	4.9	0	0	26	03	1	0	2	8	2	8	2	5	0
	1730		..	..	..	13.3	9.3	5.4	9.2	62	..	5.4	..	7.4	0	0	24	02	0	3	7	12	0	0	0	7	0
OKHALDHUNGA	0830		..	..	..	12.5	8.9	5.4	9.1	64	..	2.3	..	2.3	0	0	19	01	0	1	0	6	4	4	3	12	0
	1130		..	..	..	15.5	9.9	4.4	8.6	52	..	3.1	..	4.6	0	1	24	01	0	1	0	9	4	9	1	6	0
	1730		..	..	..	13.0	9.0	4.9	8.8	60	..	4.0	..	8.3	0	2	23	00	0	0	0	1	7	17	0	6	0
CHAINPUR	0830		..	..	..	15.5	12.0	9.0	11.6	67	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	16.4	12.4	9.1	11.6	63	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ANGSUNG	0830		..	..	..	16.3	11.9	7.9	10.8	60	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	17.1	12.0	7.2	10.4	55	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BARAHAKSHETRA	0830	146	1012.8	998.9	..	20.3	15.6	11.6	14.0	59	..	2.5	..	1.5	0	0	17	00	1	4	2	1	5	1	1	14	0
	1130	146	1011.1	994.5	..	25.7	18.0	12.1	14.3	46	..	2.7	..	6.2	0	0	30	00	0	0	0	0	5	25	0	1	0
	1730	146	1007.8	991.2	..	24.9	17.6	11.7	14.3	47	..	3.4	..	1.2	0	0	14	00	1	6	2	1	0	4	0	17	0
TISTA CATCHMENT																											
GANGTOK	0830	1812	1499.1	819.1	..	10.4	8.4	6.6	9.7	77	..	5.0	..	2.1	0	0	12	08	5	0	0	1	1	0	0	19	0
	1130	1812	1489.3	818.8	..	15.0	10.7	7.1	10.1	62	..	5.3	..	5.8	0	0	28	03	0	0	1	5	16	3	0	3	0
	1730	1812	1469.0	816.3	..	12.0	9.4	7.2	10.2	75	..	7.4	..	4.9	0	3	20	04	3	0	5	8	1	2	0	8	0
GEZING	0830		..	..	..	12.4	10.4	8.8	11.4	80	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	14.2	11.5	9.3	11.8	74	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA

SUB-DIVISION AND STATION	Time of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gms. of normal standard barometric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Halwara (Aerodrome)	0530	242	1010.9	982.3	..	11.8	10.3	8.9	11.4	80	..	3.5	..	6.6	0	1	18	05	3	2	1	0	0	1	7	12	0
	1130	242	1012.2	984.6	..	23.3	15.9	9.3	11.7	43	..	3.4	..	15.8	0	5	26	05	0	2	7	1	2	5	9	0	0
	2330	242	1011.7	983.3		13.7	12.2	10.5	12.7	79	..	2.7	..	8.1	0	1	17	04	1	3	3	1	0	1	5	13	0
Bikaner P.B.O.	1430	224	1008.6	984.2	..	28.9	17.1	4.6	8.5	26	..	3.2	..	0.6	0	0	29	09	2	0	2	3	5	2	6	2	0
	2030	224	1009.8	984.3		28.9	15.1	7.5	10.4	41	..	2.5	..	3.0	0	1	13	06	2	0	1	1	1	1	2	17	0
Bhuntar	1130	1096	1503.8	892.2	..	14.7	9.9	4.7	8.5	53	..	4.2	..	5.0	0	2	24	06	3	6	5	4	0	1	1	5	0

MONTHLY MEANS OF UPPER WINDS

During the month, observations of velocity and direction of upper winds were made at 55 stations in India. Out of these, at 40 stations all the observations were taken by means of pilot balloons and at 15 stations some observations were made by means of pilot balloons while the other observations by the radiowind method. In the case of Bangalore, the observations were taken by following radiosonde balloon by means of an optical theodolite. Particulars of these stations, their co-ordinates and the approximate times of the regular pilot balloon and rawin ascents at each station are given in the table overleaf. All radiowind ascents have been indicated by means of an asterisk (*) against the scheduled hours.

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

Data upto 9.0 km. above mean sea level are given under Table IV and data above 9.0 km. above mean sea level under Table V.

In Tables IV and V :

N = represents the number of observations;

S = represents the mean wind speed in metres per second irrespective of direction;

V = represents the resultant mean velocity in metres per second;

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

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

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

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS IN INDIA

S. No.	Stations	Latitude ° ' N	Longitude ° ' E	Height of anemometer head a.m.s.l. in metres	Date of Opening **	Approximate Times of flight (I.S.T.)			
1.	Agartala	23 53	91 15	17	28th Nov. 1951	0530	1130	1730	2330
2.	Ahmadabad	23 04	72 38	61	19th May. 1928	0530*	1130	1730*	2330
3.	Allahabad/Bamhrauli	25 27	81 44	103	28th Feb. 1930	0530		1730	2330
4.	Ambala	30 23	76 46		1st Apr. 1941	0530	1130	1730	2330
5.	Amini	11 07	72 44	14	15th May. 1965	0530		1730	2330
6.	Anantapur	14 41	77 37	365	12th Feb. 1946	0530		1730	2330
7.	Asansol	23 41	86 59	135	29th May. 1942	0530	1130	1730	2330
8.	Aurangabad/Chikalthan	19 51	75 24	583	7th Oct. 1951	0530		1730	2330
9.	Bahraich	27 34	81 36	134	1st Oct. 1961	0530		1730	
10.	Bangalore	12 58	77 35	936	19th May. 1915	0530●	1130	1730●	2330
11.	Bareilly	28 22	79 24	181	12th Jan. 1943	0530		1730	
12.	Begampet	17 27	78 28	543	1st Sep. 1929	0530	1130	1730	2330
13.	Bhagalpur	25 14	86 57	61	19th May. 1950	0530	1130	1730	
14.	Bhopal/Bairagarh	23 17	77 21	532	26th Feb. 1943	0530		1730	2330
15.	Bhubaneshwar	20 15	85 50	54	5th Dec. 1942	0530	1130	1730	2330
16.	Bhuj/Rudramata	23 15	69 48	90	14th Sep. 1937	0530		1730	2330
17.	Bikaner	28 00	73 18	229	18th Oct. 1946	0530		1730	2330
18.	Bombay/Santa Cruz	19 07	72 51	27	14th May. 1933	0530*	1130	1730*	2330
19.	Calcutta/Dum Dum	22 39	88 27	13	14th May. 1921	0530*	1130	1730*	2330
20.	Cochin/Willingdon +	09 56	76 14	13	16th Mar. 1942	0530		1730	2330
21.	Dehra Dun	30 19	78 03	692	1st Oct. 1958	0530		1730	
22.	Dibrugarh/Mohanbari	27 29	95 01	112	1st Jun. 1948	0530	1130	1730	2330
23.	Gadag	15 25	75 38	650	3rd May. 1943	0530		1730	2330
24.	Gangtok	27 20	88 16	1764	1st May. 1963	0530		1730	
25.	Gauhati	26 05	91 43	55	12th Mar. 1955	0530*	1130	1730*	2330
26.	Gaya	24 45	84 57	119	19th Mar. 1937	0530	1130	1730	2330
27.	Goa/Dabolim	15 23	73 49	228	Jul. 1965	0530		1730	2330
28.	Gopalpur	19 16	84 53	24	15th Feb. 1946	0530		1730	2330
29.	Gorakhpur	26 45	83 22	83	5th Jan. 1943	0530		1730	
30.	Gwalior	26 14	78 15	208	7th May. 1938	0530	1130	1730	2330
31.	Imphal/Tulihal	24 46	93 54	782	8th Mar. 1952	0530	1130	1730	2330
32.	Jabalpur	23 10	79 57	402	30th Jul. 1928	0530		1730	2330
33.	Jagdalpur	19 05	82 02	562	25th Mar. 1948	0530		1730	2330
34.	Jaipur/Sanganer	26 49	75 48	403	6th Jun. 1953	0530		1730	2330
35.	Jamshedpur	22 49	86 11	144	23rd Jul. 1942	0530		1730	
36.	Jharsuguda	21 55	84 05	240	1st May. 1944	0530		1730	2330
37.	Jodhpur	26 18	73 01	229	15th Oct. 1934	0530*	1130	1730*	2330
38.	Lucknow/Amausi	26 45	80 53	133	20th Nov. 1950	0530*	1130	1730*	2330
39.	Madras/Minambakkam	13 00	80 11	29	8th Apr. 1926	0530*	1130	1730*	2330
40.	Mangalore/Bajpe	12 55	74 53	104	25th May. 1959	0530		1730	2330
41.	Minicoy	08 18	73 00	15	14th Apr. 1941	0530	1130	1730*	2330
42.	Nagpur/Sonegaon	21 06	79 03	316	23rd Apr. 1943	0530*	1130	1730*	2330
43.	New Delhi/Safdarjung	28 35	77 12	227	20th Oct. 1936	0530*	1130	1730*	2330
44.	Poona	18 32	73 51	593	5th Jan. 1925	0530		1730	2330
45.	Port Blair	11 40	92 43	95	29th Oct. 1945	0530*	1130	1730*	2330
46.	Raipur	21 14	81 39	308	15th Jul. 1944	0530		1730	2330
47.	Raxaul	26 59	84 51	83	28th Oct. 1957	0530		1730	
48.	Srinagar	34 05	74 48	1595	1st Aug. 1962	0530*		1730*	
49.	Tiruchchirappalli	10 46	78 43	96	22nd Jun. 1936	0530		1730	2330
50.	Trivandrum	08 29	76 57	73	8th Dec. 1928	0530*	1130	1730*	2330
51.	Udaipur	24 35	73 42	587	24th Jun. 1947	0530		1730	2330
52.	Vengurla	15 52	73 38	8	22nd Nov. 1941	0530		1730	2330
53.	Veraval	20 54	70 22	17	13th Oct. 1941	0530		1730	2330
54.	Vijaywada/Gannavaram	16 32	80 48	32	8th Apr. 1942	0530		1730	2330
55.	Vishakhapatnam	17 43	83 14	10	24th Sep. 1928	0530*	1130	1730*	2330

* Radiowind ascents.

● Radiosonde ascents followed by optical theodolite.

\+ Naval Meteorological Office.

** Refers to date from which data are available.

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

MARCH 1967.(PHALGUNA 10,1888 SAKA - CHAITRA 10,1889 SAKA)

STATION	AGARTALA																AHMADABAD							
TIME IN I.S.T.	0530				1130				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.3	00.7	141	31	01.9	00.7	214	31	01.8	01.3	203	31	02.1	01.5	157	31	01.7	00.8	335	31	02.2	00.5	108
0.15 A.G.L.	29	05.1	01.7	156	31	03.1	01.5	208	30	04.5	03.2	218	31	06.5	03.9	170	31	07.1	03.7	331	31	03.7	00.0	028
0.3A.M.S.L.	29	05.3	01.7	203	31	03.1	01.5	202	30	04.7	03.5	214	31	06.5	04.5	191	31	07.3	03.9	328	31	04.0	00.1	309
0.6 ,,	29	04.9	02.7	234	31	03.9	02.5	202	30	04.6	03.6	219	31	05.9	04.9	213	31	07.5	03.9	325	31	04.0	00.6	304
0.9 ,,	28	05.0	03.9	248	31	03.8	02.7	217	30	04.5	03.7	225	31	05.8	05.0	231	31	07.1	03.8	296	31	04.6	01.6	279
1.5 ,,	27	06.4	05.4	257	31	05.5	04.3	251	29	05.7	04.5	235	31	07.3	06.3	258	31	07.8	05.8	269	30	05.6	04.1	279
2.1 ,,	25	07.8	06.9	270	26	08.1	06.8	264	28	07.9	06.8	256	29	08.5	07.9	266	31	09.3	07.9	255	30	06.6	05.7	260
3.0 ,,	22	11.0	10.4	280	09	10.9	08.9	263	23	12.8	11.9	278	24	11.2	10.5	270	31	12.3	10.7	250	28	09.3	07.8	259
3.6 ,,	14	13.6	12.6	285					17	14.8	13.6	283	02	10.0	09.5	264	30	13.1	11.9	255	24	09.9	08.7	269
4.5 ,,	10	14.6	13.8	282					12	18.2	17.2	286					28	16.3	14.5	264	21	13.0	12.0	272
5.4 ,,	08	16.0	14.3	283					08	19.3	17.9	284					28	21.5	19.7	265	19	15.7	14.6	277
6.0 ,,	05	18.4	16.0	286					07	19.7	18.9	289					27	22.4	20.7	265	18	17.3	16.2	281
7.2 ,,	02	22.0	18.6	298					02	10.0	10.0	303					25	27.7	26.5	271	14	23.9	21.6	283
9.0 ,,									02	15.0	14.9	309					20	35.9	33.9	267	11	26.2	24.6	276

STATION	AHMADABAD								ALLAHABAD/BAMHRAULI								AMBALA			
TIME IN I.S.T.	1730*				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.5	01.5	306	31	01.1	00.6	242	31	00.4	00.2	283	31	01.4	00.8	296	31	00.7	00.1	217	31	01.6	00.2	107
0.15 A.G.L.	31	04.9	03.2	280	31	05.8	03.5	313	31	04.8	00.8	302	31	05.5	03.2	326	30	06.7	03.6	347	31	07.8	01.4	013
0.3A.M.S.L.	31	05.0	03.2	278	31	06.6	04.2	315	31	05.3	00.8	307	31	05.5	03.2	323	30	07.1	03.7	343	31	03.6	01.0	010
0.6 ,,	31	05.0	03.3	280	31	06.5	04.2	314	31	06.6	01.9	292	31	06.2	03.4	307	30	06.9	03.5	322	31	08.0	01.1	350
0.9 ,,	31	05.0	03.7	284	30	05.6	04.1	311	31	07.0	03.7	294	31	06.1	04.0	302	30	06.5	04.1	305	31	07.8	00.1	179
1.5 ,,	31	05.9	04.3	278	30	05.9	04.4	278	31	08.4	06.7	291	31	06.9	06.1	287	29	07.1	06.5	281	30	06.4	00.4	267
2.1 ,,	31	07.9	06.4	269	30	07.1	05.0	263	31	09.0	08.0	284	30	08.5	08.5	283	26	09.0	08.4	273	28	05.3	03.2	310
3.0 ,,	31	10.9	10.1	259	29	08.2	06.5	257	26	11.8	11.1	284	30	13.4	12.5	284	17	09.2	08.5	287	21	07.5	06.4	292
3.6 ,,	31	14.2	12.9	255	05	10.4	08.8	245	19	10.9	10.3	284	24	15.4	14.8	281	07	10.3	09.1	305	19	09.4	08.4	282
4.5 ,,	29	15.9	14.5	258	01	08.0	08.0	330	18	12.9	11.3	279	21	16.9	16.4	285					15	11.8	10.6	282
5.4 ,,	27	17.6	16.3	266					10	15.0	13.4	283	09	17.4	16.0	286					13	15.8	13.9	290
6.0 ,,	25	19.9	18.8	265					08	15.5	14.5	286	05	14.4	13.5	299					12	17.9	16.3	288
7.2 ,,	21	23.6	22.4	275					04	21.3	20.3	302	01	15.0	15.0	310					02	09.5	07.3	325
9.0 ,,	19	33.3	32.0	273					01	22.0	22.0	320												

STATION	AMBALA												AMINI											
TIME IN I.S.T.	1130				1730				2330				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.0	00.3	150	31	02.1	00.6	284	31	02.2	00.3	325	31	02.5	02.0	337	31	02.6	02.3	344	31	02.4	02.2	311
0.15 A.G.L.	31	05.5	00.2	196	31	06.4	02.8	307	28	08.6	04.6	329	31	04.0	03.5	348	31	03.6	03.3	352	31	03.5	02.9	327
0.3A.M.S.L.	31	03.1	00.5	126	31	03.7	02.1	313	28	03.7	01.8	332	31	04.3	03.7	347	31	03.6	03.2	353	31	03.6	03.0	326
0.6 ,,	31	06.5	00.3	307	31	07.1	02.1	298	28	08.5	04.7	326	31	04.2	03.4	344	31	03.3	02.7	358	31	03.4	02.5	329
0.9 ,,	30	06.9	00.9	002	31	07.3	01.7	281	28	07.4	03.8	329	31	03.9	02.0	338	30	03.0	01.6	020	31	03.3	01.7	339
1.5 ,,	29	06.7	00.3	082	30	07.2	01.2	305	28	05.6	02.0	317	29	04.8	02.1	110	28	04.0	01.2	086	30	04.9	01.6	079
2.1 ,,	27	06.3	00.6	260	25	05.3	02.2	287	26	05.0	01.9	285	27	06.8	05.0	120	28	05.5	03.2	078	29	06.6	04.2	092
3.0 ,,	22	06.0	03.5	291	22	05.5	03.0	300	28	07.3	04.0	280	20	07.2	04.5	113	25	06.1	03.1	083	25	08.7	06.7	094
3.6 ,,	20	06.7	05.0	285	22	07.5	04.9	289	05	09.0	06.2	277	17	07.2	03.4	112	25	07.0	04.3	081	15	07.6	05.9	086
4.5 ,,	19	10.3	08.8	276	20	10.3	08.7	283	01	09.0	09.0	096	08	07.3	04.7	079	22	08.1	03.7	065	06	07.5	02.8	079
5.4 ,,	17	15.2	13.6	286	19	12.9	11.4	284	01	13.0	13.0	105					19	07.9	02.5	083	02	10.5	10.5	052
6.0 ,,	17	15.8	16.9	282	18	15.8	14.0	280	01	13.0	13.0	105					18	08.2	02.3	032				
7.2 ,,	04	19.8	17.9	292	04	22.5	22.0	287	01	10.0	10.0	130					11	09.5	02.1	010				
9.0 ,,					02	30.5	29.6	296									03	12.3	07.3	308				

STATION	ANANTAPUR												ASANSOL											
TIME IN I.S.T.	0530				1730				2330				0530				1130				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.1	00.7	214	31	03.1	02.1	081	31	04.1	03.5	101	31	00.9	00.5	308	31	01.7	00.6	308	31	01.9	00.9	320
0.15 A.G.L.	31	04.4	02.2	194	31	04.4	02.1	090	31	08.2	07.4	114	31	04.3	01.2	315	31	03.7	01.3	281	31	03.9	01.2	321
0.3A.M.S.L.													31	04.7	01.3	310	31	03.7	01.3	309	31	04.1	01.4	318
0.6 ,,	31	05.2	02.8	203	31	04.1	02.4	092	31	08.6	07.7	115	31	06.1	02.5	307	31	03.9	01.8	287	31	04.4	01.9	303
0.9 ,,	31	06.0	02.4	179	31	03.8	02.2	099	31	08.0	06.8	120	30	05.8	03.3	294	30	04.5	02.7	283	31	04.4	02.5	283
1.5 ,,	31	06.6	02.6	130	31	04.6	02.3	109	31	04.8	02.9	109	28	07.1	05.5	278	28	06.1	05.1	280	31	05.8	04.7	280
2.1 ,,	31	05.7	02.2	091	31	04.9	01.8	108	30	04.2	01.2	077	28	09.3	07.9	278	22	08.9	08.0	279	28	08.4	07.8	280
3.0 ,,	29	06.7	03.2	048	30	05.7	00.9	087	30	05.3	01.2	337	25	12.0	11.0	281	16	10.9	09.2	268	27	13.8	12.7	284
3.6 ,,	28	07.2	03.3	050	29	06.7	00.6	274	21	05.3	02.2	338	24	13.1	12.0	281					22	16.8	16.1	289
4.5 ,,	27	07.6	02.6	320	27	07.3	03.7	275	12	06.8	04.3	320	15	15.1	13.7	282					22	18.4	17.8	290
5.4 ,,	27	08.9	03.8	302	24	08.2	05.3	290	04	05.0	03.6	015	11	18.7	17.9	281					18	20.4	20.0	270
6.0 ,,	27	09.2	04.8	300	24	08.7	06.4	288	02	05.5	05.3	020	08	19.9	19.0	284					16	22.0	21.0	288
7.2 ,,	25	09.8	06.9	307	20	13.9	10.5	290	01	05.0	05.0	335	05	19.6	19.2	275					09	24.1	22.5	280
9.0 ,,	19	12.3	09.9	299	04	18.3	16.9	292					02	29.5	28.5	276					03	28.0	23.0	295

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

MARCH 1967.(PHALGUNA 10,1888 SAKA - CHAITRA 10,1889 SAKA)

STATION	ASANSOL	AURANGABAD/CHIKALTHAN				BAHRAICH			
TIME IN I.S.T.	2330	0530		1730		2330		0530		1130	
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	31 01.1 00.1 213	31 02.0 01.3 299	31 03.8 02.6 286	31 03.3 02.3 323	31 02.3 00.5 325	31 02.0 00.3 294
0.15 A.G.L.	31 05.5 01.0 077	31 04.7 01.6 341	31 05.1 04.0 268	31 07.6 05.4 337	28 06.5 02.1 317	29 04.4 01.3 293
0.3A.M.S.L.	31 05.5 01.0 268				28 06.6 02.3 320	29 04.5 01.3 297
0.6 ,,	31 06.0 02.8 272				28 07.6 05.1 301	29 05.0 02.6 291
0.9 ,,	31 06.9 04.0 276	31 05.7 02.2 360	31 04.9 03.9 277	31 08.8 06.9 339	28 07.3 05.6 304	28 06.1 04.2 287
1.5 ,,	31 08.1 06.3 272	31 06.4 02.6 340	31 05.1 04.0 287	31 07.8 06.2 320	24 05.8 04.7 297	23 06.6 05.0 277
2.1 ,,	28 09.3 08.0 269	31 05.5 02.9 290	31 05.4 04.4 286	31 06.3 04.3 296	19 06.6 05.9 295	23 07.4 06.4 285
3.0 ,,	17 12.3 11.5 268	31 05.7 03.5 253	29 06.2 04.6 266	30 05.9 03.4 245	12 08.9 07.6 302	18 08.8 07.8 293
3.6 ,,	12 11.8 11.3 281	30 07.7 05.4 244	25 07.0 04.8 258	29 06.3 04.7 220	09 08.7 07.9 309	17 09.3 08.2 293
4.5 ,,	04 12.5 11.0 279	23 08.6 06.2 257	22 08.3 05.8 273	24 08.0 07.1 235	07 10.4 10.1 294	13 09.9 08.3 287
5.4 ,,	01 07.0 07.0 005	16 10.3 07.7 264	16 09.0 06.9 282	20 09.9 08.1 270	06 13.5 13.2 295	12 12.6 11.8 284
6.0 ,,		07 09.7 07.4 289	14 10.2 07.6 289	12 09.3 08.2 281	04 14.0 13.8 302	10 14.5 13.3 293
7.2 ,,		03 09.7 09.1 322	10 15.0 14.3 284	04 13.3 11.5 288		06 15.8 15.1 295
9.0 ,,			06 18.7 17.7 277			01 12.0 12.0 270

STATION	BAHRAICH	BANGALORE				BAREILLY
TIME IN I.S.T.	1730	0530	1130	1730	2330	0530
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	31 02.4 01.2 282	31 02.4 01.4 140	31 02.6 01.4 089	31 03.2 02.3 088	31 04.2 03.1 114	31 01.9 00.3 333
0.15 A.G.L.	29 05.4 03.9 291	30 04.7 02.4 162	31 04.0 01.6 110	31 04.9 03.8 100	31 08.5 07.7 124	29 09.1 04.0 330
0.3A.M.S.L.	29 05.8 04.1 289					29 08.5 03.5 333
0.6 ,,	28 06.1 04.7 287					29 09.1 05.1 309
0.9 ,,	27 06.0 04.7 287					29 08.1 05.0 296
1.5 ,,	23 07.4 07.2 288	30 05.4 01.9 141	31 04.3 02.4 097	31 05.3 03.8 100	31 08.6 06.3 122	27 07.1 04.8 294
2.1 ,,	21 07.0 06.5 288	29 05.9 02.7 087	28 06.3 04.1 082	31 04.9 03.2 092	31 06.1 02.6 103	24 07.3 05.8 291
3.0 ,,	16 08.5 08.3 297	29 06.3 03.5 068	26 06.7 04.1 081	31 05.1 02.3 060	30 05.9 02.3 051	18 07.5 06.8 291
3.6 ,,	13 10.2 09.8 292	28 06.7 02.8 061	25 06.4 03.5 077	29 05.2 01.8 046	29 05.4 02.7 049	14 08.7 07.9 291
4.5 ,,	09 13.3 12.7 301	28 07.1 01.4 021	24 06.4 02.7 042	29 05.7 01.5 005	18 07.3 03.3 048	10 08.8 07.6 286
5.4 ,,	07 16.3 15.2 306	28 07.8 02.0 343	23 06.7 01.9 028	29 07.4 03.0 346	08 07.7 05.0 001	08 12.0 10.6 277
6.0 ,,	05 15.4 14.5 308	28 09.0 03.9 309	22 06.5 02.1 360	29 08.3 03.9 337	02 05.5 02.5 352	05 11.6 10.4 284
7.2 ,,	04 17.0 15.5 316	28 11.3 06.1 299	21 08.5 03.5 321	29 11.7 06.2 309	02 07.0 02.6 303	01 13.0 13.0 310
9.0 ,,		18 10.8 06.9 310	13 11.8 04.3 290	24 13.4 08.9 285	02 09.5 07.7 251	01 16.0 16.0 295

STATION	BAREILLY	BEGAMPETH				BHAGALPUR
TIME IN I.S.T.	1730	0530	1130	1730	2330	0530
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	31 03.0 01.3 311	31 01.6 00.9 155	31 02.6 01.6 176	31 03.0 02.1 117	31 02.3 01.2 114	31 01.8 00.5 232
0.15 A.G.L.	31 06.4 03.2 297	31 05.6 03.6 177	31 04.1 02.8 173	31 04.7 02.9 123	31 07.0 05.2 132	29 06.1 02.1 244
0.3A.M.S.L.	31 06.2 03.2 296					29 06.1 02.4 268
0.6 ,,	31 07.6 03.6 289	31 04.0 02.3 170	31 03.9 02.3 172	31 04.5 02.8 124	31 04.9 03.1 129	29 07.0 04.0 291
0.9 ,,	30 07.1 03.2 285	31 06.6 04.8 178	31 04.0 01.9 173	31 05.2 03.4 136	31 07.5 06.1 142	29 07.3 05.0 293
1.5 ,,	29 06.2 03.3 274	30 06.7 04.2 182	30 05.7 03.3 170	31 04.9 03.1 148	31 05.8 03.5 164	28 07.8 06.5 285
2.1 ,,	27 06.5 05.0 282	30 05.8 01.3 234	30 05.9 01.6 191	30 04.9 02.0 180	30 05.1 02.2 237	24 08.8 07.7 281
3.0 ,,	24 07.4 06.0 286	28 06.8 02.3 305	30 07.0 01.6 257	28 05.9 01.9 255	28 06.6 04.3 306	12 11.2 10.5 280
3.6 ,,	22 09.0 07.9 288	27 07.8 02.7 295	29 07.7 02.5 271	28 07.7 03.6 277	05 10.0 07.2 323	08 13.5 13.0 284
4.5 ,,	17 11.1 09.8 287	22 07.4 04.2 280	28 08.7 04.3 277	22 09.0 04.6 295		04 20.5 15.5 282
5.4 ,,	11 13.8 12.9 291	19 09.4 06.6 296	21 10.7 07.6 293	18 08.8 06.8 289		01 12.0 12.0 345
6.0 ,,	07 13.9 13.4 277	16 11.6 09.7 289	20 11.7 09.7 288	18 10.5 08.9 287		
7.2 ,,	05 11.0 09.6 272	15 14.0 12.6 284	15 13.7 12.2 289	12 13.9 12.7 282		
9.0 ,,	04 19.7 18.5 287	08 18.3 17.4 290	05 17.4 16.0 280	07 21.9 21.0 290		

STATION	BHAGALPUR		BHOPAL/BAIRAGARH			BHUBANESWAR
TIME IN I.S.T.	1130	1730	0530	1730	2330	0530
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	31 01.9 00.5 277	31 01.8 00.9 296	31 01.8 01.3 088	31 03.2 01.8 288	31 03.1 01.3 021	31 02.6 01.6 232
0.15 A.G.L.	29 04.4 01.0 300	30 05.6 03.3 301	31 06.2 03.1 088	30 05.0 03.0 287	31 07.4 03.3 010	27 05.7 03.8 245
0.3A.M.S.L.	29 04.7 01.1 311	30 05.6 04.0 295				27 06.7 04.9 238
0.6 ,,	29 05.1 01.9 284	30 06.0 04.2 292	31 05.5 02.6 098	30 04.5 02.5 287	31 06.5 02.9 017	26 07.1 05.4 244
0.9 ,,	28 05.6 02.4 286	30 06.0 04.7 276	31 06.6 01.9 075	30 05.5 03.9 286	31 06.8 02.9 345	26 06.3 05.0 254
1.5 ,,	22 07.5 05.5 285	27 08.0 07.6 267	31 05.1 02.1 289	29 05.4 04.1 284	31 05.4 03.8 279	25 06.2 04.8 277
2.1 ,,	15 07.6 06.4 291	23 10.0 09.7 273	30 07.5 06.2 274	29 06.1 05.1 274	31 06.6 05.4 258	24 08.1 06.1 284
3.0 ,,	04 06.5 06.1 275	15 11.4 10.8 284	28 11.4 10.6 269	28 08.6 08.1 273	25 09.0 08.1 260	20 08.5 06.9 303
3.6 ,,		08 11.1 10.8 288	26 12.1 11.4 268	26 10.9 10.3 273	19 09.6 08.8 272	15 09.5 08.0 301
4.5 ,,		04 12.5 11.2 295	24 13.1 12.4 276	22 13.1 12.2 276		09 13.0 12.1 295
5.4 ,,		01 10.0 10.0 010	18 15.9 15.3 282	20 17.8 16.9 280		05 12.2 11.4 285
6.0 ,,		01 13.0 13.0 345	18 17.7 17.1 280	16 18.9 17.3 285		03 09.7 09.2 287
7.2 ,,			11 21.4 20.5 284	12 21.2 20.2 281		01 27.0 27.0 296
9.0 ,,			08 28.3 25.9 283	04 26.7 26.0 282		01 28.0 28.0 286

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

MARCH 1967.(PHALGUNA 10,1888 SAKA - CHAITRA 10,1889 SAKA)

STATION	BHUBANESWAR												BHUJ/RUDRAMATA											
TIME IN I.S.T.	1130				1730				2330				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	03.7	02.5	206	31	04.6	03.8	180	31	04.3	03.5	219	31	01.7	00.7	266	31	03.5	02.7	282	31	03.0	02.3	260
0.15 A.G.L.	30	05.0	03.8	221	30	06.6	05.7	182	30	08.3	07.7	208	31	05.8	03.4	304	30	04.8	03.0	292	31	06.7	04.5	281
0.3A.M.S.L.	30	05.0	03.7	224	30	06.9	06.1	195	30	09.6	09.0	213	31	06.5	03.6	309	30	04.9	03.3	288	31	06.8	04.4	283
0.6 ,,	30	05.2	03.7	237	30	06.7	05.6	204	30	10.1	09.5	221	31	07.1	03.7	307	30	04.9	03.4	282	30	06.9	04.3	285
0.9 ,,	30	05.9	04.1	247	29	06.0	04.3	227	29	08.2	07.0	233	31	06.7	04.0	292	30	04.9	03.4	277	30	07.0	04.2	290
1.5 ,,	27	06.1	04.4	268	29	07.0	04.8	274	27	06.6	04.5	275	30	06.0	04.2	280	29	05.3	04.0	277	28	06.0	02.9	291
2.1 ,,	17	08.5	06.2	287	24	06.8	06.0	295	26	07.3	06.6	291	28	07.5	05.3	263	29	07.0	05.4	275	26	06.7	03.1	262
3.0 ,,	11	09.5	06.5	299	20	09.8	08.6	309	17	08.6	07.9	298	24	07.9	05.6	270	28	10.1	08.5	268	25	07.9	05.7	265
3.6 ,,					15	09.1	07.7	310	02	05.0	05.0	301	03	12.3	09.0	254	26	11.5	09.5	270	08	07.4	05.7	269
4.5 ,,					10	11.3	09.8	300									20	12.5	10.6	274	02	08.5	08.3	238
5.4 ,,					05	16.8	14.7	300									17	14.9	13.3	277	01	10.0	10.0	279
6.0 ,,					04	16.5	15.1	290									17	17.3	15.3	278	01	16.0	16.0	295
7.2 ,,					02	16.5	16.2	283									12	19.1	17.8	279				
9.0 ,,																	04	26.0	25.2	288				

STATION	BIKANER												BOMBAY/SANTACRUZ											
TIME IN I.S.T.	0530				1730				2330				0530 *				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.8	00.2	107	31	01.5	00.7	287	31	00.9	00.2	350	31	00.4	00.1	009	31	01.1	00.4	291	31	05.3	04.7	296
0.15 A.G.L.	29	06.9	02.8	107	31	04.2	01.5	293	29	06.8	01.9	037	31	03.7	02.7	349	31	03.3	01.3	294	31	06.8	05.9	299
0.3A.M.S.L.	29	05.7	02.5	113	31	04.0	01.4	293	29	05.7	01.9	043	31	04.0	02.7	351	31	03.3	01.0	303	31	06.6	05.6	302
0.6 ,,	29	07.4	00.7	111	31	05.0	01.7	294	29	06.2	01.4	017	31	04.6	03.1	351	31	03.1	00.6	034	31	05.2	04.3	298
0.9 ,,	29	06.9	01.9	279	31	04.8	01.7	288	27	06.3	01.0	280	31	04.8	03.1	353	30	03.8	01.1	029	31	04.4	03.4	298
1.5 ,,	28	06.6	04.3	289	31	04.9	02.9	265	27	05.3	03.0	243	31	04.8	02.7	311	29	04.4	01.1	310	31	04.2	02.0	270
2.1 ,,	27	07.8	05.8	283	29	05.1	03.4	270	27	07.3	05.7	250	31	05.5	02.9	253	27	04.6	01.5	234	31	05.6	03.3	232
3.0 ,,	25	09.3	07.6	276	28	08.5	07.2	267	27	08.5	07.3	259	31	06.7	04.2	219	22	05.5	03.2	224	31	06.3	03.1	229
3.6 ,,	23	10.3	09.3	275	24	10.4	09.6	270	10	10.1	08.7	277	31	07.7	05.1	250	21	06.2	04.0	256	31	07.0	03.6	267
4.5 ,,	19	12.7	11.4	277	22	13.0	10.0	274	01	10.0	10.0	270	31	10.4	08.8	275	20	08.5	06.0	296	31	09.7	07.5	282
5.4 ,,	12	13.8	12.5	282	15	15.7	14.9	276					31	13.0	11.8	275	20	10.9	09.3	292	31	12.2	10.6	279
6.0 ,,	12	16.6	15.6	281	10	18.0	17.2	280					31	15.6	14.2	282	20	12.2	10.7	287	31	14.4	13.1	275
7.2 ,,	07	21.4	20.8	278	01	10.0	10.0	230					31	19.3	18.1	287	13	14.2	12.8	276	31	17.8	17.1	282
9.0 ,,	02	38.5	37.7	277	01	05.0	05.0	295					31	24.9	23.9	289	11	18.6	18.1	277	31	25.0	24.2	288

STATION	BOMBAY/SANTACRUZ				CALCUTTA/DUM DUM																COCHIN/WILLINGDON †			
TIME IN I.S.T.	2330				0530*				1130				1730*				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.8	00.2	255	31	00.7	00.3	209	31	02.0	00.8	230	31	01.3	00.8	197	31	01.8	01.5	188	31	00.3	00.2	062
0.15 A.G.L.	31	04.1	02.2	325	31	05.1	03.6	235	31	03.6	01.9	242	31	04.5	02.8	215	31	06.8	05.5	201	31	03.3	02.8	018
0.3A.M.S.L.	31	04.8	03.3	330	31	05.6	03.8	250	31	03.6	02.2	240	31	04.6	03.0	219	31	07.2	06.1	214	31	03.3	02.8	350
0.6 ,,	31	05.0	03.7	328	31	06.1	03.9	256	31	04.2	02.6	250	31	04.6	03.0	224	31	07.1	06.0	225	31	03.0	02.2	348
0.9 ,,	30	05.0	03.9	322	31	06.2	04.2	266	31	05.1	03.5	256	31	05.3	03.4	236	30	06.7	05.5	240	31	02.3	00.8	010
1.5 ,,	30	04.3	02.4	304	31	07.1	05.6	275	30	07.1	05.6	266	31	05.9	04.7	268	27	06.3	04.9	272	31	03.7	02.6	060
2.1 ,,	30	05.3	02.8	264	31	09.3	08.0	282	27	10.6	08.7	280	31	08.5	07.7	283	25	09.9	09.1	286	31	05.6	04.3	060
3.0 ,,	30	06.9	03.1	229	31	12.3	11.2	278	22	13.5	12.3	280	31	14.0	13.2	285	18	14.2	13.2	286	28	06.2	03.4	102
3.6 ,,	26	07.9	02.7	239	31	13.6	12.3	280	17	16.0	14.6	291	31	15.2	14.5	287	02	08.0	06.8	245	17	04.3	01.7	120
4.5 ,,	19	09.9	07.4	263	31	15.1	13.9	278	15	19.9	18.5	283	31	15.9	15.1	287								
5.4 ,,	07	08.6	07.1	293	31	18.0	17.3	277	12	23.8	23.0	290	31	18.1	16.9	280								
6.0 ,,	03	08.0	06.9	273	31	20.3	19.5	280	09	23.6	23.0	281	31	20.5	19.4	282								
7.2 ,,					31	23.8	22.9	275	07	23.3	22.6	284	31	23.5	22.0	278								
9.0 ,,					30	26.4	25.0	276	02	29.0	29.0	277	31	30.1	27.5	276								

STATION	COCHIN/WILLINGDON †								DEHRADUN								DIBRUGARH/MOHANBARI							
TIME IN I.S.T.	1730				2330				0530				1730				0530				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	04.1	03.6	284	31	00.8	00.1	182	31	00.2	00.1	350	31	01.3	00.6	260	31	01.1	01.0	048	31	01.5	01.0	045
0.15 A.G.L.	31	05.7	05.4	279	28	02.3	01.2	326	30	01.9	01.1	099	30	03.2	01.5	244	30	05.5	04.9	053	31	03.1	02.6	052
0.3A.M.S.L.	31	06.5	06.1	277	28	02.3	01.7	317									30	05.5	04.5	051	31	03.1	02.6	054
0.6 ,,	31	04.8	04.5	277	28	02.5	02.1	308									30	04.9	03.8	053	31	04.1	03.3	064
0.9 ,,	31	03.3	01.8	281	28	02.2	00.3	300	30	02.1	01.1	105	30	03.4	01.6	245	30	04.0	02.3	081	31	04.0	02.8	090
1.5 ,,	31	04.7	03.7	075	27	03.8	03.1	090	30	02.8	00.9	147	30	03.3	01.2	210	29	03.8	01.3	173	30	03.7	02.3	192
2.1 ,,	31	06.6	05.9	074	27	05.8	04.6	079	30	04.0	00.6	230	28	03.8	00.7	250	24	04.9	02.6	230	26	05.0	04.4	221
3.0 ,,	30	07.4	05.7	075	18	06.2	03.9	080	24	05.4	04.5	285	23	04.6	02.0	289	13	05.5	04.0	239	19	06.3	05.2	236
3.6 ,,	27	05.6	03.5	077	05	06.4	04.8	101	23	07.8	07.0	290	22	06.0	04.4	295	08	04.9	03.3	244	17	06.1	05.1	252
4.5 ,,	27	05.7	02.8	065					20	11.6	10.9	280	17	11.3	09.8	290	06	07.3	05.2	297	10	07.6	06.6	263
5.4 ,,	20	05.9	02.1	014					17	16.1	14.1	276	15	18.0	10.8	290	04	11.0	07.8	303	07	10.8	09.9	268
6.0 ,,	15	06.4	02.6	010					16	18.6	17.7	276	13	22.5	21.7	282	03	18.0	14.4	312	06	11.0	10.1	279
7.2 ,,	02	07.0	05.6	306					06	20.3	18.8	277	05	21.0	20.1	289	03	22.0	16.8	292	06	20.5	16.5	287
9.0 ,,									02	17.5	17.5	273	01	14.0	14.0	267	03	35.3	34.7	284	04	30.2	23.7	294

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

MARCH 1967.(PHALGUNA 10,1888 SAKA - CHAITRA 10,1889 SAKA)

STATION	DIBRUGARH/MOHANBARI								GADAG												GANGTOK			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0830			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
URFACE	31	01.5	01.2	045	31	01.1	00.8	042	31	02.9	01.5	221	31	02.7	00.5	089	31	04.3	01.8	231	31	02.1	02.0	015
0.15 A.G.L.	30	04.0	03.0	043	24	04.5	04.1	051	30	06.2	01.8	222	31	04.2	00.7	075	31	08.7	03.2	230	24	01.7	01.4	356
0.3A.M.S.L.	30	04.2	03.1	047	24	04.7	04.3	051																
0.6 ,,	30	03.9	03.1	065	24	04.8	04.3	063																
0.9 ,,	30	04.0	02.8	085	24	04.1	03.4	082	30	07.0	00.7	213	31	06.6	00.9	089	31	08.6	02.2	221				
1.5 ,,	29	03.7	01.1	172	22	04.2	01.3	266	30	07.1	01.7	165	31	04.6	01.1	087	31	05.9	02.9	124				
2.1 ,,	26	05.8	04.8	223	21	05.2	04.3	239	30	05.9	01.6	130	31	04.7	01.1	100	31	05.2	03.6	106	24	01.1	00.6	330
3.0 ,,	25	07.9	07.1	231	16	07.3	05.9	251	30	05.8	01.5	083	30	04.6	01.0	082	31	05.5	02.3	089	24	02.0	01.0	137
3.6 ,,	19	08.9	06.7	233	13	07.4	05.9	262	30	06.2	01.4	091	29	05.3	01.0	026	30	05.9	01.1	031	19	02.9	01.2	228
4.5 ,,	12	10.8	07.8	257	01	11.0	11.0	270	29	07.8	02.6	313	25	08.1	04.3	315	19	07.8	03.8	300	17	12.1	09.6	265
5.4 ,,	08	13.5	09.0	265					28	08.3	04.3	304	22	08.4	04.5	303	10	10.3	08.5	287	15	15.5	13.6	266
6.0 ,,	06	09.3	05.7	302					27	08.9	05.4	307	22	08.8	05.8	304	03	11.0	10.4	278	11	15.2	12.9	270
7.2 ,,	03	09.3	06.3	310					26	12.7	10.5	298	19	11.9	10.1	306					05	15.4	15.2	285
9.0 ,,	01	13.0	12.9	325					23	15.0	13.1	278	15	14.2	13.2	292					04	26.5	21.6	275

STATION	GANGTOK				GAUHATI																GAYA			
TIME IN I.S.T.	1730				0530*				1130				1730*				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
URFACE	31	02.4	01.2	134	31	00.8	00.7	071	31	02.2	01.4	033	31	01.4	00.5	031	31	02.1	00.6	083	31	02.0	00.4	229
0.15 A.G.L.	16	03.4	02.8	172	31	03.5	02.4	078	31	03.0	02.1	041	31	04.4	01.5	024	29	03.8	01.7	096	31	04.5	01.0	233
0.3A.M.S.L.					31	03.6	02.4	076	31	03.3	01.9	040	31	04.5	01.6	019	29	04.0	01.4	159	31	04.8	00.7	257
0.6 ,,					31	04.3	01.1	084	30	03.3	01.0	002	30	05.6	01.4	308	29	04.1	00.7	180	31	05.8	02.4	299
0.9 ,,					31	05.1	01.1	259	30	04.0	02.6	266	31	04.8	01.9	273	28	04.2	01.3	255	31	06.1	03.3	295
1.5 ,,					31	06.3	05.5	255	28	06.6	05.4	245	31	06.5	05.2	251	26	06.1	05.4	193	31	07.5	05.9	286
2.1 ,,	16	03.7	03.4	177	31	09.9	08.9	260	28	09.4	08.8	250	31	09.9	09.2	244	22	07.6	07.1	190	29	10.2	09.2	281
3.0 ,,	13	04.1	03.4	150	31	13.2	12.6	267	22	11.2	10.3	260	31	12.9	11.8	255	18	11.4	10.5	187	26	13.5	12.8	280
3.6 ,,	08	05.3	03.5	187	31	15.0	14.4	261	20	13.7	12.7	265	31	15.8	14.2	262	03	10.0	09.2	269	23	15.2	14.1	283
4.5 ,,	03	07.3	07.3	228	31	19.5	18.2	273	16	15.6	14.3	276	30	19.1	17.7	272					20	15.9	15.2	289
5.4 ,,	02	11.5	10.9	258	30	21.7	19.7	272	14	19.6	17.4	276	29	21.7	20.8	273					12	16.9	16.2	288
6.0 ,,	01	24.0	24.0	255	30	22.0	19.8	271	14	22.2	19.6	264	28	21.5	20.2	271					08	16.5	15.5	291
7.2 ,,					24	21.3	19.6	261	06	25.0	22.0	269	26	23.6	22.0	274					01	17.0	17.0	345
9.0 ,,					24	30.6	27.5	273	01	32.0	32.0	245	23	27.7	26.0	271								

STATION	GAYA												GOA/DABOLIM											
TIME IN I.S.T.	1130				1730				2330				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
URFACE	31	02.8	01.6	305	31	03.3	02.4	320	31	02.8	00.4	230	31	02.7	02.0	016	31	06.5	05.9	305	31	04.1	03.5	001
0.15 A.G.L.	29	03.9	02.4	305	29	05.3	03.7	307	30	06.9	01.6	277	31	03.7	02.1	016	31	04.6	04.4	293	31	04.9	04.6	332
0.3A.M.S.L.	29	04.2	02.6	306	29	05.3	03.9	307	30	07.0	01.8	281	31	04.3	02.5	347	31	04.9	04.7	295	31	05.1	04.9	335
0.6 ,,	29	04.4	03.0	295	29	05.6	04.5	299	30	04.3	03.6	289	31	04.5	02.7	333	31	04.3	03.6	298	31	05.0	04.4	340
0.9 ,,	29	04.8	03.7	292	29	05.8	05.1	292	29	07.7	05.0	284	31	05.5	03.3	337	31	03.5	02.0	306	31	05.0	03.6	337
1.5 ,,	27	07.8	06.7	287	29	08.0	07.2	282	28	08.5	05.9	280	29	05.1	01.0	325	31	03.5	00.3	024	30	05.2	01.0	312
2.1 ,,	24	10.3	09.4	290	27	10.8	10.4	281	25	09.4	07.9	280	26	05.8	02.1	088	31	05.5	01.9	098	29	05.8	02.4	112
3.0 ,,	15	12.3	11.1	292	23	13.8	11.2	286	18	10.2	09.9	277	16	05.1	01.7	109	27	06.1	01.8	081	20	05.7	02.7	105
3.6 ,,					20	14.4	14.0	282	02	16.0	15.7	282	09	04.2	00.3	093	24	06.2	01.2	001	05	06.4	04.0	075
4.5 ,,					17	16.5	15.8	287	01	17.0	17.0	285	04	09.0	07.1	307	21	07.4	03.7	301	01	09.0	09.0	310
5.4 ,,					11	14.9	14.3	286									17	08.9	05.9	293				
6.0 ,,					10	15.3	14.8	291									14	08.4	05.1	296				
7.2 ,,					06	20.8	19.8	296									06	14.8	14.0	284				
9.0 ,,																	04	24.5	23.5	286				

STATION	GOPALPUR												GORAKHPUR								GWALIOR			
TIME IN I.S.T.	0530				1730				2330				0530				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
URFACE	31	02.6	01.4	247	31	06.0	05.2	194	31	05.6	04.6	220	31	01.2	00.1	340	31	01.5	00.8	266	31	00.8	00.1	288
0.15 A.G.L.	30	05.6	03.5	222	28	10.3	09.8	192	29	09.5	08.6	210	31	06.2	01.1	302	30	04.9	02.9	289	29	05.4	01.5	050
0.3A.M.S.L.	30	05.6	03.8	225	28	10.5	09.2	197	29	09.1	08.3	215	31	07.0	01.4	307	30	05.4	03.3	286	29	03.5	00.4	043
0.6 ,,	30	05.8	03.9	232	28	07.5	06.9	201	29	07.8	07.2	217	31	07.8	03.8	292	30	06.3	05.0	278	29	05.9	01.6	019
0.9 ,,	30	06.0	03.8	252	28	06.1	04.7	208	29	06.0	05.3	226	31	07.7	05.2	293	30	06.9	06.0	276	29	05.9	01.4	312
1.5 ,,	29	06.0	03.4	267	27	05.0	02.4	278	27	05.0	03.1	265	30	08.1	06.9	286	29	07.9	07.3	277	29	05.5	03.8	280
2.1 ,,	25	06.3	03.7	284	24	07.9	06.1	297	23	06.9	04.7	288	28	09.1	08.6	287	28	09.1	08.7	282	27	08.5	07.7	281
3.0 ,,	21	08.5	06.6	295	20	09.8	08.7	306	17	07.2	05.7	310	27	11.3	10.8	286	25	11.7	11.2	288	26	11.4	10.8	283
3.6 ,,	16	08.8	07.6	299	18	11.3	09.9	305					22	11.6	11.4	290	20	12.7	12.0	290	24	12.7	11.4	282
4.5 ,,	10	09.6	08.7	305	13	10.0	08.0	297					16	12.8	12.1	286	13	14.7	13.9	288	21	13.8	12.7	288
5.4 ,,	07	11.4	10.3	304	10	12.0	10.6	305					10	12.1	10.9	279	09	17.8	16.8	289	17	16.6	15.8	290
6.0 ,,	05	15.8	14.3	290	09	15.5	13.8	299					08	12.4	10.5	284	04	17.5	16.2	298	16	17.6	16.5	286
7.2 ,,													02	11.5	05.7	255	02	12.5	12.3	337	10	23.0	22.1	287
9.0 ,,																	01	16.0	16.0	250	04	36.0	34.1	290

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

MARCH 1967.(PHALGUNA 10,1888 SAKA - CHAITRA 10,1889 SAKA)

STATION	GWALIOR																IMPHAL/TULIHAL							
TIME IN I.S.T.	1130				1730				2330				0530				1130				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.0	00.2	115	31	01.6	01.0	328	31	01.0	00.2	316	31	00.9	00.5	063	31	01.3	00.9	269	31	03.5	02.2	290
0.15 A.G.L.	31	04.1	00.8	320	30	04.0	02.7	341	31	06.3	02.7	322	31	02.3	00.9	076	31	02.7	01.5	247	31	05.9	04.5	287
0.3A.M.S.L.	31	03.7	00.3	310	30	03.5	02.5	339	31	05.3	02.3	052												
0.6 ,,	31	04.5	00.3	293	30	04.2	03.0	335	31	06.0	01.8	032												
0.9 ,,	31	04.8	00.9	234	30	04.2	02.9	323	31	05.0	01.7	320	31	02.2	00.8	077	31	02.7	01.5	248	31	05.7	04.3	284
1.5 ,,	31	06.3	03.8	272	29	05.2	03.8	290	31	05.8	04.9	276	31	03.9	02.9	263	31	04.4	03.7	260	31	05.2	04.6	255
2.1 ,,	28	08.3	06.9	278	29	07.1	05.9	273	29	07.9	07.3	273	30	08.9	07.8	269	28	07.4	06.8	266	30	08.1	07.6	256
3.0 ,,	27	11.2	10.5	275	28	11.4	10.5	277	25	10.8	09.8	277	23	12.3	10.8	271	24	11.0	10.0	270	22	11.9	11.3	261
3.6 ,,	23	11.6	10.8	280	25	13.8	12.7	279	09	12.7	12.2	278	14	12.4	10.8	272	19	13.5	13.0	270	16	13.3	12.3	270
4.5 ,,	21	14.6	13.3	283	24	16.4	15.2	279	05	10.0	08.0	287	10	16.9	15.3	278	10	14.4	15.9	256	06	22.0	20.1	269
5.4 ,,	18	18.5	16.8	282	20	17.1	16.2	285					07	15.8	13.9	267	06	20.2	19.3	268	05	24.4	22.3	269
6.0 ,,	17	17.9	16.7	281	18	20.0	19.3	281					04	18.2	14.0	288	03	22.7	22.6	272	03	28.7	27.2	281
7.2 ,,	12	22.2	20.9	283	12	22.8	21.4	288					04	21.0	16.5	297	03	31.0	30.7	276	01	12.0	12.0	355
9.0 ,,	09	31.1	27.5	281	05	25.4	23.7	300									03	35.3	34.3	279				

STATION	IMPHAL/TULIHAL				JABALPUR								JAGDALPUR											
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.2	00.5	339	31	00.8	00.6	171	31	01.4	00.8	331	31	00.7	00.3	168	31	00.5	00.2	015	31	01.2	00.6	217
0.15 A.G.L.	30	02.9	01.0	289	31	05.7	03.2	155	30	04.0	02.1	332	31	06.1	03.1	208	30	04.3	01.8	201	31	03.7	01.6	227
0.3A.M.S.L.																								
0.6 ,,					31	06.0	03.2	159	30	04.1	02.0	330	31	04.3	01.9	209	30	02.6	00.9	203	31	02.7	01.1	222
0.9 ,,	30	03.0	01.6	298	30	06.3	01.7	185	30	04.5	02.9	325	31	06.2	03.4	226	30	05.0	02.3	223	31	04.4	02.1	231
1.5 ,,	30	05.1	04.2	256	30	05.5	03.0	276	30	05.1	04.4	305	31	05.3	03.7	260	29	04.6	02.1	277	30	04.6	02.7	249
2.1 ,,	30	09.4	08.7	257	28	08.6	07.7	274	30	06.6	06.0	281	31	05.1	03.8	279	27	05.3	03.1	315	29	05.1	03.7	269
3.0 ,,	16	11.3	10.3	264	28	12.4	11.4	277	29	11.6	10.9	274	30	06.6	04.7	290	25	07.4	06.0	312	28	06.9	05.1	292
3.6 ,,	08	11.0	08.5	269	23	13.4	12.3	284	25	14.4	13.6	274	18	06.8	06.0	319	22	08.8	06.9	307	28	08.0	06.3	295
4.5 ,,	01	15.0	15.0	250	17	12.7	11.6	289	21	14.3	13.7	283	09	07.2	06.4	351	22	10.6	08.9	298	24	09.8	08.4	299
5.4 ,,					14	16.2	15.6	287	16	18.9	18.3	289	04	10.0	09.5	323	21	12.5	10.7	293	22	11.9	10.9	295
6.0 ,,					14	18.2	17.5	282	14	19.3	18.5	291	02	15.0	15.0	326	21	13.8	12.8	286	21	13.7	12.9	290
7.2 ,,					05	22.6	21.9	287	06	21.0	20.3	297					19	16.4	14.8	279	18	17.3	16.8	288
9.0 ,,									01	25.0	25.0	279					14	21.4	20.6	285	13	22.0	21.6	290

STATION	JAGDALPUR				JAIPUR/SANGANER												JAMSHEDPUR							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.7	00.3	168	31	00.9	00.7	080	31	01.9	00.9	305	31	01.5	00.7	034	31	01.0	00.2	273				
0.15 A.G.L.	31	06.1	03.1	208	31	04.9	02.3	085	31	04.7	02.1	283	31	06.4	02.4	027	30	03.6	01.8	277				
0.3A.M.S.L.																	30	03.7	01.7	271				
0.6 ,,	31	04.3	01.9	209	31	05.5	01.9	092	31	04.7	02.1	294	31	07.2	01.9	035	30	04.9	02.8	278				
0.9 ,,	31	06.2	03.4	226	31	06.0	00.5	158	31	04.5	02.3	287	31	06.5	01.2	030	30	06.5	04.0	280				
1.5 ,,	31	05.3	03.7	260	31	05.9	03.4	266	30	04.7	03.6	287	30	06.8	01.8	284	30	07.8	06.7	280				
2.1 ,,	31	05.1	03.8	279	29	07.9	07.1	278	28	05.8	04.8	282	28	07.0	03.9	263	29	09.0	08.3	279				
3.0 ,,	30	06.6	04.7	290	26	10.0	08.3	281	25	09.1	07.9	275	24	08.2	07.0	264	27	12.9	12.0	288				
3.6 ,,	18	06.8	06.0	319	26	11.6	10.3	274	23	11.6	10.9	283	14	10.1	09.2	266	22	14.7	14.0	291				
4.5 ,,	09	07.2	06.4	351	19	13.5	12.1	278	22	15.4	14.6	283					14	18.4	17.6	290				
5.4 ,,	04	10.0	09.5	323	16	16.0	14.7	283	17	16.4	15.4	277					09	19.3	18.7	295				
6.0 ,,	02	15.0	15.0	326	10	14.3	13.5	291	14	18.2	17.1	280					05	17.6	17.0	289				
7.2 ,,					07	18.6	17.9	303	06	17.5	15.8	273					02	11.0	10.7	293				
9.0 ,,									01	19.0	19.0	325												

STATION	JAMSHEDPUR				JHARSUGUDA												JODHPUR							
TIME IN I.S.T.	1730				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.3	01.1	326	31	01.6	00.5	062	31	02.1	01.3	258	31	02.4	00.6	211	31	04.3	01.8	056	31	02.4	01.0	071
0.15 A.G.L.	30	04.8	01.9	323	29	04.3	01.7	079	30	04.1	02.4	258	29	05.4	00.3	133	31	06.7	02.8	056	31	04.1	01.7	106
0.3A.M.S.L.	30	04.8	01.9	320	29	03.4	01.3	072	30	03.1	02.2	263	29	04.5	00.8	121	31	04.4	01.8	056	31	03.4	02.0	072
0.6 ,,	30	05.2	02.9	298	29	05.0	00.7	118	30	04.4	02.7	262	29	05.3	01.2	294	31	06.5	02.0	038	31	04.1	01.0	123
0.9 ,,	30	05.1	03.1	287	29	05.3	00.9	272	30	04.5	03.6	272	29	04.8	02.5	280	31	06.1	00.7	025	31	04.1	00.8	221
1.5 ,,	30	05.7	04.7	270	29	06.3	04.2	279	30	05.8	05.3	280	28	05.5	04.4	275	30	06.9	04.5	258	30	05.8	04.0	249
2.1 ,,	25	07.5	06.6	275	29	08.4	07.0	281	30	07.3	06.6	287	26	07.8	06.7	285	30	08.7	07.2	260	28	07.0	05.3	273
3.0 ,,	23	12.1	11.2	283	27	11.4	10.1	295	29	10.3	09.5	289	23	10.2	09.4	285	30	11.0	09.7	268	25	09.6	08.4	266
3.6 ,,	19	15.4	14.2	290	26	13.4	12.1	298	29	12.7	11.8	288					30	13.0	11.8	267	23	10.5	09.2	276
4.5 ,,	14	18.4	17.4	294	21	15.5	14.2	297	23	15.1	14.4	289					30	16.4	15.1	267	19	12.2	11.1	272
5.4 ,,	11	22.7	21.4	290	13	15.5	14.8	299	21	17.9	16.8	289					30	20.9	19.8	268	13	16.8	15.6	276
6.0 ,,	10	25.6	23.8	292	12	17.4	16.2	295	17	19.4	18.1	291					29	23.0	21.9	274	10	19.3	18.3	277
7.2 ,,	02	17.0	17.0	319	09	23.1	21.9	283	10	19.9	18.3	291					28	24.5	23.8	273	07	24.7	23.2	278
9.0 ,,	01	29.0	29.0	295	06	26.0	25.1	280	04	26.2	21.7	290					26	31.7	30.4	280				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

MARCH 1967.(PHALGUNA 10,1888 SAKA - CHAITRA 10,1889 SAKA)

STATION	JODHPUR								LUCKNOW/AMAUSI															
TIME IN I.S.T.	1730*				2330				0530*				1130				1730*				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	02.6	01.6	265	31	03.8	01.6	351	31	01.9	00.6	298	31	04.9	01.9	313	31	03.2	01.5	277	31	02.1	00.9	293
.15 A.G.L.	30	04.3	02.1	269	29	07.0	03.1	346	31	07.0	02.9	340	30	05.0	01.9	300	31	06.1	03.3	309	31	07.6	03.6	309
.3A.M.S.L.	30	02.9	01.8	266	29	05.9	03.1	355	31	07.0	02.9	340	30	05.3	02.0	285	31	06.1	03.2	309	31	07.5	03.1	311
.6 ,,	30	04.5	02.5	267	29	07.9	03.3	350	31	07.2	03.5	319	30	05.7	02.8	292	31	06.5	03.6	301	31	07.2	02.1	320
.9 ,,	30	04.8	02.7	269	29	09.7	01.9	307	31	07.8	04.7	306	30	06.5	03.9	281	31	06.5	04.2	290	31	07.1	04.5	295
1.5 ,,	30	05.2	03.7	265	27	04.4	02.1	246	31	09.3	07.4	290	27	08.5	07.4	283	31	08.1	06.9	282	31	07.7	06.6	285
2.1 ,,	30	06.1	04.8	260	24	02.5	03.7	232	31	10.3	09.6	285	26	10.0	09.2	286	31	09.3	08.0	282	27	07.9	07.1	280
3.0 ,,	30	09.9	09.2	266	19	07.2	06.0	256	31	11.5	10.3	285	25	11.4	10.8	284	30	11.4	10.8	284	21	09.9	06.4	297
3.6 ,,	30	12.0	11.2	266	06	10.1	10.0	257	31	13.0	11.8	283	22	12.0	11.4	287	30	13.5	12.7	282	05	10.2	07.5	275
4.5 ,,	30	16.5	15.7	273					31	16.6	15.8	277	20	16.1	15.8	283	30	16.8	15.9	281	01	04.0	04.0	284
5.4 ,,	30	18.5	17.5	274					30	19.6	18.7	275	17	18.8	18.3	280	30	20.0	18.7	280				
6.0 ,,	30	22.3	21.2	274					30	20.5	19.7	275	16	21.3	20.2	281	30	23.7	22.1	279				
7.2 ,,	30	27.9	26.3	273					29	25.7	24.3	277	15	22.3	21.7	280	29	25.8	23.8	273				
9.0 ,,	28	32.8	31.2	279					26	32.7	30.0	275	08	27.4	26.7	273	25	32.1	30.1	274				

STATION	MADRAS/MINAMBAKKAM																MANGALORE/BAJPE							
TIME IN I.S.T.	0530*				1130				1730*				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.0	01.1	152	31	02.4	01.5	140	31	04.9	04.0	117	31	03.4	02.9	135	31	00.6	00.5	083	31	05.2	04.8	286
.15 A.G.L.	31	03.7	01.7	153	31	04.0	03.1	147	31	06.1	05.2	120	31	06.8	06.1	138	31	03.7	02.8	020	31	06.3	05.7	293
.3A.M.S.L.	31	04.0	02.4	155	31	04.4	03.6	153	31	05.6	04.7	130	31	07.2	06.4	139	31	03.6	02.7	009	31	06.2	05.8	292
.6 ,,	31	04.6	03.5	163	31	03.8	03.2	156	31	04.6	02.9	144	31	06.4	05.6	140	31	03.1	02.1	338	31	04.9	04.2	293
.9 ,,	31	05.0	03.6	157	29	03.6	02.6	157	31	03.8	02.2	144	31	05.1	04.1	138	31	03.3	01.7	332	31	03.4	02.2	303
1.5 ,,	31	04.7	02.6	120	24	04.7	03.0	104	31	04.0	01.9	106	31	04.5	02.8	117	31	04.4	00.6	189	31	03.6	01.4	066
2.1 ,,	31	05.7	03.0	091	23	06.1	04.2	084	31	06.1	02.7	080	31	05.8	03.5	086	31	05.4	02.0	117	31	06.4	04.3	087
3.0 ,,	31	06.2	02.9	060	21	05.6	04.0	074	31	06.1	01.8	068	29	06.7	02.7	057	30	06.6	03.3	078	31	08.6	06.0	087
3.6 ,,	31	06.2	02.9	058	19	05.7	03.9	081	31	06.1	02.5	024	15	06.3	01.3	010	30	06.7	03.6	074	31	07.2	03.9	075
4.5 ,,	31	07.4	02.2	014	16	06.0	02.8	063	31	06.8	01.6	338	03	06.0	04.3	037	31	07.7	02.1	031	31	08.0	02.4	030
5.4 ,,	31	08.4	02.6	325	15	07.1	02.4	058	31	08.4	04.0	315					29	07.3	02.1	336	30	08.0	02.5	347
6.0 ,,	31	08.1	03.5	320	15	07.5	02.5	023	31	08.8	04.1	304					29	08.7	03.3	323	30	08.0	03.0	332
7.2 ,,	31	11.2	05.5	310	09	08.9	04.4	341	31	11.3	06.6	305					26	12.3	07.7	313	27	10.6	07.0	317
9.0 ,,	31	13.9	10.2	286	06	11.0	06.7	329	30	14.7	10.8	290					18	12.7	08.3	300	20	10.9	07.5	284

STATION	MANGALORE/BAJPE				MINICOY																NAGPUR/SONEGAON			
TIME IN I.S.T.	2330				0530				1130				1730*				2330				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.9	00.8	324	31	01.5	00.9	040	31	01.8	01.1	037	31	01.4	00.9	347	31	01.4	01.1	021	31	01.1	00.5	080
.15 A.G.L.	31	04.3	04.2	330	31	03.2	02.5	029	31	03.8	03.0	026	31	03.2	02.4	354	31	03.0	02.3	024	31	04.6	01.2	099
.3A.M.S.L.	31	04.5	04.4	329	31	03.4	02.5	032	31	04.2	03.6	030	31	03.5	02.7	008	31	03.0	02.4	029				
.6 ,,	31	04.1	03.9	327	31	03.1	02.1	050	30	03.5	03.1	041	31	03.7	03.0	024	31	02.8	02.1	044	31	04.6	01.2	128
.9 ,,	31	03.2	02.4	315	31	03.5	02.8	089	29	03.7	03.2	063	31	03.5	02.8	053	31	03.3	02.6	075	31	05.3	01.6	183
1.5 ,,	31	03.3	00.2	187	30	05.3	04.6	101	27	05.2	04.7	093	31	05.2	04.5	081	28	05.0	04.2	091	31	05.4	02.7	250
2.1 ,,	30	06.4	04.2	092	28	06.3	05.2	096	26	05.9	04.7	093	31	05.8	04.4	076	24	05.9	04.9	091	31	07.2	05.6	269
3.0 ,,	27	07.0	04.4	089	27	04.9	02.8	106	20	04.7	01.7	124	31	05.5	02.7	077	23	06.5	05.1	084	31	10.4	07.6	273
3.6 ,,	23	05.0	01.9	077	23	04.7	02.5	110	20	03.9	01.5	147	31	05.1	02.6	071	15	05.1	03.7	097	31	12.7	11.5	270
4.5 ,,	18	07.1	03.0	347	16	05.9	01.6	075	16	04.4	01.5	098	31	05.7	03.3	066	07	05.6	03.9	088	31	15.2	13.5	275
5.4 ,,	11	08.4	04.3	305	14	07.9	02.7	042	11	06.8	03.0	048	30	07.4	03.9	067					30	16.4	15.6	278
6.0 ,,	08	10.1	07.5	287	12	09.2	03.4	033	10	08.0	02.3	047	30	08.7	04.8	057					29	18.2	17.4	275
7.2 ,,	01	06.0	06.0	250	08	08.5	02.0	343	08	08.5	01.5	053	30	09.4	03.0	057					29	22.2	21.5	275
9.0 ,,					08	07.3	01.9	267	03	08.3	06.4	288	29	08.3	01.9	336					28	29.3	28.2	279

STATION	NAGPUR/SONEGAON												NEW DELHI/SAFDARJUNG											
TIME IN I.S.T.	1130				1730*				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.8	00.8	173	31	02.1	01.1	247	31	01.9	00.3	322	31	02.3	00.4	282	31	01.7	00.4	240	31	02.7	00.7	324
.15 A.G.L.	31	02.9	01.2	249	31	04.3	02.1	240	31	04.4	02.0	128	31	06.2	00.9	310	31	04.1	00.5	208	31	05.4	01.3	326
.3A.M.S.L.													31	05.6	00.8	276	31	03.5	01.3	235	31	05.1	01.5	324
.6 ,,	31	03.4	01.6	227	31	04.2	02.2	239	31	06.5	01.7	141	31	06.7	02.1	307	31	05.1	00.5	239	31	06.0	01.5	304
.9 ,,	31	04.0	02.4	220	31	04.4	02.5	244	31	06.3	01.3	164	31	07.0	04.0	295	30	06.3	01.9	357	31	06.4	02.2	265
1.5 ,,	31	06.1	04.0	236	31	04.7	03.3	254	31	05.5	03.2	276	31	08.2	06.2	281	29	07.0	04.5	284	31	07.1	04.0	261
2.1 ,,	30	06.4	05.0	265	31	05.7	04.5	258	30	06.3	05.3	286	31	09.3	07.6	280	28	07.5	05.5	285	31	07.9	05.8	272
3.0 ,,	25	08.3	07.5	281	31	09.5	07.9	269	26	08.3	07.1	275	31	10.6	08.9	279	26	09.1	07.6	275	31	11.5	09.7	278
3.6 ,,	23	10.5	09.5	282	31	11.9	11.0	271	09	09.8	08.8	276	31	11.7	09.5	276	20	10.7	09.5	280	31	12.8	11.4	280
4.5 ,,	21	12.8	11.3	286	31	14.2	12.7	276					30	13.1	11.6	277	15	15.2	13.7	285	31	15.4	14.0	278
5.4 ,,	19	14.1	13.2	282	29	17.1	15.7	280					30	16.3	14.6	271	12	17.3	16.0	289	31	18.3	17.6	280
6.0 ,,	19	15.3	14.6	278	29	18.3	16.5	278					30	18.7	17.4	276	09	19.1	18.1	289	31	21.5	20.6	278
7.2 ,,	18	19.8	18.6	282	29	22.2	21.2	279					30	24.1	22.8	276	06	21.0	17.9	303	31	26.6	25.5	278
9.0 ,,	11	24.6	23.7	281	28	29.4	28.6	278					27	31.7	29.7	270	05	18.8	14.8	297	29	33.5	31.8	275

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

MARCH 1967.(PHALGUNA 10,1888 SAKA - CHAITRA 10,1889 SAKA)

STATION	NEW DELHI/SAFDARJUNG								POONA								PORT BLAIR							
TIME IN I.S.T.	2330				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.3	00.2	322	31	00.2	00.2	241	31	01.9	01.5	283	31	00.8	00.7	285	31	00.9	00.7	066	31	02.8	02.5	060
.15 A.G.L.	31	07.1	03.7	354	31	03.2	02.1	290	31	05.6	03.9	283	31	04.8	04.5	278	31	03.6	02.9	041	31	04.2	03.8	057
.3A.M.S.L.	31	06.4	02.4	360													31	03.6	02.9	040	31	04.3	03.9	060
.6 ,,	30	07.3	03.1	325	31	01.6	01.2	240	31	03.5	02.5	287	31	02.6	02.3	273	31	03.9	02.9	055	31	04.4	03.6	067
.9 ,,	30	07.0	03.2	307	31	04.5	02.5	323	31	05.4	03.9	285	31	06.2	05.5	285	31	04.1	02.5	075	30	04.5	02.5	085
1.5 ,,	30	07.3	05.2	284	31	06.1	02.0	310	31	04.6	03.3	275	31	06.6	05.3	289	31	05.9	03.6	091	28	05.5	03.2	097
2.1 ,,	29	07.8	06.9	284	30	04.7	00.9	209	31	04.4	02.4	260	31	05.0	01.2	240	31	05.3	03.7	091	24	04.8	03.1	090
3.0 ,,	23	08.9	07.9	281	30	05.7	03.0	195	31	05.7	01.9	252	30	05.8	02.7	155	31	04.6	02.7	086	19	04.1	01.7	081
3.6 ,,	16	10.1	08.8	289	27	06.0	03.3	236	30	06.9	03.0	281	24	06.1	01.9	171	31	04.4	01.7	081	17	04.0	00.5	064
4.5 ,,	01	15.0	15.0	277	11	07.5	05.3	293	26	09.0	06.0	287	06	07.7	06.4	308	31	05.4	00.9	009	16	05.2	00.6	221
5.4 ,,					02	06.0	05.8	270	23	12.0	09.1	282					31	06.7	01.8	267	16	06.0	02.0	217
6.0 ,,					01	09.0	09.0	240	21	13.5	10.6	282					31	07.8	02.4	269	15	07.1	02.7	232
7.2 ,,									15	13.3	12.9	282					31	09.7	03.4	284	09	10.9	06.3	253
9.0 ,,									05	15.4	15.2	290					31	13.2	07.4	257	09	12.7	07.1	270

STATION	PORT BLAIR								RAIPUR												RAXAUL			
TIME IN I.S.T.	1730*				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.9	01.7	052	28	03.2	03.1	046	31	01.4	00.2	132	31	01.4	00.9	259	31	02.0	00.3	139	31	02.5	00.8	111
.15 A.G.L.	31	04.3	03.7	057	28	05.6	05.4	051	29	04.4	01.4	112	31	03.7	02.6	265	31	06.3	01.5	154	30	05.8	01.7	253
.3A.M.S.L.	31	04.4	03.8	056	28	06.0	05.7	051													30	05.8	01.3	247
.6 ,,	31	04.0	03.4	049	27	06.6	06.4	061	29	05.4	01.8	140	31	04.5	03.5	261	31	06.5	00.9	162	30	05.0	01.1	258
.9 ,,	31	04.4	03.2	057	24	06.7	05.9	071	29	05.7	01.5	199	31	05.1	03.8	266	31	05.1	01.2	257	30	04.8	02.1	282
1.5 ,,	31	05.1	02.7	088	22	06.6	05.7	092	29	06.4	03.6	253	31	05.8	04.9	265	31	05.2	03.9	260	28	06.2	05.3	279
2.1 ,,	31	05.3	03.6	082	18	05.6	04.7	083	29	07.0	06.0	274	30	07.0	06.3	269	30	07.0	05.8	267	18	07.2	06.1	275
3.0 ,,	31	03.9	01.6	067	18	05.0	04.2	065	28	10.0	09.0	292	28	09.8	09.3	281	28	09.8	08.7	281	10	09.6	09.5	279
3.6 ,,	31	03.8	00.9	036	12	05.0	04.0	083	27	12.1	10.8	292	28	12.1	11.5	283	24	11.3	10.3	285	05	11.2	11.2	283
4.5 ,,	31	04.4	01.0	332	05	06.8	05.0	043	23	13.4	12.3	296	25	13.8	13.4	289	11	12.6	11.8	287	04	12.2	11.8	287
5.4 ,,	31	05.8	01.3	272	03	05.7	03.5	058	22	15.0	14.2	288	24	19.8	17.1	285	01	11.0	11.0	294	02	16.8	16.3	279
6.0 ,,	31	07.5	01.8	259	02	07.5	07.2	034	21	17.0	16.2	287	24	19.4	18.8	282					02	17.0	17.0	278
7.2 ,,	31	10.1	03.6	272					17	19.7	19.0	283	23	23.4	22.4	277								
9.0 ,,	30	13.3	08.2	264					11	22.0	21.2	272	10	27.3	26.2	289								

STATION	RAXAUL				SRINAGAR								TIRUCHCHIRAPALLI											
TIME IN I.S.T.	1730				0530*				1730 *				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.2	01.3	292	27	00.0	00.0	000	25	01.1	00.2	217	31	01.9	01.3	029	31	03.6	03.0	084	31	04.2	03.7	102
.15 A.G.L.	31	04.1	02.4	274	27	01.7	00.8	130	25	02.1	01.1	299	31	03.4	02.1	056	31	04.1	03.7	087	31	06.6	05.9	111
.3A.M.S.L.	31	04.2	02.4	273									31	03.7	02.3	078	31	04.0	03.6	088	31	07.3	06.5	111
.6 ,,	31	05.2	03.6	268									31	04.6	02.8	105	31	04.0	03.8	089	31	06.9	06.0	115
.9 ,,	30	05.5	04.5	267									29	04.6	02.6	106	31	03.9	03.7	089	31	05.3	04.1	105
1.5 ,,	28	06.4	05.7	272									27	03.5	01.4	086	31	03.6	02.7	079	31	04.3	02.7	078
2.1 ,,	21	07.9	07.3	284	27	02.1	00.9	122	25	02.1	00.6	349	26	05.0	02.7	063	31	04.7	03.3	062	31	04.6	03.0	073
3.0 ,,	13	08.6	07.6	287	27	03.6	02.0	142	25	03.3	02.0	144	25	07.0	03.9	065	31	05.9	02.9	059	31	05.6	03.1	069
3.6 ,,	08	09.2	06.6	288	27	04.9	04.0	207	25	04.8	03.2	161	25	07.2	03.5	085	30	05.8	01.8	060	27	06.1	03.3	069
4.5 ,,	07	09.3	06.1	288	27	07.5	04.3	197	25	06.8	04.1	199	24	06.8	03.1	061	30	06.5	02.2	029	21	05.0	02.5	067
5.4 ,,	06	10.1	07.0	279	27	10.0	06.3	244	25	09.5	06.4	243	22	06.6	02.4	073	27	06.5	03.0	029	04	07.5	04.5	356
6.0 ,,	04	09.5	07.7	300	27	11.6	08.0	249	25	11.2	07.8	258	19	07.2	01.5	028	24	07.3	03.7	027	01	07.0	07.0	250
7.2 ,,	01	06.0	06.0	259	27	16.4	12.6	263	25	15.0	10.6	268	12	07.5	02.7	320	19	08.1	03.4	342				
9.0 ,,					27	24.7	20.9	267	25	23.8	20.6	274	04	09.0	02.3	279	11	10.4	06.6	307				

STATION	TRIVANDRUM																UDAIPUR							
TIME IN I.S.T.	0530 *				1130				1730*				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.3	00.9	022	31	01.2	00.5	280	31	03.1	02.5	244	31	01.6	01.1	346	31	00.2	00.1	193	31	01.3	00.7	285
.15 A.G.L.	31	03.1	02.4	360	31	02.1	01.0	236	31	04.4	03.6	242	31	02.6	01.4	321	30	03.2	00.6	320	30	04.5	01.8	290
.3A.M.S.L.	31	02.9	02.0	360	31	01.9	00.8	237	31	04.3	03.6	238	31	02.5	01.3	325								
.6 ,,	31	02.3	00.7	005	31	01.8	00.7	267	31	03.8	02.9	228	31	02.8	01.3	322								
.9 ,,	31	02.5	01.1	060	29	01.8	00.4	009	31	02.9	00.2	215	30	03.0	01.2	347	30	04.1	00.7	297	30	04.4	02.1	280
1.5 ,,	31	03.5	02.7	066	24	03.5	02.2	057	31	05.4	04.9	052	29	05.0	03.9	049	30	06.5	04.1	270	30	04.4	03.0	273
2.1 ,,	31	04.7	03.3	065	19	04.7	03.7	074	31	06.3	05.5	056	27	07.0	05.9	054	29	07.4	06.8	263	29	04.8	03.9	275
3.0 ,,	31	04.9	02.2	090	12	05.3	02.1	094	31	05.9	03.6	067	26	06.2	04.4	071	28	10.4	09.5	263	26	09.2	08.8	272
3.6 ,,	31	05.3	02.3	095	11	05.4	03.3	105	31	05.5	02.7	075	18	06.1	03.8	087	27	12.1	11.0	267	25	11.9	10.6	271
4.5 ,,	31	06.0	02.4	093	10	06.8	04.6	111	31	06.3	03.5	065	11	05.3	02.7	082	23	14.4	13.0	277	21	16.2	15.1	275
5.4 ,,	31	07.5	03.4	060	09	09.0	05.6	082	31	07.1	03.6	051	07	06.0	02.8	009	21	17.6	16.2	279	17	19.9	18.5	275
6.0 ,,	31	08.2	03.1	051	09	08.7	05.3	047	31	07.8	03.1	035	02	07.0	06.6	299	18	18.3	17.3	278	17	21.2	18.9	280
7.2 ,,	31	09.2	02.1	032	08	09.3	01.8	071	31	09.1	02.4	020					13	21.9	20.6	285	10	26.2	24.0	282
9.0 ,,	30	09.7	02.3	315	06	12.3	02.3	077	31	09.4	01.9	313					05	28.6	26.8	283	06	27.0	26.3	288

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

MARCH 1967.(PHALGUNA 10,1888 SAKA - CHAITRA 10,1889 SAKA)

STATION	UDAIPUR				VENGURLA												VERAVAL							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.2	00.0	315	31	00.7	00.6	005	31	03.1	02.9	274	31	00.9	00.8	342	31	03.2	01.9	337	31	06.9	05.3	258
.15 A.G.L.	30	03.8	01.9	322	31	04.0	03.1	016	31	05.5	05.2	283	31	04.4	04.1	335	30	07.7	05.8	330	31	06.5	05.5	260
.3A.M.S.L.					31	04.4	03.5	355	31	05.4	05.0	289	31	05.5	05.1	337	30	07.5	05.2	326	31	06.6	05.5	263
.6 ,,					31	05.1	04.0	345	31	04.6	03.6	301	31	05.5	05.1	337	30	06.8	04.3	319	31	05.9	04.0	275
.9 ,,	30	04.5	02.2	321	31	06.2	04.5	338	30	04.1	03.0	307	31	05.4	04.5	328	30	06.6	03.8	309	31	05.3	03.7	279
1.5 ,,	29	05.8	03.0	280	31	05.5	01.3	304	30	03.9	00.8	310	31	05.0	01.9	305	30	06.5	03.4	270	30	05.9	03.7	302
2.1 ,,	28	06.7	04.9	267	28	05.4	02.0	109	30	05.2	01.0	115	31	05.8	01.8	100	30	07.1	04.7	253	30	06.9	04.3	280
3.0 ,,	25	08.9	07.7	255	27	05.8	02.4	119	30	06.4	01.6	087	30	06.4	03.2	094	24	08.0	05.6	249	29	09.0	06.3	265
3.6 ,,	20	09.1	07.9	266	17	04.2	01.3	275	30	06.9	01.8	072	27	05.4	02.1	066					27	09.2	07.0	269
4.5 ,,	07	13.1	12.4	295	01	13.0	13.0	320	30	07.7	02.4	322	02	06.5	05.8	292					26	12.3	10.7	278
5.4 ,,									30	09.1	05.5	294									25	15.0	13.6	277
6.0 ,,									30	10.3	06.4	293									25	16.6	15.6	278
7.2 ,,									26	12.5	10.2	296									23	22.0	20.5	277
9.0 ,,									19	17.8	15.7	297									07	29.0	27.6	277

STATION	VERAVAL				VIJAYWADA/GANNAVARAM												VISHAKHAPATNAM							
TIME IN I.S.T.	2330				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	03.9	02.7	304	31	01.2	00.7	111	31	03.6	03.1	149	31	01.5	01.2	157	31	03.1	02.2	291	30	03.1	02.5	192
.15 A.G.L.	31	06.7	04.8	305	29	04.6	03.6	157	31	04.9	04.1	153	31	06.7	06.0	159	31	04.9	03.6	281	30	05.5	04.8	194
.3A,M.S.L.	31	07.1	05.2	304	29	05.8	05.1	170	31	05.3	04.5	154	31	06.9	06.4	162	31	05.2	03.9	267	30	05.1	04.3	202
.6 ,,	31	07.1	04.8	301	28	06.4	06.0	172	31	05.1	04.4	156	31	06.3	05.7	162	31	05.1	04.1	238	30	04.5	03.2	228
.9 ,,	31	06.6	04.1	299	27	06.7	05.8	175	31	04.4	03.3	154	31	05.3	04.5	158	31	05.3	04.0	238	30	04.5	03.0	227
1.5 ,,	30	06.1	03.5	289	26	06.3	04.0	157	31	04.2	01.8	133	31	04.6	02.7	128	31	04.9	02.4	288	30	04.3	01.7	250
2.1 ,,	28	06.4	02.9	283	24	06.5	02.3	128	30	05.4	01.5	073	31	04.6	01.1	077	31	05.3	02.6	305	30	05.2	01.8	311
3.0 ,,	27	08.3	05.3	261	22	07.3	02.5	049	29	06.8	01.9	356	31	06.9	01.9	337	30	06.3	03.2	303	30	06.3	02.5	333
3.6 ,,	11	08.2	04.5	283	19	07.4	02.8	012	28	07.3	02.8	314	27	06.4	02.6	315	29	07.7	04.6	303	30	07.2	03.6	322
4.5 ,,	01	07.0	07.0	305	19	07.2	03.5	329	26	07.3	04.4	314	27	07.3	04.8	301	29	08.9	06.6	300	27	08.3	05.2	303
5.4 ,,					19	08.9	05.6	304	26	09.0	06.1	296	14	07.2	06.4	297	29	11.0	09.4	299	26	09.7	07.6	296
6.0 ,,					19	09.9	07.0	289	26	09.8	07.6	299	13	08.0	07.3	290	29	12.1	10.9	295	26	09.7	08.2	288
7.2 ,,					17	11.7	10.5	291	13	11.9	10.2	282	08	12.0	11.6	295	28	15.6	14.8	287	19	12.4	11.1	286
9.0 ,,					11	14.5	13.1	285	07	19.7	18.1	282					28	21.4	20.3	285	12	14.9	14.2	295

STATION	VISHAKHAPATNAM																							
TIME IN I.S.T.	1730				2330																			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	03.5	02.2	266	31	02.1	01.8	249																
.15 A.G.L.	31	04.7	02.6	262	31	05.2	04.5	235																
.3A.M.S.L.	31	04.7	02.7	252	31	05.5	04.9	228																
.6 ,,	31	05.1	03.5	230	31	05.9	05.4	226																
.9 ,,	31	04.9	03.2	228	31	04.9	04.2	226																
1.5 ,,	31	04.9	01.6	245	30	04.0	01.4	211																
2.1 ,,	31	06.2	02.7	288	28	04.7	01.7	315																
3.0 ,,	31	08.4	05.1	316	27	07.3	03.8	315																
3.6 ,,	31	08.8	05.7	312	22	07.7	04.9	308																
4.5 ,,	31	09.5	07.3	298	16	08.3	06.9	303																
5.4 ,,	31	11.7	10.1	292	07	08.0	07.6	311																
6.0 ,,	31	12.8	11.5	290	03	08.3	08.0	308																
7.2 ,,	31	15.9	14.5	285	01	11.0	11.0	291																
9.0 ,,	31	21.6	20.0	280																				

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

MARCH 1967.(PHALGUNA 10,1888 SAKA - CHAITRA 10,1889 SAKA)

STATION	AGARTALA				AHMADABAD												ALLAHABAD/BAMHRAULI				AMBALA			
TIME IN I.S.T.	1730				0530*				1130				1730*				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	02	17.5	17.3	286	14	44.8	41.4	273	02	33.5	32.3	276	14	41.0	36.2	280	01	27.0	27.0	305	01	27.0	27.0	284
12.0	02	19.5	19.5	294	07	42.4	41.5	290	03	36.7	35.7	278	07	37.0	33.6	278								
14.1					02	50.0	49.5	279	01	36.0	36.0	280												
16.2									01	34.0	34.0	280												
18.0																								
21.0																								
24.0																								
27.0																								
30.0																								
33.0																								

STATION	AMINI				ANANTAPUR				ASANSOL								AURANGABAD/CHIKALTHAN				BAHRAICH			
TIME IN I.S.T.	1730				0530				0530				1730				1730				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	01	09.0	09.0	095	17	12.6	09.8	290	01	59.0	59.0	270	01	26.0	26.0	279	01	25.0	25.0	280	01	23.0	23.0	250
12.0					13	12.3	10.3	290													01	26.0	26.0	250
14.1					10	15.3	07.9	278																
16.2					05	06.0	06.1	282																
18.0					03	12.0	07.9	297																
21.0					01	11.0	11.0	235																
24.0																								
27.0																								
30.0																								
33.0																								

STATION	BANGALORE												BAREILLY				BIRAMPET							
TIME IN I.S.T.	0530				1130				1730				1730				0530				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	15	11.2	09.4	298	10	08.7	05.6	299	20	17.1	14.7	300	03	26.0	24.4	289	02	23.5	23.5	282	02	30.5	30.1	282
12.0	13	11.7	07.9	291	06	06.3	01.3	171	15	16.5	14.2	290	02	22.5	22.5	264					01	19.0	19.0	280
14.1	08	10.4	02.2	276	06	05.8	02.6	223	08	14.7	12.5	281												
16.1	05	07.6	03.6	263	03	06.0	04.6	113	05	06.0	02.3	283												
18.0	02	03.5	02.1	267	03	09.7	09.7	079	04	07.3	06.6	252												
21.0	02	09.0	06.2	311	02	08.0	06.6	065	04	12.7	12.5	272												
24.0					02	11.5	06.2	329	02	07.0	03.2	253												
27.0					02	08.0	07.9	063																
30.0																								
33.0																								

	2330			
Ht.				
10.5	3	24.0	23.9	297
12.0	1	38.0	38.0	295

STATION	BHOPAL/BAIRAGARH								BHUJ/RUDRAMATA				BOMBAY/SANTACRUZ											
TIME IN I.S.T.	0530				1730				1730				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	04	31.3	30.0	287	03	31.0	29.8	281	01	21.0	21.0	270	31	27.1	26.1	287	09	20.9	19.9	277	31	28.5	27.1	289
12.0	03	38.7	37.6	294	01	34.0	34.0	290					31	30.2	28.7	287	08	23.0	20.9	271	30	29.8	28.6	289
14.1	02	43.5	43.5	295									24	23.9	22.5	282	04	25.7	21.5	257	23	24.4	22.2	280
16.2	01	29.0	29.0	295									12	13.7	13.2	273	01	29.0	29.0	288	15	13.6	12.7	279
18.0													03	11.0	10.0	274					13	10.6	09.3	275
21.0													01	12.0	12.0	320					05	07.8	06.6	290
24.0																								
27.0																								
30.0																								
33.0																								

STATION	CALCUTTA/DUM DUM												DEHRADUN				DIBRUGARH/MOHANBARI							
TIME IN I.S.T.	0530*				1130				1730*				0530				0530				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	29	30.9	29.0	270	01	25.0	25.0	270	29	32.3	29.9	271	01	20.0	20.0	285	01	12.0	12.0	290	01	16.0	16.0	264
12.0	29	37.1	35.9	271	01	27.0	27.0	275	27	34.5	33.0	270	01	26.0	26.0	284	01	17.0	17.0	260				
14.1	21	32.6	31.7	266					16	27.1	26.4	270												
16.2	13	23.8	22.8	263					12	21.5	21.0	266												
18.0	05	15.8	14.2	262					08	13.6	12.2	259												
21.0	01	30.0	30.0	270					04	12.7	12.7	253												
24.0																								
27.0																								
30.0																								
33.0																								

STATION	DIBRUGARH/MOHANBARI				GADAG								GAUHATI								GOA/DABOLIM			
TIME IN I.S.T.	1730				0530				1730				0530*				1730*				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	01	17.0	17.0	290	19	13.6	11.3	282	11	17.2	16.3	287	21	35.8	32.1	262	19	36.9	34.3	263	01	18.0	18.0	279
12.0	01	19.0	19.0	280	17	14.2	12.1	287	08	20.1	16.6	286	17	41.1	38.5	264	14	36.6	34.2	261	01	16.0	16.0	304
14.1					15	16.0	09.7	273	06	15.3	14.8	284	11	35.8	34.5	264	12	34.4	33.4	265				
16.2					14	09.7	06.8	269	04	07.5	07.3	301	06	27.3	27.0	207	06	24.8	24.2	264				
18.0					12	07.3	04.9	295	02	08.5	07.5	281	02	20.0	20.0	238	01	03.0	03.0	354				
21.0					06	10.0	08.3	288					01	21.0	21.0	230								
24.0					04	09.2	05.0	360																
27.0					01	39.0	39.0	155																
30.0																								
33.0																								

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

MARCH 1967.(PHALGUNA 10,1888 SAKA - CHAITRA 10,1889 SAKA)

STATION	GWALIOR												IMPHAL/TULIHAL				JAGDALPUR							
TIME IN I.S.T.	0530				1130				1730				1130				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	02	44.0	40.3	290	03	27.6	25.2	282	03	36.0	36.0	299	01	55.0	55.0	260	11	22.9	22.3	280	11	23.6	22.9	277
12.0									01	29.0	29.0	286					05	22.4	20.2	273	07	16.6	15.0	274
14.1																	03	17.7	16.8	226	04	15.7	15.7	211
16.2																	02	07.0	06.9	256	01	05.0	05.0	281
18.0																	02	07.5	07.1	276				
21.0																	01	09.0	09.0	330				
24.0																								
27.0																								
30.0																								
33.0																								

STATION	JHARSUGUDA								JODHPUR								LUCKNOW/AMAUSI							
TIME IN I.S.T.	0530				1730				0530*				1730*				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	01	38.0	38.0	250	02	36.5	36.4	299	23	38.9	36.9	283	24	38.2	37.0	280	21	36.6	32.8	273	03	22.3	21.8	260
12.0	01	36.0	36.0	250	01	46.0	46.0	285	19	42.4	41.6	284	17	41.8	41.1	290	17	39.6	37.1	273	01	28.0	28.0	300
14.1									09	42.9	41.4	286	11	34.9	34.5	283	15	41.6	40.0	277				
16.2									05	30.8	30.4	290	05	26.4	26.2	273	09	24.7	22.6	266				
18.0									02	18.0	18.0	285	02	07.0	03.3	317	03	24.0	20.7	248				
21.0																	01	13.0	13.0	228				
24.0																	01	02.0	02.0	310				
27.0																								
30.0																								
33.0																								

STATION	LUCKNOW/AMAUSI				MADRAS/MINAMBAKKAM												MANGALORE/BAJPE							
TIME IN I.S.T.	1730*				0530*				1130				1730*				0530*				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	20	35.1	32.9	278	31	14.7	12.3	290	06	11.2	09.0	313	30	16.5	12.9	294	12	15.6	13.1	296	16	14.5	11.4	293
12.0	19	38.4	36.3	275	30	16.5	13.3	290	04	10.7	03.4	292	30	17.4	11.8	288	11	15.5	13.1	293	13	18.1	15.5	302
14.1	14	33.3	30.9	278	24	14.7	06.5	270	03	08.7	01.6	155	28	14.2	09.7	280	07	15.6	11.4	288	10	14.2	12.1	289
16.2	10	27.2	25.7	269	17	09.6	04.2	295	02	06.5	04.3	101	21	11.5	04.8	285	06	14.7	06.3	263	06	12.2	10.4	285
18.0	08	19.0	13.2	277	10	10.8	09.0	277	01	09.0	09.0	275	14	09.4	08.8	283	06	16.0	03.5	151	04	08.5	02.9	093
21.0	01	09.0	09.0	254	05	13.2	10.6	285	01	05.0	05.0	285	02	15.5	15.2	273	04	10.0	08.3	267	03	18.7	15.6	292
24.0					01	04.0	04.0	110													02	12.6	11.9	287
27.0																								
30.0																								
33.0																								

STATION	MINICOY												NAGPUR/SONEGAON											
TIME IN I.S.T.	0530				1130				1730*				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	04	09.8	03.0	327	02	09.5	09.4	348	28	09.4	02.1	343	26	31.6	30.6	280	03	31.7	28.9	275	24	33.0	30.7	279
12.0	02	05.5	05.4	346	01	16.0	16.0	345	28	10.9	02.9	343	20	32.7	31.5	277	01	29.0	29.0	275	22	34.0	32.8	285
14.1	02	05.0	03.7	182	01	11.0	11.0	035	25	10.9	03.3	037	12	31.1	30.0	271					13	34.5	31.9	275
16.2	02	07.5	06.7	108					19	08.1	02.7	064	06	22.5	20.8	276					07	28.7	28.5	278
18.0	01	04.0	04.0	225					13	07.5	03.6	267									01	22.0	22.0	283
21.0	01	08.0	08.0	315					07	09.9	09.3	263												
24.0									02	07.5	06.7	236												
27.0																								
30.0																								
33.0																								

STATION	NEW DELHI/SAFDARJUNG												POONA				PORT BLAIR							
TIME IN I.S.T.	0530*				1130				1730*				1730				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	25	39.2	37.2	270	05	31.0	27.6	298	28	40.5	38.8	276	02	24.0	23.0	296	30	14.9	09.9	246	08	13.1	08.4	262
12.0	25	39.3	38.5	280	02	31.5	31.5	262	25	39.8	38.8	279					30	14.8	10.3	249	07	12.1	08.5	230
14.1	24	30.5	30.0	274					20	29.7	29.1	274					24	15.2	07.3	212	05	10.0	07.1	270
16.2	23	15.6	15.0	273					17	16.3	15.9	271					15	11.1	06.5	238	04	06.8	02.8	266
18.0	20	07.7	06.8	274					12	06.9	04.4	263					07	08.9	02.7	269	03	07.0	04.7	019
21.0	12	05.2	04.4	286					10	05.5	03.3	264					04	09.5	09.4	240	01	08.0	08.0	170
24.0	06	10.8	09.7	283					02	09.0	08.9	258												
27.0	03	14.7	14.7	255																				
30.0																								
33.0																								

STATION	PORT BLAIR				RAIPUR								SRINAGAR								TIRUCHCHIRAPALLI			
TIME IN I.S.T.	1730*				0530				1730				0530*				1730*				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	29	14.8	09.9	247	03	24.7	24.4	263	03	25.0	22.9	268	26	30.5	28.3	276	22	30.3	27.7	280	08	13.0	13.0	270
12.0	29	14.4	09.8	242	01	19.0	19.0	250	01	37.0	37.0	275	22	31.5	29.4	270	17	33.6	32.9	285				
14.1	24	17.0	09.1	229									15	24.1	23.3	260	10	23.8	22.8	281				
16.2	15	14.1	05.8	191									02	36.5	35.5	291								
18.0	07	09.1	03.2	280																				
21.0	06	09.8	04.4	259																				
24.0																								
27.0																								
30.0																								
33.0																								

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

MARCH 1967.(PHALGUNA 10,1888 SAKA - CHAITRA 10,1889 SAKA)

STATION	TRIVANDRUM												UDAIPUR								VENGURLA			
TIME IN I.S.T.	0530*				1130				1730*				0530				1730				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	30	10.1	02.1	323	04	07.0	03.7	318	31	09.5	01.7	341	03	35.3	35.0	291	01	28.0	28.0	270	06	25.2	24.2	278
12.0	30	11.1	02.2	354	03	09.0	06.9	346	30	11.1	03.5	010	01	41.0	41.0	285								
14.1	23	11.8	02.3	096	03	10.7	04.4	003	27	11.8	01.4	073												
16.2	15	09.4	03.5	100	02	08.0	03.0	320	22	09.5	01.8	069												
18.0	08	06.6	06.1	263	02	15.5	06.5	094	12	07.6	00.8	257												
21.0	04	12.5	11.3	254	02	19.5	04.5	007	06	08.5	05.6	257												
24.0	01	15.0	15.0	223	01	17.0	17.0	235																
27.0																								
30.0																								
33.0																								

STATION	VERAVAL				VIJAYWADA/GANNAVARAM								VISHAKHAPATNAM											
TIME IN I.S.T.	1730				0530				1730				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	01	38.0	38.0	290	09	16.1	14.9	282	03	29.0	28.5	262	28	26.7	25.2	287	09	15.2	14.4	294	31	26.8	25.0	282
12.0					05	10.0	08.9	285					28	27.6	27.0	285	03	12.0	10.5	283	30	26.3	23.8	280
14.1					03	08.0	06.6	301					19	25.6	23.1	278	03	10.6	08.6	299	22	22.0	19.4	271
16.2					02	04.5	04.4	359					09	19.3	18.2	296	03	08.6	07.4	304	11	19.3	16.5	261
18.0					02	06.0	06.0	310									03	08.7	05.5	277	03	15.7	13.3	250
21.0					01	02.0	02.0	055									03	07.7	06.3	337	01	14.0	14.0	155
24.0																	01	06.0	06.0	216				
27.0																								
30.0																								
33.0																								

RADIOSONDE DATA

During the month, observations of upper air temperature, pressure, and humidity were made at 16 stations in India as given in the list below. For detailed description of the instruments used, a reference may be made to the I. M. D. Scientific Notes Nos. : 112 and 113 (Volume IX).

List of Radiosonde Stations in India

S. No.	Name of Station	Type of instrument used	Date of Starting	Hours of routine observations in G.M.T. during the month	Remarks
1.	Ahmadabad	Fan type	20th Jul. 1961	00 and 12	
2.	Bangalore	Fan type	10th Mar. 1961	00 and 12	
3.	Bombay/Santa Cruz	Clock type	7th Sep. 1954	00 and 12	
4.	Calcutta/Dum Dum	Clock type	13th Dec. 1946	00 and 12	Fan type from 13.12. 1946 to 30.11.1947.
5.	Cochin/Ernakulam	Fan type	1st Aug. 1966	00 and 12	
6.	Gauhati	Clock type	22nd Jul. 1955	00 and 12	
7.	Jodhpur	Clock type	17th Apr. 1946	00 and 12	
8.	Lucknow/Amausi	Clock type	15th Aug. 1966	00 and 12	
9.	Madras/Minambakkam	Fan type	29th June, 1946	00 and 12	
10.	Minicoy	Fan type	12th May. 1963	12	
11.	Nagpur/Sonegaon	Fan type	1st Oct. 1946	00 and 12	
12.	New Delhi/Safdarjung	Clock type	3rd Dec. 1943	00 and 12	
13.	Port Blair	Fan type	4th Dec. 1949	00 and 12	
14.	Srinagar	Clock type	1st Aug. 1962	00 and 12	
15.	Trivandrum	Fan type	1st July 1947	00 and 12	
16.	Vishakhapatnam	Fan type	8th Dec. 1946	00 and 12	

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(A) FROM ASCENTS AT 00 HRS G.M.T.
MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA)

STANDARD PRESSURE SURFACE MB	AHMADABAD SURFACE PR (1003 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BANGALORE (910 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BOMBAY/SANTACRUZ (1008 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00055	293.6	296	290	283.0	31	00921	291.6	295	287	288.3	31	00013	295.8	299	291	292.2
1000	31	00079	294.2	297	291	282.4	31	00112					31	00082	296.5	299	293	291.6
900	31	01001	295.3	300	291	276.0	31	01020	292.0	295	288	287.4	31	01007	295.5	300	290	281.5
850	31	01495	291.9	297	287	272.7	31	01512	291.5	296	288	283.8	31	01503	293.5	297	287	277.6
800	31	02013	288.2	292	284	271.4	31	02029	289.0	293	285	280.4	31	02025	290.2	293	284	275.1
700	31	03128	280.5	285	275	263.7	31	03148	281.9	285	278	273.9	31	03149	282.1	287	278	270.1
600	31	04378	272.0	278	266	256.7	31	04409	275.5	279	272	264.4	31	04407	274.0	279	260	259.3
500	31	05807	262.7	269	257		31	05861	267.1	271	263		31	05851	265.5	273	261	
400	31	07485	250.8	257	245		31	07560	255.2	260	251		31	07552	253.7	258	249	
300	30	09553	237.5	245	231		31	09676	240.8	247	234		31	09634	239.9	246	235	
250	30	10803	229.9	236	224		30	10931	231.3	236	224		31	10895	231.8	240	224	
200	29	12282	220.4	225	212		30	12411	220.1	227	211		31	12379	221.1	230	215	
175	27	13140	214.9	220	204		27	13208	213.9	219	205		29	13235	215.3	225	209	
150	23	14094	209.3	214	201		26	14210	207.5	214	197		28	14190	209.0	216	204	
125	15	15209	203.9	209	198		22	15316	202.4	208	195		26	15294	203.5	211	199	
100	09	16508	203.3	208	200		19	16646	198.4	204	189		21	16619	198.5	204	192	
80							16	17969	200.2	207	195		15	17917	199.8	209	193	
70							13	18748	202.5	211	197		10	18672	204.3	214	197	
60							12	19664	205.8	214	199		09	19607	207.7	213	200	
50							09	20751	209.1	220	201		06	20699	211.3	216	206	
40																		
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	CALCUTTA/DUM DUM SURFACE PR (1009 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	ERNAKULAM (1009 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	GAUHATI (1005 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00006	293.9	297	289	292.6	31	00003	299.0	301	297	296.1	31	00049	289.5	293	285	287.6
1000	31	00086	295.7	297	291	292.0	31	00083	298.6	301	297	295.7	31	00097	290.0	293	287	287.2
900	31	01000	292.7	298	287	283.6	31	01007	294.1	296	291	289.9	31	00998	290.1	295	287	279.3
850	31	01489	289.6	293	283	279.9	31	01500	291.1	294	288	285.5	31	01484	286.9	292	284	277.2
800	31	02001	285.7	289	279	276.7	31	02018	288.4	291	284	280.9	31	01993	283.7	289	281	273.8
700	31	03107	278.0	282	273	269.8	31	31412	832.2	882	792	702.3	10	30932	763.2	832	732	643
600	31	04350	270.9	277	264	256.9	31	04408	276.5	280	273	262.3	31	04326	269.3	274	266	
500	31	05774	262.0	270	257		31	05864	267.6	271	263		31	05747	261.8	271	256	
400	31	07451	251.0	258	243		31	07578	256.0	259	251		30	07423	250.8	259	244	
300	31	09509	236.4	245	227		30	09677	241.0	244	238		30	09476	236.2	246	228	
250	31	10751	228.9	236	222		30	10943	232.2	237	228		30	10716	228.3	237	222	
200	31	12225	222.5	229	214		30	12428	220.8	225	217		30	12191	222.8	229	212	
175	31	13091	218.7	225	212		29	13272	215.0	221	210		28	13062	219.9	225	214	
150	31	14063	213.5	220	207		26	14243	209.1	216	204		27	14043	216.0	223	209	
125	30	15189	208.7	215	198		24	15324	202.7	208	199		27	15188	212.1	221	203	
100	29	16529	203.3	210	192		23	16658	198.0	203	193		25	16542	207.8	215	198	
80	24	17857	203.5	212	195		21	17972	202.2	207	197		22	17900	207.2	214	200	
70	22	18674	207.1	215	199		19	18775	206.2	213	199		22	18714	208.4	215	199	
60	20	19619	211.0	221	207		17	19703	208.8	215	203		17	19691	212.5	223	207	
50	18	20760	214.8	223	209		16	20821	212.0	218	205		14	20818	215.3	223	207	
40	11	22196	219.6	229	215		11	22193	215.4	221	208		08	22227	218.7	224	209	
30	07	24054	222.9	229	219		08	24016	219.6	224	211							
20																		
10																		

STANDARD PRESSURE SURFACE MB	JODHPUR SURFACE PR (982 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	LUCKNOW/AMAUSI (995 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	MADRAS/MINAMBAKKAM (1009 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00217	294.3	299	291	279.9	31	00127	290.5	295	285	282.1	31	00029	296.9	301	294	295.5
1000	31	00051					31	00084					31	00090	296.9	300	293	294.5
900	30	00966	293.3	300	287	273.8	31	00992	292.7	299	289	271.5	31	01004	293.2	298	291	284.3
850	30	01456	290.7	297	284	271.4	31	01481	289.6	296	285	266.8	31	01496	291.5	295	288	277.9
800	30	01969	286.1	293	281	270.9	31	01994	286.1	293	279	264.9	31	02013	288.8	291	286	274.1
700	30	03076	278.5	284	272	260.2	31	03100	278.1	286	272	260.7	31	03132	282.2	286	277	266.1
600	30	04315	269.6	275	262		31	04340	269.9	282	263		31	04393	274.9	279	271	258.5
500	30	05731	260.2	267	253		30	05755	260.5	266	253		31	05841	266.4	271	264	
400	30	07398	248.8	258	241		30	07414	248.1	255	238		31	07548	255.1	259	251	
300	30	09427	233.5	243	225		30	09455	234.4	242	227		31	09622	240.4	243	236	
250	30	10663	227.3	234	222		29	10694	227.5	235	219		31	10904	231.0	235	227	
200	29	12135	220.0	226	215		28	12158	221.6	230	213		31	12380	219.7	225	213	
175	25	13008	215.6	222	207		28	12989	217.2	227	202		29	13217	214.0	220	208	
150	23	13973	211.0	218	203		26	13989	213.8	221	196		28	14188	207.5	215	200	
125	19	15088	207.0	212	198		26	15112	209.8	219	194		26	15273	202.4	211	194	
100	17	16423	204.0	209	197		21	16493	206.5	211	196		21	16599	198.1	207	192	
80	12	17800	207.7	215	200		18	17856	207.7	212	202		17	17898	199.3	207	192	
70	10	18617	212.1	224	203		15	18663	209.1	213	203		13	18680	202.1	211	197	
60	08	19605	216.3	228	209		13	19606	212.0	216	206		10	19594	204.6	213	201	
50							08	20728	214.7	221	209		07	20656	208.1	209	206	
40							05	22195	216.4	219	215							
30																		
20																		
10																		

RADIO SONDE DATA

TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE

(AT FROM ASCENTS AT 00 HRS G.M.T.

MARCH 1967.(PHALGUNA 10,1888 SAKA - CHAITRA 10,1889 SAKA)

STANDARD PRESSURE SURFACE MB	MINICOY SURFACE PR (0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NAGPUR/SONEGAON (974 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NEW DELHI/SAFDARJUNG (986 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SUREACE							31	00311	292.6	299	289	286.1	31	00209	289.2	294	285	281.9
1000							30	00087					31	00084				
900							30	01001	295.4	299	289	282.5	31	00987	290.9	296	286	275.5
850							30	01496	292.2	295	287	280.5	31	01473	287.7	293	283	271.1
800							30	02013	288.4	293	283	277.4	31	01983	284.1	290	279	269.7
700							30	03124	279.8	283	276	271.9	31	03085	276.3	281	271	263.9
600							30	04380	271.6	276	267	261.4	31	04315	267.7	272	263	
500							30	05811	263.3	268	257		31	05722	258.5	263	254	
400							30	07496	251.4	257	247		31	07377	247.4	254	243	
300							30	09552	236.8	245	229		30	09400	232.8	239	227	
250							29	10799	229.2	235	224		30	10624	225.9	234	215	
200							29	12268	220.3	227	216		30	12088	222.1	229	214	
175							27	13117	215.3	221	210		30	12956	219.7	230	209	
150							26	14074	209.1	217	204		29	13932	215.9	226	206	
125							21	15165	205.3	211	200		27	15077	212.5	223	202	
100							21	16516	200.7	209	192		25	16464	209.9	219	199	
80							15	17869	203.6	214	195		24	17826	208.2	218	200	
70							14	18670	206.7	218	196		22	18644	208.7	216	201	
60							12	19627	209.1	215	197		19	19606	211.9	217	203	
50							10	20740	215.0	222	206		14	20740	214.4	218	205	
40							05	22087	216.6	223	210		10	22147	216.8	221	210	
30													06	23982	219.5	224	215	
20																		
10																		

STANDARD PRESSURE SURFACE MB	PORT BLAIR SURFACE PR (1001 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	SRINAGAR (841 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	TRIVENDRUM (1002 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00079	296.5	299	294	295.2	27	01588	276.7	281	273	265.5	31	00064	298.2	300	297	295.5
1000	31	00087	296.6	299	294	295.2	27	00171					31	00080	298.1	300	297	295.4
900	31	01006	293.5	297	290	286.0	27	01008					31	01001	293.5	297	291	288.2
850	31	01499	291.5	295	287	280.6	27	01512					31	01493	290.5	296	287	283.7
800	31	02017	288.9	293	285	276.6	27	02004	276.0	281	270	272.0	31	02009	287.7	293	285	279.9
700	31	03137	282.7	287	277	268.9	27	03075	270.1	275	263	269.8	31	03127	282.5	287	278	270.7
600	31	04401	276.0	279	269	263.3	27	04279	262.1	268	255		31	04392	275.2	279	273	264.4
500	31	05851	267.0	271	260		27	05657	252.8	257	246		31	05844	267.2	269	262	
400	31	07566	256.1	261	248		27	07277	241.4	246	236		31	07556	255.4	260	251	
300	30	09684	241.6	248	234		26	09260	227.6	236	219		31	09652	241.[illegible]	246	235	
250	29	10928	232.8	238	227		26	10468	222.1	231	215		31	10914	231.1	239	226	
200	29	12413	221.0	225	215		24	11900	220.3	228	213		31	12390	219.3	229	213	
175	26	13279	214.8	220	209		23	12764	220.3	226	214		28	13225	213.2	218	207	
150	21	14238	208.8	214	205		21	13760	219.7	225	208		26	14175	206.5	213	198	
125	17	15328	201.9	208	196		17	14930	218.4	225	207		25	15247	200.6	208	193	
100	14	16648	198.8	206	194		13	16334	217.3	225	207		23	16572	197.3	203	189	
80	09	17944	201.9	206	196		11	17747	217.3	224	209		20	17876	200.9	207	195	
70	05	18510	202.2	207	198		08	18603	218.1	221	212		19	18667	204.2	213	197	
60							07	19571	218.8	223	215		15	19584	206.7	217	202	
50							05	20679	218.4	220	217		15	20692	210.7	223	205	
40																		
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	VISAKHAPATNAM SURFACE PR (1006 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00041	297.0	299	293	293.9												
1000	29	00091	296.9	299	294	293.5												
900	29	01010	294.4	299	289	285.2												
850	29	01505	292.2	297	286	282.5												
800	29	02024	288.8	292	283	279.5												
700	29	03147	280.9	285	276	273.7												
600	29	04400	273.5	278	267	266.2												
500	29	05843	264.9	273	259													
400	29	07540	253.0	259	244													
300	29	09615	238.6	247	232													
250	29	10870	230.5	237	223													
200	29	12348	220.9	227	213													
175	22	13175	214.8	222	207													
150	22	14146	209.3	217	202													
125	18	15259	204.8	213	200													
100	17	16591	199.8	205	193													
80	13	17916	202.5	207	193													
70	11	18715	204.2	208	202													
60	08	19683	207.5	213	205													
50	07	20737	211.4	221	209													
40																		
30																		
20																		
10																		

RADIO SONDE DATA

TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE (B) FROM ASCENTS AT 12 HRS G.M.T.

MARCH 1967. (PHALGUNA 10, 1888 SAKA - CHAITRA 10, 1889 SAKA)

STANDARD PRESSURE SURFACE MB	AHMADABAD SURFACE PR (1001 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BANGALORE (909 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BOMBAY/SANTACRUZ (1007 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00055	306.6	311	294	283.9	31	00921	303.1	306	299	284.7	31	00013	302.7	305	300	293.0
1000	31	00070	307.2	310	301	282.6	31	00064					31	00074	302.1	305	300	291.9
900	31	01006	298.2	307	285	277.3	31	01007	302.2	305	299	284.3	31	01005	297.7	304	288	280.4
850	31	01505	294.0	303	284	274.0	31	01511	296.9	301	293	284.0	31	01505	295.1	301	287	277.0
800	31	02026	289.3	299	283	272.3	31	02036	291.5	296	288	282.7	31	02029	291.4	297	285	275.6
700	31	03145	281.5	289	276	267.4	31	03163	282.5	288	278	275.9	31	03156	283.2	288	280	270.9
600	31	04399	273.1	281	269	255.1	31	04426	275.7	280	271	266.5	31	04419	275.4	282	271	263.8
500	31	05844	264.2	272	258		31	05879	267.6	273	264		31	05869	265.9	271	261	
400	31	07528	252.1	261	246		31	07591	256.1	261	251		31	07579	254.3	258	250	
300	31	09595	237.7	244	230		31	09696	241.6	247	236		31	09660	240.3	247	235	
250	30	10851	229.8	235	220		30	10967	232.4	239	227		31	10924	232.8	239	228	
200	30	12327	220.8	229	210		30	12450	220.8	231	213		31	12415	222.3	230	214	
175	27	13178	215.1	225	207		28	13295	214.8	225	207		28	13279	216.1	224	207	
150	26	14122	209.3	220	202		28	14267	208.2	220	200		28	14244	210.7	218	205	
125	20	15229	203.3	208	196		25	15336	202.4	214	193		25	15364	205.3	212	200	
100	17	16555	202.8	210	196		22	16670	198.0	207	191		25	16683	201.0	208	194	
80	09	17909	204.7	210	198		20	17974	200.3	210	194		23	18007	201.5	215	195	
70	08	18743	208.0	218	201		17	18753	202.3	213	197		21	18803	205.0	219	197	
60	05	19652	211.6	216	207		13	19675	206.1	215	201		15	19701	207.0	223	200	
50							10	20815	209.6	218	205		12	20799	210.6	218	204	
40							07	22195	211.6	219	208		07	22215	214.1	220	209	
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	CALCUTTA/DUM DUM SURFACE PR (1007 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	ERNAKULAM (1007 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	GAUHATI (1003 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00006	302.3	306	295	292.7	31	00003	303.8	305	301	297.0	31	00049	297.8	302	291	288.6
1000	31	00068	302.2	306	295	292.2	30	00066	303.1	305	301	296.6	31	00066	297.4	303	291	288.5
900	31	00997	295.9	303	290	285.9	30	00998	296.8	299	292	289.6	31	00988	292.4	298	285	280.3
850	31	01492	292.0	298	287	282.9	30	01495	293.8	297	291	286.9	31	01476	288.9	294	284	277.3
800	31	02010	288.4	293	282	279.2	30	02017	290.0	293	287	283.0	31	01990	285.2	289	281	275.1
700	31	03127	280.7	286	275	271.3	30	03142	282.9	285	279	272.6	31	03092	277.5	281	275	265.7
600	31	04382	273.4	279	268	261.5	30	04408	276.2	279	273	262.1	30	04333	270.4	276	266	
500	31	05818	264.0	270	257		29	05867	268.0	273	263		30	05759	262.6	270	258	
400	31	07510	252.7	259	247		29	07584	256.0	260	253		30	07441	250.8	257	243	
300	31	09583	238.9	246	233		29	09682	241.5	247	237		30	09496	236.6	247	228	
250	31	10839	230.9	238	224		29	10952	232.1	237	228		30	10737	228.8	239	221	
200	30	12320	223.5	230	218		28	12441	220.8	225	215		29	12220	223.0	230	215	
175	30	13186	218.6	225	212		25	13279	214.4	219	210		29	13094	219.3	228	215	
150	30	14162	213.7	222	204		24	14248	208.0	213	202		27	14025	214.9	221	209	
125	30	15298	208.5	218	201		22	15315	201.8	206	196		25	15178	209.2	218	201	
100	30	16636	203.5	213	196		21	16649	196.1	200	190		24	16531	205.0	215	195	
80	24	17949	204.4	211	198		19	17943	199.5	205	194		21	17966	205.1	212	198	
70	23	18753	206.5	213	202		17	18728	202.1	210	195		18	18676	206.9	214	197	
60	21	19701	210.5	219	207		16	19630	205.9	211	200		14	19608	210.1	217	201	
50	20	20820	215.0	223	206		15	20735	209.5	215	202		11	20767	213.1	219	203	
40	10	22216	217.9	222	213		09	22077	212.2	219	206		07	22142	214.9	221	209	
30							06	23831	215.0	221	210							
20																		
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STANDARD PRESSURE SURFACE MB	JODHPUR SURFACE PR (981 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	LUCKNOW/AMAUSI (994 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	MADRAS/MINAMBAKKAM (1008 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00217	301.9	307	293	281.0	31	00127	300.9	305	294	282.1	31	00029	302.3	305	297	296.2
1000	31	00043					31	00074					31	00081	301.4	304	298	295.4
900	30	00970	296.3	303	289	275.4	31	00997	295.0	301	289	276.5	31	01003	295.1	298	291	284.2
850	30	01463	291.9	299	285	272.3	31	01488	290.1	297	285	272.3	31	01498	292.8	295	290	279.2
800	30	01982	287.6	295	282	270.2	31	02002	286.7	291	281	268.5	31	02018	289.5	293	285	276.2
700	30	03088	279.4	286	273	260.2	31	03110	278.9	285	275	262.4	31	03141	283.2	286	280	268.4
600	30	04332	271.1	277	266	245.6	31	04352	270.8	277	266		31	04405	276.0	279	271	262.2
500	30	05754	261.6	268	256		31	05774	261.3	269	255		31	05858	267.2	271	260	
400	30	07430	250.2	256	243		31	07450	249.9	259	241		31	07569	255.6	260	249	
300	30	09476	235.7	240	228		31	09495	234.8	247	226		30	09672	241.2	245	235	
250	30	10719	229.3	236	221		30	10741	228.0	239	217		30	10941	232.4	238	225	
200	29	12201	222.3	230	214		29	12213	224.0	231	217		30	12423	220.8	227	214	
175	28	13026	218.9	226	211		28	13075	218.7	226	212		29	13275	214.7	220	206	
150	25	14051	213.7	222	206		28	14045	215.0	221	207		29	14233	208.1	214	201	
125	21	15283	210.2	220	200		27	15900	210.0	217	202		27	15320	202.1	209	194	
100	17	16545	206.5	213	196		26	16553	206.8	217	198		23	16658	197.9	204	188	
80	14	17802	207.1	216	202		25	17801	207.1	217	198		20	17963	200.6	207	192	
70	13	18634	209.6	216	201		23	18759	208.1	219	199		15	18781	204.4	213	195	
60	11	19641	215.7	222	210		18	19675	211.3	220	199		10	19703	207.7	214	198	
50	09	20791	219.1	224	212		14	20833	214.9	222	203		08	20803	212.1	217	202	
40	06	22211	221.7	226	219													
30																		
20																		
10																		

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(B) FROM ASCENTS AT 12 HRS G.M.T.
MARCH 1967.(PHALGUNA 10,1888 SAKA - CHAITRA 10,1889 SAKA)

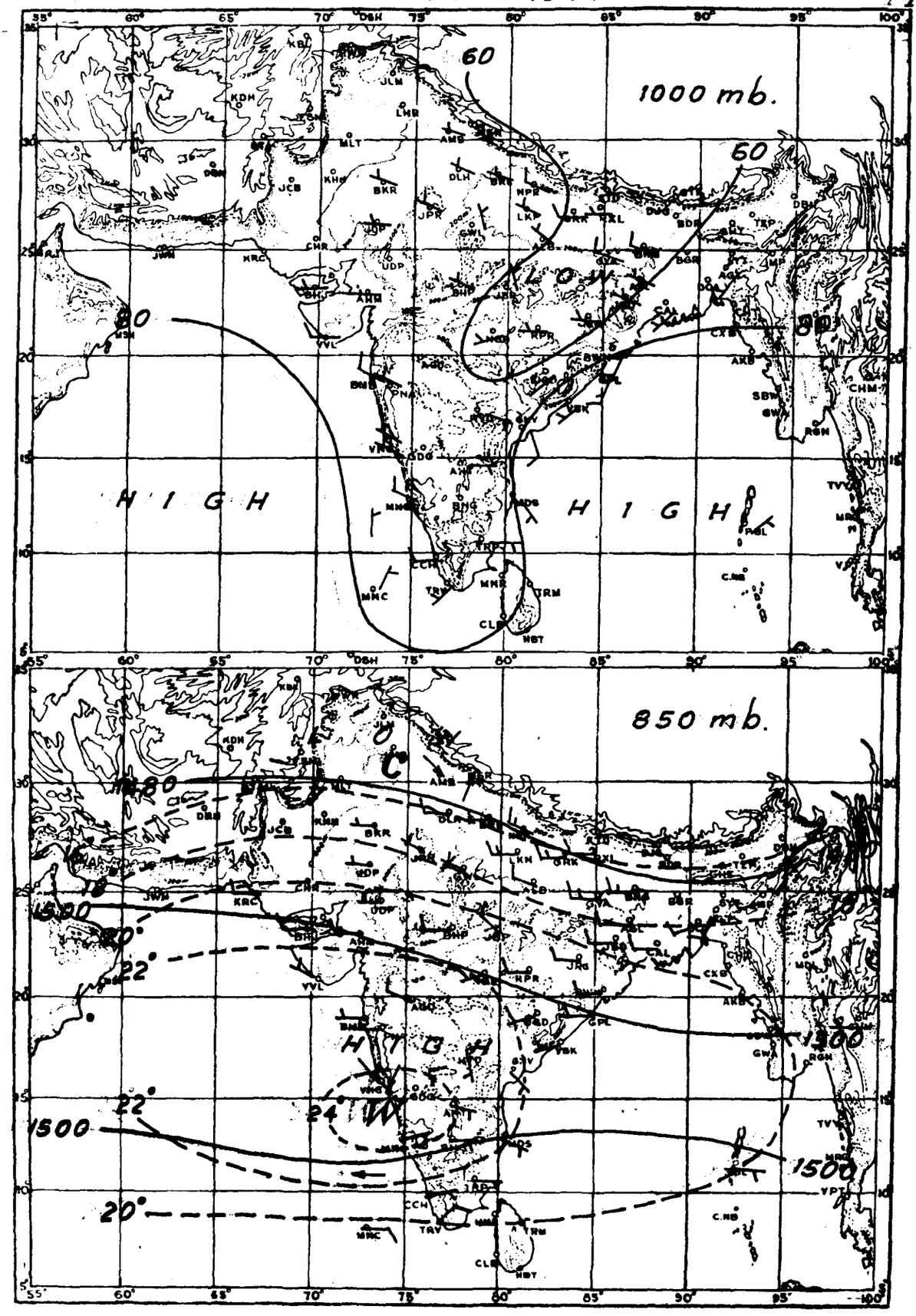
NDARD SSURE FACE MB	MINICOY SURFACE PR (1008 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NAGPUR/SONEGAON (972 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NEW DELHI/SAFDARJUNG (985 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
FACE	31	00002	302.9	304	301	296.5	31	00311	305.9	311	290	286.1	31	00209	299.3	303	290	283.8
1000	31	00076	301.8	303	299	295.9	31	00055					31	00075				
900	31	01001	293.7	296	291	290.0	31	00997	299.4	306	293	283.8	31	00994	293.1	298	284	278.7
850	31	01495	291.4	295	289	285.8	31	01497	294.8	300	289	281.4	31	01484	289.2	295	283	275.5
800	31	02012	288.5	293	283	280.5	31	02020	289.9	295	285	279.7	31	01997	285.5	291	280	271.4
700	31	03134	283.0	285	280	271.9	31	03139	280.3	283	275	273.6	31	03101	277.7	282	273	264.0
600	31	04401	276.5	281	273	263.2	31	04389	272.1	276	267	263.9	31	04340	269.5	273	266	
500	31	05858	268.2	272	264		31	05823	263.6	269	258		31	05756	259.9	263	255	
400	31	07576	256.5	260	252		31	07518	252.0	259	246		31	07419	248.2	255	243	
300	30	09677	241.8	246	239		31	09578	237.9	246	229		31	09452	234.3	242	227	
250	29	10946	232.7	238	229		31	10829	229.9	238	224		30	10679	227.0	236	219	
200	29	12430	221.2	228	216		31	12301	[illegible]	229	213		30	12153	222.9	231	215	
175	26	13269	214.3	222	208		26	13186	215.4	224	209		29	13015	220.2	230	211	
150	26	14237	208.1	216	199		23	14122	210.8	216	203		27	13998	217.2	224	209	
125	22	15357	202.5	210	196		17	15188	206.0	211	203		22	15138	212.9	224	206	
100	18	16684	198.4	205	193		17	16536	201.3	208	196		17	16524	210.3	219	201	
80	17	17991	201.4	213	191		10	17833	201.8	208	195		16	17904	209.0	216	200	
70	15	18813	204.1	218	194		06	18597	204.8	209	201		12	18739	211.2	217	203	
60	10	19742	207.7	215	197		05	19543	206.8	211	203		11	19700	214.7	220	207	
50	08	20873	211.4	219	199								07	20837	217.6	221	212	
40	05	22273	204.0	222	203													
30																		
20																		
10																		

NDARD SSURE FACE MB	PORT BLAIR SURFACE PR (1001 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	SRINAGAR (840 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	TRIVENDRUM (1000 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
FACE	31	00079	300.8	306	299	295.6	25	01588	[illegible]	290	280	278.0	31	00064	303.5	305	301	295.6
1000	31	00085	300.6	306	299	296.0	25	00107					31	00068	303.2	305	301	295.5
900	31	01002	293.4	299	291	288.6	25	01009					31	00999	295.3	298	293	290.4
850	31	01496	292.7	298	288	283.5	25	01491					31	01494	292.5	295	290	287.3
800	31	02011	288.9	294	286	277.4	25	01997	281.0	287	276	270.0	31	02015	289.7	292	285	282.9
700	31	03130	282.9	287	279	270.8	25	03079	273.0	277	268	265.0	31	03141	283.7	288	280	272.6
600	31	04394	275.9	280	272	265.0	25	04294	264.0	268	259		31	04411	277.0	279	274	265.7
500	31	05843	267.3	273	263		25	05678	254.0	259	247		31	05871	268.9	273	266	
400	31	07555	256.3	261	252		25	07299	243.0	249	237		31	07595	257.9	260	255	
300	29	09643	241.1	248	235		24	09292	229.0	237	220		31	09708	242.7	246	238	
250	29	10908	231.4	238	226		21	10516	224.0	231	215		31	10987	233.2	238	228	
200	29	12385	220.6	228	214		20	11925	223.0	231	214		30	12466	221.2	227	215	
175	24	13215	213.1	220	206		18	12834	222.0	228	215		28	13307	215.5	222	210	
150	21	14175	207.8	215	203		18	13827	220.0	227	214		28	14285	209.0	216	203	
125	19	15256	200.8	209	194		14	15009	218.0	226	211		27	15374	203.1	210	197	
100	15	16558	197.5	210	192		14	16431	217.7	224	211		25	16707	198.4	205	191	
80	10	17862	202.2	212	196		08	17823	218.0	224	214		20	18011	201.4	207	196	
70	10	18648	205.8	215	199		07	18726	219.0	223	215		15	18810	205.4	211	199	
60	08	19591	209.4	219	205		06	19776	221.0	226	217		11	19770	208.2	213	205	
50	07	20733	213.4	224	206								10	20876	211.7	220	208	
40																		
30																		
20																		
10																		

NDARD SSURE FACE MB	VISAKHAPATNAM SURFACE PR (1005 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
FACE	31	00041	300.8	305	295	295.6												
1000	31	00083	300.4	305	295	294.3												
900	31	01007	295.5	301	291	284.2												
850	31	01503	292.9	297	288	281.7												
800	31	02023	289.4	293	285	278.8												
700	31	03146	281.4	285	277	274.6												
600	31	04404	273.7	278	271	263.4												
500	31	05849	265.5	271	261													
400	31	07552	254.5	260	249													
300	31	09642	240.0	249	233													
250	31	10903	231.9	240	227													
200	30	12389	221.5	227	217													
175	27	13248	216.7	221	211													
150	26	14221	211.0	216	203													
125	24	15323	205.6	212	199													
100	20	16659	201.3	207	197													
80	16	18001	202.6	207	198													
70	15	18873	204.3	209	200													
60	14	19728	207.4	212	203													
50	14	20812	211.4	218	205													
40	06	22225	213.5	222	206													
30																		
20																		
10																		

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I. Met.D. — *MARCH 1967* — Plate I.

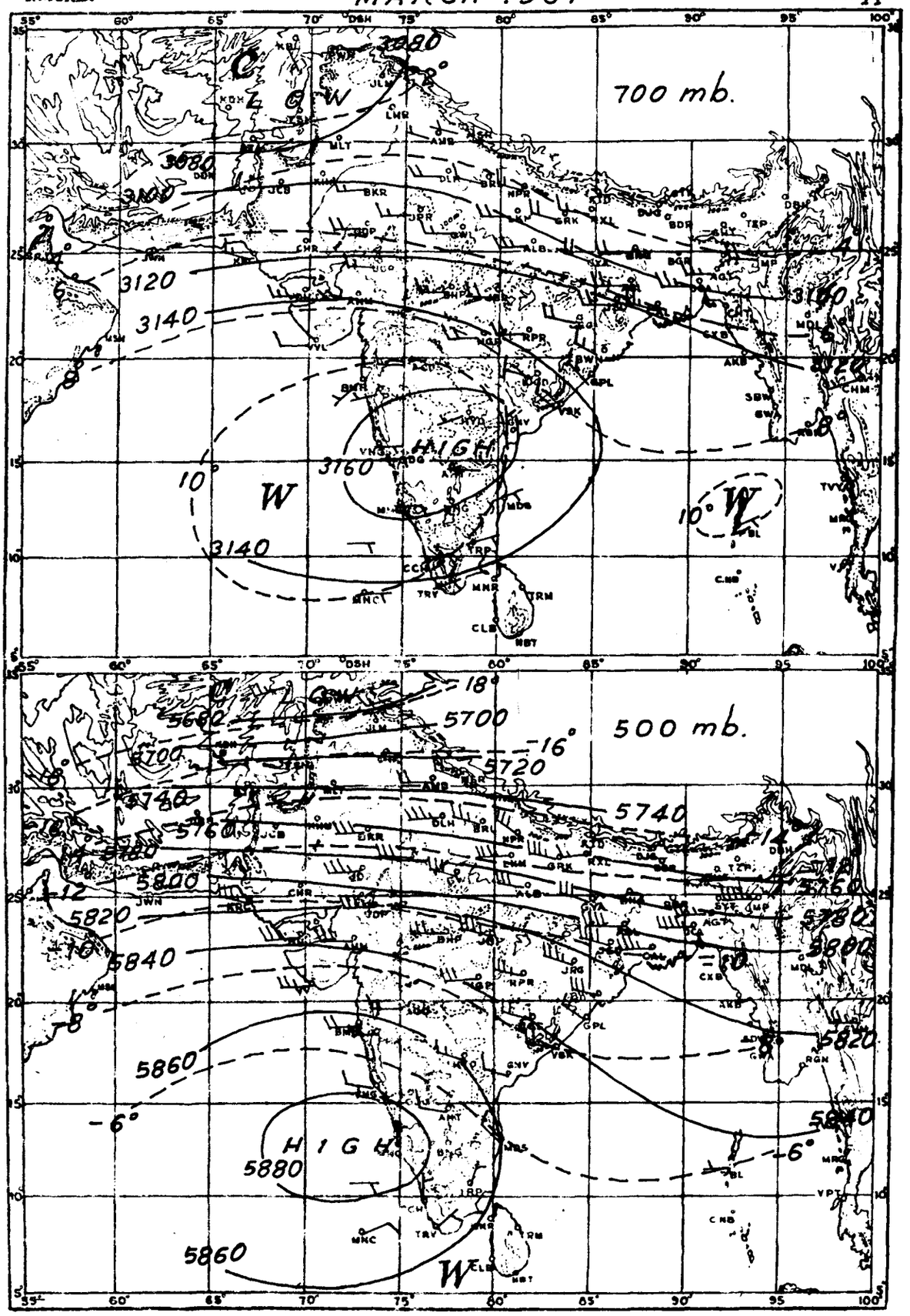


RESULTANT WIND — 5 Knots, — 10 Knots, — 50 Knots.

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

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I.Met.D. MARCH 1967 Plate II



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

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

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GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

INDIA WEATHER REVIEW, 1967

MONTHLY WEATHER REPORT

APRIL

Published by the authority of the Govt. of India
under the direction of the
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INDIA WEATHER REVIEW, 1967

Monthly Weather Report

APRIL

MONTHLY WEATHER REPORT

FOR

APRIL - 1967

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** ** **

MEANINGS OF SYMBOLS AND ABBREVIATIONS IN TABLES

II and III

Symbol/Abbreviation	Meaning
(a)	Mean/total for 30 days.
(b)	Mean/total for 29 days.
(c)	Mean/total for 28 days.
(d)	Mean/total for 27 days.
(e)	Mean/total for 26 days.
(f)	Mean/total for 25 days.
(g)	Mean/total for 24 days.
(h)	Mean/total for 23 days.
(i)	Mean/total for 22 days.
(j)	Mean/total for 21 days.
(k)	Mean/total for 20 days.
(l)	Mean/total for 19 days.
(m)	Mean/total for 18 days.
(n)	Mean/total for 17 days.
(o)	Mean/total for 16 days.
(p)	Mean/total for 15 days.
(q)	Mean/total for 14 days.
*	Closed during winter months.
(R)	Register not received, hence data not available.
≠	Data for less than 15 days, hence no means published.
ds	Days.
●	Data rejected.
D.N.	Data not available.
E	Estimated.
H	Provisional height.

INDIA WEATHER REVIEW, 1967

Monthly Weather Report

APRIL

Published by authority of the Government of India

Chief features :

i) Movement of seven western disturbances across northwest India causing only meagre precipitation except over Jammu and Kashmir;

ii) Good thundershower activity over northeast India during the second fortnight with a few severe thunderstorms and hailstorms; and

iii) Sub-normal thundershower activity over the Peninsula.

Seven western disturbances moved across northwest India during the month; but they caused only meagre precipitation except over Jammu and Kashmir where it was moderate. Three western disturbances affected Jammu and Kashmir during the first week, the first one being fairly active and the other two feeble. The next two disturbances moved eastwards across northwest India during the third week, the former giving moderate thundershowers over the Western Himalayas and adjoining plains and the latter, a weak disturbance, causing only isolated light precipitation over Jammu and Kashmir. The last two disturbances were fairly active and affected many parts of northwest India. The details of the movement and activity of the various western disturbances are given in the accompanying statement.

Weather remained mainly dry over northeast India during the first fortnight. By the middle of the month, the seasonal trough of low pressure there became active and Assam began to get thundershower which continued till the end of the month. The activity became marked and spread to the other parts of northeast India during the middle of the third week, when according to press reports, many parts of Assam and Sub-Himalayan West Bengal were hit by severe thunder-storms and hailstorms causing damage to public property and loss of a few lives. Silchar recorded 7 cm. of rain on 16th, Halflong 13 cm. on 18th and Gauhati 7 cm. on 19th. With the movement of the last two western disturbances of the month across northwest India, the trough over northeast India extended into Uttar Pradesh during the last week. Consequently, there were two spells of thundershowers over Uttar Pradesh and parts of Madhya Pradesh. The thundershower activity over Assam and parts of West Bengal was also well maintained. Berhampore recorded 8 cm. of rain on 24th and Baghdogra 9 cm. and Tura 7 cm. on 29th.

The seasonal trough of low pressure over the Peninsula remained with feeble intensity most of the time leading to sub-normal precipitation there. During the first week there were scattered or isolated thundershowers. The activity decreased considerably during the second week and was confined to the extreme south Peninsula. An upper air cyclonic circulation, which developed over east Madhya Pradesh on 20th and shifted slightly southwestwards, helped to revive the activity of the seasonal trough over the Peninsula and consequently the thunderstorm activity there increased during the last week.

Day temperatures were below normal over northwest India, Uttar Pradesh, Gujarat State and the central parts of the country during the first ten days of the month, being appreciably to markedly so over northwest India and Gujarat State during the first week. During the last week also they were below normal over the country outside parts of the Peninsula. Over northeast India, day temperatures remained below normal during the second fortnight being markedly so over Assam. They were appreciably to markedly above normal over Gujarat State during the second week.

Rainfall was in large excess in Gangetic West Bengal, Orissa, Bihar, East Uttar Pradesh and Interior Mysore North; in moderate excess in South Assam, and east Rajasthan and normal in

Interior Mysore South. It was in slight defect in the Bay Islands, Sub-Himalayan West Bengal, Saurashtra and Kutch and Madhya Maharashtra and in moderate defect in north Assam, East Madhya Pradesh, Vidarbha, Coastal Andhra Pradesh, Telangana and the Arabian Sea Islands. It was in large defect over the rest of the country.

The mean maximum temperature was above normal in Kerala, below normal in South Assam, Sub-Himalayan West Bengal, Bihar, Uttar Pradesh, Haryana, Punjab, Himachal Pradesh and Rajasthan. It was normal over the rest of the country.

The mean minimum temperature was above normal in Himachal Pradesh, below normal in Assam, Sub-Himalayan West Bengal, Gangetic West Bengal, Orissa, Bihar, Uttar Pradesh, Jammu and Kashmir and West Madhya Pradesh. It was normal over the rest of the country.

The mean Relative Humidity in the morning was above normal in Bihar Plains, West Uttar Pradesh, Haryana, Himachal Pradesh and Jammu and Kashmir and normal over the rest of the country.

The mean Relative Humidity in the evening was above normal in Bihar Plains, below normal in Arabian Sea Islands and normal over the rest of the country.

The mean cloud amount in the morning was above normal in Haryana, Punjab, West Rajasthan, Saurashtra and Kutch and Interior Mysore North. It was below normal in Bay Islands, Gangetic West Bengal, Bihar Plateau, East Madhya Pradesh, Gujarat, Vidarbha, Rayalaseema and Interior Mysore South. It was normal over the rest of the country.

The mean cloud amount in the evening was above normal in Sub-Himalayan West Bengal, Haryana, West Rajasthan, Saurashtra and Kutch and Interior Mysore North. It was below normal in Bay Islands, Gangetic West Bengal, Orissa, Bihar Plateau, East Uttar Pradesh, Himachal Pradesh and Vidarbha. It was normal over the rest of the country.

Table I contains the divisional and sub-divisional means of rainfall, temperature, humidity and cloud amount for the 17 chief political divisions and the 33 sub-divisions. The stations whose observations are used for preparing these means are given in the subsequent tables.

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

Poona-5.

13th August, 1967.

R. ANANTHAKRISHNAN,

for Director General of Observatories.

STATEMENT SHOWING THE MOVEMENT AND ACTIVITY OF WESTERN DISTURBANCES DURING THE MONTH OF APRIL, 1967.

No.	Period	Course	Region affected	Nature of precipitation	Period	Remarks
1.	30th Mar. - 3rd April	Afghanistan - Punjab - Western Himalayas.	Jammu and Kashmir	Fairly widespread rain or snow	1st & 2nd	Fairly active disturbance. Gulmarg recorded 11 cm. of rain on 1st and 10 cm. on 2nd.
2.	2nd - 5th	West Pakistan and adjoining Afghanistan - Jammu & Kashmir.	Jammu and Kashmir	Isolated rain or snow	3rd,4th & 5th	-
3.	7th - 9th	Northern divisions of West Pakistan - Jammu and Kashmir.	Jammu and Kashmir	Isolated rain or snow	8th	Feeble.
4.	14th - 19th	South Afghanistan - Central parts of West Pakistan-Western Himalayas.	Jammu and Kashmir The Punjab Himachal Pradesh West Uttar Pradesh	Isolated/Scattered rain Isolated rain Isolated rain Scattered/Isolated rain.	17th,18th & 19th 18th 19th 18th & 19th	-
5.	20th - 22nd	Baluchistan & adjoining Afghanistan - Western Himalayas.	Jammu and Kashmir	Isolated light rain	22nd & 23rd	Feeble.
6.	24th - 28th	West Pakistan-and adjoining Afghanistan - Punjab - Western Himalayas.	Jammu and Kashmir Himachal Pradesh The Punjab West Uttar Pradesh	Fairly widespread/isolated Scattered/isolated rain Isolated rain Scattered rain	27th & 28th 27th & 28th 27th & 28th 27th.	-
7.	27th - 30th	Central parts of West Pakistan - Jammu & Kashmir	West Rajasthan East Rajasthan Jammu & Kashmir Himachal Pradesh	Isolated rain Isolated rain Scattered rain Isolated rain	28th 28th,29th & 30th 29th & 30th 29th	-

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS - APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1.ASSAM(INCLUDING NEFA ETC.)	133.2	82	30.3	18.1	70	61	3.7	4.0
	- 29.6		-1.0	-2.0	- 1	- 1	-0.2	+0.2
2.WEST BENGAL . . .	70.1	131	34.7	21.7	59	49	2.1	2.4
	+ 16.8		-1.2	-1.8	- 3	+ 2	-0.7	-0.3
3.ORISSA . .	43.4	158	36.6	22.7	60	50	2.0	2.7
	+ 16.0		-0.5	-1.9	- 0	+ 1	-0.3	-0.7
4.BIHAR . .	36.1	218	35.6	20.8	48	34	1.1	1.7
	+ 19.6		-1.9	-1.6	+ 5	+ 7	-0.6	-0.4
5.UTTAR PRADESH . .	9.2	111	35.7	19.3	44	27	1.1	1.3
	+ 0.9		-1.3	-1.3	+ 6	+ 4	-0.1	-0.3
6.HARYANA(INCLUDING DELHI+CHANDIGARH)	1.2	11	34.0	19.2	47	26	1.8	2.4
	- 9.1		-1.9	-0.5	+ 6	+ 4	+0.5	+0.7
7.PUNJAB . .	1.3	11	33.2	17.5	50	27	2.4	2.7
	- 10.1		-1.8	-0.4	+ 4	+ 0	+0.5	+0.2
8.HIMACHAL PRADESH.	0.5	2	30.1	15.3	69	36	2.2	2.7
	- 27.9		-1.5	+1.2	+ 9	+ 4	-0.4	-0.8
9.JAMMU AND KASHMIR	28.8	49	21.1	7.6	63	46	3.5	5.2
	- 30.1		-0.5	-1.3	+ 7	+ 4	+0.1	+0.2
10.RAJASTHAN . .	2.8	93	36.3	20.4	42	25	1.9	2.5
	- 0.2		-1.2	-0.9	+ 3	+ 1	+0.5	+0.4
11.MADHYA PRADESH .	6.0	63	37.8	21.3	34	22	1.1	2.3
	- 3.5		-0.3	-0.7	+ 1	+ 2	-0.6	-0.4
12.GUJARAT STATE(IN INCLUDING DIU ETC)	0.4	29	36.1	22.0	60	37	1.5	1.7
	- 0.9		-0.5	-0.7	- 1	- 0	-0.0	+0.3
13.MAHARASHTRA STATE	7.2	66	37.2	23.6	49	35	1.9	2.7
	- 3.6		+0.3	-0.4	- 1	+ 0	-0.3	-0.4
14.ANDHRA PRADESH .	11.8	65	37.3	25.0	63	43	3.0	3.1
	- 6.2		+0.1	-0.5	- 1	- 0	-0.2	-0.2
15.MADRAS STATE (IN CL. PONDICHERRY)	15.2	36	35.4	24.9	73	55	3.6	4.0
	- 26.6		+0.6	-0.5	+ 0	- 3	-0.5	-0.2
16.MYSORE . .	37.0	102	35.7	22.7	65	41	3.0	4.4
	+ 0.8		+0.6	-0.3	- 2	- 1	-0.1	+0.0
17.KERALA . .	54.0	39	34.7	25.5	74	66	4.3	5.4
	- 85.1		+1.4	+0.4	- 4	- 3	-0.2	-0.1

SUB-DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1.BAY ISLANDS .	74.8	83	32.4	23.8	72	77	3.2	3.8
	- 15.6		+0.6	-0.7	- 2	- 2	-1.5	-1.3
2.NORTH ASSAM (INCLUDING NEFA)	89.0	57	30.3	18.1	70	60	3.9	4.1
	- 67.8		-0.7	-1.9	- 1	- 3	-0.4	+0.1
3.SOUTH ASSAM(INCLUDING N.LAND ETC.)	240.5	136	30.4	18.1	70	61	3.5	3.8
	+ 63.2		-1.6	-2.2	+ 0	+ 2	+0.0	+0.4
4.SUB-HIMALAYAN WEST BENGAL .	77.8	85	31.7	19.1	60	51	2.8	2.7
	- 13.3		-1.7	-1.6	- 1	+ 4	-0.2	+0.6
5.GANGETIC-WEST BENGAL. . .	67.5	166	35.8	22.6	58	49	1.8	2.3
	+ 26.8		-1.0	-1.9	- 3	+ 1	-0.9	-0.7
6.ORISSA . .	43.4	158	36.6	22.7	60	50	2.0	2.7
	+ 16.0		-0.5	-1.9	- 0	+ 1	-0.3	-0.7
7.BIHAR PLATEAU .	35.8	180	36.3	21.1	43	28	0.8	2.2
	+ 15.9		-1.4	-1.6	+ 2	+ 3	-1.0	-0.7
8.BIHAR PLAINS .	36.4	255	35.1	20.4	53	39	1.4	1.3
	+ 22.1		-2.3	-1.6	+ 7	+11	-0.2	-0.3
9.UTTAR PRADESH, EAST. .	12.5	237	36.9	20.4	43	27	1.0	0.8
	+ 7.2		-1.4	-1.2	+ 5	+ 4	-0.2	-0.6
10.UTTAR PRADESH, WEST. . .	4.9	39	34.1	17.9	45	29	1.4	2.1
	- 7.6		-1.2	-1.4	+ 6	+ 5	+0.0	+0.1
11.HARYANA (INCLUDING DELHI ETC.)	1.2	11	34.0	19.2	47	26	1.8	2.4
	- 9.1		-1.9	-0.5	+ 6	+ 4	+0.5	+0.7
12.PUNJAB .	1.3	11	33.2	17.5	50	27	2.4	2.7
	- 10.1		-1.8	-0.4	+ 4	+ 0	+0.5	+0.2
13.HIMACHAL PRADESH	0.5	2	30.1	15.3	69	36	2.2	2.7
	- 27.9		-1.5	+1.2	+ 9	+ 4	-0.4	-0.8
14.JAMMU + KASHMIR.	28.8	49	21.1	7.6	63	46	3.5	5.2
	- 30.1		-0.5	-1.3	+ 7	+ 4	+0.1	+0.2
15.RAJASTHAN,WEST.	1.3	43	36.4	20.5	44	25	2.1	2.8
	- 1.7		-1.1	-1.0	+ 2	+ 0	+0.9	+0.9
16.RAJASTHAN,EAST.	4.1	140	36.2	20.4	40	25	1.6	2.2
	+ 1.2		-1.2	-0.9	+ 4	+ 2	+0.2	-0.1
17.MADHYA PRADESH, (WEST).	2.7	53	37.8	20.8	32	20	1.3	2.3
	- 2.4		-0.3	-1.1	+ 2	+ 3	-0.3	-0.3
18.MADHYA PRADESH, EAST. .	10.5	68	37.8	22.0	37	23	0.9	2.4
	- 4.9		-0.4	-0.3	- 0	+ 2	-0.9	-0.5
19.GUJARAT REGION(INCLUDING DAMAN ETC)	0.0	0	38.2	22.5	49	22	0.7	1.4
	- 2.1		-0.8	-0.5	- 1	- 1	-0.7	+0.0
20.SAURASHTRA KUTCH (INCLUDING DIU).	0.6	79	34.8	21.7	68	47	2.1	1.9
	- 0.2		-0.4	-0.8	- 1	+ 1	+0.5	+0.5
21.KONKAN (INCLUDING GOA) .	1.7	26	32.3	25.0	72	69	2.6	2.0
	- 4.9		+0.5	-0.1	- 1	+ 1	-0.4	-0.4
22.MADHYA MAHARASHTRA. . .	11.1	86	39.0	22.2	43	24	1.6	3.1
	- 1.8		+0.2	-0.3	- 3	+ 1	-0.1	-0.1
23.MARATHWADA .	2.1	31	39.1	22.7	32	20	1.9	3.4
	- 4.8		+0.3	-0.7	- 4	- 2	+0.2	-0.0
24.VIDARBHA .	9.0	67	39.5	24.1	40	22	1.6	2.5
	- 4.4		+0.1	-0.8	+ 0	- 0	-0.7	-0.8
25.COASTAL ANDHRA - PRADESH .	11.0	74	35.7	25.2	72	61	3.7	2.9
	- 4.0		+0.2	-0.6	- 0	- 2	+0.0	-0.1
26.TELANGANA .	15.1	68	38.6	24.9	56	29	2.5	2.9
	- 7.2		-0.1	-0.3	- 1	+ 2	-0.3	-0.5
27.RAYALASEEMA .	7.6	44	38.5	24.5	54	30	2.2	3.9
	- 9.8		+0.4	-0.8	- 2	- 0	-0.6	+0.1
28.MADRAS STATE.(IN CL. PONDICHERRY)	15.2	36	35.4	24.9	73	55	3.6	4.0
	- 26.6		+0.6	-0.5	+ 0	- 3	-0.5	-0.2
29.COASTAL MYSORE .	3.7	15	33.3	25.3	73	67	3.2	3.9
	- 21.4		+0.7	-0.1	- 2	- 3	-0.6	-0.1
30.INTERIOR MYSORE, NORTH. .	47.5	162	37.6	23.0	53	33	3.1	4.9
	+ 18.2		+0.3	-0.1	- 4	- 1	+0.8	+1.0
31.INTERIOR MYSORE, SOUTH. .	44.5	93	35.3	21.2	72	35	2.7	4.1
	- 3.3		+0.9	-0.5	+ 1	- 1	-0.7	-0.8
32.KERALA .	54.0	39	34.7	25.5	74	66	4.3	5.4
	- 85.1		+1.4	+0.4	- 4	- 3	-0.2	-0.1
33.ARABIAN SEA - ISLANDS. .	22.3	58	32.7	26.3	73	67	3.5	4.7
	- 16.1		+0.6	-0.4	- 1	- 7	-0.5	+0.1

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

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — APRIL 1967. (CHAITRA 11 - VAISAKHA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Duststorm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	21	22	23	24	25	26	27	28
BAY ISLANDS																												
MAYA BANDAR	32.5	+1.2	34.0	19	24.5	-0.2	23.2	25	34.8	34.8	- 8.7	30.4	19	1	- 1.5	8.9	5.4	-1.0	0	5	0	0	5	0	0	0	0	0
LONG ISLAND	32.5	-0.2	34.6	03	24.0	-0.6	19.4	25	76.4	113.0	+ 50.6	64.8	25	6	+ 2.6	5.7	2.9	+1.0	0	7	0	0	0	0	0	0	0	0
PORT BLAIR	33.2	+1.3	34.4	12	23.5	-0.7	22.2	11	9.8	31.8	- 29.2	9.2	21	5	+ 0.5	7.8	5.9	-2.8	0	6	0	0	7	0	0	0	0	0
CAR NICOBAR	32.1	0.0	32.8	03	21.7	-1.5	18.0	02	72.5	88.1	- 21.1	38.6	12	7	+ 1.1	4.0	2.8	-0.2	0	8	0	0	4	0	0	0	0	0
NAN COWRY	33.0	+0.7	35.0	09	25.1	-0.1	23.0	12	132.1	141.5	+ 15.6	45.8	16	8	0.0	1.4	0.9	-1.1	0	14	0	0	10	0	0	0	0	0
KONDUL	30.9	+0.5	32.4	09	24.1	-1.2	23.1	03	38.8	39.6	-100.9	19.6	11	3	- 4.6	2.3	1.1	-1.8	0	3	0	0	14	0	0	0	0	0
NORTH ASSAM (INCLUDING NEFA)																												
PASIGHAT	29.0	+0.5	33.4	25	18.8	-0.8	15.8	17	15.0	62.0	-151.7	19.6	19	6	- 4.4	9.4	12.8	+1.0	0	8	0	0	9	0	0	0	0	0
DIBRUGARH (MOHANBARI)	29.1	+0.6	33.1	25	18.3	-0.7	14.0	13	26.8	74.7	-139.1	29.8	19	6	- 6.7	5.8	5.0	0.0	2	8	0	0	9	1	0	0	2	0
DIGBOI	29.2	+0.4	33.7	24	17.5	-1.3	14.0	02	17.3	59.9	-163.8	20.6	17	4	-10.4	..	..	..	1	11	0	0	0	0	0	0	0	0
NORTH LAKHIMPUR	29.0	+0.2	32.2	25	16.7	-2.7	12.2	13	6.9	38.1	-105.4	14.6	19	5	- 5.4	6.3	3.8	..	2	12	0	0	6	0	0	0	0	0
SIBSAGAR	29.5	+0.8	33.2	04	..	..	..	..	20.8	68.7	-189.1	18.3	19	5	- 8.6	4.9	4.6	-1.3	0	10	0	0	7	0	0	0	0	0
GOHPUR	29.4	-1.0	33.0	25	17.5	-1.6	12.3	08	12.0	83.5	- 45.4	39.8	25	8	+ 1.0	6.5	4.5	..	2	13	0	0	0	0	0	0	0	0
MAJBAT	31.1	..	[illegible]	[illegible]	17.3	..	[illegible]	[illegible]	1.0	53.4		..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	0
JORHAT AERODROME	29.8	..	33.2	08	19.0	..	15.6	13	16.2	100.2	..	19.0	29	9	..	..	..	..	0	10	0	0	12	2	0	0	0	0
TANGLA	31.1	-0.6	34.1	05	..	..	..	..	17.0	77.7	-112.9	25.1	19	6	- 3.0	5.9	4.8	+1.5	0	6	0	0	0	0	0	0	0	0
TEZPUR	30.6	+0.3	34.6	06	19.7	-0.5	16.7	07	1.7	47.8	-109.9	13.4	16	6	- 5.0	8.8	6.6	-0.1	0	12	0	0	5	0	0	0	0	0
GOLAGHAT	30.3	-0.2	33.6	09	16.8	-3.2	13.4	13	1.4	103.6	+ 1.2	37.0	17	6	- 3.4	..	..	..	1	10	0	0	0	0	0	0	0	0
RANGIA	30.9	-2.0	35.2	09	19.3	-0.5	13.9	08	3.2	72.7	- 9.3	35.3	21	5	- 1.3	10.2	6.9	..	0	8	0	0	0	0	0	0	0	0
CHAPARMUKH	32.3	-1.4	[illegible]	[illegible]	17.8	-3.1	[illegible]	[illegible]	0.0	127.4	..	..	..	..	..	6.4	5.0	..	..	..	0	0	5	0	0	0	0	0
GOALPARA	30.9	-2.1	35.1	13	17.8	-2.6	12.4	08	46.9	169.4	- 8.5	42.4	19	9	+ 1.2	6.1	4.7	-0.1	0	10	0	0	0	0	0	0	0	0
GAUHATI (BHORJOR)	30.4	-1.5	34.6	05	17.8	-2.3	11.5	08	26.9	154.4	+ 33.4	71.0	19	6	- 2.4	9.5	6.0	..	0	10	0	0	11	1	0	0	3	0
DHUBRI (RUPSI)	31.2	-3.0	35.3	10	18.6	-2.6	12.9	07	11.9	145.1	+ 16.4	65.2	19	7	+ 2.3	13.5	10.6	+4.1	0	10	0	0	10	0	1	0	0	0
DHUBRI	30.5	-1.1	35.2	05	19.0	-2.5	14.9	08	7.6	88.6	- 73.5	36.4	19	7	- 2.0	12.1	9.2	+0.7	0	8	0	0	3	0	0	0	0	0
LUMDING	31.6	-1.4	36.8	06	17.5	-1.6	12.5	08	46.1	86.3	- 4.9	23.9	26	8	+ 0.4	5.8	3.9	..	0	8	0	0	0	0	0	0	0	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																												
TURA	30.6	-1.9	35.0	11	20.3	-1.8	16.3	19	99.5	215.8	+ 99.7	73.5	29	8	+ 3.5	6.0	5.5	-4.6	1	12	0	0	0	0	0	0	0	0
HAFLONG	30.1	+2.0	32.2	13	17.1	-1.6	13.0	19	119.8	230.0	+ 33.8	127.2	18	9	- 1.9	..	..	..	0	10	0	0	7	0	0	0	0	0
SILCHAR (KUMBHIRGRAM)	30.6	-2.2	35.0	09	19.1	-1.7	15.5	20	154.3	268.0	+ 46.9	91.4	17	12	+ 1.0	8.1	8.7	+0.7	0	14	0	1	14	0	0	0	0	0
SILCHAR	28.4	-3.1	33.5	12	..	..	..	..	91.6	219.0	-150.8	65.8	16	11	- 3.2	3.9	2.3	-0.4	0	13	0	0	13	0	0	0	0	0
IMPHAL (TULIHAL)	27.4	-2.0	31.4	15	12.8	-2.7	7.1	08	28.5	84.4	- 6.9	22.2	16	9	+ 1.0	11.6	6.9	-2.1	1	11	0	0	10	2	0	0	0	0
KAILASHAHAR	32.0	-2.5	35.9	13	19.3	-2.4	15.1	10	257.2	343.1	+218.0	94.4	17	11	+ 4.5	7.0	4.0	-0.5	0	12	0	1	14	0	0	0	2	0
AGARTALA	33.9	-1.2	38.2	13	19.8	-3.0	16.2	10	184.2	323.0	+201.7	62.8	30	10	+ 4.1	11.4	8.2	-2.7	0	13	0	3	14	2	0	0	4	0
SUB-HIMALAYAN WEST BENGAL																												
BAGHDOGRA	31.0	-2.2	34.4	05	17.7	-1.9	11.2	09	100.1	115.9	+ 55.9	91.7	29	5	+ 1.2	14.0	11.7	+2.7	0	6	0	0	10	0	0	0	0	0
JALPAIGURI	30.5	-1.1	34.0	04	19.5	-0.9	15.9	09	2.6	24.6	- 89.2	12.4	19	1	- 5.2	12.4	8.2	+0.3	0	9	0	0	2	0	0	0	0	0
COOCH BEHAR AERODROME	30.4	-2.2	33.9	13	18.1	-2.2	12.2	08	3.1	143.9	- 12.3	98.0	19	4	- 3.5	10.8	7.0	+0.1	1	5	0	2	11	0	0	0	0	0
BALURGHAT	33.7	..	37.4	15	19.5	..	14.2	08	5.4	108.7	..	41.2	21	5	..	6.1	5.6	..	0	6	0	1	12	0	0	0	0	0
MALDA	34.7	-1.3	38.9	13	20.9	-1.2	15.7	07	8.4	26.8	- 7.7	16.0	19	2	- 0.4	5.5	4.0	-4.0	0	4	0	0	6	1	0	0	0	0
GANGETIC WEST BENGAL																												
BERHAMPORE	36.1	-1.5	41.6	17	21.1	-2.0	17.3	07	2.0	107.1	+ 61.1	84.9	24	2	- 1.2	5.5	3.2	-1.7	0	3	0	0	2	0	0	0	0	0
SURI	36.0	-2.9	42.1	17	24.6	+0.6	20.4	20	..	58.8	+ 35.8	21.4	19	5	+ 3.9	..	8.8	-1.3	0	5	0	0	5	0	0	0	0	0
ASANSOL	37.1	-1.4	42.6	17	21.1	-2.7	16.5	08	39.4	70.8	+ 44.6	31.8	24	5	+ 2.9	13.1	8.0	-0.2	2	5	0	0	8	0	0	0	2	0
SHANTI NIKETAN	36.4	..	42.3	17	21.9	..	18.4	19	0.0	52.3	..	24.2	24	5	..	11.1	7.1	..	0	5	0	0	7	0	0	0	0	0
KRISHNANAGAR	37.1	-0.8	42.0	17	19.6	-3.8	15.5	20	15.6	71.3	+ 4.0	45.1	19	4	- 0.2	..	..	..	0	4	0	0	4	0	0	0	0	0
PURULIA	37.1	-1.9	42.0	18	22.6	-2.1	17.3	24	34.0	57.0	+ 33.6	34.8	24	3	+ 0.5	10.1	7.1	+1.6	0	4	0	0	6	0	0	0	0	0
BANKURA	38.1	..	43.1	17	19.7	..	16.1	21	29.4	30.4	- 4.7	18.4	24	2	- 0.8	2.0	2.1	..	0	3	0	0	0	0	0	0	0	0
BURDWAN	37.2	-0.3	41.5	19	22.3	-2.0	19.2	19	19.0	41.0	- 14.6	13.0	19	4	+ 0.5	..	..	..	0	4	0	0	0	0	0	0	0	0
CALCUTTA (DUM DUM)	35.4	-0.6	40.0	15	22.8	-1.5	19.2	19	61.2	90.8	+ 46.7	24.4	[illegible]	5	+ 2.2	11.6	9.1	-3.9	0	7	0	0	8	0	0	0	3	0
CALCUTTA	35.7	-0.6	40.0	14	23.6	-1.4	19.6	24	40.5	50.5	0.0	16.8	[illegible]	4	+ 0.7	9.5	7.8	+0.4	0	6	0	0	9	0	0	0	7	0
MIDNAPORE	36.6	-1.8	43.6	17	23.3	-1.3	19.5	21	25.8	84.7	+ 33.1	36.0	[illegible]	4	+ 0.6	7.0	6.2	-1.4	1	7	0	0	4	0	1	0	0	0
CONTAI	34.5	+0.6	38.9	04	22.2	-3.7	17.0	27	26.0	42.2	+ 16.5	26.0	27	3	+ 1.1	15.7	11.9	-3.8	0	3	0	0	0	0	0	0	0	0
SAGAR ISLAND	31.4	+0.1	35.7	04	25.6	-0.9	20.3	[illegible]	63.2	107.8	+ 65.4	63.8	27	4	+ 1.5	24.5	23.7	-3.7	0	5	0	0	7	0	0	0	1	0
SANDHEADS	31.5	..	36.0	04	26.3	..	22.7	21	0.0	36.5	+ 19.7	16.2	28	4	+ 2.7	..	..	..	0	4	0	0	4	0	0	0	0	0
ORISSA																												
BARIPADA	38.0	-1.7	43.4	18	22.7	-1.5	19.4	11	59.0	89.5	+ 57.5	44.9	28	5	+ 2.2	5.5	3.8	+0.1	0	5	0	2	10	0	0	0	0	0
JHARSUGUDA	39.6	-0.5	43.0	17	23.6	-0.6	20.5	11	3.2	14.8	+ 5.0	8.4	24	3	+ 1.8	10.6	7.5	-0.3	0	3	0	0	7	0	0	0	3	0
KEONJHARGARH	35.9	-1.4	39.9	19	17.5	-5.8	10.4	04	41.2	56.2	+ 19.3	36.4	24	3	- 0.4	8.6	6.7	-0.2	2	4	0	0	0	0	0	0	0	0
BALASORE	35.6	-0.6	41.0	18	21.5	-3.3	18.0	24	35.8	78.4	+ 28.1	31.8	20	5	+ 1.2	12.4	10.5	-1.3	0	5	0	0	1	0	0	0	0	0
SAMBALPUR	38.2	-1.4	46.6	17	21.0	-2.8	18.0	17	0.0	8.0	- 7.0	8.0	25	1	- 0.5	3.4	2.7	-2.6	0	1	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.3 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	21	22	23	24	25	26	27	28
ORISSA(CONTD.)																												
ANGUL	38.7	-0.2	42.6	03	20.9	-4.0	15.8	24	0.0	27.0	- 1.7	14.4	24	3	+ 0.7	7.8	6.6	-1.4	0	3	0	0	3	0	0	0	0	0
CHANDBALI	35.3	-1.1	38.9	19	22.8	-2.2	20.5	27	0.0	45.2	- 5.3	18.0	22	3	- 0.4	13.8	10.7	-3.8	0	3	0	0	1	0	0	0	0	0
BOLANGIR	39.6	-0.4	43.5	19	26.6	+0.8	20.2	06	0.0	48.6	+ 26.4	44.2	25	2	+ 0.4	8.6	7.4	0.0	0	2	0	0	0	0	0	0	0	0
PHULBANI	37.0	..	40.5	19	19.8	..	14.2	11	1.2	13.1	..	11.8	25	1	..	7.4	3.7	..	1	2	0	0	2	0	0	0	0	0
CUTTACK	37.9	-0.4	42.3	15	24.3	-1.0	20.0	21	5.8	102.3	+ 71.6	46.6	24	5	+ 2.9	9.2	7.7	0.0	0	5	0	0	4	0	0	0	0	0
TITLAGARH	39.5	+0.2	42.6	19	23.4	-1.9	18.8	14	0.0	23.7	+ 11.1	19.1	25	2	+ 0.7	6.2	4.6	+0.5	0	5	0	0	7	0	0	0	0	0
BHUBANESWAR	36.9	-1.1	39.9	03	23.9	-1.8	19.7	24	19.4	38.6	+ 26.2	19.9	07	2	+ 0.9	19.4	19.3	-5.4	0	5	0	0	5	0	0	0	0	0
PURI	31.9	+1.2	38.1	04	27.9	+1.3	22.8	02	0.0	32.0	+ 16.0	23.2	25	2	+ 0.8	20.4	21.0	3.0	1	2	0	0	0	0	0	0	0	0
GOPALPUR	31.5	+0.4	37.2	03	23.5	-1.6	18.5	25	0.6	37.6	+ 19.3	13.6	25	3	+ 1.4	20.8	18.1	-4.4	0	6	0	0	7	0	0	0	0	0
KORAPUT	33.3	-0.3	35.4	20	18.7	-2.0	..	..	0.0	5.2	..	..	..	..	..	..	..	..	.	..	0	0	3	0	0	0	0	0
BIHAR PLATEAU																												
DUMKA	35.9	-2.1	41.8	17	20.5	-2.2	16.6	08	48.2	59.2	+ 32.3	46.0	24	3	+ 0.8	6.4	3.9	-1.5	0	4	0	0	0	0	0	0	0	0
DALTONGANJ	36.6	-1.7	43.3	29	21.0	-0.2	..	..	0.0	5.8	+ 4.4	5.8	24	1	+ 0.1	..	..	..	0	1	0	0	3	0	0	0	0	0
HAZARIBAGH	34.0	-1.8	38.9	19	20.3	-1.1	14.0	24	30.6	37.8	+ 22.1	34.3	24	1	- 0.7	17.7	12.9	+3.1	0	4	0	1	5	1	0	1	1	0
DHANBAD	36.6	-1.0	41.8	18	22.7	-0.8	18.3	24	31.0	40.0	+ 21.2	20.6	24	4	+ 2.3	7.3	5.4	-3.7	0	4	0	0	2	0	0	0	0	0
RANCHI	35.2	-0.7	39.1	18	19.0	-2.1	14.7	25	3.0	13.0	- 8.8	13.0	24	1	- 1.1	9.8	6.5	+0.6	0	1	0	0	0	0	0	0	0	0
RANCHI AERODROME	34.5	-1.5	38.9	17	20.9	-1.4	16.1	24	10.8	48.0	+ 32.3	39.2	24	3	+ 1.7	15.6	12.0	+2.1	0	3	0	0	5	0	0	0	0	0
JAMSHEDPUR	37.8	-0.9	42.2	18	20.5	-3.2	16.5	11	40.1	47.5	+ 17.2	28.3	21	2	- 0.4	10.4	7.2	+0.9	0	3	0	0	4	0	1	0	3	0
JAMSHEDPUR P.B.O.	37.4	-2.2	42.0	18	22.6	-1.6	18.4	10	39.8	43.8	+ 31.3	22.6	21	3	+ 2.0	11.9	7.3	+1.6	0	4	0	1	7	1	0	0	2	0
CHAIBASA	38.3	-0.6	43.2	18	22.5	-1.6	18.9	18	26.7	26.7	0.0	17.7	01	2	- 0.2	5.9	3.6	-0.4	0	2	0	0	1	0	0	0	0	0
BIHAR PLAINS																												
MOTIHARI	34.6	-1.4	37.1	13	18.7	-1.2	11.9	07	0.0	14.2	- 8.9	11.2	24	2	+ 0.3	11.0	7.2	+1.8	0	2	0	0	2	0	0	0	0	0
FORBESGANJ	32.0	-4.9	35.7	13	18.6	-1.7	14.1	11	42.0	103.2	+ 87.1	42.4	29	3	+ 1.4	10.8	6.3	-3.3	0	5	0	0	7	0	0	0	0	0
DARBHANGA	34.2	-1.7	38.1	13	19.9	-1.4	14.0	08	4.0	24.0	+ 3.9	16.8	19	2	+ 0.6	6.5	5.6	-0.3	0	2	0	0	1	0	1	0	0	0
MUZAFFARPUR	34.8	..	38.2	13	20.3	..	12.7	08	2.4	36.6	+ 22.9	23.8	24	2	+ 0.8	..	..	..	0	3	0	0	3	0	0	0	0	0
CHAPRA	36.2	..	39.9	16	22.1	..	16.3	07	3.0	16.2	+ 4.9	9.4	24	3	+ 2.1	8.4	8.2	..	0	3	0	0	2	0	0	0	0	0
PURNEA	32.8	-3.2	36.9	14	18.4	-2.1	10.7	07	0.0	74.2	+ 40.2	55.8	19	2	- 0.1	6.7	4.8	-1.4	0	4	0	0	2	0	0	0	0	0
PATNA	36.0	-1.6	39.0	19	21.0	-2.3	16.0	07	2.6	33.3	+ 24.9	18.4	27	3	+ 2.2	12.7	11.2	+2.4	0	4	0	0	3	0	0	0	0	0
PATNA AERODROME	36.1	-2.3	39.5	16	20.8	-1.7	14.6	07	2.0	33.3	+ 26.9	16.5	24	2	+ 1.6	15.5	11.2	+2.8	0	4	0	0	3	0	0	0	3	0
ARRAH	..	..	..	..	..	..	..	..	..	17.6	+ 9.8	16.6	24	1	+ 0.3	..	..	..	0	2	..	..	..	..	..	.	..	.
BHAGALPUR	35.3	-2.6	39.3	13	22.1	-1.5	18.0	19	37.1	43.2	+ 34.5	25.7	24	3	+ 1.8	15.8	11.9	+1.5	1	4	0	0	5	0	0	0	0	0
SABAUR	35.1	-1.8	38.6	13	19.4	-1.8	11.7	07	39.2	49.8	+ 24.7	30.4	24	3	+ 1.1	16.0	10.8	+1.4	0	5	0	0	5	0	0	0	2	0
JAMUI(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DEHRI	37.1	-2.2	40.9	19	22.9	-1.3	16.8	07	0.0	5.0	- 2.1	5.0	24	1	+ 0.2	12.5	8.1	+0.7	0	1	0	0	0	0	0	0	0	0
GAYA	37.6	-1.4	42.0	17	22.5	-0.5	19.1	08	0.2	22.2	+ 18.4	22.0	24	1	+ 0.5	16.4	11.7	+1.3	1	1	0	0	3	0	0	0	2	0
UTTAR PRADESH EAST																												
KHERI(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BAHRAICH(M)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
NAUTANWA	34.8	-3.0	38.4	16	18.0	-1.9	9.6	07	6.4	43.0	+ 30.8	23.2	19	3	+ 2.4	..	..	..	0	3	0	0	1	0	0	0	0	0
HARDOI	37.0	-0.9	40.4	18	20.5	-0.1	13.7	07	0.0	0.0	- 1.0	0.0	..	0	- 0.2	17.9	11.4	+4.3	0	0	0	0	0	0	1	0	0	0
GONDA	36.5	-1.1	40.6	30	19.5	-1.5	13.7	07	2.8	7.4	- 4.5	4.6	27	2	+ 1.3	14.1	11.0	+3.6	0	2	0	0	2	0	0	0	0	0
LUCKNOW	36.4	-1.9	40.0	19	20.4	-1.4	15.0	07	0.0	0.0	- 9.1	0.0	..	0	- 0.7	..	..	..	0	0	0	0	0	0	0	0	0	0
LUCKNOW(AMAUSI)	37.1	-1.1	40.5	17	20.1	-0.4	12.3	07	0.0	6.4	+ 5.5	4.8	25	1	+ 0.9	19.8	13.5	+3.7	0	2	0	0	3	0	2	0	0	0
FAIZABAD	36.5	-0.6	40.2	17	19.5	-0.5	12.5	07	5.8	18.2	+ 15.0	9.6	27	2	+ 1.6	9.6	5.6	+0.8	0	2	0	0	3	0	0	0	0	0
GORAKHPUR	35.4	-2.0	39.1	30	20.9	-1.5	16.7	07	0.0	16.6	+ 6.2	14.4	24	1	+ 0.1	6.6	4.1	-2.3	0	3	0	0	0	0	0	0	0	0
KANPUR	37.5	-0.8	43.3	21	22.1	+0.1	14.3	07	0.0	1.6	- 4.5	1.6	24	0	- 0.7	23.2	17.0	+4.9	0	1	0	0	0	0	0	0	0	0
KANPUR(AERODROME)	37.5	..	41.4	23	21.5	..	13.3	07	0.0	1.5	..	1.5	24	0	..	..	..	..	0	1	0	0	4	0	1	0	0	0
SULTANPUR	38.0	-0.4	41.8	17	19.8	+2.6	16.3	08	0.0	0.0	- 3.3	0.0	..	0	- 0.2	10.2	7.9	+1.6	0	0	0	0	3	0	0	0	0	0
AZAMGARH	37.1	-2.0	40.9	17	20.1	-1.8	13.9	12	0.0	32.4	+ 29.5	30.0	24	1	+ 0.7	12.0	8.1	..	0	2	0	0	0	0	1	0	0	0
FATEHPUR	37.5	-1.1	41.7	23	21.0	-1.1	13.7	07	1.2	20.8	+ 13.8	19.6	24	1	+ 0.4	15.7	9.2	+3.5	0	2	0	0	2	0	0	0	0	0
BALLIA	36.1	-2.9	39.5	17	18.1	-3.8	13.2	07	0.0	32.2	+ 29.3	20.6	24	2	+ 1.8	11.6	7.7	+1.3	0	2	0	0	0	0	1	0	0	0
BANDA	38.6	-0.9	42.6	23	22.3	-0.5	15.2	07	0.0	0.0	- 1.5	0.0	..	0	- 0.3	4.3	0.0	-3.5	0	0	0	0	0	0	0	0	0	0
ALLAHABAD(BAMHRAULI)	38.1	-0.7	42.3	24	21.2	-1.3	13.9	07	0.0	6.8	+ 1.5	6.8	24	1	+ 0.4	10.8	6.8	-0.9	0	1	0	0	2	0	1	0	0	0
VARANASI(BABATPUR)	37.0	-1.8	40.9	18	21.5	-0.7	15.1	07	0.0	11.2	+ 10.1	11.2	24	1	+ 0.8	18.7	14.2	+1.6	0	1	0	0	1	0	4	0	0	0
VARANASI	37.8	-1.1	41.0	17	21.8	-0.6	15.0	07	0.0	3.8	- 2.0	3.8	24	1	+ 0.5	10.9	8.8	-0.6	0	1	0	0	0	0	2	0	0	0
UTTAR PRADESH WEST																												
MUKHIM	21.8	[illegible]	26.4	17	8.1	[illegible]	5.0	04	25.9	30.2	[illegible]	20.0	28	3	[illegible]	..	..	..	0	5	0	0	2	0	0	0	0	0
TEHRI	32.0	[illegible]	36.6	17	15.0	..	10.0	03	1.0	8.9	[illegible]	2.3	28	1	[illegible]	6.2	3.8	..	0	3	0	0	6	0	3	0	0	0
DEHRA DUN	30.5	-1.6	35.9	18	15.6	-1.[illegible]	9.3	08	0.0	5.4	- 1[illegible].2	3.8	[illegible]	1	- 0.[illegible]	5.3	3.9	-0.3	1	2	0	0	4	0	0	0	0	0
MANSIARI	18.[illegible]	..	23.1	18	8.8	..	3.3	09	..	56.4	..	16.1	22	6	..	..	..	..	0	1	..	..	..	..	..	.	..	.

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 to 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Glaze	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST (CONTD.)																												
ROORKEE	33.4	-1.8	39.4	18	16.8	-1.4	10.3	07	0.0	8.2	- 5.3	5.1	18	2	+ 0.8	12.4	8.3	+2.2	0	2	0	1	2	0	0	0	0	0
NAJIBABAD	33.7	-2.1	39.6	18	17.4	-0.7	9.2	07	0.0	1.8	- 9.8	1.8	27	0	- 0.9	13.0	9.3	+4.3	0	1	0	0	2	0	0	0	0	0
MEERUT	34.7	-1.4	39.0	23	17.9	-2.3	9.0	06	..	0.0	- 11.7	0.0	..	0	- 0.9	.	9.3	+1.6	0	0	0	0	0	0	0	0	0	0
BAREILLY	36.0	-1.0	39.7	18	20.9	-0.2	13.7	06	0.0	0.1	- 8.0	0.1	27	0	- 0.8	25.8	11.9	+5.4	1	0	0	0	3	0	0	0	0	0
ALIGARH	36.1	-1.0	40.3	18	19.0	-1.6	11.3	06	0.0	0.0	- 10.7	0.0	..	0	- 0.9	15.8	10.3	+2.1	0	0	0	0	2	0	0	0	0	0
MAINPURI	37.6	-0.7	42.0	23	18.7	-2.2	10.7	03	0.0	0.0	- 6.1	0.0	..	0	- 0.7	..	..	..	0	0	0	0	0	0	0	0	0	0
AGRA	37.2	-0.5	41.5	18	21.3	-0.3	14.6	06	0.0	0.0	- 6.6	0.0	..	0	- 0.7	..	..	..	0	0	0	0	0	0	0	0	0	0
AGRA AERODROME	38.0	..	42.3	18	19.2	..	12.2	06	0.0	2.8	..	2.8	27	1	..	..	..	..	0	1	0	0	3	0	1	0	0	0
ORAI	37.3	-1.6	42.0	23	21.8	0.0	16.2	07	0.0	3.7	+ 2.0	2.7	27	1	+ 0.8	..	..	..	0	2	0	0	0	0	1	0	0	0
JHANSI	38.2	-0.7	42.3	24	21.7	-1.6	14.5	07	0.0	0.0	- 3.1	0.0	..	0	- 0.4	6.2	6.0	+0.2	0	0	0	0	0	0	0	0	0	0
HARYANA(INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	32.9	-1.5	38.5	18	19.7	+0.4	13.7	06	0.0	5.0	- 5.4	5.0	27	1	+ 0.3	..	..	..	0	1	0	0	1	0	0	0	0	0
AMBALA	33.9	-2.3	38.6	25	18.4	-1.3	9.4	06	0.0	0.0	- 15.5	0.0	..	0	- 1.5	1.9	8.5	+1.3	0	0	0	0	0	0	0	0	0	0
AMBALA AERODROME	33.8	..	38.0	23	17.8	..	9.6	06	0.0	1.1	..	1.0	27	0	..	..	..	..	0	1	0	0	4	0	0	0	0	0
KARNAL	33.3	-2.4	38.2	18	18.5	-0.8	9.5	06	0.0	0.2	- 7.7	0.2	18	0	- 0.5	..	..	..	1	0	0	0	2	0	4	0	0	0
HISSAR	35.1	-1.9	40.4	26	18.9	-0.1	9.5	06	0.0	0.0	- 7.6	0.0	..	0	- 0.9	9.3	8.0	+0.6	0	0	0	0	0	0	1	0	0	0
NEW DELHI/SAFDARJUNG	34.6	-1.6	39.1	24	20.3	-0.7	11.3	06	0.0	0.6	- 9.1	0.6	28	0	- 0.9	19.7	13.0	+2.1	0	1	0	0	3	0	0	0	6	0
PALAM AERODROME	35.3	..	39.6	24	18.2	..	8.6	06	0.4	0.7	..	0.4	27	0	..	..	..	..	0	2	0	0	1	0	2	0	0	0
PUNJAB																												
PATHANKOT	31.9	-1.6	36.7	28	16.4	-1.5	6.7	06	0.0	5.0	- 14.0	5.0	27	1	- 0.8	..	..	..	0	1	0	0	4	0	0	0	0	0
AMRITSAR	32.6	-1.6	38.8	26	16.8	+0.6	7.9	06	0.0	2.5	- 5.2	2.0	27	0	- 1.0	..	..	..	0	2	0	0	3	0	0	0	0	0
ADAMPUR AERODROME	32.5	..	37.6	26	15.2	..	6.1	06	0.0	2.8	..	2.8	27	1	..	..	..	..	0	1	0	0	3	0	0	0	0	0
LUDHIANA	34.1	-1.9	38.8	26	18.0	-0.5	8.8	06	0.0	0.0	- 15.7	0.0	..	0	- 1.3	7.1	4.1	+0.1	0	0	0	0	0	0	0	0	0	0
FEROZEPUR	32.5	-2.3	39.0	26	17.1	-0.3	..	..	0.0	0.0	- 4.0	0.0	..	0	- 0.4	6.5	4.0	+0.7	0	0	0	0	1	0	0	0	0	0
HALWARA AERODROME	33.0	..	37.5	26	15.1	..	5.6	06	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	4	0	1	0	0	0
PATIALA	33.9	-2.1	39.9	18	18.7	-0.5	9.9	06	0.0	0.0	- 11.9	0.0	..	0	- 1.1	9.6	10.8	+1.2	0	0	0	0	3	0	0	0	0	0
BHATINDA	34.0	-1.2	39.6	28	17.9	-0.3	11.0	07	0.0	0.0	- 10.0	0.0	..	0	- 1.5	6.3	4.1	-1.6	0	0	0	0	0	0	0	0	0	0
HIMACHAL PRADESH																												
MANDI	29.8	-0.6	33.5	18	16.6	+3.4	10.1	06	0.6	0.9	- 36.6	0.9	27	0	- 4.0	..	..	..	0	1	0	0	0	0	0	0	0	0
BILASPUR	30.3	-2.4	35.9	18	14.0	-1.1	8.0	07	0.0	0.0	- 19.2	0.0	..	0	- 1.7	..	..	..	0	0	0	0	0	0	0	0	0	0
JAMMU AND KASHMIR																												
MISGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
GILGIT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
SKARDU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
DRAS	..	..	..	..	..	..	..	..	..	3.4	-103.5	0.8	02	0	- 8.3	..	..	..	1	5	..	..	..	..	..	..	..	.
SONAMARG	Functions only from May to October							..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
LEH	11.9	-0.5	19.7	27	- 2.9	-4.1	- 9.6	06	4.2	4.2	- 1.9	4.2	16	1	+ 0.2	10.1	8.2	+1.5	0	1	1	0	0	0	0	0	0	0
SRINAGAR	19.3	0.0	27.3	26	7.4	0.0	2.5	02	5.1	81.1	- 9.1	18.8	30	5	- 2.8	7.3	6.6	+1.3	1	12	0	0	4	0	0	0	0	0
SKINAGAR AERODROME	18.1	..	25.6	26	6.3	..	- 0.5	06	4.7	82.4	..	20.1	30	5	..	..	..	..	2	9	0	1	9	0	0	0	0	0
GULMARG	Functions only from June to September							..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
QAZIGUND	18.5	..	26.1	26	6.6	..	0.0	06	19.0	146.5	..	53.8	02	7	..	2.8	2.0	..	0	13	0	1	8	0	0	0	0	0
BANIHAL	20.9	..	27.1	26	7.9	..	2.6	09	25.5	161.7	..	47.8	02	8	..	..	..	..	0	11	0	0	6	0	0	0	0	0
JAMMU	32.0	-1.1	36.9	25	18.4	-2.1	11.0	06	0.0	26.6	- 5.7	10.4	02	3	+ 0.5	..	..	..	0	4	0	0	0	0	0	0	0	0
JAMMU AERODROME	31.4	..	37.0	23	18.6	..	10.4	06	1.5	20.2	..	7.6	01	3	..	..	..	..	0	4	0	0	6	0	2	0	0	0
GULMARG (RESEARCH INSTITUTE)	9.5	..	17.2	25	- 0.4	..	- 8.7	06	52.8	344.7	..	114.0	01	12	..	..	..	..	0	15	7	0	10	10	0	0	0	0
RAJASTHAN, WEST																												
GANGANAGAR	35.1	-1.2	40.6	25	19.1	+0.9	9.4	06	4.4	7.7	+ 4.0	4.4	28	2	+ 1.6	5.2	2.8	-4.0	0	2	0	0	1	0	0	0	0	0
ANUPGARH@	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
MAHAJAN	36.2	..	42.1	24	..	..	..	..	..	..	..	..	..	..	..	11.15	8.30	..	.	..	..	..	..	..	..	..	..	.
CHURU	35.5	-1.4	41.1	25	19.4	-0.2	9.8	06	1.2	2.2	- 0.5	1.2	28	0	- 0.3	11.8	7.9	-0.9	0	2	0	0	2	0	0	0	0	0
BIKANER	36.0	-1.6	41.8	25	20.4	-0.4	10.6	06	0.0	1.8	- 4.0	1.8	30	0	- 0.6	9.7	7.6	+0.3	0	1	0	0	3	0	0	0	0	0
NAGAUR	36.4	-0.4	42.3	25	20.1	-0.9	12.9	06	0.0	0.0	- 1.4	0.0	..	0	- 0.2	10.9	7.7	-0.7	0	0	0	0	1	0	1	0	0	0
PHALODI	36.5	-1.1	43.0	24	21.4	-0.4	14.0	06	0.0	0.0	- 3.6	..	..	0	- 0.3	17.5	13.6	-0.5	0	0	0	0	0	0	3	0	0	0
JAISALMER	36.3	-1.5	41.5	24	16.8	-4.6	11.0	03	0.0	0.0	- 1.2	0.0	..	0	- 0.1	16.1	11.9	-0.8	0	0	0	0	0	0	0	0	0	0
JODHPUR	37.2	-1.1	42.4	24	21.1	-1.3	14.6	03	0.0	0.0	- 3.3	0.0	..	0	- 0.5	10.3	8.7	-1.5	0	0	0	0	0	0	0	0	0	0
BARMER	38.7	-0.2	43.5	13	24.2	+0.1	17.0	03	0.0	0.0	- 3.3	0.0	..	0	- 0.3	5.1	5.4	-5.2	0	0	0	0	0	0	0	0	0	0
BHINPURA (JAWAI DAM)	35.9	-1.6	40.2	24	21.6	-2.1	13.3	05	0.0	0.0	- 2.3	0.0	..	0	- 0.1	6.4	6.1	-1.4	0	0	0	0	0	0	0	0	0	0
RAJASTHAN, EAST																												
PILANI	35.3	-1.5	42.0	21	18.6	-0.8	8.5	06	0.2	3.0	0.0	2.8	07	1	+ 0.6	12.8	9.1	-2.0	1	1	0	0	0	0	1	0	0	0
SIKAR	35.1	-1.3	40.8	25	18.4	-0.6	9.6	06	14.0	21.5	+ 18.7	14.3	28	2	+ 1.6	8.8	5.6	-2.4	0	2	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
RAJASTHAN, EAST (CONTD.)																												
ALWAR	36.2	-1.3	40.6	26	21.7	-1.7	13.7	07	5.6	5.6	+ 4.2	5.6	28	1	+ 0.8	8.0	5.3	..	0	1	0	0	0	0	0	0	0	0
JAIPUR(SANGANER)	35.0	-1.5	41.5	25	19.9	-1.1	12.4	06	0.0	2.4	- 2.7	2.4	29	0	- 0.5	..	..	..	0	1	0	0	3	0	2	0	0	0
DHOLPUR	37.9	-0.8	41.9	22	20.6	-0.9	14.4	08	0.0	0.0	- 3.0	0.0	..	0	- 0.7	11.3	6.3	-0.1	0	0	0	0	0	0	0	0	0	0
AJMER	35.3	-0.6	40.2	24	21.2	-0.7	13.0	07	0.0	5.8	+ 2.5	5.8	29	1	+ 0.6	12.2	8.5	+0.1	0	1	0	0	1	0	0	0	0	0
TONK	37.4	-0.6	41.7	24	22.3	+1.5	13.0	07	2.0	2.9	+ 0.6	2.0	25	0	- 0.6	9.8	7.8	0.0	0	3	0	0	3	0	0	0	0	0
BHILWARA	35.9	..	40.2	16	20.7	..	13.2	07	0.0	0.0	..	0.0	..	0	..	9.0	5.4	..	0	0	0	0	0	0	0	0	0	0
KOTA	37.8	-1.2	41.6	25	21.1	-3.3	14.7	07	0.0	0.0	- 4.6	0.0	..	0	- 0.4	8.4	5.3	+0.1	0	0	0	0	0	0	0	0	0	0
KOTA AERODROME	37.7	..	42.8	25	24.1	..	17.0	07	0.0	0.0	..	0.0	..	0	..	11.8	11.1	..	0	0	0	0	0	0	2	0	0	0
CHAMBAL (RAWAT BHATTA DAM)	36.9	-1.7	41.1	25	21.5	0.0	14.3	07	0.0	0.0	- 1.1	0.0	..	0	- 0.2	10.9	7.0	-0.9	0	0	0	0	0	0	0	0	0	0
UDAIPUR	34.6	-1.4	38.5	15	18.7	-1.5	11.2	07	0.0	0.0	- 2.8	0.0	..	0	- 0.2	5.8	2.5	-2.1	0	0	0	0	0	0	0	0	0	0
BANSWARA	39.1	..	42.6	25	22.3	..	16.9	10	0.0	0.0	..	0.0	..	0	..	9.4	9.1	..	0	0	0	0	0	0	0	0	0	0
JHALAWAR																												
MADHYA PRADESH, WEST																												
GWALIOR	37.6	-0.9	41.5	22	21.5	-0.8	13.0	07	0.1	10.6	+ 5.2	10.5	27	1	+ 0.4	14.2	8.2	+1.8	1	1	0	0	3	0	0	0	0	0
SHEOPUR	37.8	-1.0	41.8	25	21.3	0.0	13.6	07	0.0	0.0	- 1.6	0.0	..	0	- 0.2	11.8	8.3	+1.1	0	0	0	0	0	0	1	0	0	0
SHIVPURI	36.3	..	40.6	25	17.6	..	8.7	07	0.0	0.0	..	0.0	..	0	..	11.9	6.6	..	0	0	0	0	0	0	0	0	0	0
NOWGONG	37.9	-0.9	41.9	24	19.7	-0.8	11.4	07	0.0	1.0	- 3.8	1.0	26	0	- 0.5	7.2	3.9	-0.8	0	1	0	0	1	0	1	0	0	0
GUNA	37.8	-0.2	42.0	24	19.0	-1.3	11.3	07	0.0	0.0	- 4.6	0.0	..	0	- 0.3	14.3	8.9	+1.5	0	0	0	0	2	0	0	0	0	0
NIMACH	36.1	-1.1	40.4	24	21.7	-0.3	15.6	04	0.0	0.0	- 2.5	0.0	..	0	- 0.3	11.3	8.9	-0.4	0	0	0	0	0	0	0	0	0	0
RAJGARH	38.5	-0.9	42.1	25	21.0	-1.0	13.6	07	0.0	0.4	- 1.1	0.4	26	0	0.0	12.0	8.5	-0.6	0	1	0	0	0	0	0	0	0	0
SAGAR	39.5	+2.2	41.8	28	19.1	-4.2	14.2	07	0.0	0.0	- 6.1	0.0	..	0	- 0.6	9.3	11.2	+2.2	0	0	0	0	0	0	0	0	0	0
KATLAM	37.5	-0.2	41.5	16	20.3	-2.3	14.7	07	0.0	0.0	- 1.6	0.0	..	0	- 0.2	12.4	9.5	+1.2	0	0	0	0	0	0	0	0	0	0
BHOPAL(RAIKAGARH)	37.5	-0.3	41.0	24	20.6	-0.6	15.0	07	2.9	10.5	+ 6.9	10.5	27	1	+ 0.5	15.7	12.2	+3.6	0	1	0	0	1	0	0	0	2	0
UJJAIN	36.8	..	40.6	16	18.8	..	11.7	08	3.4	3.4	..	3.4	27	1	..	12.8	9.1	..	0	1	0	0	1	0	0	0	0	0
NARSINGHPUR	39.3	..	42.8	16	20.4	..	11.6	07	1.6	1.6	..	0.8	26	0	..	7.7	4.1	..	0	2	0	0	2	0	0	0	0	0
HOSHANGABAD	39.6	+0.3	43.5	14	22.5	-1.0	16.6	08	0.0	0.0	- 3.3	0.0	..	0	- 0.3	5.0	5.0	-0.2	0	0	0	0	2	0	0	0	0	0
INDORE	37.4	-0.3	41.3	16	19.7	-0.7	13.2	06	2.0	7.4	+ 4.1	4.5	26	1	+ 0.7	17.6	15.0	-0.5	1	3	0	0	4	0	0	0	0	0
RAJPUR(JHABUA)	38.1	-0.6	42.6	15	..	..	..	..	0.0	0.0	- 4.5	0.0	..	0	- 0.4	12.1	9.0	+0.9	0	0	0	0	0	0	0	0	0	0
CHHINDWARA	36.8	+0.4	40.3	17	21.2	-0.7	15.3	09	1.4	2.2	- 8.8	1.4	24	0	- 1.2	10.9	5.9	-0.6	1	2	0	0	2	0	0	0	0	0
SEONI	37.4	+0.1	41.4	17	21.8	+0.1	18.2	09	0.0	8.0	- 8.5	4.2	25	2	+ 0.3	7.6	5.6	-0.9	0	2	0	1	3	0	0	0	0	0
BETUL	37.1	+0.1	40.7	16	19.9	-1.2	14.7	08	0.0	0.0	- 8.6	0.0	..	0	- 0.9	7.0	4.1	-1.6	0	0	0	0	2	0	1	0	0	0
KHANDWA	38.7	-1.5	43.0	16	22.4	-1.5	15.0	08	0.0	2.6	+ 0.6	2.6	27	1	+ 0.7	12.7	9.6	0.0	0	1	0	0	1	0	0	0	0	0
MADHYA PRADESH, EAST																												
SATNA	38.0	-0.4	41.7	18	21.8	+0.1	15.1	08	0.0	0.0	- 10.4	0.0	..	0	- 0.8	10.4	6.9	+0.7	0	0	0	0	1	0	0	0	0	0
REWA	37.5	..	41.6	18	19.9	..	12.9	07	0.0	0.8	..	0.0	..	0	..	7.2	3.8	..	0	0	0	0	0	0	1	0	0	0
SIDHI	37.8	-0.9	41.5	18	20.5	-0.4	12.0	07	0.0	0.0	- 1.9	0.0	..	0	- 0.2	8.7	4.7	-1.1	0	0	0	0	0	0	0	0	0	0
UMARIA	37.8	-0.1	41.5	18	21.2	+0.1	14.6	09	0.0	0.0	- 11.1	0.0	..	0	- 0.9	8.8	5.8	+0.5	0	0	0	0	1	0	0	0	0	0
JABALPUR	38.3	-0.2	41.9	18	20.5	0.0	14.5	07	0.5	0.5	- 9.4	0.5	25	0	- 0.9	8.1	4.5	-1.0	0	1	0	0	2	0	0	0	0	0
AMBIKAPUR	35.9	-0.7	39.9	17	20.6	+0.3	15.4	07	3.8	19.4	+ 10.9	15.4	25	2	+ 1.0	13.2	9.2	+0.4	1	2	0	1	2	0	0	0	0	0
JASHPUR NAGAR	34.7	..	38.0	18	19.5	..	15.6	08	0.0	23.0	..	23.0	28	1	..	10.7	6.9	..	0	1	0	0	0	0	0	0	0	0
PENDRA	35.2	-0.8	39.4	17	22.2	-0.1	18.2	07	7.7	24.8	+ 3.2	18.9	25	2	+ 0.1	10.9	7.4	-0.1	0	3	0	0	6	0	0	0	0	0
MANDLA	37.7	-0.2	40.6	18	18.2	-0.9	12.6	09	0.0	0.0	- 13.9	0.0	..	0	- 1.8	7.6	4.2	+0.4	0	0	0	0	3	0	0	0	0	0
CHAMPA	39.4	-0.5	43.3	19	23.5	-1.4	19.6	09	0.0	2.6	- 7.2	2.6	26	1	- 0.4	9.6	7.0	+1.3	0	1	0	0	2	0	0	0	0	0
RAIGARH	39.7	-0.6	43.6	19	24.1	-1.3	20.2	10	0.0	0.0	- 7.5	0.0	..	0	- 0.7	7.6	5.7	+0.4	0	0	0	0	0	0	0	0	0	0
RAIPUR	39.0	-0.2	42.8	18	24.4	-0.7	20.7	10	0.0	9.9	- 5.6	7.6	26	1	- 0.7	9.4	7.7	-0.7	0	4	0	0	4	0	0	0	0	0
KANKER	38.0	+0.2	40.4	19	24.2	+0.4	21.3	30	0.0	20.2	- 4.4	17.2	30	2	- 0.2	7.9	7.2	+0.5	0	2	0	0	7	0	0	0	0	0
JAGDALPUR	36.9	0.0	39.7	20	22.6	+0.4	18.9	25	0.5	48.3	- 1.2	24.0	25	3	- 0.8	..	..	..	1	6	0	0	8	0	0	0	3	0
GUJARAT REGION(INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DEESA	37.9	-1.3	43.5	25	20.6	-1.0	16.9	09	0.0	0.0	- 0.8	0.0	..	0	- 0.1	12.1	8.0	..	0	0	0	0	0	0	0	0	0	0
RADHANPUR	37.6	-1.1	42.7	24	..	..	..	..	0.0	0.0	- 0.3	0.0	..	0	0.0	10.4	6.3	-0.7	0	0	0	0	0	0	0	0	0	0
IDAR	36.5	-2.2	42.1	15	23.8	+0.1	18.6	02	0.0	0.0	- 4.2	0.0	..	0	- 0.1	10.1	8.4	-0.1	0	0	0	0	0	0	0	0	0	0
AHMADABAD	39.0	-0.7	43.0	14	22.9	-0.1	17.4	07	0.0	0.0	- 1.8	0.0	..	0	- 0.2	9.2	6.3	-1.5	0	0	0	0	1	0	0	0	0	0
DHOLAD	38.0	-0.4	42.2	16	23.5	-0.5	17.5	07	0.0	2.0	- 1.5	0.0	..	0	- 0.1	..	..	..	0	0	0	0	0	0	0	0	0	0
VALLABH VIDYANAGAR	38.7	..	42.8	16	20.6	..	15.4	07	0.0	0.0	..	0.0	..	0	..	8.7	6.6	..	0	0	0	0	1	0	0	0	0	0
BARODA AERODROME	39.2	-0.5	43.9	15	22.3	-0.6	16.8	05	0.0	0.0	- 0.1	0.0	..	0	0.0	8.8	6.7	-0.6	0	0	0	0	0	0	0	0	0	0
BARODA	39.9	0.0	44.6	14	23.0	+1.3	18.1	07	0.0	0.0	- 4.4	0.0	..	0	- 0.1	7.0	5.1	0.0	0	0	0	0	1	0	0	0	0	0
BROACH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8.9	6.3	-1.8	..	..	0	0	0	0	0	0	0	0
SURAT	37.5	+0.2	43.8	15	21.1	-2.6	16.5	07	0.0	0.0	- 3.8	0.0	..	0	- 0.1	13.1	9.7	+2.1	0	0	0	0	0	0	0	0	0	0
SAURASHTRA AND KUTCH(INCLUDING DIU)																												
NALIYA	33.0	-1.3	37.8	10	19.3	-1.1	15.0	07	0.0	0.0	0.0	0.0	..	0	0.0	18.3	12.2	+0.1	0	0	0	0	2	1	0	0	0	0
BHUJ(RUDRAMATA)	36.7	-0.9	41.0	24	22.2	-0.5	16.6	03	0.0	0.0	- 0.8	0.0	..	0	- 0.1	16.8	13.2	+2.0	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – APRIL 1967.(CHAITRA 11 - VAISAKHA 10.1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
SURASHTRA AND KUTCH(INCLUDING DIU) (CONTD.)																												
KANDLA AERODROME	37.4	..	41.2	18	22.7	..	16.2	04	0.0	5.4	..	5.4	28	1	..	22.5	21.3	..	0	1	0	0	1	0	0	0	0	0
NEW KANDLA	34.2	-0.4	40.6	18	23.0	-0.3	17.3	04	0.0	2.0	+ 2.0	2.0	28	0	0.0	19.1	17.9	-0.3	0	1	0	0	1	0	0	0	0	0
MANDVI	31.4	-0.9	37.5	10	22.1	-0.2	18.0	04	0.0	0.0	0.0	0.0	..	0	0.0	24.6	20.4	-3.4	0	0	0	0	0	0	0	0	0	0
SURENDRANAGAR	38.4	-1.3	42.5	14	23.4	-0.1	18.1	04	0.0	0.0	- 3.8	0.0	..	0	- 0.3	13.5	13.0	-1.6	0	0	0	0	0	0	0	0	0	0
OKHA	29.4	..	31.7	27	24.1	..	21.7	04	0.0	0.0	..	0.0	..	0	..	20.4	20.5	..	0	0	0	0	0	0	0	0	0	0
JAMNAGAR AERODROME	34.3	-1.2	37.5	14	20.2	-1.2	15.6	09	0.0	0.0	- 0.5	0.0	..	0	0.0	..	..	..	0	0	0	0	0	0	0	0	0	0
DWARKA	29.6	-0.1	32.2	11	24.5	-0.2	22.1	05	0.0	0.0	- 0.5	0.0	..	0	0.0	16.6	15.6	-1.1	0	0	0	0	0	0	0	0	0	0
RAJKOT	37.5	-1.3	41.2	24	20.2	-1.1	14.1	04	0.6	0.6	- 0.4	0.6	29	0	- 0.1	24.9	21.6	+1.9	0	1	0	0	1	1	0	0	0	0
BHAVNAGAR AERODROME	37.6	0.0	42.0	14	22.5	-1.4	16.8	06	5.2	5.2	+ 5.2	5.2	27	1	+ 1.0	22.2	19.2	+7.9	0	1	0	0	1	0	0	0	0	0
PORBANDER AERODROME	33.3	+1.0	39.7	10	22.0	-1.3	17.5	03	0.0	0.0	- 0.4	0.0	..	0	0.0	20.3	15.0	..	0	0	0	0	0	0	0	0	0	0
KESHOD	37.9	0.0	42.6	15	20.2	-0.9	14.6	04	0.0	0.0	- 0.1	0.0	..	0	0.0	23.7	17.9	+0.7	0	0	0	0	0	0	0	0	0	0
MAHUVA	37.0	..	42.7	15	21.2	..	18.0	06	0.0	0.0	0.0	0.0	..	0	0.0	9.4	9.4	..	0	0	0	0	0	0	0	0	0	0
VERAVAL	33.1	+1.6	39.7	15	21.3	-0.7	16.2	05	0.0	0.0	- 2.8	0.0	..	0	0.0	25.1	19.6	+3.0	0	0	0	0	0	1	0	0	0	0
DIU	33.6	..	42.4	18	22.8	..	17.6	01	0.0	0.0	..	0.0	..	0	..	18.0	13.9	..	0	0	0	0	0	0	0	0	0	0
KONKAN(INCLUDING GOA)																												
DAHANU	32.4	+0.4	38.9	15	23.3	-0.6	20.0	06	..	..	..	..	..	..	..	17.6	12.9	-2.0	.	..	..	..	..	..	..	.	..	.
BOMBAY(SANTACRUZ)	34.2	+0.9	40.9	10	23.9	+0.1	20.0	08	0.0	0.0	- 0.3	0.0	..	0	0.0	16.5	10.2	-1.4	0	0	0	0	0	0	0	0	0	0
BOMBAY	32.5	+0.2	34.9	10	25.3	+0.2	23.1	08	0.0	0.0	- 1.5	0.0	..	0	- 0.1	14.7	11.4	+0.9	0	0	0	0	0	0	0	0	0	0
ALIBAG	32.0	+0.9	35.6	10	24.3	+0.1	20.8	09	0.0	0.0	- 2.5	0.0	..	0	- 0.3	.	12.2	+1.7	0	0	0	0	0	0	0	0	0	0
BHIRA	41.0	..	44.0	10	23.2	..	18.6	07	2.8	2.8	..	2.8	26	1	..	6.6	3.8	..	0	1	0	0	1	0	0	0	0	0
HARNAI	30.2	+0.4	31.4	25	26.0	0.0	24.1	08	0.0	0.0	- 10.2	0.0	..	0	- 0.6	22.9	18.9	+1.7	0	0	0	0	0	0	0	1	0	0
RATNAGIRI	32.3	+0.2	33.7	27	25.4	-0.2	20.8	09	0.0	2.0	- 1.6	2.0	23	0	- 0.3	16.1	10.7	..	0	1	0	0	0	0	0	0	0	0
DEVGARH	32.0	+0.2	34.4	21	25.3	-0.9	22.6	08	0.0	0.0	- 7.6	0.0	..	0	- 0.8	20.8	16.8	+0.4	0	0	0	0	2	0	0	0	0	0
VENGURLA	33.0	+0.4	34.6	05	24.6	-0.1	21.4	08	32.2	6.4	- 2.3	6.4	29	1	+ 0.2	13.6	7.8	..	0	1	0	0	6	0	0	0	0	0
PANJIM	33.5	..	34.7	05	25.8	..	23.3	08	0.0	1.4	..	1.4	04	0	..	14.4	9.7	..	0	1	0	0	4	0	0	0	0	0
MORMUGAO	31.8	+0.9	32.7	19	26.5	+0.4	24.3	08	0.0	4.9	- 12.8	3.3	29	1	+ 0.1	15.7	13.4	0.0	0	2	0	0	2	0	0	0	0	0
DABOLIM(NAVAL AIR STN.)	32.5	..	34.8	05	26.4	..	23.6	01	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	2	0	0	0	0	0
MADHYA MAHARASHTRA																												
NANDURBAR	39.9	-0.3	43.8	15	25.0	-0.3	22.1	08	0.0	0.5	- 5.6	0.5	02	0	- 0.3	10.2	9.4	+0.3	0	1	0	0	0	0	0	0	0	0
JALGAON	41.3	+0.2	45.2	16	22.9	-1.2	15.9	07	0.0	1.2	- 0.9	0.6	25	0	- 0.2	17.1	14.0	+0.8	0	2	0	0	0	0	0	0	0	0
MALEGAON	38.7	-0.7	42.3	16	20.2	-1.6	15.0	07	0.0	0.0	- 3.3	0.0	..	0	- 0.4	12.5	10.0	+1.1	0	0	0	0	0	0	0	0	0	0
DZAR	37.5	..	40.8	15	18.4	..	13.1	08	0.0	4.2	..	4.2	25	1	..	17.0	14.2	..	0	1	0	0	4	0	0	0	0	0
AHMADNAGAR	39.5	+1.5	42.4	14	21.7	-0.1	17.4	26	0.0	2.0	+ 8.7	2.0	26	0	- 1.0	18.9	8.5	+0.2	0	1	0	0	0	0	0	0	0	0
KHANDALA	..	..	..	..	..	..	..	..	0.0	0.0	+ 4.6	0.0	..	0	- 0.4	..	..	..	.	..	..	..	..	..	..	.	..	.
POONA AERODROME	38.9	..	41.6	14	21.2	..	17.0	21	25.3	25.8	..	17.2	26	2	..	..	..	..	0	3	0	1	4	0	0	0	0	0
POONA	38.3	+1.4	41.6	14	20.1	+0.4	14.3	08	32.6	36.3	+ 22.1	26.5	26	3	+ 1.7	9.0	6.7	..	0	3	0	0	4	0	0	0	2	0
JEUR	38.4	-0.5	40.5	17	23.1	+0.3	17.9	08	0.0	0.0	- 15.5	0.0	..	0	- 1.5	11.0	9.6	0.0	0	0	0	0	2	0	0	0	0	0
BARAMATI	39.0	+0.2	42.0	15	21.8	-0.5	17.2	08	1.0	24.0	+ 16.8	17.0	03	2	+ 1.4	10.5	9.4	-1.0	0	3	0	0	1	0	0	0	0	0
SHOLAPUR	39.6	+0.3	42.4	18	24.4	-0.1	21.4	26	0.0	3.3	- 9.9	2.0	30	0	- 1.2	10.8	9.1	-0.6	0	3	0	0	3	0	0	0	0	0
MIRAJ	37.6	-0.3	40.2	19	21.5	-0.1	17.3	08	0.0	20.8	- 11.2	16.8	25	2	- 0.3	..	..	..	0	2	0	0	11	0	0	0	0	0
KOLHAPUR	37.7	+0.6	39.5	15	21.6	+0.1	18.2	08	28.6	34.5	+ 1.2	23.2	25	2	- 0.8	11.4	10.5	-1.4	0	2	0	0	7	0	0	0	0	0
[illegible]	32.3	..	35.6	18	20.6	..	16.6	26	0.0	9.4	..	6.5	26	2	..	10.6	9.3	..	0	2	0	0	2	0	0	0	0	0
MARATHWADA																												
AURANGABAD	38.5	+0.2	42.0	16	23.4	-0.4	19.8	26	0.0	0.8	- 5.0	0.6	11	0	- 0.6	12.3	12.1	-0.6	1	1	0	0	0	0	0	0	0	0
AURANGABAD(CHIKALTHAN)	38.2	-0.1	41.6	16	21.3	-0.9	14.4	07	0.0	0.3	- 4.8	0.3	26	0	- 0.6	14.6	11.8	-0.1	0	1	0	0	1	0	0	0	0	0
PARBHANI	40.5	+0.8	43.0	17	23.5	-0.7	18.4	18	3.4	5.2	- 4.5	5.2	26	1	- 0.2	10.2	7.3	-1.6	0	1	0	0	0	0	0	0	0	0
NANDER	41.1	..	43.4	17	22.7	..	19.0	20	0.0	0.0	..	0.0	..	0	..	5.9	5.7	..	0	0	0	0	0	0	0	0	0	0
BIR	39.7	..	42.1	15	22.7	..	15.0	08	0.2	7.0	..	6.8	27	1	..	8.7	5.8	..	0	2	0	0	0	0	0	0	0	0
VIDARBHA																												
GONDIA	39.4	+0.4	42.7	19	23.8	-0.8	19.8	10	0.0	3.6	- 8.9	2.4	12	0	- 1.4	4.3	3.2	-1.5	0	2	0	0	3	0	0	0	0	0
NAGPUR(SONEGAON)	39.5	-0.2	43.2	17	22.8	-1.1	16.8	07	2.4	1.5	- 14.8	1.5	24	0	- 1.5	12.8	10.3	+0.5	0	1	0	0	4	0	0	0	4	0
AMRAOTI	40.2	+0.5	43.5	16	24.7	-0.5	19.2	04	8.4	9.2	+ 0.8	8.0	26	1	+ 0.3	13.9	10.7	+0.9	0	3	0	0	4	0	0	0	0	0
AKOLA AERODROME	40.6	..	43.9	17	20.1	..	14.7	09	0.0	2.2	..	2.2	26	0	..	13.1	10.5	..	0	1	0	0	0	0	0	0	0	0
AKOLA	40.4	-0.1	43.6	16	23.3	-1.3	17.6	08	0.0	0.7	- 3.4	0.7	26	0	- 0.4	8.4	4.6	-3.6	0	1	0	0	0	0	0	0	0	0
BRAHMAPURI	39.5	0.0	43.0	18	22.7	-1.3	18.9	07	0.0	23.9	+ 5.5	23.9	26	1	- 0.9	9.0	6.1	-0.4	0	1	0	0	1	0	0	0	0	0
BULDANA	37.2	+0.2	40.7	16	24.6	-0.3	20.9	07	0.0	0.0	- 8.9	0.0	..	0	- 0.9	10.5	10.1	-0.6	0	0	0	0	0	0	0	0	0	0
YEOTMAL	40.0	+0.7	43.2	18	25.0	-0.1	22.0	06	5.0	21.6	+ 5.4	10.4	30	3	+ 1.6	13.5	11.8	+0.3	0	3	0	1	5	0	2	1	0	0
CHANDRAPUR	39.2	-0.8	42.6	17	24.7	0.0	21.4	06	0.3	7.0	- 12.6	3.7	24	2	+ 0.3	7.5	5.6	+0.4	0	3	0	0	7	0	0	0	0	0
PUSAD	40.5	..	43.0	16	23.7	..	19.6	07	0.0	0.0	..	0.0	..	0	..	5.3	5.2	..	0	0	0	0	0	0	0	0	0	0
SIRONCHA	39.7	-0.2	42.1	19	25.1	-1.6	22.6	27	0.0	13.8	- 3.0	8.0	07	2	+ 0.7	7.4	5.6	-0.8	0	3	0	0	4	0	0	0	0	0

TABLE II – SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – APRIL 1967.(CHAITRA 11 – VAISAKHA 10,1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena – No. of days with: Precipitation 0.1 & 0.3 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	21	22	23	24	25	26	27	28
VIDARBHA (CONTD.)																												
WARDHA	40.7	..	44.2	17	24.3	..	19.8	07	0.0	10.4	..	10.4	30	1	..	10.0	7.9	..	0	1	0	0	0	0	0	0	0	0
BHANDARA	39.3	..	42.8	17	22.7	..	..	..	0.0	13.4	..	13.4	24	1	..	3.7	3.0	..	0	1	..	..	..	..	..	..	..	..
COASTAL ANDHRA PRADESH																												
KALINGAPATAM	33.9	+0.8	39.1	04	24.5	-1.2	21.9	12	0.0	5.0	- 15.6	4.2	21	1	- 0.5	17.5	5.0	-0.1	1	2	0	0	5	5	0	0	0	0
VISHAKHAPATNAM	35.3	+2.5	37.7	07	25.6	-0.3	22.2	21	0.2	0.7	- 17.8	0.3	21	0	- 1.3	21.5	12.9	-1.8	1	0	0	0	3	0	0	0	0	0
KAKINADA	35.2	-0.1	38.2	04	25.3	-0.5	20.2	21	0.8	38.6	+ 18.3	33.4	21	2	+ 0.6	10.0	8.1	-1.0	1	4	0	0	0	0	0	0	0	0
NIDADAVOLE	35.9	0.0	39.7	28	24.3	-0.9	19.7	22	10.2	20.1	+ 15.7	10.2	28	3	+ 2.4	7.7	4.8	-1.4	0	3	0	0	0	0	0	0	0	0
RENTACHINTALA	38.3	-1.3	42.0	19	26.4	+0.3	22.0	19	0.0	3.0	- 20.1	3.0	21	1	- 0.8	6.9	7.9	-0.9	0	1	0	0	0	0	0	0	0	0
GANNAVARAM	36.1	-1.7	39.8	28	24.7	-0.9	20.8	21	0.0	5.2	- 9.6	3.8	21	1	+ 0.3	15.0	10.1	-2.4	0	2	0	0	3	3	0	0	0	0
MASULIPATAM	33.5	-0.5	36.3	02	24.7	-1.2	19.5	21	0.0	26.8	+ 8.3	26.8	21	1	- 0.1	4.6	3.1	-8.3	0	1	0	0	2	0	0	0	0	0
ONGOLE	36.2	+1.8	39.7	28	25.7	-0.3	23.9	11	0.0	0.0	- 5.1	0.0	..	0	- 0.6	11.8	8.0	-1.8	0	0	0	0	0	0	0	0	0	0
NELLORE	37.1	0.0	40.3	28	25.3	-0.4	23.8	10	0.0	0.0	- 9.7	0.0	..	0	- 0.6	11.8	10.4	+0.4	0	0	0	0	2	0	0	0	0	0
TELANGANA																												
RAMGUNDAM	40.0	-0.3	43.0	18	25.8	-1.1	23.4	27	0.0	3.2	- 6.7	2.0	29	0	- 0.7	8.2	6.8	-1.1	0	2	0	0	1	0	0	0	0	0
NIZAMABAD	39.9	+0.7	43.1	19	24.9	+0.1	22.0	03	0.0	0.0	- 20.8	0.0	..	0	- 1.8	9.1	6.0	+0.6	0	0	0	0	0	0	0	0	0	0
HANAMKONDA	37.8	-0.5	41.2	18	24.4	-0.9	21.9	09	0.0	8.4	- 14.7	5.4	25	2	+ 0.4	9.2	9.3	-1.6	0	2	0	0	4	0	0	0	0	0
HAKIMPET AERODROME	37.2	..	39.0	23	23.7	..	20.0	01	4.5	5.4	..	1.6	18	0	..	..	..	..	0	6	0	0	7	0	0	0	0	0
BHADRACHALLAM	38.3	-1.0	40.6	20	25.5	-0.2	21.7	21	4.0	32.3	+ 9.4	15.3	04	3	+ 1.4	..	..	..	0	3	0	0	0	0	0	0	0	0
HYDERABAD(BEGAMPET)	38.1	+1.2	40.2	20	23.7	0.0	21.0	10	0.0	1.4	- 26.0	1.4	08	0	- 1.9	11.1	7.8	-3.1	0	1	0	0	4	0	0	0	5	0
KHAMMAM	38.5	-0.5	41.2	19	25.5	-0.4	21.8	24	25.5	25.5	- 1.8	25.5	24	1	- 0.7	..	..	..	0	1	0	0	2	0	0	0	0	0
MAHBUBNAGAR	37.3	-0.2	41.4	19	24.7	+0.2	21.5	30	0.0	35.0	+ 10.5	20.4	30	3	+ 0.9	8.4	5.2	-3.3	0	3	0	0	3	0	0	0	0	0
RAYALASEEMA																												
KURNOOL	40.0	+0.7	42.4	19	25.5	-0.5	20.8	29	12.0	19.6	+ 5.4	7.4	22	4	+ 2.7	7.4	6.9	-1.8	0	5	0	0	0	0	0	0	0	0
NANDYL	39.9	..	43.0	20	25.2	..	22.1	10	0.0	0.0	..	0.0	..	0	..	9.1	8.0	..	0	0	0	0	1	0	1	0	0	0
ANANTAPUR	39.0	+0.6	40.7	21	25.8	+0.1	22.8	02	0.0	10.6	- 4.4	10.2	26	1	- 0.2	9.3	10.2	0.0	0	1	0	0	7	0	0	0	0	0
CUDDAPAH	40.0	+0.2	42.0	19	27.0	-0.4	23.6	11	0.0	0.0	- 12.9	0.0	..	0	- 1.0	8.8	7.3	-2.7	0	0	0	0	0	0	0	0	0	0
AROGYAVARAM	34.9	+0.2	36.8	20	19.7	-2.3	17.6	10	0.0	0.0	- 27.1	0.0	..	0	- 1.9	9.1	7.6	-0.5	0	0	0	0	0	0	0	0	0	0
MADRAS STATE(INCLUDING PONDICHERRY)																												
MADRAS	34.1	+0.8	38.0	21	25.5	-0.3	23.3	10	0.5	0.5	- 22.0	0.5	22	0	- 0.8	12.6	8.0	-0.3	0	1	0	0	1	1	0	0	0	0
MADRAS(MINAMBAKKAM)	35.7	+0.8	39.3	03	25.6	-0.4	23.0	22	0.9	0.9	- 16.6	0.9	22	0	- 1.0	17.1	12.1	+1.6	0	1	0	0	1	1	0	0	0	0
VELLORE	36.7	-0.1	39.0	19	23.7	-1.3	21.9	11	0.0	0.0	- 23.4	0.0	..	0	- 1.4	9.6	7.4	-0.9	0	0	0	0	2	0	0	0	0	0
TAMBARAM AERODROME	37.6	..	39.6	04	25.1	..	22.8	30	1.3	1.3	..	1.3	22	0	..	..	..	..	0	1	0	0	2	0	1	0	1	0
TIRUPPATTUR	35.5	-1.0	38.1	30	21.5	-1.6	18.2	09	0.0	19.5	- 13.3	19.5	28	1	- 2.0	5.1	4.2	-0.1	0	1	0	0	0	0	0	0	0	0
METTUR DAM R.S.	37.3	..	39.0	20	23.4	..	20.8	22	0.0	0.0	..	0.0	..	0	..	9.1	8.5	..	0	0	0	0	0	0	0	0	0	0
CUDDALORE	33.2	+0.4	35.9	19	25.0	-0.7	23.0	22	15.4	15.4	- 8.5	15.4	22	1	0.0	..	..	..	0	1	0	0	0	0	0	0	0	0
KALLAKKURICHCHI	37.8	+0.9	39.7	04	24.7	-0.7	22.7	06	0.0	0.0	- 29.7	0.0	..	0	- 2.1	6.3	4.7	..	0	0	0	0	0	0	0	0	0	0
SALEM	37.0	+0.1	38.8	20	24.9	-0.2	22.8	10	0.0	8.4	- 44.2	8.4	28	1	- 2.7	9.0	8.6	+0.3	0	1	0	0	5	0	0	0	0	0
COIMBATORE(PILAMEDU)	36.2	+0.9	38.2	04	23.2	-0.2	21.2	21	4.2	32.0	- 31.1	21.9	21	3	- 1.1	10.4	10.9	-3.8	0	3	0	0	6	1	0	0	0	0
COIMBATORE	36.5	+1.9	38.4	19	23.2	-0.2	20.6	26	..	50.8	+ 7.6	34.8	26	3	- 0.5	.	6.0	-1.0	0	3	0	0	6	0	0	0	0	0
NAGAPATTINAM	33.0	+0.5	37.3	21	26.7	-0.1	23.9	22	7.2	7.2	- 25.6	7.2	22	1	- 0.5	15.3	12.5	-0.6	0	1	0	0	1	0	1	0	0	0
TIRUCHCHIRAPPALLI	37.6	+0.9	39.0	04	25.3	-0.5	23.0	06	0.0	0.1	- 43.6	0.1	20	0	- 2.3	7.9	7.4	-2.3	1	0	0	0	1	0	1	1	0	0
VEDARANNIYAM	35.3	..	36.8	04	26.3	..	21.7	22	27.3	26.5	..	26.5	22	1	..	6.9	5.0	..	0	1	0	0	1	0	0	0	0	0
ATIRAMPATTINAM	33.5	..	34.6	22	26.2	..	23.6	24	1.2	11.8	..	9.2	24	2	..	16.8	12.7	..	0	2	0	0	2	0	0	0	0	0
MADURAI	36.4	+0.1	38.0	19	25.4	0.0	23.6	25	..	9.4	- 49.3	8.6	20	1	- 2.4	.	6.6	+1.5	0	2	0	0	1	0	0	0	0	0
MADURAI AERODROME	36.6	+0.9	37.9	20	24.5	-0.5	22.7	04	0.1	0.5	- 57.5	0.2	22	0	- 2.8	7.7	6.4	-2.0	3	0	0	0	4	0	0	0	0	0
TONDI	32.4	+0.4	33.5	29	26.4	-0.3	23.2	25	0.0	38.2	+ 5.7	19.4	25	2	- 1.0	17.0	15.8	-0.3	0	3	0	0	4	0	0	0	0	0
PAMBAN	32.6	+0.4	33.5	29	27.2	+0.5	25.0	25	0.0	10.7	- 33.8	5.8	25	2	- 0.9	22.3	20.2	+8.1	0	4	0	0	0	0	0	0	0	0
TUTICORIN	32.7	+0.8	35.0	21	25.1	-1.4	23.4	28	0.0	6.6	- 58.8	6.6	23	1	- 2.8	18.0	13.6	0.0	0	1	0	0	0	0	0	0	0	0
PALAYANKOTTAI	37.7	+2.3	39.6	04	25.2	-0.7	22.3	22	39.6	58.8	- 7.7	29.2	24	5	+ 1.3	9.2	7.0	-0.1	0	5	0	0	3	0	0	0	0	0
KANNIYAKUMARI	32.6	..	34.7	06	26.0	..	23.5	25	11.0	43.8	..	18.8	13	3	..	16.0	12.6	..	0	3	0	0	1	0	0	0	0	0
COASTAL MYSORE																												
KARWAR	32.6	+1.0	34.2	03	24.7	-0.6	22.4	08	0.0	0.0	- 16.8	0.0	..	0	- 1.0	8.3	5.8	..	0	0	0	0	0	0	0	0	0	0
HONAVAR	33.4	+1.0	34.5	05	25.0	-0.2	23.1	12	0.0	5.4	- 10.3	5.1	29	1	- 0.2	..	..	..	0	2	0	0	0	0	0	0	0	0
MANGALORE(NAJPE)	34.3	+0.6	37.2	13	25.1	+0.2	22.7	23	0.0	4.6	- 27.6	3.3	23	1	- 1.1	11.8	7.5	-0.7	0	2	0	0	5	0	0	0	0	0
MANGALORE	32.7	+0.3	33.2	13	26.2	+0.1	24.4	28	0.0	4.6	- 30.7	4.6	23	1	- 1.1	12.5	9.4	+0.5	0	1	0	0	0	0	0	0	0	0
INTERIOR MYSORE NORTH																												
BIDAR	36.0	-0.9	40.0	19	23.5	-1.0	21.0	03	0.0	1.7	- 23.7	1.2	24	0	- 2.1	10.6	9.6	-1.6	0	2	0	0	0	0	0	0	0	0
GULBARGA	39.3	+0.2	41.4	22	24.4	-0.6	21.4	26	12.6	25.6	+ 6.5	9.0	09	4	+ 2.2	10.3	8.8	-2.9	0	4	0	0	4	0	0	0	0	0
BIJAPUR	38.2	+0.2	40.9	19	24.0	+0.2	20.1	29	30.4	89.4	+ 69.8	36.8	29	5	+ 3.3	7.5	6.8	-0.6	0	7	0	0	1	0	0	0	0	0
RAICHUR	39.7	+1.0	42.5	18	26.1	-0.1	21.6	26	0.0	17.2	+ 2.2	8.8	26	2	+ 0.7	10.6	10.6	+0.3	0	3	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation: 0.1 & 0.2 mm.	0.3 mm. or more	Dew or dust	Mist	Thunder heard	Fog	Duststorm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	21	22	23	24	25	26	27	28
INTERIOR MYSORE NORTH (CONTD.)																												
BELGAUM	37.0	+1.3	39.0	18	20.4	+0.9	17.6	08	23.6	32.6	- 10.6	13.4	26	4	+ 0.9	7.7	5.3	-3.2	0	5	0	0	0	0	0	0	0	0
BELGAUM(SAMRA)	35.5	+0.3	37.8	19	20.8	+0.5	18.0	07	8.4	38.8	- 13.1	25.2	29	3	- 0.5	9.9	9.0	-4.7	0	5	0	0	14	0	0	0	0	0
GADAG	37.2	-0.1	39.0	18	22.0	-0.5	19.5	03	35.6	127.2	+ 96.5	28.4	26	6	+ 3.3	7.5	8.3	-1.8	1	7	0	1	8	0	0	0	0	0
INTERIOR MYSORE, SOUTH																												
BELLARY	39.9	+1.8	42.0	17	25.6	+0.1	22.0	26	6.0	20.0	- 0.8	6.0	30	5	+ 3.2	7.5	6.7	-0.2	0	5	0	0	0	0	0	0	0	0
CHITRADURGA	36.5	+0.2	38.2	07	23.2	+0.5	21.3	29	4.2	24.2	+ 3.1	17.4	29	3	+ 1.1	7.2	6.7	-1.0	0	3	0	0	2	0	0	0	0	0
SHIMOGA	36.7	+1.0	38.6	15	19.9	-2.3	18.2	28	4.2	59.0	+ 6.0	28.2	25	5	+ 1.1	4.5	3.3	-2.0	0	6	0	0	9	0	0	0	0	0
AGUMBE	31.4	..	34.8	13	19.5	..	16.6	14	..	9.0	..	6.0	24	1	..	.	3.3	..	0	4	0	0	0	0	0	0	0	0
BALEHONNUR	33.1	+2.2	35.2	13	18.5	-0.5	16.1	26	..	199.4	+109.0	34.4	05	10	+ 3.7	..	..	..	0	10	0	2	6	0	0	0	0	0
HASSAN	34.4	+1.2	36.7	21	19.7	-0.4	18.3	14	9.2	11.8	- 41.0	4.6	27	2	- 2.0	6.0	5.4	-2.8	0	4	0	0	4	0	0	0	0	0
BANGALORE	34.2	+0.8	37.3	17	20.9	-0.3	18.6	12	0.1	3.7	- 40.8	2.7	28	1	- 1.7	7.3	5.4	-3.6	0	2	0	0	5	0	0	0	0	0
BANGALORE AERODROME	33.7	-0.3	35.5	20	20.3	-1.0	18.9	17	0.0	6.4	- 29.4	6.2	27	1	- 1.3	..	..	..	1	1	0	0	4	0	0	0	0	0
MYSORE	33.9	-0.1	35.5	24	21.6	+0.2	19.1	12	0.0	31.2	- 32.3	29.0	09	1	- 3.6	11.3	8.4	0.0	0	3	0	0	0	0	0	0	0	0
KERALA																												
CALICUT	35.0	+2.1	37.2	14	26.3	+0.5	23.9	28	0.0	26.0	- 60.9	12.8	20	2	- 2.0	11.0	8.7	-3.9	0	4	0	0	5	0	0	0	0	0
PALGHAT	38.3	+2.3	41.2	05	25.7	+0.4	22.8	28	0.0	10.6	- 72.6	9.2	28	1	- 3.9	8.2	6.8	-2.5	1	5	0	0	7	0	0	0	0	0
FORT COCHIN	32.8	+1.4	34.3	13	25.6	-0.4	24.4	28	1.4	64.3	- 49.2	24.8	15	6	- 0.3	13.7	10.7	0.0	0	8	0	0	9	0	0	0	0	0
COCHIN(NAVAL AIR STATION)	33.3	..	35.0	13	25.6	..	22.9	20	0.0	50.3	..	14.2	17	6	..	14.1	10.1	..	0	7	0	0	18	0	0	0	2	0
ALLEPPEY	33.9	+1.2	34.8	17	26.1	+0.6	22.6	20	0.0	78.2	- 84.5	24.0	17	5	- 3.5	16.0	12.2	-0.1	0	9	0	0	18	0	0	0	0	0
PUNALUR	37.1	+2.0	38.8	08	24.1	+0.5	21.7	22	53.6	109.1	-203.1	34.0	24	10	- 1.7	5.5	4.2	+0.5	0	10	0	0	0	0	0	0	0	0
TRIVANDRUM	33.1	+0.7	33.8	20	25.3	+0.2	23.1	26	34.7	55.6	- 50.1	21.4	26	5	- 1.4	11.5	7.2	-0.6	1	10	0	0	15	0	0	0	0	0
TRIVANDRUM AERODROME	32.9	+0.2	33.6	28	25.5	+0.8	23.5	22	..	34.0	- 75.3	20.4	13	4	- 2.5		8.7	+0.8	0	7	0	0	12	0	0	0	0	0
ARABIAN SEA ISLANDS																												
AMINI	33.2	+0.2	33.9	30	26.7	-0.4	23.3	21	0.0	0.0	- 25.4	0.0	..	0	- 1.4	12.3	12.1	+2.1	0	0	0	0	1	0	0	0	0	0
AGATTI	32.3	..	33.4	05	28.2	..	26.0	22	0.0	0.0	..	0.0	..	0	..	7.1	7.0	..	0	0	0	0	0	0	0	0	0	0
ANDROTH	33.9	..	34.6	25	27.3	..	25.6	08	0.0	0.0	..	0.0	..	0	..	5.1	3.8	..	0	0	0	0	0	0	0	0	0	0
MINICOY	32.1	+1.0	33.2	15	25.8	-0.4	23.2	13	41.7	44.6	- 6.7	20.9	21	5	+ 0.1	8.0	5.7	-1.8	0	4	0	0	7	0	0	0	0	0
HILL STATIONS(EXCLUDING KASHMIR)																												
DALHOUSIE	22.1	-0.7	27.8	20	10.8	-1.1	4.2	10	3.0	18.3	- 56.6	14.2	27	2	- 2.9	6.6	4.5	-1.8	0	3	0	1	2	0	0	0	0	0
DHARMASALA	25.1	-0.8	29.1	17	14.8	-1.9	8.2	06	1.1	6.9	- 40.1	3.9	28	1	- 2.3	7.2	5.2	-1.1	0	3	0	0	2	0	0	0	0	0
BHUNTAR	26.6	..	31.4	22	10.3	..	4.8	09	13.8	19.7	..	12.1	27	3	..	10.2	6.7	..	1	4	0	1	10	0	0	0	0	0
SIMLA	18.7	-0.5	23.8	18	9.5	-1.7	3.8	05	21.4	24.7	- 21.0	17.9	27	2	- 2.3	2.2	1.6	-2.9	0	4	0	2	0	0	0	0	0	0
DHARMPUR	..	..	..	..	..	..	..	..	..	6.6	- 29.0	6.6	27	1	- 1.7	..	..	..	0	1	..	..	..	..	..	.	..	.
GHANGARIA (KANJALIA TOK)	12.9	+2.2	19.3	22	0.7	-5.1	- 4.1	02	..	54.2	- 30.0	22.2	30	5	- 0.7	..	..	..	0	5	2	3	1	0	0	0	0	0
BADRINATH	Snowfall only from May to October								..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JOSHIMATH	22.2	-0.1	27.2	17	11.7	+[illegible]	7.2	09	0.0	29.6	- 30.3	14.6	18	3	- 2.2	8.3	8.5	-0.7	0	4	0	0	3	0	0	0	0	0
MUSSOORIE	19.9	-1.2	25.6	18	10.9	-0.9	5.7	09	0.0	13.0	- 23.0	8.4	27	2	- 1.3	10.9	7.4	-0.5	0	2	0	0	3	0	0	0	0	0
MUKTESWAR(KUMAUN)	20.1	0.0	25.2	17	9.9	-0.8	5.7	09	0.4	11.4	- 24.9	10.0	27	1	- 2.2	17.9	16.3	+1.4	0	3	0	1	5	0	0	0	0	0
NAINITAL	19.8	-1.4	24.0	17	11.2	-0.9	5.0	04	6.0	44.0	+ 19.3	36.0	27	2	0.0	10.4	8.5	+0.4	0	2	0	0	0	0	0	0	0	0
KALIMPONG	22.0	-1.1	23.8	30	13.5	-1.5	11.8	05	11.8	101.6	+ 20.3	47.0	18	7	+ 0.2	30.4	28.6	+8.6	0	7	0	0	0	0	0	0	0	0
DARJEELING	12.8	-5.2	16.3	05	8.5	-2.3	6.0	20	43.4	100.7	- 12.6	41.0	18	6	- 2.2	3.6	3.0	-0.7	0	14	0	0	2	3	0	0	0	0
KOHIMA(*)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SHILLONG(C.S.O.)	22.3	-2.4	25.5	07	13.1	-1.0	9.8	19	70.1	122.2	- 23.9	40.5	19	10	- 0.2	8.8	7.6	-0.4	0	13	0	0	5	3	0	0	0	0
CHERRAPUNJI	23.3	+1.3	25.2	14	13.3	-1.8	11.1	21	208.4	534.5	-149.3	137.3	16	12	- 4.4	7.7	8.4	-3.5	0	13	0	0	0	10	0	0	0	0
ABU	27.8	-1.6	32.3	15	17.6	-2.4	10.4	03	0.0	0.0	- 2.5	0.0	..	0	- 0.3	11.1	8.3	0.0	0	0	0	0	0	0	0	0	0	0
AIJAL(*)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
PACHMARHI	32.5	-0.9	36.0	16	19.7	-0.4	14.5	09	1.4	2.0	- 7.7	1.4	27	0	- 0.9	7.1	5.6	+0.5	0	2	0	0	4	0	0	0	0	0
MAHABALESHWAR	31.5	+2.2	34.6	14	18.5	-0.3	14.6	25	22.1	35.5	+ 10.4	30.2	26	2	+ 0.5	13.1	12.7	+2.0	0	3	0	0	2	1	0	0	0	0
MERCARA	29.4	+1.5	32.2	17	17.5	-0.4	16.0	24	68.0	73.4	+ 5.6	27.8	28	7	+ 2.0	9.3	7.2	-1.0	0	12	0	0	16	0	0	0	0	0
OOTACAMUND	25.3	+3.2	26.1	19	10.4	+0.2	9.0	27	9.8	13.4	- 72.2	5.4	22	2	- 4.7	7.1	3.9	0.0	0	6	0	0	6	0	0	0	0	0
COONOOR	25.1	+1.6	27.3	19	11.8	-2.0	9.9	17	..	6.2	-136.4	3.2	21	2	- 5.5	..	..	..	0	3	0	0	0	0	0	0	0	0
KODAIKANAL	21.2	+1.4	23.2	19	11.4	-0.2	10.1	24	33.1	35.9	- 88.3	11.9	22	4	- 3.6	12.7	13.0	+0.6	2	8	0	0	10	0	0	0	0	0
NEPAL																												
KATMANDU	26.6	-2.3	29.2	04	10.6	-0.9	4.2	08	8.3	60.8	+ 13.8	32.4	19	6	+ 1.7	2.8	1.3	-0.3	0	7	0	1	10	1	0	0	0	0
SIKKIM																												
LACHEN	..	..	..	..	..	..	..	..	..	150.1	+ 49.2	18.4	18	14	+ 2.6	..	..	..	0	15	..	..	..	..	..	.	..	.
HYDROMETEOROLOGICAL OBSERVATORIES																												
DAMODAR CATCHMENT																												
TILAIYA	35.3	..	39.5	19	22.0	..	16.6	24	17.1	25.7	..	13.0	21	2	..	..	..	..	0	2	0	0	2	0	0	0	0	0
HAZARIBAGH	33.8	..	38.2	19	20.3	..	14.5	24	25.0	30.5	..	28.5	24	1	..	12.7	8.5	..	0	4	0	1	3	1	1	0	0	0
KONAR	37.9	..	41.2	30	20.2	..	14.6	01	0.0	40.0	..	18.2	21	4	..	9.5	7.1	..	0	4	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
DAMODAR CATCHMENT.(CONTD.)																												
BOKARO	37.0	..	42.0	19	18.5	..	13.6	08	24.9	31.0	..	13.6	21	3	..	9.8	8.0	..	2	4	0	0	0	0	0	0	0	0
MAITHON	36.9	..	41.9	19	19.6	..	14.5	09	28.1	46.9	..	23.8	24	4	..	3.4	2.7	..	0	4	0	0	3	0	0	0	0	0
KAMGARH	38.2	..	41.4	21	18.9	..	13.5	07	1.0	1.0	..	0.6	21	0	..	7.8	6.3	..	0	2	0	0	1	0	9	0	0	0
PANCHET HILLS	36.5	..	41.8	17	22.4	..	19.5	24	11.7	36.4	..	15.8	24	3	..	7.1	4.1	..	0	6	0	0	1	0	0	0	0	0
DURGAPUR	35.8	..	40.8	17	21.0	..	17.4	22	17.2	122.8	..	42.0	24	5	..	10.8	9.3	..	0	5	0	1	1	0	0	0	0	0
MAHANADI CATCHMENT																												
GINABAHAK	37.7	..	41.1	17	19.8	..	16.3	08	..	10.0	..	8.4	28	1	..	..	..	..	0	2	0	0	5	0	0	0	0	0
HIRAKUD	38.5	..	41.9	19	24.1	..	19.8	10	0.0	2.4	..	1.4	24	0	..	5.1	3.5	..	0	2	0	0	5	0	0	0	0	0
BHIMKUND	36.8	..	41.4	19	21.7	..	18.9	10	52.5	59.7	..	32.0	28	3	..	8.7	4.9	..	0	4	0	0	8	1	0	0	0	0
SONEPUR	38.8	..	43.5	19	28.7	..	21.6	10	..	9.2	..	5.5	24	2	..	.	4.6	..	0	3	0	0	0	0	0	0	0	0
KHIJRAWAN	38.1	..	41.1	19	22.8	..	19.5	25	0.0	39.4	..	26.6	25	2	..	11.8	7.9	..	0	3	0	1	7	0	0	0	2	0
NARMADA CATCHMENT																												
BAGRA TAWA	39.3	..	42.5	04	21.2	..	15.1	08	0.0	0.0	..	0.0	..	0	..	11.7	7.7	..	0	0	0	0	1	0	0	0	0	0
PUNASA	39.8	..	43.9	18	21.8	..	16.1	07	0.0	0.0	..	0.0	..	0	..	10.4	10.0	..	0	0	0	0	0	0	0	0	0	0
THIKRI	41.7	..	45.5	16	21.1	..	15.7	04	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
SABARMATI CATCHMENT																												
DAROI	36.6	..	41.8	26	15.9	..	12.6	04	0.0	0.0	..	0.0	..	0	..	..	..	..	.	..	..	..	..	..	..	..	..	.
GANDAK CATCHMENT																												
JAMOSOM	19.1	..	24.1	17	4.6	..	1.3	09	9.0	9.0	..	5.0	19	2	..	..	..	..	0	3	..	..	..	..	..	..	..	.
KHUDI BAZAR	27.8	..	30.5	04	16.2	..	12.4	19	61.0	126.2	..	60.6	19	6	..	..	..	..	0	11	..	..	..	..	..	..	..	.
TIMURE	24.4	..	26.8	06	11.8	..	7.2	08	13.4	71.3	..	36.2	19	4	..	..	..	..	1	6	..	..	..	..	..	..	..	.
POKHARA	28.5	..	31.5	04	16.5	..	12.7	19	81.2	69.3	..	33.6	30	4	..	3.3	2.8	..	0	9	0	2	11	0	0	0	0	0
GORKHA	27.4	..	29.8	05	16.5	..	11.2	19	96.1	110.5	..	50.8	19	5	..	..	..	..	2	9	0	1	11	1	0	0	0	0
NUWAKOT	29.2	..	31.5	04	17.1	..	13.0	18	4.1	48.1	..	24.1	25	3	..	..	..	..	0	5	..	..	..	..	..	..	..	.
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																												
DAILEKH	26.3	..	29.9	17	13.3	..	10.1	06	11.6	12.6	..	10.4	19	1	..	..	..	..	0	4	..	..	..	..	..	..	..	.
GHAGHARA CATCHMENT																												
SALLYANA	25.8	..	29.9	19	15.8	..	11.2	19	16.7	44.5	..	16.1	27	4	..	..	..	..	0	4	..	..	..	..	..	..	..	.
BUTWAL	33.9	..	36.9	16	20.9	..	15.9	07	22.6	40.2	..	14.0	25	4	..	..	..	..	0	5	..	..	..	..	..	..	..	.
BAGHMATI CATCHMENT																												
KATMANDU	SEE UNDER NEPAL																											
KOSI CATCHMENT																												
CHAUTARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
WALUNGCHUNG GOLA	10.7	..	13.6	07	- 5.2	..	- 9.6	10	37.5	87.7	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
TAPLETHOK	25.6	..	29.1	06	13.3	..	10.2	20	34.0	108.8	..	35.0	20	11	..	..	..	..	0	13	..	..	..	..	..	..	..	.
BHOJPUR	21.0	..	26.2	05	13.2	..	10.8	23	41.6	68.9	..	17.5	29	9	..	..	..	..	0	10	..	..	..	..	..	..	..	.
TAPLEJUNG	20.5	..	23.2	05	11.1	..	7.6	09	31.2	114.0	..	48.8	18	10	..	7.2	4.9	..	1	11	0	0	9	0	0	0	0	0
OKHALDHUNGA	21.5	..	24.4	15	11.9	..	7.8	23	15.8	61.3	..	11.6	29	9	..	7.5	6.6	..	0	12	0	3	5	7	0	0	0	0
CHAINPUR	25.8	..	29.0	07	15.6	..	12.9	23	25.1	56.1	..	19.0	23	5	..	..	..	..	0	8	..	..	..	..	..	..	..	.
ANGBUNG	27.5	..	34.0	17	..	..	..	..	10.5	68.9	..	50.3	18	3	..	..	..	..	0	6	..	..	..	..	..	..	..	.
BARAHAKSHETRA	32.3	..	36.5	05	21.1	..	14.5	09	27.9	30.6	..	10.1	29	4	..	7.6	4.7	..	0	17	0	0	9	0	0	0	0	0
TISTA CATCHMENT																												
GANGTOK	22.5	..	26.8	05	12.1	..	9.3	09	21.6	129.0	..	49.6	18	8	..	..	..	..	2	12	..	..	..	..	..	..	..	.
GEZING	20.7	..	23.3	14	11.0	..	8.5	01	18.7	81.3	..	22.3	19	8	..	8.2	7.1	..	1	12	0	0	6	8	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — APRIL 1967. (CHAITRA 11 - VAISAKHA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lst. in gpm. of mean standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
MAYA BANDAR	0830	28	1011.2	1008.1	-0.2	29.6	25.9	24.3	30.4	74	- 1	3.3	-0.6	4.1	0	0	24	02	14	4	0	0	0	4	0	6	0
	1730	28	1007.8	1004.7	-0.6	28.7	25.7	24.3	30.4	78	+ 0	3.8	-0.9	4.7	0	0	24	02	4	7	1	0	2	7	1	6	0
LONG ISLAND	0830	25	1011.3	1008.6	+0.1	29.5	25.9	24.3	30.4	73	+ 0	3.5	-0.7	1.7	0	0	19	00	1	5	1	0	0	10	2	11	0
	1730	25	1008.2	1005.4	-0.1	28.6	25.6	24.3	30.4	76	+ 2	4.1	-1.0	0.5	0	0	5	00	0	0	0	0	0	4	1	25	0
PORT BLAIR	0530	79	1009.7	1000.7	..	24.6	23.8	23.4	28.8	93	..	3.3	..	1.5	0	0	6	00	0	0	0	1	0	4	1	24	0
	0830	79	1011.4	1002.6	+0.5	30.4	25.6	23.5	28.9	66	- 4	3.3	-1.2	3.9	0	0	18	03	4	3	1	0	2	3	2	12	0
	1130	79	1010.1	1001.3	..	32.2	26.1	23.4	28.8	60	..	4.0	..	7.5	0	0	26	01	13	8	0	0	1	2	1	4	0
	1430	79	1008.0	999.2	..	31.1	25.6	23.1	28.3	63	..	4.6	..	7.1	0	2	22	00	11	4	4	0	1	3	1	6	0
	1730	79	1008.3	999.5	+0.4	28.6	24.9	23.2	28.4	72	- 5	4.2	-1.1	2.6	0	0	10	01	2	1	0	0	1	3	2	20	0
	2030	79	1010.1	1001.2	..	26.9	24.5	23.4	28.8	82	..	1.8	..	0.9	0	0	6	00	0	0	1	0	1	3	1	24	0
	2330	79	1009.7	1000.8	..	25.8	24.3	23.7	29.3	88	..	2.6	..	1.3	0	0	6	00	0	0	0	0	1	4	1	24	0
CAR NICOBAR	0830	10	1010.9	1009.7	+0.2	29.7	25.6	23.7	29.3	70	+ 0	3.1	-1.7	0.7	0	0	10	00	7	3	0	0	0	0	0	20	0
	1730	10	1008.1	1006.9	+0.1	28.6	25.2	23.5	28.9	74	- 3	3.4	-1.3	0.1	0	0	1	00	0	1	0	0	0	0	0	29	0
NAN COWRY	0830	26	1011.0	1008.1	+0.0	29.7	26.3	24.9	31.5	76	- 1	3.4	-2.0	1.[illegible]	0	0	10	00	0	0	2	6	1	0	1	19	0
	1730	26	1008.0	1005.1	-0.1	28.6	25.7	24.5	30.7	79	- 2	4.4	-0.7	0.2	0	0	1	00	0	0	0	0	0	0	1	29	0
KONDUL	0830	8	1011.7	1010.8	+0.7	29.7	26.1	24.6	30.9	74	- 7	2.6	-2.5	0.9	0	0	6	01	2	2	1	0	0	0	0	24	0
	1730	8	1008.6	1007.7	+0.4	28.4	25.6	24.4	30.5	80	- 6	2.7	-2.6	1.1	0	0	7	00	5	1	1	0	0	0	0	23	0
NORTH ASSAM (INCLUDING NEFA)																											
PASIGHAT	0830	157	1011.1	993.2	+0.4	22.9	18.5	15.6	17.7	64	- 6	4.5	-0.8	15.0	0	10	17	00	0	1	0	0	1	0	25	3	0
	1730	157	1006.7	989.0	+0.2	24.8	20.2	17.4	19.9	65	- 7	5.8	+0.3	5.7	0	4	8	00	0	0	0	1	0	2	9	15	0
DIBRUGARH (MOHANBARI)	0230	111	1008.6	995.8	..	19.7	16.0	16.9	19.3	85	..	5.1	..	5.1	0	0	20	04	8	5	1	0	2	0	0	10	0
	0530	111	1009.6	996.8	..	18.7	17.5	16.7	19.0	88	..	5.3	..	4.5	0	0	21	07	8	5	0	0	0	0	1	9	0
	0830	111	1011.1	998.4	+0.5	23.7	19.4	16.7	19.0	66	- 6	4.1	-1.0	8.0	0	1	29	04	13	9	3	1	0	0	0	0	0
	1130	111	1009.7	997.2	..	26.7	20.5	16.7	19.0	56	..	3.9	..	6.6	0	0	30	02	11	7	3	3	1	3	0	0	0
	1430	111	1006.6	994.2	..	28.3	20.5	15.7	17.8	49	..	4.5	..	7.1	0	0	27	05	4	4	0	5	6	2	1	3	0
	1730	111	1006.5	993.9	+0.4	26.0	20.6	17.4	19.9	60	-11	5.2	-0.6	3.9	0	0	19	02	7	1	1	3	1	2	2	11	0
	2030	111	1008.7	996.0	..	22.1	19.4	17.7	20.2	76	..	5.0	..	4.8	0	0	19	04	13	1	0	1	0	0	0	11	0
	2330	111	1009.3	996.5	..	21.0	18.7	17.3	19.7	80	..	5.7	..	5.3	0	1	18	01	11	3	0	1	2	0	1	11	0
DIGBOI	0830	152	1011.8	994.3	+0.0	22.8	19.7	17.9	20.5	75	- 6	3.9	-1.7	2.1	0	0	29	03	6	5	4	4	0	6	1	1	0
	1730	152	1007.7	990.4	+0.0	25.9	21.3	18.7	21.6	66	+ 0	4.0	-1.6	1.8	0	0	21	02	9	2	1	2	0	5	0	9	0
NORTH LAKHIMPUR	0830	102	1011.1	999.4	+0.6	24.0	20.0	17.6	20.1	68	- 8	4.3	-1.0	3.1	0	0	25	04	9	5	3	2	0	2	0	5	0
	1130	102	1009.9	998.3	..	27.1	20.8	17.1	19.5	56	..	3.8	..	6.3	0	0	30	00	9	4	7	6	3	1	0	0	0
	1430	102	1007.0	995.5	..	27.9	20.6	16.1	18.3	51	..	4.3	..	4.8	0	0	29	02	4	5	5	5	4	4	0	1	0
	1730	102	1006.7	995.1	+0.6	24.9	20.8	18.5	21.3	68	- 7	4.9	-0.1	2.9	0	0	20	03	7	2	2	2	3	0	1	10	0
	2030	102	1008.9	997.1	..	21.5	19.4	18.1	20.8	82	..	4.8	..	1.3	0	0	13	05	2	0	0	2	4	0	0	17	0
SIBSAGAR	0830	97	1011.3	1000.3	+0.6	23.7	20.1	18.0	20.6	73	- 5	4.2	-1.3	2.3	0	0	25	15	4	1	0	2	3	0	0	5	0
	1730	97	1006.4	995.5	+0.3	26.7	21.2	18.1	20.8	60	-13	4.9	-0.4	1.9	0	0	19	11	2	0	1	2	3	0	0	11	0
GOHPUR	0830	83	1011.2	1001.7	..	23.5	20.2	19.7	22.9	74	- 5	4.2	..	3.1	0	0	25	00	7	0	15	0	0	0	2	5	1
	1730	83	1005.9	996.6	..	25.7	21.3	18.8	21.7	67	- 2	5.0	..	1.7	0	0	17	00	12	0	2	0	2	0	1	13	0
MAJBAT	0830		..	..	..	23.7	19.6	17.1	19.5	67	..	.	..	3.[illegible]	0	0	12	00	7	3	0	0	2	0	0	6	0
	1730		..	..	..	27.7	20.8	16.5	18.8	51	..	.	..	4.1	0	0	11	00	4	4	0	0	3	0	0	8	0
JORHAT AERODROME	0530	90	1008.8	998.4	..	19.4	18.5	17.9	20.5	91	..	5.1	+1.4	6.1	0	2	15	00	13	3	0	1	0	0	0	13	0
	0830	90	1010.6	1000.3	..	23.5	20.5	18.8	21.7	76	..	4.6	..	10.1	0	4	20	03	15	4	1	0	0	0	1	6	0
	1130	90	1009.1	999.0	..	27.4	22.1	19.2	22.2	62	..	3.8	..	16.0	0	8	21	03	13	6	1	0	0	1	3	1	2
	1730	90	1005.8	995.6	..	25.8	21.3	18.7	21.6	66	..	4.5	..	11.7	0	3	22	03	14	3	0	0	2	0	3	5	0
	2330	90	1008.5	998.2	..	21.2	19.8	19.0	22.0	87	..	4.2	..	6.3	0	1	17	01	13	2	0	1	1	0	0	12	0
TANGLA	0830	78	1010.5	1001.6	+1.4	24.7	20.6	18.2	20.9	69	+ 2	.	..	2.1	0	0	22	00	0	0	10	0	12	0	0	8	0
	1730	78	1005.6	996.8	+3.2	26.6	22.5	20.4	24.0	71	+ 8	.	..	0.9	0	0	12	00	0	0	9	0	3	0	0	18	0
TEZPUR	0830	79	1011.1	1002.1	+0.5	24.1	19.5	16.6	18.9	64	- 7	4.1	+0.2	5.8	0	1	28	00	25	0	1	0	3	0	0	1	0
	1730	79	1007.1	998.3	+1.7	27.9	20.5	15.9	18.1	50	-11	4.0	+0.6	5.5	0	1	23	00	14	1	0	0	6	1	2	6	0
GOLAGHAT	0830	95	1010.7	999.8	+1.0	23.5	19.9	17.6	20.1	72	- 5	3.3	-1.6	0.0	0	0	0	00	0	0	0	0	0	0	0	29	0
	1730	95	1006.2	995.6	+0.8	28.3	21.5	17.6	20.1	52	-12	3.3	-0.5	0.0	0	0	0	00	0	0	0	0	0	0	0	19	0
RANGIA	0830	60	1012.1	1005.2	..	24.9	20.6	18.1	20.8	68	+ 0	3.6	..	10.0	0	2	26	00	3	24	1	0	0	0	0	2	0
	1730	60	1007.8	1001.0	..	27.4	21.3	17.9	20.5	58	+ 1	3.1	..	5.6	0	3	16	01	1	10	1	0	0	5	1	9	0
CHAPARMUKH	0830	66	1010.7	1003.3	+0.8	25.0	20.8	18.4	21.1	67	+ 3	3.2	+0.7	3.4	0	0	21	00	2	9	8	2	0	0	0	0	0
	1730	66	1006.9	999.4	+1.9	26.0	20.8	17.8	20.4	60	+ 3	3.9	+0.6	3.0	0	0	16	01	5	0	5	1	2	0	2	5	0
GOALPARA	0830	38	1010.1	1005.7	+1.0	21.8	19.9	18.8	21.7	85	+13	3.5	+0.5	2.4	0	0	27	00	23	0	2	0	2	0	0	3	0
	1730	38	1006.2	1001.9	+2.0	28.0	23.7	21.6	25.8	67	+12	3.3	+0.9	2.5	0	0	27	00	13	0	4	0	6	3	1	3	0
GAUHATI (BHORJOR)	0230	54	1007.1	1000.8	..	19.6	18.1	17.1	19.5	87	..	3.1	..	5.7	0	2	15	02	7	2	2	3	1	0	0	13	0
	0530	54	1008.3	1002.0	..	18.7	17.6	16.9	19.3	88	..	3.6	..	2.9	0	0	9	02	4	1	1	1	0	0	0	21	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations														
			At mean sea level or Ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction											
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NORTH ASSAM (INCLUDING NEFA) (CONTD.)																													
GAUHATI (BHORJOR) (CONTD.)	0830	54	1010.1	1003.9	+0.3	24.0	19.8	17.2	19.6	67	- 1	4.2	+1.1	7.5	0	0	23	04	12	3	1	0	0	1	2	7	0
	1130	54	1008.7	1002.6	..	28.0	21.0	16.8	19.1	54	..	3.8	..	9.5	0	1	29	08	14	1	1	0	1	2	3	0	0
	1430	54	1005.7	999.7	..	29.3	20.7	15.3	17.4	47	..	4.0	..	10.2	0	2	26	04	9	1	0	3	1	4	6	2	0
	1730	54	1005.5	999.5	+0.7	27.5	20.7	16.6	18.9	54	- 3	3.8	+0.6	5.3	0	1	15	01	5	5	0	0	0	4	1	14	0
	2030	54	1007.8	1001.6	..	23.0	20.0	18.2	20.9	75	..	2.6	..	4.7	0	1	10	00	4	3	1	1	1	0	1	19	0
	2330	54	1008.0	1001.8	..	21.3	19.0	17.6	20.1	79	..	3.1	..	5.1	0	1	15	00	7	3	0	2	4	0	0	14	0
DHUBRI (RUPSI)	0530	45	1007.7	1002.5	..	19.1	17.5	16.5	18.7	84	..	3.9	..	6.7	0	0	24	01	13	7	1	0	2	0	0	6	0
	0830	45	1009.3	1004.2	+0.7	24.8	19.6	16.3	18.5	62	+ 2	3.7	+0.4	10.3	0	1	29	00	8	12	5	0	3	2	0	0	0
	1130	45	1008.5	1003.4	..	28.5	20.9	16.3	18.5	51	..	3.5	..	13.3	0	8	20	00	4	15	0	1	6	0	2	2	0
	1730	45	1004.8	999.7	+1.3	28.4	20.9	16.4	18.6	51	+ 4	3.0	+0.8	7.2	0	0	24	00	8	8	0	0	0	7	1	6	0
DHUBRI	0830	35	1010.1	1006.1	+0.4	24.2	20.1	17.7	20.2	69	- 3	3.7	+0.3	9.5	0	0	18	00	11	2	2	0	3	0	0	3	0
	1730	35	1005.5	1001.6	+0.9	27.6	21.2	17.5	20.0	57	+ 0	2.6	+0.3	8.2	0	0	14	01	3	4	1	0	4	0	1	5	0
LUMDING	0830	149	1010.5	993.3	..	20.3	18.5	17.4	19.9	83	+15	3.6	..	1.7	0	0	13	00	0	12	1	0	0	0	0	17	0
	1730	149	1005.7	989.0	..	28.1	22.4	19.3	22.4	61	..	4.3	..	1.6	0	0	13	01	0	4	0	3	1	3	1	17	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																													
TURA	0830	370	1009.9	968.3	-0.1	23.6	20.9	19.4	22.5	77	+ 8	4.5	+1.3	3.3	0	0	21	01	1	6	5	2	3	1	2	9	0
	1730	370	1005.2	964.4	-0.2	28.4	24.1	22.1	26.6	71	+12	4.1	+1.4	3.5	0	0	28	02	2	1	2	6	4	8	3	2	0
HAFLONG	0830	682	1011.3	935.6	+1.5	21.9	17.5	14.7	16.7	66	- 3	3.5	+0.3	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	682	1006.0	930.7	+0.4	23.0	17.8	14.6	16.6	62	+ 1	3.8	+0.0	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SILCHAR (KUMBHIRGRAM)	0530	97	1007.6	996.4	..	19.6	17.6	16.3	18.5	82	..	3.5	..	8.8	0	0	30	00	2	28	0	0	0	0	0	0	0
	0830	97	1009.4	998.4	+0.1	23.9	19.8	17.3	19.7	68	- 1	3.4	+0.1	8.6	0	0	29	00	4	21	4	0	0	0	0	1	0
	1130	97	1008.1	997.2	..	28.0	21.0	16.8	19.1	55	..	3.4	..	8.6	0	0	29	00	2	7	2	4	7	6	0	1	1
	1730	97	1004.7	993.8	+0.2	27.0	21.0	17.5	20.0	60	- 1	3.9	+0.6	5.9	0	1	25	01	2	4	0	1	1	13	4	4	0
SILCHAR	0830	29	1011.6	1008.2	+0.6	24.5	21.0	19.1	22.1	72	- 2	3.0	-1.0	1.1	0	0	17	02	6	6	2	0	0	0	1	13	0
	1730	29	1007.2	1003.9	+1.3	27.8	21.7	18.3	21.0	59	- 5	3.9	+0.3	0.7	0	0	10	00	2	2	1	0	3	2	0	20	0
IMPHAL (TULIHAL)	0530	781	1011.8	923.5	..	14.6	13.7	13.1	15.1	91	..	3.7	..	1.9	0	1	3	01	0	1	0	1	0	1	0	26	0
	0830	781	1011.4	925.1	-0.1	20.9	16.8	14.1	16.1	66	+ 3	3.9	+0.6	2.4	0	0	10	02	1	1	2	4	0	0	0	20	0
	1130	781	1008.6	923.7	..	25.3	17.9	13.1	15.1	50	..	4.1	..	10.7	0	4	21	02	1	2	1	6	3	6	4	5	0
	1430	781	1005.6	921.2	..	26.2	17.7	12.0	14.0	46	..	4.3	..	14.9	0	8	19	01	0	2	2	1	4	13	4	3	0
	1730	781	1006.1	920.9	+1.5	23.1	17.1	13.1	15.1	56	+ 6	4.3	+1.0	11.6	0	1	25	00	3	0	1	2	1	10	9	4	0
	2030	781	1010.1	923.3	..	19.3	16.1	14.0	16.0	73	..	3.9	..	4.7	0	0	12	00	0	1	1	1	1	4	4	18	0
	2330	781	1010.8	923.4	..	17.1	15.3	14.1	16.1	82	..	3.4	..	2.0	0	0	7	00	1	2	0	1	0	1	2	23	0
KAILASHAHAR	0530	29	1008.7	1005.4	..	20.6	19.7	19.2	22.2	92	..	3.2	..	1.7	0	0	16	00	2	2	1	2	6	0	3	14	0
	0830	29	1010.9	1007.6	+0.4	25.6	22.3	20.5	24.1	74	+ 3	3.2	-0.2	5.3	0	0	28	02	2	2	0	8	11	0	1	2	2
	1130	29	1009.6	1006.3	..	29.6	22.6	18.8	21.7	56	..	2.9	..	6.3	0	0	30	04	4	1	2	4	11	2	2	0	0
	1730	29	1006.3	1003.0	+0.6	27.3	22.2	19.5	22.7	65	+ 4	3.4	-0.5	3.9	0	0	19	03	7	0	0	1	6	0	1	11	1
AGARTALA	0230	16	1006.1	1004.3	..	22.3	20.7	19.8	23.0	86	..	1.9	..	6.2	0	1	19	01	1	2	9	5	1	1	0	10	0
	0530	16	1007.1	1005.3	..	21.8	20.6	19.9	23.2	89	..	3.4	..	7.5	0	1	21	00	3	0	10	8	0	1	0	8	0
	0830	16	1009.3	1007.5	+0.3	27.4	22.5	19.9	23.2	65	- 6	2.8	-1.1	13.7	0	6	21	03	1	1	6	7	5	3	1	3	0
	1130	16	1008.0	1006.2	..	31.9	22.6	17.3	19.7	45	..	2.7	..	15.7	0	7	22	01	2	1	4	7	4	7	3	1	0
	1430	16	1004.8	1003.1	..	32.8	22.6	16.8	19.1	42	..	3.4	..	15.9	0	8	21	04	0	1	3	7	6	5	1	1	0
	1730	16	1004.9	1003.1	+0.4	27.9	21.2	17.3	19.7	57	- 2	3.5	-0.3	13.7	0	6	23	02	1	3	4	6	9	4	0	1	0
	2030	16	1007.0	1005.2	..	24.5	21.0	19.1	22.1	72	..	2.7	..	8.6	0	3	19	00	0	0	6	13	1	1	1	8	0
	2330	16	1007.1	1005.3	..	23.2	20.7	19.3	22.3	80	..	2.4	..	5.9	0	0	18	00	2	1	5	8	1	1	0	12	0
SUB-HIMALAYAN WEST BENGAL																													
BAGHDOGRA	0230	131	1006.9	991.7	..	19.5	17.6	16.3	18.5	82	..	3.4	..	6.6	0	1	19	02	8	9	0	0	0	1	0	10	0
	0530	131	1007.6	992.4	..	18.8	17.2	16.1	18.3	84	..	3.9	..	5.7	0	0	16	00	7	6	2	0	0	1	0	14	0
	0830	131	1009.4	994.5	+0.7	25.6	19.9	16.4	18.6	57	- 1	3.3	+0.5	12.8	0	3	23	01	5	16	2	0	0	2	0	4	0
	1130	131	1008.7	994.0	..	28.8	20.6	15.5	17.6	45	..	3.3	..	14.5	0	5	24	01	1	12	12	2	0	0	0	1	1
	1430	131	1005.6	991.0	..	30.0	21.4	16.3	18.5	46	..	3.7	..	13.7	0	2	26	00	1	12	4	4	5	1	1	2	0
	1730	131	1004.7	990.0	+0.1	27.6	20.9	16.9	19.3	54	+ 5	3.8	+1.2	8.7	0	1	22	01	4	9	4	1	3	0	1	7	0
	2030	131	1007.2	992.3	..	22.9	19.5	17.3	19.7	71	..	2.9	..	5.7	0	0	17	01	6	7	3	0	0	0	0	13	0
	2330	131	1007.9	992.8	..	21.2	18.7	17.9	20.5	79	..	3.1	..	7.9	0	0	20	00	9	11	0	0	0	0	0	10	0
JALPAIGURI	0830	83	1009.3	999.9	+0.1	23.5	19.3	16.7	19.0	67	- 1	2.8	-0.1	8.9	0	3	27	04	7	15	3	0	0	1	0	0	0
	1730	83	1004.3	995.1	+0.3	28.3	21.5	17.5	20.0	54	+ 4	2.5	+0.4	5.6	0	0	28	04	3	12	2	1	1	3	2	2	0
COOCH BEHAR AERODROME	0830	43	1009.6	1004.8	+1.1	24.6	19.5	16.3	18.6	61	- 3	3.0	-0.5	16.7	0	10	20	00	4	21	1	1	1	2	0	0	0
	1130	43	1008.8	1004.0	..	28.1	20.7	16.1	18.3	51	..	3.2	..	19.8	0	10	20	02	5	16	4	2	1	0	0	0	0
	1730	43	1005.1	1000.3	+1.6	27.7	20.7	16.5	18.8	53	- 2	2.7	+0.5	8.1	0	7	10	01	5	10	0	0	0	1	0	13	0
BALURGHAT	0830	26	1008.6	1005.7	..	27.1	20.7	16.8	19.1	56	..	1.7	..	4.7	0	0	26	01	3	9	4	1	3	5	0	4	0
	1730	26	1003.9	1001.0	..	29.6	22.8	19.2	22.2	52	..	1.5	..	2.3	0	0	13	03	1	4	0	0	0	3	2	17	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS— APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point				Mean amount	Departure from normal		Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SUB-HIMALAYAN WEST BENGAL																											
MALDA	0830	31	1008.9	1005.4	+0.6	27.1	20.6	16.7	19.0	56	+ 0	2.0	-0.8	2.4	0	0	24	01	5	5	4	1	2	3	3	6	0
	1730	31	1004.0	1000.5	+0.5	32.1	22.6	17.3	19.7	44	+ 7	1.9	+0.3	2.5	0	0	25	02	5	6	1	1	0	3	7	5	0
GANGETIC WEST BENGAL																											
BERHAMPORE	0830	19	1008.5	1006.3	+0.1	27.1	21.7	18.7	21.6	60	- 1	2.1	-1.0	3.3	0	0	24	04	1	4	2	4	2	6	1	6	0
	1730	19	1003.7	1001.5	+0.4	32.9	21.8	15.2	17.3	37	+ 0	2.1	-0.6	2.3	0	0	21	01	0	7	0	5	0	6	2	9	0
SURI	0830		..	..	..	29.0	20.2	14.5	16.5	45	+ 2	1.9	-0.6	6.0	0	0	30	06	2	3	0	12	1	4	2	0	0
ASANSOL	0230	126	1006.0	991.7	..	23.5	18.8	15.7	17.8	63	..	0.9	..	2.6	0	0	15	00	0	4	0	1	0	4	6	15	0
	0530	126	1007.1	992.6	..	22.0	18.2	15.7	17.8	68	..	1.7	..	2.8	0	0	17	00	4	1	2	1	1	6	2	13	0
	0830	126	1008.7	994.6	+0.8	29.4	20.8	15.5	17.6	46	- 2	1.6	-0.5	5.9	0	0	28	00	3	1	3	5	0	8	8	2	0
	1130	126	1007.7	993.8	..	34.4	22.0	14.3	16.3	33	..	1.4	..	9.7	0	4	26	02	2	4	3	2	2	8	7	0	0
	1430	126	1004.3	990.6	..	36.2	22.3	13.6	15.6	29	..	1.9	..	9.7	0	0	30	01	5	1	3	1	2	5	12	0	0
	1730	126	1003.5	989.6	+0.6	33.6	21.6	14.0	16.0	34	+ 6	2.3	-0.5	8.6	0	1	27	00	2	4	2	3	0	7	10	2	0
	2030	126	1006.3	992.1	..	27.1	20.1	15.7	17.8	52	..	1.6	..	2.9	0	0	15	00	1	4	0	1	1	5	3	15	0
	2330	126	1007.1	992.8	..	24.8	19.4	16.0	18.2	57	..	1.1	..	4.3	0	0	22	01	1	3	5	1	2	6	3	8	0
SHANTI NIKETAN	0830	59	1009.1	1002.4	..	28.3	21.5	17.6	20.1	55	..	1.8	..	4.0	0	0	24	02	2	1	1	5	3	7	3	6	0
	1130	59	1008.2	1001.7	..	33.7	22.6	16.1	18.3	39	..	1.6	..	3.4	0	0	20	02	1	2	3	1	0	7	4	10	0
	1730	59	1004.1	997.6	..	33.7	22.6	16.1	18.3	39	..	2.5	..	6.1	0	0	25	02	1	1	4	1	3	6	7	5	0
KRISHNANAGAR	0830	15	1009.1	1007.5	+0.6	29.5	22.7	19.1	22.1	56	-10	1.5	-1.4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	15	1005.7	1004.1	+1.9	33.0	22.4	16.2	18.4	40	- 3	1.9	-1.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
PURULIA	0830	255	1009.0	980.6	+0.5	28.6	20.2	14.8	16.8	45	+ 7	1.2	-0.5	6.1	0	0	28	02	1	0	5	3	3	7	7	2	0
	1730	255	1003.6	975.9	+0.5	34.3	21.4	12.9	14.9	31	+ 7	2.7	-0.2	6.8	0	0	29	00	3	3	4	0	2	6	11	1	0
BANKURA	0830	100	1008.4	997.2	..	28.7	22.9	19.9	23.2	60	..	0.8	..	2.1	0	0	19	01	2	2	2	1	4	2	2	11	3
	1730	100	1003.5	992.7	..	33.5	23.6	18.3	21.0	46	..	1.1	..	2.5	0	0	15	00	0	0	0	0	0	1	8	15	6
BURDWAN	0830	32	1007.9	1004.2	-0.4	29.4	23.9	21.2	25.2	62	- 5	1.1	-1.1	4.9	0	0	24	03	1	4	6	2	1	5	2	6	0
	1730	32	1004.9	1001.5	+1.5	33.3	25.2	21.3	25.3	52	+12	1.6	-0.8	4.0	0	0	24	03	1	4	5	2	2	5	2	6	0
CALCUTTA (DUM DUM)	0230	6	1006.0	1005.3	..	24.8	23.1	22.3	26.9	86	..	1.7	..	5.6	0	1	24	01	1	2	7	4	4	5	1	5	0
	0530	6	1006.7	1006.0	..	23.6	22.4	21.8	26.1	89	..	2.3	..	4.8	0	1	19	00	0	2	6	4	5	2	1	10	0
	0830	6	1008.8	1008.1	+0.1	28.9	23.6	20.9	24.7	64	- 6	2.1	-1.0	7.4	0	2	26	01	2	0	5	4	9	3	4	2	0
	1130	6	1008.0	1007.3	..	33.0	23.9	19.2	22.2	46	..	1.9	..	9.3	0	2	28	01	0	1	6	5	5	4	8	0	0
	1430	6	1005.0	1004.3	..	34.3	24.1	18.7	21.6	43	..	2.2	..	8.4	0	0	28	00	1	0	4	8	4	2	9	2	0
	1730	6	1004.2	1003.5	-0.2	31.9	24.1	20.3	23.8	53	- 2	2.6	-0.5	6.9	0	0	21	00	0	1	4	8	5	1	2	9	0
	2030	6	1006.8	1006.1	..	27.1	23.4	21.5	25.6	73	..	2.2	..	9.0	0	2	22	00	0	0	5	9	7	1	2	6	0
	2330	6	1006.8	1006.1	..	26.1	23.5	22.1	26.6	80	..	1.9	..	7.0	0	0	28	01	0	1	4	11	8	3	0	2	0
CALCUTTA	0830	6	1009.0	1008.3	+0.4	29.9	23.6	20.4	24.0	59	-12	2.3	-0.6	9.4	0	1	27	02	2	1	1	10	6	4	2	2	0
	1130	6	1008.1	1007.4	..	33.5	23.4	17.9	20.5	43	..	1.8	..	10.1	0	2	27	05	1	0	1	11	3	4	4	1	0
	1730	6	1004.5	1003.8	+0.1	31.9	23.6	19.2	22.2	50	- 6	2.5	-0.5	9.0	0	0	27	00	0	0	1	15	7	2	2	3	0
MIDNAPORE	0830	45	1009.0	1003.9	+0.4	28.3	22.3	19.1	22.1	59	- 3	0.9	-1.3	2.0	0	0	19	01	3	1	0	5	7	1	0	11	1
	1730	45	1004.3	999.3	+0.6	33.6	22.9	16.8	19.1	41	+ 0	2.5	-0.7	2.5	0	0	20	01	3	0	2	6	7	0	1	10	0
CONTAI	0830	11	1009.0	1007.8	+0.5	29.9	24.4	21.7	25.9	63	- 8	1.6	-1.3	10.1	0	3	26	06	0	0	1	9	11	1	1	1	0
	1730	11	1004.9	1003.7	+0.0	29.3	25.0	23.1	28.3	70	- 6	2.1	-1.1	15.5	0	8	22	01	0	0	1	22	6	0	0	0	0
SAGAR ISLAND	0830	3	1008.7	1008.4	+0.1	28.7	25.7	24.4	30.5	78	+ 3	3.5	-0.4	20.0	0	15	15	02	1	1	3	10	9	2	2	0	0
	1730	3	1004.7	1004.4	-0.2	29.0	26.2	25.0	31.7	79	- 1	3.0	-0.8	25.5	0	21	9	01	0	2	9	13	5	0	0	0	0
SANDHEADS	0530	10	1007.0	1005.9	..	27.4	25.5	24.7	31.1	84	..	4.5	..	15.8	0	7	23	02	0	0	0	3	22	2	1	0	0
	0830	10	1009.2	1008.1	+0.0	29.3	26.3	25.0	31.7	78	- 3	2.7	-0.2	17.0	0	10	20	01	0	0	1	6	18	2	2	0	0
	1130	10	1008.9	1007.8	..	30.1	26.3	24.7	31.1	73	..	2.4	..	15.8	0	10	19	00	0	1	1	5	18	2	2	1	0
	1730	10	1005.1	1004.0	-0.3	29.5	26.3	24.9	31.5	77	- 8	3.7	+0.8	16.9	0	11	18	00	0	0	0	9	18	2	0	1	0
	2330	10	1007.5	1006.4	..	27.7	25.6	24.7	31.1	84	..	1.8	..	21.7	0	16	14	01	2	1	1	4	18	3	0	0	0
ORISSA																											
BARIPADA	0830	54	1009.7	1003.7	+0.8	29.8	22.7	18.9	21.8	54	- 4	1.1	-0.5	3.0	0	0	25	07	7	1	1	5	2	1	1	5	0
	1730	54	1005.3	999.3	+0.5	32.9	23.2	17.9	20.5	45	+ 1	2.6	-0.3	4.1	0	0	25	01	0	4	9	8	2	1	0	5	0
JHARSUGUDA	0230	230	1005.8	980.0	..	26.1	19.3	14.8	16.8	51	..	1.8	..	4.7	0	1	14	00	4	2	5	3	1	0	0	15	0
	0530	230	1006.8	980.9	..	24.2	18.8	15.2	17.3	58	..	2.4	..	4.9	0	0	20	01	4	4	4	4	1	0	2	10	0
	0830	230	1008.7	983.2	+0.4	30.4	20.5	14.1	16.1	39	+ 4	1.5	-0.3	9.2	0	2	23	00	6	4	3	5	3	2	2	5	0
	1130	230	1007.5	982.5	..	35.8	21.9	12.9	14.9	27	..	1.1	..	7.7	0	1	25	00	6	2	0	2	4	6	6	4	0
	1430	230	1003.9	979.1	..	38.4	22.1	11.2	13.3	21	..	2.0	..	12.4	0	3	26	00	2	0	2	1	7	13	4	1	0
	1730	230	1002.5	977.7	+0.0	37.2	21.5	10.7	12.9	21	+ 2	2.0	-0.5	12.5	0	1	27	00	0	2	1	2	5	14	4	2	0
	2030	230	1005.1	979.8	..	31.5	20.7	13.6	15.6	35	..	2.3	..	8.3	0	2	21	01	1	2	2	9	4	4	0	7	0
	2330	230	1006.3	980.7	..	28.6	20.3	14.6	16.6	45	..	1.8	..	5.5	0	0	17	01	2	3	5	2	1	2	1	13	0
KEONJHARGARH	0830	463	1009.0	958.4	+0.1	29.0	19.8	14.4	16.4	44	- 8	0.7	-1.2	1.2	0	0	18	03	0	3	0	3	0	8	1	12	0
	1730	463	1004.0	953.9	-0.5	32.0	20.7	14.1	16.1	36	- 4	1.4	-1.3	1.3	0	0	19	00	1	3	0	5	5	1	4	11	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1967. (CHAITRA 11 - VAISAKHA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORRISA(CONTD)																											
BALASORE	0830	20	1009.1	1006.9	+0.7	28.7	23.9	21.5	25.6	67	- 1	2.1	-0.9	9.3	0	2	25	03	3	3	1	4	13	0	0	3	0
	1730	20	1006.0	1002.8	+0.7	30.8	24.6	21.6	25.8	60	- 8	2.8	-1.4	13.4	0	5	25	00	0	1	7	19	3	0	0	0	0
SAMBALPUR	0830	148	1008.3	992.0	+0.0	30.5	20.9	14.9	16.9	39	- 9	0.7	-1.2	1.8	0	0	12	00	1	0	0	1	6	4	0	18	0
	1730	148	1004.7	988.1	+1.1	29.6	22.1	17.9	20.5	50	+23	1.2	-1.5	0.3	0	0	4	00	0	0	0	1	2	0	1	26	0
ANGUL	0830	139	1010.3	994.9	+1.5	29.7	25.1	23.0	28.1	67	+ 6	1.6	-0.7	1.9	0	0	19	05	0	5	0	3	0	6	0	11	0
	1730	139	1004.9	989.5	+1.4	35.0	26.5	22.9	27.9	52	+23	3.3	-0.8	3.5	0	0	28	03	0	6	3	5	1	9	1	2	0
CHANDBALI	0830	6	1009.3	1008.6	+0.2	28.5	24.6	22.7	27.6	72	+ 1	2.9	+0.1	5.8	0	0	22	01	1	0	5	7	4	2	2	8	0
	1730	6	1005.3	1004.6	+0.3	31.1	24.4	21.1	25.0	57	- 7	2.7	-0.1	1.8	0	3	27	00	0	5	20	2	3	0	0	0	0
BOLANGIR	0830	190	1008.9	987.7	-1.6	30.5	24.4	21.3	25.3	59	+10	1.5	-0.8	3.2	0	0	27	03	2	0	3	9	9	1	0	3	0
	1730	190	1004.2	983.5	-0.5	36.9	26.2	21.3	25.3	41	+ 8	1.5	-1.8	2.7	0	0	30	07	0	1	0	5	5	7	5	0	0
PHULBANI	0830	464	1005.8	954.9	..	27.8	20.9	16.8	19.1	53	..	0.6	..	0.1	0	0	2	00	0	0	0	0	0	2	0	28	0
	1730	464	1000.2	950.6	..	34.3	21.1	12.3	14.3	29	..	0.9	..	0.6	0	0	9	01	0	0	2	0	0	5	1	21	0
CUTTACK	0830	27	1009.7	1006.7	+0.6	28.9	24.9	23.1	28.3	71	+ 0	1.4	-0.9	7.3	0	0	20	01	0	1	1	6	4	7	0	10	0
	1730	27	1005.2	1002.2	+0.7	33.7	26.4	23.1	28.3	56	+ 6	2.0	-2.0	4.7	0	0	30	00	0	3	5	9	11	2	0	0	0
TITLAGARH	0830	211	1008.5	985.2	+0.0	30.4	23.0	19.1	22.1	52	+ 5	0.8	-1.2	1.5	0	0	23	00	5	0	8	0	10	0	0	7	0
	1730	211	1003.4	980.5	+0.2	36.7	24.3	17.7	20.2	33	+ 4	1.6	-1.1	1.3	0	0	20	00	1	0	9	0	7	0	3	10	0
BHUBANESWAR	0230	46	1006.4	1001.1	..	25.5	23.9	23.1	28.3	87	..	1.9	..	15.1	0	8	21	00	1	0	3	3	19	3	0	1	0
	0530	46	1007.2	1002.0	..	24.9	23.5	22.8	27.7	89	..	4.0	..	12.7	0	6	23	03	1	0	1	1	17	5	1	1	0
	0830	46	1009.3	1004.2	+0.4	29.3	24.5	22.2	26.7	66	- 2	2.7	-0.3	14.5	0	9	18	04	1	0	1	2	15	4	0	3	0
	1130	46	1008.5	1003.5	..	34.5	24.8	19.9	23.2	44	..	2.2	..	16.9	0	12	16	01	3	1	1	2	18	2	0	2	0
	1430	46	1005.5	1000.5	..	36.3	24.9	19.1	22.1	38	..	2.8	..	19.3	0	13	17	02	1	2	1	3	19	2	0	0	0
	1730	46	1005.1	1000.0	+0.2	31.5	24.5	21.1	25.0	55	- 2	3.5	-0.2	26.0	0	20	9	00	1	1	1	8	18	0	0	1	0
	2030	46	1007.5	1002.4	..	27.7	24.0	22.3	26.9	74	..	2.4	..	19.3	0	12	16	01	2	0	1	4	19	1	0	2	0
	2330	46	1007.6	1002.4	..	26.6	24.4	23.4	28.8	83	..	1.9	..	16.7	0	12	17	00	2	1	1	5	17	3	0	1	0
PURI	0830	6	1009.3	1008.6	-0.1	29.1	26.0	24.7	31.1	77	- 3	2.9	-0.4	12.3	0	5	24	03	0	0	1	3	21	1	0	1	0
	1730	6	1005.3	1004.6	-0.3	28.9	26.2	25.1	31.9	79	- 6	2.5	-1.4	19.0	0	14	16	01	0	0	6	12	11	0	0	0	0
GOPALPUR	0530	17	1007.1	1005.2	..	25.4	23.7	22.6	27.4	86	..	3.7	..	12.2	0	9	12	03	0	1	0	2	13	1	1	9	0
	0830	17	1009.4	1007.5	+0.3	28.2	24.8	23.6	29.1	76	- 3	3.1	+0.7	13.3	0	8	18	02	1	0	1	1	16	1	4	4	0
	1130	17	1009.2	1007.3	..	30.5	26.2	24.3	30.4	71	..	2.2	..	20.3	0	14	16	00	0	2	3	7	18	0	0	0	0
	1730	17	1005.9	1004.0	+0.5	28.5	26.0	25.0	31.7	81	- 4	4.7	+0.6	23.9	0	21	8	01	1	0	1	5	20	1	0	1	0
	2330	17	1007.9	1006.0	..	26.9	24.8	23.9	29.6	83	..	2.3	..	22.6	0	17	13	01	1	0	1	2	20	4	1	0	0
KORAPUT	0830	913	1515.6[illegible]	910.8[illegible]	+0.1	24.9[illegible]	19.8[illegible]	17.0[illegible]	19.4[illegible]	61[illegible]	- 2[illegible]	5.[illegible]	+3.0	4.4[illegible]	0	0	23	00	0	0	2	16	5	0	0	0	0
	1730	913	1492.9[illegible]	907.0[illegible]	-0.6	31.1[illegible]	19.1[illegible]	11.3[illegible]	13.4[illegible]	28[illegible]	-16[illegible]	5.9	+1.5	6.2	0	0	26	00	0	0	0	24	2	0	0	0	0
BIHAR PLATEAU																											
DUMKA	0830	149	1008.5	992.0	+0.7	27.4	20.1	15.5	17.6	50	+ 1	1.4	-0.2	2.4	0	0	24	01	1	5	5	3	3	6	0	6	0
	1730	149	1004.3	987.8	+1.0	32.5	20.6	12.6	14.6	35	+ 2	1.5	-0.5	4.1	0	0	20	01	2	1	2	2	2	7	3	10	0
DALTONGANJ	0830	221	1008.3	983.8	+0.4	29.7	19.3	11.9	13.9	35	- 2	0.6	-1.0	2.3	0	0	18	00	4	0	2	0	6	1	5	12	0
	1730	221	1003.1	979.1	+0.5	35.2	19.6	7.2	10.1	18	- 2	1.7	-0.9	4.0	0	0	28	00	8	0	1	0	0	0	19	2	0
HAZARIBAGH	0830	611	1007.9	941.2	+0.1	27.2	17.1	9.9	12.2	36	+ 4	1.2	-1.2	11.7	0	2	28	01	0	0	1	6	7	0	15	0	0
	1730	611	1002.8	937.2	-0.1	31.6	17.5	6.5	9.7	23	+ 1	1.6	-1.4	14.2	0	5	25	07	0	2	1	1	1	0	18	0	0
DHANBAD	0830	257	1008.1	979.5	+0.0	28.4	20.0	14.5	16.5	45	+ 6	0.8	-0.8	3.8	0	0	29	00	0	2	6	2	2	13	4	1	0
	1730	257	1003.0	974.9	..	33.3	20.8	12.4	14.4	31	..	1.5	..	3.7	0	0	22	00	0	2	5	0	1	11	3	8	0
RANCHI	0830	655	1008.9	937.7	+1.3	28.3	19.6	13.7	15.7	44	+[illegible]6	0.4	-1.0	2.0	0	0	30	03	1	0	5	0	7	6	8	0	0
	1730	655	1004.0	933.9	+1.2	31.3	20.7	13.8	15.8	38	+10	1.7	-0.7	1.9	0	0	29	04	2	0	2	0	4	4	13	1	0
RANCHI AERODROME	0530	652	1007.0	934.8	..	22.1	15.4	10.4	12.6	50	..	0.9	..	10.6	0	3	21	04	0	0	1	2	6	5	6	6	0
	0830	652	1007.5	936.6	-0.1	27.4	17.3	10.1	12.3	36	+ 5	0.4	-1.4	19.5	0	13	17	03	1	0	1	4	6	4	11	0	0
	1130	652	1005.8	936.1	..	32.1	18.1	7.7	10.5	23	..	0.7	..	24.5	0	17	12	03	0	0	2	0	3	6	15	1	0
	1430	652	1002.7	933.5	..	33.5	18.2	6.5	9.7	21	..	2.3	..	33.1	1	23	6	02	2	2	0	0	1	12	11	0	0
	1730	652	1002.2	932.8	-0.5	32.2	18.1	7.7	10.5	24	+ 0	2.0	-1.1	22.7	0	15	15	03	2	1	4	1	1	8	10	0	0
	2030	652	1005.5	934.7	..	27.4	16.9	9.1	11.5	34	..	0.7	..	10.7	0	1	23	00	2	5	0	0	0	10	7	6	0
JAMSHEDPUR	0830	129	1008.0	993.6	-0.3	28.9	21.5	17.2	19.6	51	+ 3	0.4	-1.2	2.2	0	0	22	01	1	2	3	0	3	8	4	8	0
	1730	129	1003.1	989.1	+0.5	35.1	21.7	13.1	15.1	30	+ 6	2.0	-0.6	2.8	0	0	18	02	1	4	1	0	0	5	5	12	0
JAMSHEDPUR P.B.O.	0530	142	1007.0	990.9	..	23.4	19.1	16.5	18.8	65	..	1.8	..	2.9	0	0	17	00	1	3	0	3	1	2	7	13	0
	0830	142	1008.6	992.8	+0.6	29.0	20.9	16.0	18.2	47	+ 6	0.9	-0.9	6.5	0	1	27	00	0	3	0	5	7	2	11	2	0
	1130	142	1007.3	991.7	..	34.1	22.2	15.0	17.0	33	..	0.7	..	7.8	0	0	30	01	0	2	1	0	6	7	13	0	0
	1430	142	1003.7	988.3	..	36.7	22.3	13.2	15.2	26	..	2.2	..	8.9	0	0	27	01	1	3	0	3	0	6	13	3	0
	1730	142	1003.0	987.5	+0.5	34.4	21.8	13.9	15.9	32	+11	2.7	-0.5	8.5	0	2	27	02	3	6	1	1	1	3	12	1	0
	2030	142	1005.7	990.0	..	29.6	21.0	15.7	17.8	45	..	1.3	..	4.3	0	0	17	01	1	7	1	1	0	3	3	13	0
	2330	142	1006.7	990.7	..	26.7	20.4	16.5	18.8	55	..	1.1	..	3.4	0	0	17	01	1	9	1	3	0	0	2	13	0
CHAIBASA	0830	226	1007.0	981.9	-1.2	29.2	20.0	13.9	15.9	41	-14	1.0	-1.7	1.1	0	0	13	01	1	0	2	0	8	0	1	17	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — APRIL 1967. (CHAITRA 11 - VAISAKHA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or lit. in gen. of nearest standard isobaric level	At station level	Departure from normal	Dry bulb	Wet bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BIHAR PLATEAU (CONTD.)																												
CHAIBASA...(CONTD.)	1730	226	1002.7	978.1	+0.1	34.9	20.6	10.4	12.6	27	- 4	4.4	+0.4	2.6	0	0	22	03	6	0	1	0	6	0	6	8	0
BIHAR PLAINS																												
MOTIHARI	0830	66	1008.2	1006.2	+6.0	25.7	19.6	15.6	17.7	54	+ 2	1.0	-0.3	8.0	0	1	27	02	0	12	2	2	2	2	6	2	0
	1730	66	1003.1	995.8	+0.2	32.2	22.7	17.4	19.9	43	+ 5	0.2	+1.0	5.8	0	1	20	03	0	5	1	1	1	2	8	8	0
FORBESGANJ	0830	61	1008.6	1001.7	+0.7	25.4	19.9	16.5	18.8	59	+ 6	2.0	+0.0	5.1	0	0	30	00	1	12	9	0	1	6	1	0	0
	1730	61	1004.0	997.1	+1.1	29.9	21.6	16.7	19.0	47	+17	2.2	+0.2	2.5	0	0	21	00	0	13	0	0	0	7	1	9	0
DARBHANGA	0830	49	1009.1	1003.6	+1.1	28.0	20.9	16.6	18.9	51	- 2	0.5	-1.0	6.1	0	0	22	00	3	7	3	0	1	5	3	8	0
	1730	49	1003.9	998.4	+0.8	32.2	22.0	15.9	18.1	40	+ 5	0.1	-1.3	2.5	0	0	10	00	3	2	2	0	0	0	3	20	0
MUZAFFARPUR	0830		..	..	..	26.4	19.9	15.8	17.9	53	..	0.4	..	6.0	0	0	27	00	1	14	0	1	1	8	2	3	0
	1730		..	..	..	32.1	21.2	14.3	16.3	36	..	0.2	..	2.8	0	0	15	05	1	1	0	0	0	8	0	15	0
CHAPRA	0830	58	1007.9	1001.4	..	27.4	19.5	14.4	16.4	45	..	0.7	..	3.6	0	0	29	01	8	0	6	0	8	0	6	1	0
	1730	58	1003.8	997.4	..	33.7	20.4	11.0	13.1	26	..	0.9	..	4.0	0	0	27	00	12	0	2	0	9	0	4	3	0
PURNEA	0830	38	1008.9	1004.6	+0.5	24.7	21.5	19.7	22.9	72	+17	1.5	-0.7	2.5	0	0	23	01	3	13	1	0	1	4	0	7	0
	1730	38	1004.0	999.8	+0.7	30.8	25.0	22.3	26.9	63	+28	1.0	-0.6	1.7	0	0	22	00	3	9	1	0	2	6	1	8	0
PATNA	0830	53	1008.2	1002.2	+0.4	26.5	19.1	14.1	16.1	49	+ 8	1.1	-0.3	11.3	0	0	30	00	10	4	0	2	4	9	1	0	0
	1730	53	1003.3	997.5	+0.3	33.7	20.6	11.5	13.6	28	+ 4	1.4	-0.1	10.9	0	3	27	00	7	4	0	0	2	13	4	0	0
PATNA AERODROME	0530	60	1005.9	999.0	..	22.3	17.6	14.3	16.3	61	..	1.4	..	11.7	0	4	23	01	1	11	2	1	2	8	1	3	0
	0830	60	1007.8	1001.1	+0.7	27.2	19.3	14.0	16.0	47	+ 9	1.4	+0.1	15.0	0	8	22	00	3	10	3	1	2	8	3	0	0
	1130	60	1007.0	1000.4	..	32.6	20.8	13.0	15.0	32	..	1.2	..	18.8	0	11	18	01	2	8	1	0	1	9	6	1	1
	1430	60	1003.9	997.3	..	35.6	20.9	10.5	12.7	23	..	1.5	..	22.2	0	15	15	01	4	5	2	0	0	9	8	0	1
	1730	60	1002.8	996.2	+0.3	34.3	20.3	10.1	12.3	25	+ 7	1.8	+0.5	15.8	0	9	20	00	3	5	1	0	0	8	11	1	1
	2030	60	1005.5	998.7	..	29.1	19.8	13.5	15.5	41	..	0.9	..	13.8	1	3	22	01	2	7	2	0	1	11	2	4	0
	2330	60	1006.0	999.2	..	26.4	19.1	14.2	16.2	49	..	0.9	..	13.0	0	4	21	00	2	11	1	1	0	8	2	5	0
BHAGALPUR	0530	49	1006.9	1001.3	..	22.4	18.1	15.3	17.4	65	..	1.9	..	4.5	0	0	28	00	2	8	7	4	2	5	0	2	0
	0830	49	1008.5	1003.0	+0.6	27.6	20.6	15.9	18.1	52	+ 5	2.3	+0.8	6.3	0	2	28	01	2	10	4	1	1	11	0	0	0
	1130	49	1007.9	1002.5	..	32.2	21.8	15.5	17.6	39	..	1.8	..	9.9	0	3	27	00	3	9	2	0	3	11	2	0	0
	1730	49	1003.9	998.5	+1.0	32.0	21.4	14.8	16.8	37	+ 6	2.5	+1.1	7.7	0	2	28	00	6	3	4	1	0	12	4	0	0
	2330	49	1006.9	1001.4	..	26.0	19.8	15.9	18.1	56	..	1.6	..	6.3	0	1	27	00	1	10	4	4	4	4	1	2	0
SABAUR	0830	37	1008.7	1004.5	+0.7	26.7	22.4	20.1	23.5	68	+16	1.9	-0.1	10.7	0	2	26	01	5	7	5	0	1	5	4	2	0
	1730	37	1003.6	999.5	+0.6	32.4	26.1	23.5	28.9	60	+26	1.4	-0.5	10.1	0	2	25	03	2	4	2	2	1	4	9	3	0
JAMUI	0830	82	(R)																								
	1730	82	(R)																								
DEHRI	0830	107	1008.0	996.0	+0.7	29.9	19.7	12.7	14.7	36	+ 5	0.9	-0.3	4.8	0	0	30	00	1	1	5	6	3	10	4	0	0
	1730	107	1002.5	990.8	+0.1	35.7	20.7	9.9	12.2	23	+ 5	0.5	-1.0	6.6	0	0	29	02	5	2	1	0	0	15	4	1	0
GAYA	0230	116	1006.2	993.0	..	25.0	17.3	11.5	13.6	44	..	0.9	..	8.8	0	1	24	00	2	6	4	2	3	7	1	5	0
	0530	116	1006.7	993.4	..	23.2	16.5	11.3	13.4	48	..	1.0	..	7.1	0	0	28	00	2	7	5	4	4	6	0	2	0
	0830	116	1008.6	995.5	+0.8	29.6	19.5	12.5	14.5	37	+ 6	1.2	+0.2	15.1	0	9	20	02	1	5	2	3	4	9	3	1	0
	1130	116	1007.8	995.0	..	34.8	20.3	9.8	12.1	24	..	1.1	..	21.4	0	15	13	02	4	1	0	1	1	15	4	2	0
	1430	116	1004.6	992.0	..	36.7	20.8	9.2	11.6	20	..	1.7	..	24.9	0	19	11	06	2	1	1	0	0	13	7	0	0
	1730	116	1003.5	990.8	+0.6	35.4	20.4	9.4	11.8	22	+ 5	1.8	+0.0	21.2	0	17	13	04	3	1	1	0	1	17	3	0	0
	2030	116	1005.7	992.8	..	29.9	19.1	11.3	13.4	32	..	1.0	..	10.1	0	5	23	00	5	5	1	0	2	14	1	2	0
	2330	116	1006.7	993.7	..	27.5	18.5	11.9	13.9	40	..	1.1	..	10.1	0	4	23	00	5	6	2	0	3	9	2	3	0
UTTAR PRADESH EAST																											
KHERI	0830	147	(R)																								
	1730	147	(R)																								
BAHRAICH	0830	124	(R)																								
	1730	124	(R)																								
NAUTANWA	0830	99	1007.7	996.5	+0.1	25.4	18.8	13.6	15.6	52	+ 9	1.5	+0.7	..	0	0	29	00	4	9	6	3	1	3	3	1	0
	1730	99	1003.0	992.1	+0.1	32.7	20.0	8.8	11.3	28	- 1	1.3	+0.3	..	0	0	24	01	3	6	2	0	5	0	9	4	0
HARDOI	0830	142	1008.3	992.3	+0.9	28.8	19.2	12.7	14.7	38	- 2	0.8	-0.6	4.6	0	0	30	01	0	6	1	1	0	18	3	0	0
	1730	142	1003.7	988.1	+0.6	34.5	20.9	11.3	13.4	26	+ 4	0.6	-0.9	4.8	0	0	30	01	1	1	1	0	0	26	0	0	0
GONDA	0830	110	1008.3	996.0	+0.7	27.4	19.1	12.9	14.9	43	+ 4	1.1	-0.2	4.5	0	0	29	03	0	13	0	0	0	1	12	1	0
	1730	110	1003.5	991.4	+0.3	33.9	19.9	9.1	11.5	24	+ 2	1.1	-0.3	4.6	0	0	27	00	0	5	0	0	0	9	13	3	0
LUCKNOW	0830	111	1007.3	994.9	+0.0	28.1	18.2	10.1	12.3	34	- 5	0.8	-0.3	2.0	0	0	22	00	0	9	0	0	0	13	0	8	0
	1730	111	1003.6	991.4	+0.3	34.7	20.2	8.9	11.4	22	- 1	0.1	-1.1	3.3	0	0	24	00	0	1	0	0	0	23	0	6	0
LUCKNOW (AMAUSI)	0230	128	1005.8	991.3	..	22.9	15.7	9.3	11.7	44	..	1.0	..	7.8	0	1	28	04	1	4	3	0	0	8	9	1	0
	0530	128	1006.3	991.1	..	20.9	15.2	10.1	12.3	50	..	1.6	..	7.2	0	0	27	02	1	4	1	1	1	11	6	3	0
	0830	128	1008.0	993.6	+0.5	27.2	17.9	10.3	12.5	36	+ 3	1.5	+0.3	15.0	0	10	18	03	2	5	2	1	1	2	12	2	0
	1130	128	1007.5	993.4	..	34.0	19.7	8.5	11.1	23	..	0.9	..	18.3	0	14	16	02	0	3	4	2	1	3	15	0	0
	1430	128	1004.4	990.8	..	35.8	20.0	9.5	11.9	18	..	1.9	..	21.8	0	20	9	02	0	2	1	0	1	8	15	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of normal standard isobaric level	Mean pressure in mbs.: At station level	Mean pressure in mbs.: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 62 or more	Wind Speed: 20 to 61	Wind Speed: 1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																											
LUCKNOW(AMAUSI). (CONTD.)	1730	128	1003.4	989.2	+0.3	34.9	19.4	6.2	9.5	18	+ 0	1.3	0.4	8.5	0	17	11	01	1	2	0	0	1	4	15	2	0
	2030	128	1005.4	991.1	..	29.2	17.7	8.0	10.7	28	..	0.7	..	8.3	0	4	22	01	3	2	0	0	0	10	10	4	0
	2330	128	1006.5	992.0	..	25.2	16.7	9.5	11.9	38	..	0.7	..	6.7	0	1	27	01	3	5	1	0	1	6	11	2	0
FAIZABAD	0830	102	1007.9	996.4	+0.3	26.3	19.0	13.2	15.2	46	+ 5	1.4	-0.1	5.9	0	0	29	03	2	4	4	0	1	14	1	1	0
	1730	102	1003.3	992.1	-0.1	33.4	20.4	9.7	12.0	26	+ 0	1.5	-0.4	8.3	0	1	27	01	1	3	1	0	0	20	2	2	0
GORAKHPUR	0830	77	1008.1	999.4	+1.9	27.5	19.7	14.0	16.0	46	+ 3	1.1	-0.2	2.9	0	0	29	02	1	12	0	1	2	9	2	1	0
	1730	77	1003.6	995.1	+0.7	34.2	20.9	10.7	12.9	26	+ 0	1.0	-0.4	3.5	0	0	27	02	2	3	0	0	0	16	4	3	0
GORKHPUR P.B.O	0230	78	..	..	..	..	..	..	..	..	..	0.5	..	8.1	0	3	21	02	3	4	2	0	1	9	3	6	0
	0530	78	..	..	..	..	..	..	..	..	..	0.8	..	8.3	0	3	23	03	5	4	2	1	2	7	2	4	0
	1130	78	..	..	..	..	..	..	..	..	..	1.3	..	14.1	0	8	21	03	1	5	4	1	2	7	6	[illegible]	0
	1430	78	..	..	..	..	..	..	..	..	..	1.3	..	14.9	0	11	19	00	2	3	4	3	1	10	7	0	0
	2030	78	..	..	..	..	..	..	..	..	..	0.9	..	7.1	0	1	20	01	3	2	4	0	0	8	3	9	0
	2330	78	..	..	..	..	..	..	..	..	..	1.2	..	7.5	0	2	19	01	1	4	4	1	1	7	2	9	0
KANPUR	0830	126	1008.3	994.0	+0.5	26.6	17.8	10.6	12.8	38	+ 5	0.8	-0.3	10.3	0	0	29	01	3	4	1	2	0	12	6	1	0
	1730	126	1003.9	990.1	+0.3	36.3	20.4	8.0	10.7	19	- 2	0.8	-0.7	11.4	0	1	28	01	1	3	0	0	0	17	7	1	0
KANPUR(AERODROME)	0530	126	1006.7	992.3	..	22.3	15.6	9.5	11.9	46	..	1.8	..	7.1	0	1	23	02	3	2	1	0	2	7	7	6	0
	0830	126	1008.4	994.3	..	27.9	18.2	9.9	12.2	35	..	1.5	..	14.3	0	7	22	03	2	1	4	2	1	10	6	1	0
	1130	126	1007.7	994.2	..	34.4	19.8	7.8	10.6	21	..	1.4	..	18.7	0	13	17	01	1	0	6	3	0	5	14	0	0
	1730	126	1003.7	990.0	..	35.9	19.8	5.7	9.1	17	..	1.6	..	15.5	0	12	18	02	0	1	0	1	0	10	16	0	0
	2330	126	1006.6	992.5	..	27.4	17.4	8.6	11.2	32	..	0.9	..	9.2	0	0	25	02	4	2	1	0	0	5	11	5	0
SULTANPUR	0830	97	1008.5	997.5	+0.3	27.8	18.7	11.8	13.8	39	+ 3	0.8	-0.6	4.4	0	0	28	00	3	4	2	0	3	12	4	2	0
	1730	97	1003.6	993.0	-0.1	36.1	21.4	10.8	12.9	22	- 1	1.2	-0.4	4.6	0	0	29	00	1	2	0	0	2	20	4	1	0
AZAMGARH	0830	78	1008.1	999.3	+1.1	27.6	22.3	18.5	21.3	61	+16	0.9	+0.3	8.3	0	0	30	01	2	7	0	0	2	17	1	0	0
	1730	78	1003.3	994.7	+0.5	35.1	25.7	20.6	24.3	45	+13	0.6	-0.1	5.9	0	0	27	03	2	1	0	1	0	20	0	3	0
FATEHPUR	0830	114	1008.7	995.9	+1.1	28.8	19.3	12.1	14.1	37	+ 0	0.6	-0.7	9.5	0	2	28	02	1	3	3	3	3	8	7	0	0
	1730	114	1003.7	991.3	+0.5	36.2	21.5	11.2	13.9	22	- 4	0.4	-1.2	14.3	0	8	21	01	2	1	1	0	0	3	21	1	0
BALLIA	0830	64	1008.8	1001.6	+1.1	28.0	21.1	16.7	19.0	53	+12	0.6	-0.8	3.4	0	0	23	00	0	9	1	0	1	12	0	7	0
	1730	64	1003.7	996.9	-0.1	34.9	23.0	16.0	18.2	33	+ 9	0.0	-1.2	1.7	0	0	19	00	0	4	0	0	0	15	0	11	0
BANDA	0830	121	1008.9	995.5	+0.8	29.8	19.4	11.7	13.7	34	- 1	0.3	-0.7	2.3	0	0	30	00	3	0	4	0	16	0	7	0	0
	1730	121	1003.6	990.4	+0.1	37.8	24.4	17.4	19.9	33	+10	0.4	-0.9	3.0	0	0	30	00	0	0	2	0	23	0	5	0	0
ALLAHABAD(BAMHRAULI)	0230	98	1006.0	994.9	..	24.5	18.1	13.6	15.6	52	..	0.3	..	1.8	0	0	15	00	3	1	0	0	2	7	2	15	0
	0530	98	1006.7	995.4	..	22.5	17.3	13.4	15.4	58	..	1.0	..	2.6	0	0	19	00	3	3	1	0	5	4	3	11	0
	0830	98	1008.6	997.6	+0.9	28.7	20.2	14.3	16.3	44	+14	1.1	-0.4	6.5	0	0	28	01	3	2	2	1	5	10	4	2	0
	1130	98	1008.1	997.3	..	35.5	22.8	14.6	16.6	32	..	1.1	..	10.6	0	5	24	02	2	2	2	0	1	12	8	1	0
	1430	98	1005.0	994.4	..	37.8	23.1	13.2	15.2	27	..	1.3	..	13.7	0	6	24	04	2	0	0	0	0	17	7	0	0
	1730	98	1003.7	993.0	+0.5	36.3	22.8	13.6	15.6	29	+14	1.0	-0.7	8.8	0	1	29	00	3	2	0	0	0	15	10	0	0
	2030	98	1005.6	994.7	..	30.5	20.3	13.6	15.6	37	..	0.4	..	3.1	0	0	22	01	5	0	0	0	0	11	5	8	0
	2330	98	1006.5	995.4	..	27.4	18.9	13.0	15.0	42	..	0.3	..	2.8	0	0	18	00	4	2	0	0	0	7	5	12	0
VARANASI(BABATPUR)	0530	85	1006.7	996.7	..	22.5	16.6	11.6	13.6	52	..	1.0	..	8.7	0	3	25	01	2	6	1	1	4	13	0	2	0
	0830	85	1008.5	998.8	+0.4	28.3	18.8	11.3	13.4	37	+ 6	0.1	-1.0	12.5	0	3	27	00	1	7	1	1	4	13	3	0	0
	1130	85	1007.8	998.2	..	34.0	20.4	9.9	12.2	25	..	1.1	..	19.1	0	12	17	00	2	3	2	1	0	9	12	1	0
	1730	85	1003.4	993.9	-0.2	35.6	20.2	7.7	10.5	20	+ 3	1.0	-0.5	16.3	0	6	24	03	4	0	0	0	0	11	12	0	0
	2330	85	1006.4	996.6	..	27.0	17.9	10.5	12.7	38	..	0.5	..	7.1	0	1	21	00	2	5	0	0	0	15	0	8	0
VARANASI	0830	76	1008.2	999.6	+0.7	26.9	20.7	15.8	17.9	49	+13	2.0	+0.7	2.9	0	0	30	00	1	6	1	0	1	19	2	0	0
	1730	76	1003.6	995.2	+0.1	36.3	23.8	16.2	18.4	34	+14	1.1	-0.4	3.5	0	0	28	00	0	3	0	0	0	23	2	2	0
UTTAR PRADESH WEST																											
MUKHIM	0830		..	..	..	16.8	10.4	5.4	8.4	45	+ 0	3.8	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	17.4	10.4	3.7	8.0	41	+ 4	4.1	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TEHRI	0830	770	..	..	..	19.3	14.1	10.0	12.3	55	+ 1	2.1	+0.2	2.5	0	0	20	12	4	1	2	0	0	0	1	10	0
	1130	770	..	..	..	27.1	16.2	7.4	10.3	29	..	2.6	..	2.6	0	0	23	03	6	4	1	2	2	3	2	7	0
	1730	770	..	..	..	29.1	16.4	5.7	9.2	25	+ 0	3.0	+0.2	9.5	0	2	26	01	0	2	6	8	3	5	3	2	0
DEHRA DUN	0530	682	1007.9	931.2	..	17.5	13.7	10.9	13.0	65	..	1.9	..	1.1	0	0	12	06	3	0	1	0	0	2	0	18	0
	0830	682	1008.2	932.7	+0.2	22.9	16.6	12.2	14.2	52	+ 9	2.0	+0.1	0.6	0	0	9	01	0	1	0	1	0	3	3	21	0
	1130	682	1007.4	933.3	..	27.9	18.6	12.6	14.9	39	..	2.6	..	2.0	0	0	23	00	0	0	1	5	11	3	3	7	0
	1730	682	1003.7	930.1	+0.3	29.2	19.2	13.1	15.1	37	+12	3.3	+0.5	2.3	0	0	25	00	1	0	1	2	8	10	3	5	0
	2330	682	1008.0	932.0	..	20.7	15.7	12.1	14.1	59	..	1.2	..	1.2	0	0	11	05	2	0	0	1	2	1	0	19	0
MANSIARI	0830		..	..	..	14.6	8.1	1.2	6.7	40	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	14.5	8.4	2.1	7.1	44	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ROORKEE	0830	274	1009.4	[illegible]	+1.8	24.1	16.5	10.2	12.4	43	+ 2	1.7	-0.3	1.6	0	0	22	00	0	0	3	0	0	0	19	8	0
	1730	274	1005.1	[illegible]	+2.1	32.5	18.7	7.6	10.4	23	+ 1	2.1	-0.4	2.6	0	0	28	00	0	0	0	0	0	0	28	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – APRIL 1967.(CHAITRA 11 – VAISAKHA 10,1889 SAKA)

SUB-DIVISION / AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or M. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST(CONTD.)																											
NAJIBABAD	0830	270	1009.1	978.6	+1.2	23.0	16.7	11.4	13.5	48	+ 6	2.4	+1.4	3.8	0	0	26	01	0	10	0	0	0	11	4	4	0
	1730	270	1004.9	975.3	+0.3	32.4	18.6	6.9	9.9	21	+ 1	2.7	+1.6	7.1	0	0	30	02	0	1	0	1	0	24	2	0	0
MEERUT	0830	222	1007.1	982.3	-0.6	25.8	18.6	13.4	15.4	47	+ 8	0.0	-0.5	3.7	0	0	24	00	2	5	2	0	0	9	6	6	0
BAREILLY	0830	173	1008.1	988.6	+1.1	26.5	19.1	14.1	16.0	47	+10	1.3	-0.1	14.0	0	6	24	00	0	5	2	1	3	14	5	0	0
	1730	173	1003.7	984.7	+0.4	33.7	21.2	13.0	15.0	29	+ 8	1.9	-0.1	8.4	0	2	26	03	0	1	0	0	4	18	2	2	0
BAREILLY P.B.O	0230	172	1005.9	986.2	..	24.0	15.6	9.5	11.9	41	..	1.4	..	8.1	0	0	29	04	1	2	5	0	0	7	10	1	0
	0530	172	1006.4	986.7	..	22.1	15.1	10.2	12.4	47	..	2.5	..	5.9	0	0	26	02	1	5	2	0	0	9	7	4	0
	1130	172	1007.8	988.7	..	32.1	18.9	10.4	12.6	27	..	2.0	..	13.0	0	6	24	01	1	4	4	1	0	1	18	0	0
	1430	172	1005.2	986.0	..	34.5	19.4	9.6	12.0	23	..	2.2	..	15.0	0	8	21	01	1	1	3	0	2	7	14	1	0
	2030	172	1005.6	986.3	..	29.7	17.0	8.6	11.2	28	..	0.9	..	7.5	0	1	26	00	3	1	2	0	0	11	10	3	0
	2330	172	1006.4	986.9	..	26.2	16.1	8.9	11.4	35	..	1.3	..	6.8	0	0	27	03	1	1	2	1	0	10	9	3	0
ALIGARH	0830	187	1009.2	988.1	+1.7	25.6	17.4	10.6	12.8	39	+ 3	2.2	+0.9	7.4	0	0	29	02	0	2	3	2	2	9	9	1	0
	1730	187	1004.9	984.3	+1.4	34.2	19.5	8.2	10.9	20	+ 1	2.4	+0.4	7.3	0	0	30	03	1	1	0	0	1	16	8	0	0
MAINPURI	0830	157	1009.0	991.3	+1.3	27.3	18.9	12.8	14.8	41	+ 4	0.9	-0.5	8.1	0	6	24	00	1	1	5	0	0	23	0	0	0
	1730	157	1004.8	987.7	+1.5	35.3	21.8	13.1	15.1	28	+ 5	1.5	-0.3	5.4	0	3	26	00	0	2	0	0	0	26	1	1	0
AGRA	0830	169	1009.3	990.3	+1.2	27.4	20.6	16.4	18.6	52	+20	0.3	-0.9	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	169	1004.8	986.3	+0.9	35.4	26.2	21.8	26.1	47	+29	2.6	+0.6	..	.	..	..	..	..	..	..	..	..	..	..	..	..
AGRA AERODROME	0230	169	1006.9	987.6	..	22.5	16.8	12.4	14.4	54	..	1.6	..	4.9	0	2	13	05	4	2	0	2	0	0	2	15	0
	0530	169	1007.5	988.1	..	20.2	15.8	12.3	14.3	62	..	2.3	..	8.7	0	1	23	04	3	0	2	3	0	3	9	6	0
	0830	169	1009.1	990.1	..	26.9	18.4	11.9	13.9	40	..	2.2	..	11.5	0	4	22	06	1	0	3	3	0	3	10	4	0
	1130	169	1008.8	990.2	..	34.7	21.1	11.1	13.2	25	..	1.8	..	17.1	0	7	22	11	1	0	2	4	0	0	11	1	0
	1730	169	1004.6	986.2	..	35.2	21.3	10.5	12.7	25	..	2.3	..	17.6	0	9	21	12	1	1	0	0	0	3	12	0	1
	2330	169	1007.3	988.1	..	24.9	18.2	13.2	15.2	49	..	1.3	..	5.9	0	0	21	08	5	2	2	1	0	1	2	9	0
ORAI	0830	141	1008.7	993.0	+0.1	30.5	22.6	18.1	20.8	48	+11	1.2	+0.0	3.6	0	0	30	06	8	1	2	0	1	1	11	0	0
	1730	141	1004.6	989.2	+0.5	35.3	22.2	13.8	15.8	29	+ 1	0.2	-1.4	2.5	0	0	30	10	9	0	0	0	0	0	11	0	0
JHANSI	0830	251	1009.0	981.2	+1.0	28.8	16.9	6.0	9.3	24	- 3	0.9	-0.3	0.7	0	0	10	03	0	0	0	1	0	6	0	20	0
	1730	251	1003.5	976.4	+0.3	37.0	19.8	5.3	8.9	14	- 2	1.8	-0.1	1.5	0	0	16	03	0	2	0	0	0	11	0	14	0
HARYANA(INCLUDING DELHI AND CHANDIGARH)																											
CHANDIGARH	0830	347	1007.8	968.4	+0.1	23.5	15.9	9.5	11.9	43	+ 5	1.5	+0.4	1.2	0	0	11	00	0	0	4	0	0	0	7	19	0
	1730	347	1004.4	966.1	-0.1	31.4	18.0	6.6	9.7	22	- 3	2.1	+1.4	4.8	0	0	25	00	0	0	1	0	22	0	2	5	0
AMBALA	0830	272	1008.0	977.4	+0.8	23.4	16.6	11.2	13.3	47	+ 6	1.5	-0.1	1.1	0	0	11	00	1	0	3	0	0	3	4	19	0
	1730	272	1005.3	977.5	+3.6	32.6	19.5	9.1	11.5	25	+ 3	0.8	-1.0	3.9	0	0	25	00	4	0	10	0	4	1	6	5	0
AMBALA P.B.O	0230	278	1005.7	975.4	..	23.7	16.3	11.4	13.5	46	..	1.6	..	7.2	0	22	0	03	0	1	1	0	0	0	17	8	0
	0530	278	1006.3	975.3	..	21.7	15.3	11.1	13.2	52	..	1.7	..	5.3	0	1	16	00	0	1	3	0	0	0	13	13	0
	1130	278	1008.3	977.5	..	30.1	18.3	10.9	13.0	31	..	2.5	..	11.4	0	6	19	01	0	0	7	0	0	2	15	5	0
	1430	278	1006.2	975.6	..	32.1	18.4	9.2	11.6	25	..	3.0	..	11.1	0	7	20	00	0	0	3	0	0	5	19	3	0
	2030	278	1006.4	975.5	..	28.3	17.8	11.2	13.3	35	..	2.2	..	7.9	0	1	22	00	0	0	1	0	0	3	19	7	0
	2330	278	1007.3	976.1	..	25.9	17.1	11.7	13.7	42	..	1.8	..	8.9	0	3	20	01	0	1	0	0	0	1	20	7	0
AMBALA AERODROME	0530	274	1007.0	975.5	..	18.9	14.6	11.1	13.2	62	..	2.2	..	6.2	0	0	17	01	0	1	2	0	0	3	10	13	0
	0830	274	1008.3	977.3	..	24.6	17.0	11.9	13.9	46	..	2.5	..	12.1	0	3	23	01	2	5	2	0	0	5	11	4	0
	1130	274	1008.2	977.8	..	30.9	19.4	10.9	13.0	30	..	2.8	..	21.3	0	16	12	00	0	3	5	0	0	5	15	2	0
	1730	274	1004.5	974.4	..	31.5	19.4	9.6	11.9	26	..	3.2	..	22.0	0	15	13	01	0	0	1	1	1	10	14	2	0
	2330	274	1007.5	976.4	..	22.8	16.3	11.6	13.6	51	..	1.7	..	11.5	0	5	19	02	0	2	2	0	0	6	12	6	0
KARNAL	0830	248	1009.1	981.1	+1.6	25.8	17.6	11.3	13.4	41	- 4	1.1	-0.2	4.1	0	0	29	00	0	1	1	0	0	4	23	1	0
	1730	248	1004.8	977.4	+0.6	31.8	19.0	8.6	11.2	25	+ 4	2.7	+0.7	4.5	0	0	27	00	0	1	1	0	0	9	16	3	0
HISSAR	0530	221	1007.7	982.3	..	20.1	16.8	14.5	16.5	70	..	2.3	..	3.8	0	0	27	06	2	1	3	3	6	5	1	3	0
	0830	221	1009.5	984.4	+1.3	24.4	19.4	16.3	18.5	61	+15	2.3	+1.2	2.9	0	0	24	03	2	1	6	4	6	2	0	6	0
	1130	221	1009.1	984.6	..	31.9	23.3	18.3	21.0	45	..	2.6	..	6.0	0	0	30	06	1	3	2	3	5	5	5	0	0
	1430	221	1006.7	982.5	..	34.4	24.5	18.7	21.6	41	..	2.9	..	8.1	0	0	29	03	2	1	0	0	5	12	6	1	0
	1730	221	1005.3	981.1	+0.4	33.9	23.4	17.0	19.4	38	+11	2.9	+1.2	5.9	0	0	29	02	1	0	0	0	6	12	8	1	0
	2330	221	1008.7	982.9	..	24.2	18.9	15.2	17.3	57	..	1.2	..	4.2	0	1	25	09	4	3	1	0	3	2	4	4	0
NEW DELHI/SAFDARJUNG	0230	216	1007.2	982.7	..	23.7	16.5	10.7	12.9	45	..	2.4	..	8.9	0	5	17	02	2	0	2	0	2	3	11	8	0
	0530	216	1007.4	982.7	..	21.7	15.7	10.9	13.0	51	..	2.8	..	7.6	0	1	22	01	0	3	1	1	1	9	7	7	0
	0830	216	1009.1	984.6	+1.4	25.2	17.3	11.2	13.3	42	+10	2.5	+1.0	12.0	0	3	25	01	0	1	4	0	4	14	4	2	0
	1130	216	1008.7	984.8	..	31.7	19.1	9.1	11.5	26	..	2.2	..	16.3	0	13	16	02	0	1	4	0	1	6	15	1	0
	1430	216	1006.3	982.6	..	34.0	19.6	7.8	10.6	21	..	3.3	..	19.0	0	14	15	03	0	1	1	3	1	6	14	1	0
	1730	216	1004.9	981.1	+1.4	33.4	19.1	7.3	10.2	21	+ 5	3.5	+1.2	18.6	0	13	17	02	2	1	0	1	0	6	18	0	0
	2030	216	1006.4	982.3	..	28.9	18.3	9.8	12.1	31	..	2.1	..	10.6	0	4	24	05	2	1	0	1	1	0	18	2	0
	2330	216	1007.5	983.1	..	25.9	17.3	10.3	12.5	39	..	2.0	..	9.2	0	4	20	04	1	1	1	0	3	1	12	6	1
PALAM AERODROME	0230	233	1007.5	981.0	..	22.7	16.3	11.1	13.2	49	..	2.4	..	8.2	0	2	20	05	4	2	2	2	2	2	3	8	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or lt. in gen. of lowest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HARYANA(INCLUDING DELHI AND CHANDIGARH) (CONTD.)																											
PALAM AERODROME...(CONTD.).....	0530	233	1008.0	981.0	..	20.1	15.3	11.4	13.5	58	..	2.4	..	6.5	0	0	22	04	1	0	2	1	6	7	1	8	0
	0830	233	1009.3	982.9	..	24.7	17.6	12.1	14.1	46	..	2.5	..	10.8	0	2	26	03	1	0	3	1	2	8	10	2	0
	1130	233	1008.9	983.2	..	32.3	19.8	10.1	12.3	27	..	2.5	..	14.9	0	8	22	09	3	1	2	1	2	3	9	0	0
	1430	233	1006.5	981.1	..	34.7	20.4	8.8	11.3	23	..	3.3	..	20.4	0	16	14	11	1	1	2	0	1	5	9	0	0
	1730	233	1005.0	979.5	..	33.9	19.7	7.5	10.4	22	..	3.5	..	18.4	0	12	18	10	1	2	1	1	0	3	12	0	0
	2030	233	1006.7	980.6	..	29.0	18.4	10.0	12.3	32	..	2.3	..	9.1	0	1	27	10	6	5	1	0	1	2	3	2	0
	2330	233	1007.5	981.5	..	25.6	16.7	10.6	12.8	41	..	2.1	..	9.8	0	2	23	05	6	5	2	0	2	1	4	5	0
PUNJAB																											
PATHANKOT.....	0530	312	1007.8	973.1	..	18.7	14.0	10.9	13.0	61	..	3.0	..	7.8	0	2	19	02	11	2	2	1	0	0	3	9	0
	0830	312	1009.1	973.8	+0.8	24.1	16.5	9.8	12.1	44	+10	3.5	+0.6	8.4	0	1	23	01	13	5	0	2	2	1	0	6	0
	1130	312	1007.8	974.2	..	29.4	18.4	8.7	11.2	28	..	4.0	..	13.8	0	3	25	04	1	3	4	2	7	4	3	2	0
	1730	312	1005.5	971.2	+0.0	30.6	17.7	6.3	9.5	22	- 2	4.2	+0.1	20.6	0	12	18	02	2	0	1	1	7	15	2	0	0
	2330	312	1008.5	973.4	..	21.9	15.7	10.5	12.7	50	..	3.0	..	9.5	0	2	19	05	11	4	1	0	0	0	0	9	0
AMRITSAR.....	0530	234	1008.1	981.0	..	17.5	14.8	12.7	14.7	74	..	2.9	..	12.2	0	7	19	08	3	4	3	1	0	2	5	4	0
	0830	234	1009.3	982.6	+0.9	23.1	17.1	12.7	14.7	53	+ 5	4.0	+1.8	11.9	0	5	23	07	5	3	3	1	1	2	6	2	0
	1130	234	1009.4	983.3	..	29.6	18.8	10.0	12.3	31	..	3.7	..	16.5	0	13	16	05	6	3	1	3	0	2	9	1	0
	1430	234	1007.4	981.6	..	31.9	18.8	8.1	10.8	24	..	3.9	..	19.1	0	15	15	03	1	1	2	3	2	1	17	0	0
	1730	234	1006.1	980.2	+1.1	31.0	18.5	8.3	10.9	26	+ 3	4.1	+1.5	17.1	0	10	20	04	0	0	2	2	3	6	13	0	0
	2030	234	1007.7	981.2	..	24.4	18.2	13.9	15.9	53	..	3.5	..	12.1	0	6	23	04	2	1	0	2	0	8	12	1	0
ADAMPUR AERODROME.....	0830	249	1009.1	980.8	..	22.8	17.4	13.6	15.6	58	..	3.2	..	8.6	0	3	14	06	0	0	3	3	0	2	3	13	0
	1730	249	1005.9	978.7	..	29.9	19.2	11.4	13.5	33	..	3.8	..	13.8	0	2	26	05	0	1	0	3	0	10	9	2	0
LUDHIANA.....	0830	247	1009.1	981.2	+1.1	23.9	17.2	12.3	14.3	49	+ 2	2.3	+0.6	2.5	0	0	14	02	3	2	3	0	0	0	4	16	0
	1730	247	1005.6	978.5	+1.2	32.2	19.0	8.7	11.2	24	- 3	3.0	+0.8	6.5	0	0	28	04	3	0	0	1	4	0	16	2	0
FEROZEPUR.....	0830	200	1010.5	987.6	+2.5	23.4	18.2	14.7	16.7	60	+ 5	1.8	+0.4	4.1	0	1	19	09	1	0	2	2	1	0	5	10	0
	1730	200	1008.2	986.0	+3.4	31.4	20.0	11.8	13.8	33	+ 2	1.7	+0.0	3.7	0	0	29	11	0	1	0	1	0	1	15	1	0
HALWARA AERODROME.....	0530	242	1008.1	980.1	..	16.2	13.9	12.1	14.1	77	..	2.7	..	5.2	0	0	20	07	2	2	1	3	1	1	3	10	0
	0830	242	1009.0	981.6	..	23.8	17.5	12.9	14.9	51	..	3.2	..	12.6	0	7	18	07	2	1	4	1	2	1	7	5	0
	1130	242	1009.0	982.2	..	30.6	19.1	10.7	12.9	30	..	3.5	..	17.6	0	9	19	07	2	1	3	3	2	2	8	2	0
	1730	242	1005.9	979.2	..	31.0	19.0	10.0	12.3	28	..	3.5	..	18.5	0	11	18	05	0	0	1	2	3	3	15	1	0
	2330	242	1008.1	984.1	..	19.8	15.9	12.8	14.8	64	..	2.5	..	7.1	0	1	21	10	2	1	3	0	0	1	5	8	0
PATIALA.....	0830	251	1009.1	980.8	+0.9	24.1	17.1	11.9	13.9	45	+ 5	1.8	-0.1	7.3	0	2	17	04	1	0	4	0	0	0	10	11	0
	1730	251	1006.0	978.5	+1.6	31.9	19.3	9.0	11.5	25	+ 5	3.2	+0.4	9.3	0	2	18	04	0	0	2	0	0	0	14	10	0
BHATINDA.....	0830	211	1009.1	985.9	..	26.7	19.7	15.1	17.1	50	- 1	0.9	-0.4	2.9	0	0	19	00	4	1	4	0	3	0	7	11	0
	1730	211	1006.0	982.7	..	32.0	21.0	13.9	15.8	34	- 3	0.2	-1.6	3.3	0	0	26	00	0	0	1	0	1	0	24	4	0
HIMACHAL PRADESH																											
MANDI.....	0830	761	1010.7	925.5	+0.4	18.0	14.7	12.2	14.2	70	+ 3	2.3	+0.0	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730	761	1005.0	922.8	+0.7	27.3	17.2	9.6	11.9	35	- 3	2.5	-0.8	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
BILASPUR.....	0830	587	1010.6	944.0	-0.1	19.3	15.6	13.0	15.0	68	+15	2.0	-0.8	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730	587	1004.9	941.5	+0.6	29.2	18.6	11.5	13.6	36	+11	2.9	-0.8	2.5	0	0	21	02	0	2	1	0	3	7	6	9	0
JAMMU AND KASHMIR																											
MISGAR.....	0830		(R)																								
	1730		(R)																								
GILGIT.....	0830		(R)																								
	1730		(R)																								
SKARDU.....	0830		(R)																								
	1730		(R)																								
LEH.....	0530	3514	(R)																								
	0830	3514	..	..	..	4.7	1.0	- 4.4	4.2	56	+ 6	2.7	-1.0	2.6	0	0	29	00	3	0	0	0	26	0	0	0	0
	1730	3514	..	..	..	10.3	4.8	- 1.0	5.6	47	+15	4.9	+0.0	8.1	0	0	29	01	9	0	1	2	9	6	1	0	0
SRINAGAR.....	0230	1587	1501.8	840.2	..	9.5	8.0	6.5	9.7	81	..	3.4	..	2.3	0	0	16	01	4	0	2	0	0	1	8	10	0
	0530	1587	1501.3	841.5	..	8.2	7.6	6.0	9.3	85	..	3.4	..	2.9	0	0	18	01	3	0	6	0	2	1	5	8	0
	0830	1587	1513.9	842.8	-0.2	10.4	8.3	6.3	9.5	76	- 1	4.6	+0.6	2.4	0	0	22	00	0	0	11	0	1	2	8	8	0
	1130	1587	1513.4	842.9	..	15.4	10.1	6.1	9.4	56	..	4.0	..	3.7	0	0	28	02	2	0	10	1	2	2	9	2	0
	1430	1587	1495.5	840.6	..	17.6	11.4	6.1	9.4	49	..	4.9	..	4.7	0	0	28	01	0	0	6	0	0	7	14	2	0
	1730	1587	1483.8	840.0	-0.4	17.3	10.6	4.6	9.1	45	- 8	5.5	+0.3	5.4	0	0	28	01	1	0	5	0	0	4	17	2	0
	2030	1587	1495.5	841.4	..	13.5	10.0	6.9	9.9	66	..	4.8	..	3.4	0	0	20	00	0	0	6	0	1	1	12	10	0
	2330	1587	1504.1	841.8	..	11.6	9.1	6.8	9.9	73	..	4.4	..	2.3	0	0	16	01	0	0	4	0	0	2	9	11	0
SRINAGAR AERODROME.....	0530	1666	1503.0	833.7	..	7.3	5.7	4.0	8.1	79	..	3.8	..	2.1	0	0	9	04	0	0	0	0	1	2	2	21	0
	0830	1666	1513.1	835.0	..	10.3	7.6	5.5	9.0	72	..	4.9	..	2.8	0	0	14	01	1	1	1	1	2	3	4	16	0
	1130	1666	1512.5	835.1	..	14.5	10.0	6.3	9.5	58	..	4.5	..	5.7	0	1	19	03	1	2	2	0	1	0	11	10	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1967. (CHAITRA 11 - VAISAKHA 10, 1889 SAKA)

SUB-DIVISION / AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or fr. in gpts. of mean standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Kts. per hour	No. of observations: Wind Speed (Kts. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD.)																											
SRINAGAR AERODROME (CONTD.)	1730	1666	1482.9	832.6	..	16.7	10.3	4.3	8.3	47	..	5.5	..	10.9	0	4	19	04	1	0	1	1	0	4	12	7	0
	2330	1666	1500.9	834.1	..	10.3	8.0	5.5	9.3	72	..	4.2	..	2.3	0	0	14	00	0	0	2	2	0	5	5	16	0
GULMARG	0830	2655	Functioning from June to September only																								
	1730	2655																									
QAZIGUND	0830	1690	..	..	..	10.7	7.9	5.4	8.9	71	..	4.7	..	2.0	0	0	14	01	1	2	2	1	0	7	0	16	0
	1730	1690	..	..	..	16.8	10.6	5.1	8.8	48	..	5.9	..	3.6	0	0	20	01	1	1	1	2	4	9	1	10	0
BANIHAL	0830		..	..	..	12.0	8.6	5.3	8.9	66	..	3.7	..	2.6	0	0	9	00	0	0	0	3	0	0	6	21	0
	1730		..	..	..	18.5	11.2	4.5	8.4	41	..	5.3	..	5.3	0	0	21	00	0	0	0	14	0	0	7	9	0
JAMMU	0830	366	1009.0	967.4	..	21.5	16.4	12.4	14.4	57	+15	3.2	+0.7	4.8	0	0	27	01	26	0	0	0	0	0	0	3	0
	1730	366	(R)																								
JAMMU AERODROME	0530	292	1008.2	974.6	..	20.1	14.6	9.7	12.0	53	..	3.3	..	6.5	0	0	19	07	11	0	0	0	0	0	1	11	0
	0830	292	1009.1	975.8	..	23.1	16.2	10.5	12.7	46	..	3.9	..	8.2	0	2	22	05	11	4	1	1	0	2	0	6	0
	1130	292	1009.3	976.6	..	28.7	18.6	10.7	12.9	35	..	4.0	..	10.5	0	6	19	02	3	0	3	4	1	8	4	5	0
	1730	292	1006.1	973.6	..	29.9	18.2	8.6	11.2	28	..	4.2	..	7.5	0	1	22	00	1	0	0	2	6	11	2	7	1
	2330	292	1008.8	975.4	..	22.2	15.9	11.0	13.0	51	..	3.3	..	7.2	0	1	13	00	10	1	1	0	1	1	0	16	0
GULMARG (RESEARCH INSTITUTE)	0830		..	..	..	4.0	2.0	- 0.8	5.7	75	..	5.1	..	..	.	..	..	00	4	7	1	2	1	13	2	0	0
	1130		..	..	..	6.6	4.7	0.8	6.5	75	..	5.4	..	..	.	..	..	02	8	9	0	0	1	6	2	0	2
	1730		..	..	..	6.5	4.1	1.3	6.7	73	..	6.5	..	..	.	..	..	00	1	7	2	2	0	15	1	0	2
RAJASTHAN, WEST																											
GANGANAGAR	0530	177	1007.6	987.3	..	20.7	16.1	12.6	14.6	61	..	1.0	..	0.3	0	0	3	00	0	1	1	0	1	0	0	27	0
	0830	177	1009.0	988.9	+1.3	24.1	17.5	12.4	14.4	49	+ 8	1.2	-0.1	3.0	0	0	26	01	7	5	5	3	2	3	0	4	0
	1130	177	1009.1	989.4	..	31.8	19.4	10.1	12.3	28	..	1.7	..	3.7	0	1	25	00	6	0	5	0	7	0	8	4	0
	1730	177	1005.6	986.0	+1.4	33.4	19.9	9.4	11.9	24	+ 2	2.3	+0.9	2.9	0	0	20	02	1	0	2	1	4	4	6	10	0
	2330	177	1008.0	987.9	..	24.6	17.4	12.1	14.1	48	..	0.6	..	0.8	0	0	7	00	4	0	2	0	1	0	0	23	0
ANUPGARH	0830	154	(R)																								
	1730	154	(R)																								
MAHAJAN	0830	187	1007.6	986.2	..	25.8	20.2	17.0	19.2	58	..	0.2	..	5.6	0	1	26	05	0	9	3	3	4	3	0	1	0
	1730	187	1002.8	982.7	..	34.2	23.1	16.6	18.9	37	..	0.0	..	6.0	0	1	26	01	0	1	1	2	9	11	2	0	0
CHURU	0830	291	..	..	..	25.9	16.6	8.4	11.0	35	- 5	2.4	+0.7	6.3	0	2	23	01	0	8	2	2	5	7	0	5	0
	1730	291	..	..	..	34.1	18.3	2.8	7.5	16	- 5	2.8	+0.0	9.3	0	5	24	07	1	0	2	0	2	13	4	1	0
BIKANER	0830	224	1009.2	983.9	+1.3	25.6	16.3	8.0	10.7	35	+ 6	1.9	+1.1	4.4	0	1	19	01	1	5	1	3	6	2	1	10	0
	1730	224	1005.2	980.7	+1.5	34.6	18.1	2.1	7.1	14	- 1	2.8	+1.3	8.2	0	4	20	03	1	0	0	2	7	6	5	6	0
BIKANER P.B.O. (See foot-note)	0530	224	1007.8	982.2	..	21.6	15.1	9.6	11.9	49	..	2.9	..	2.0	0	0	12	02	2	0	0	3	4	1	0	18	0
	1130	224	1009.0	984.3	..	33.5	19.8	9.0	11.4	23	..	2.4	..	5.6	0	0	28	00	3	3	4	6	5	3	3	2	1
	1430	224	1006.6	982.1	..	35.7	20.1	6.8	9.7	20	..	3.3	..	7.5	0	1	29	04	2	0	1	4	6	6	7	0	0
	2330	224	1007.9	982.7	..	26.5	17.0	9.0	11.5	35	..	1.7	..	3.4	0	0	17	03	1	1	0	4	4	2	2	13	0
NAGAUR	0830	298	1009.4	976.1	+1.0	27.4	19.6	14.1	16.1	45	+ 9	2.6	+1.1	6.5	0	0	28	01	2	2	3	6	8	5	1	2	0
	1730	298	1004.9	972.5	+0.7	34.6	24.0	17.9	20.5	40	+18	3.1	+0.5	8.6	0	0	30	04	0	0	0	2	7	10	7	0	0
PHALODI	0830	234	1010.1	983.7	+1.5	22.7	17.9	11.7	13.7	44	+ 1	2.0	+0.8	10.0	0	2	27	00	2	2	4	5	9	6	1	1	0
	1730	234	1007.2	981.6	+2.2	35.2	21.4	11.5	13.6	27	+ 1	2.8	+0.7	12.0	0	4	26	03	1	0	0	5	8	10	3	0	0
JAISALMER	0830	242	1008.7	981.0	+0.0	25.5	18.2	13.0	15.0	48	- 8	2.6	+1.9	7.9	0	2	28	00	0	3	4	13	10	0	0	0	0
	1730	242	1006.0	978.6	+1.0	35.2	22.4	14.3	16.3	30	- 9	3.5	+2.2	8.3	0	1	27	02	1	0	0	10	10	3	2	2	0
JODHPUR	0230	224	1007.8	982.7	..	25.5	16.3	8.0	10.7	33	..	1.6	..	7.0	0	0	25	02	3	0	0	0	4	13	3	5	0
	0530	224	1008.0	982.2	..	23.5	15.5	8.1	10.8	39	..	1.9	..	6.2	0	0	22	02	5	0	0	0	3	10	2	8	0
	0830	224	1009.9	984.6	+1.1	25.4	16.9	9.8	12.1	39	+ 8	2.4	+1.1	7.5	0	0	25	01	6	1	2	0	6	7	1	5	1
	1130	224	1009.6	984.9	..	33.5	19.1	6.8	9.9	21	..	2.5	..	12.2	0	1	29	01	2	0	2	1	9	11	4	0	0
	1430	224	1007.3	982.8	..	36.7	19.2	3.3	7.7	11	..	2.6	..	12.9	0	4	26	00	3	1	1	3	7	12	3	0	0
	1730	224	1005.8	981.3	+1.6	35.9	18.9	3.2	7.7	14	- 1	3.2	+1.2	13.9	0	3	27	03	1	1	0	1	7	14	3	0	0
	2030	224	1007.3	982.3	..	30.7	18.5	8.5	11.1	26	..	2.3	..	0.8	0	1	26	01	1	0	0	1	8	10	3	3	1
	2330	224	1008.3	983.5	..	27.5	17.3	8.7	11.2	32	..	1.4	..	6.9	0	0	26	03	0	3	0	0	4	14	2	4	0
BARMER	0530	194	1007.1	985.3	..	25.9	17.5	10.6	12.8	41	..	1.8	..	7.1	0	0	27	01	0	0	0	1	4	13	8	3	0
	0830	194	1009.4	987.5	+1.2	27.2	18.8	12.7	14.7	43	- 3	2.0	+0.8	3.6	0	0	24	01	2	0	1	1	6	9	4	6	0
	1130	194	1009.5	988.1	..	33.8	21.3	12.9	14.8	30	..	2.4	..	4.7	0	0	30	02	3	1	4	2	9	8	1	0	0
	1730	194	1005.5	984.3	+1.5	36.0	22.1	13.0	15.0	27	+ 2	2.7	+1.0	3.8	0	0	26	00	0	1	0	1	13	6	5	4	0
	2330	194	1008.2	986.5	..	30.2	19.3	10.9	13.0	33	..	1.7	..	6.1	0	0	28	00	0	0	0	3	12	9	4	2	0
ERINPURA (JAWAI DAM)	0830	295	1008.4	975.4	-0.9	25.8	19.6	15.0	17.0	54	+ 5	2.2	+0.6	1.6	0	0	19	00	0	0	6	6	6	1	0	11	0
	1730	295	1005.1	972.9	+0.1	34.0	21.9	14.1	16.1	32	- 3	2.3	+0.0	3.6	0	0	26	02	1	0	1	1	11	7	3	4	0
RAJASTHAN, EAST																											
PILANI	0830	301	1010.0	974.1	+0.8	24.8	16.5	9.5	11.9	39	+ 7	2.0	+1.1	7.5	0	2	25	02	2	2	4	4	8	4	1	3	0
	1730	301	1005.7	972.9	-0.2	33.8	18.3	4.0	8.1	17	- 2	3.3	+1.8	15.1	0	12	18	02	1	0	0	0	4	9	14	0	0

8080 hrs. data at the end of the table III.

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lt. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															21 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN, EAST (CONTD.)																											
SIKAR	0830	433	1009.3	961.3	+1.2	26.4	15.6	7.8	10.6	33	-17	0.7	-0.6	0.5	0	0	6	00	0	0	4	0	0	2	0	24	0
	1730	433	1004.3	957.9	+0.6	33.8	18.2	3.1	7.6	17	-20	1.3	-1.1	2.5	0	0	24	00	0	1	0	1	1	8	13	6	0
ALWAR	0830	271	1008.3	978.0	+0.4	26.1	20.4	16.7	19.0	58	+18	1.9	+0.3	2.2	0	0	17	03	3	1	2	4	1	0	3	13	0
	1730	271	1004.1	974.6	-0.1	34.5	25.2	19.9	23.2	47	+24	3.3	+0.4	2.9	0	0	26	04	0	0	1	1	5	1	14	4	0
JAIPUR (SANGANER)	0230	390	1007.0	963.1	..	23.0	15.2	7.9	10.6	42	..	1.7	..	5.3	0	0	28	13	5	3	1	0	0	1	5	2	0
	0530	390	1007.8	963.4	..	22.0	14.8	8.2	10.8	43	..	2.4	..	4.0	0	0	22	07	5	4	1	0	0	1	4	8	0
	0830	390	1008.8	965.5	+0.4	27.3	17.2	8.3	11.0	32	+ 3	2.3	+1.1	5.8	0	0	23	03	2	5	2	0	0	4	7	7	0
	1130	390	1008.3	965.8	..	33.0	18.9	7.0	10.0	18	..	1.9	..	10.9	0	3	27	02	1	0	3	2	3	9	10	0	0
	1430	390	1005.5	963.4	..	35.2	19.5	6.4	9.6	18	..	2.3	..	13.0	0	7	23	05	2	0	0	1	4	8	10	0	0
	1730	390	1004.2	962.1	+0.4	34.4	19.1	6.0	9.3	19	+ 1	3.0	+0.9	12.3	0	8	21	02	1	0	0	0	1	7	18	1	0
	2030	390	1006.6	963.5	..	28.3	17.2	7.7	10.5	28	..	2.0	..	5.1	0	0	28	10	2	0	0	0	0	6	10	2	0
	2330	390	1007.8	964.3	..	25.1	15.8	7.4	10.3	34	..	1.6	..	6.7	0	1	28	09	4	2	0	0	0	2	12	1	0
DHOLPUR	0830	176	1009.1	989.2	-0.6	27.6	18.9	12.5	14.5	40	- 2	0.2	-1.4	2.1	0	0	17	02	0	0	0	1	0	10	4	13	0
	1730	176	1004.1	984.3	+0.3	36.3	23.1	14.7	16.7	28	- 1	0.2	-1.8	3.6	0	0	20	02	0	0	0	0	0	11	7	10	0
AJMER	0830	486	1009.7	955.8	+0.9	25.9	17.9	12.7	14.7	45	+14	2.9	+1.5	6.3	0	2	21	02	5	0	2	2	6	6	0	7	0
	1730	486	1004.8	952.5	+0.9	33.7	20.2	11.1	13.2	27	+10	2.4	+0.3	11.7	0	4	26	02	0	0	1	0	6	12	9	0	0
TONK	0830	272	1008.6	978.2	+0.7	27.4	18.1	9.2	11.6	35	- 7	2.1	+0.6	5.9	0	0	30	03	0	4	1	4	2	15	1	0	0
	1730	272	1003.1	973.8	+0.4	36.3	21.5	10.2	12.4	22	- 6	2.3	-0.2	7.5	0	0	30	00	0	0	0	0	1	13	16	0	0
BHILWARA	0830	425	1009.9	962.7	..	26.3	16.6	8.0	10.7	33	..	2.8	..	5.1	0	0	26	01	3	0	3	0	11	1	7	4	0
	1730	425	1005.1	959.3	..	34.1	18.2	3.1	7.6	15	..	3.0	..	6.3	0	0	28	04	2	0	0	2	1	1	17	2	1
KOTA	0830	257	1009.3	980.6	+0.8	29.1	18.3	9.8	12.1	31	+ 7	1.7	+0.4	5.1	0	2	13	02	0	0	0	0	1	5	7	15	0
	1730	257	1004.7	976.8	+1.1	36.1	20.3	7.9	10.6	19	+ 6	2.5	+0.5	9.7	0	6	19	02	0	0	0	0	1	5	17	5	0
KOTA AERODROME	0530	274	1007.7	976.9	..	25.3	15.5	6.0	9.3	31	..	1.3	..	6.4	0	0	26	03	2	0	0	0	4	15	2	4	0
	0830	274	1009.5	979.1	..	29.2	16.8	4.9	8.7	23	..	1.6	..	7.9	0	4	23	03	3	2	0	0	2	11	6	3	0
	1130	274	1009.2	979.2	..	34.3	18.5	3.9	8.0	16	..	1.0	..	11.1	0	7	21	02	5	4	3	1	0	3	10	2	0
	1730	274	1004.7	975.1	..	36.5	18.9	1.6	6.9	13	..	2.5	..	11.5	0	4	26	09	6	1	0	0	0	6	8	0	0
	2330	274	1007.7	977.1	..	29.2	16.5	4.6	8.5	23	..	0.9	..	8.8	0	3	22	02	1	0	0	2	1	14	5	5	0
CHAMBAL (RAWAT BHATTA DAM)	0830	357	1008.2	969.1	-1.0	26.7	18.2	11.6	13.6	39	+ 6	0.8	-0.6	1.5	0	0	9	00	1	0	1	1	0	2	4	21	0
	1730	357	1003.3	965.7	-0.6	35.3	21.7	12.2	14.2	26	- 1	1.0	-1.6	10.1	0	0	29	04	0	0	0	0	5	5	15	1	0
UDAIPUR	0230	583	1009.3	944.3	..	21.7	16.0	11.9	13.9	55	..	0.9	..	0.2	0	0	2	00	0	0	1	0	1	0	0	28	0
	0530	583	1009.3	944.1	..	20.2	15.6	12.2	14.2	61	..	1.3	..	0.4	0	0	3	00	0	0	0	0	1	2	0	27	0
	0830	583	1010.1	945.9	+0.5	26.3	18.7	13.5	15.5	47	+13	1.3	-0.1	0.5	0	0	4	01	1	0	1	0	0	0	1	26	0
	1130	583	1009.0	946.2	..	32.2	20.8	14.1	16.1	34	..	1.6	..	3.5	0	0	22	03	5	1	2	2	2	2	5	8	0
	1730	583	1004.9	942.9	+0.9	33.3	21.0	13.5	15.5	31	+ 8	2.4	+0.1	5.9	0	0	28	03	0	1	1	4	2	7	10	2	0
	2330	583	1009.5	945.1	..	24.2	17.2	12.5	14.5	48	..	0.9	..	1.1	0	0	7	00	0	0	0	0	3	2	2	23	0
JHALAWAR	0830	321	(R)																								
	1730	321	(R)																								
BANSWARA	0830	220	1011.3	986.3	..	25.7	17.7	11.4	13.5	41	..	0.0	..	9.1	0	0	30	01	0	6	11	8	2	2	0	0	0
	1730	220	1006.5	982.8	..	37.8	22.0	11.4	13.5	21	..	0.0	..	9.9	0	0	30	05	1	0	0	2	4	16	2	0	0
MADHYA PRADESH, WEST																											
GWALIOR	0230	207	1007.0	983.5	..	24.0	16.0	9.0	11.7	39	..	1.6	..	2.3	0	0	10	00	0	1	1	2	0	1	5	20	0
	0530	207	1007.4	983.9	..	22.9	15.4	9.1	11.4	43	..	2.4	..	3.7	0	0	16	01	0	2	1	2	1	3	6	14	0
	0830	207	1009.0	985.8	+1.0	28.5	18.3	10.2	12.7	33	+12	1.9	+0.6	7.0	0	1	26	07	1	1	0	5	2	2	9	3	0
	1130	207	1008.5	985.8	..	34.4	20.4	9.6	12.5	23	..	1.7	..	9.3	0	1	29	05	4	0	3	2	2	4	10	0	0
	1430	207	1005.4	983.1	..	36.8	20.8	8.3	11.5	19	..	2.4	..	9.7	0	0	30	06	1	0	0	0	2	4	17	0	0
	1730	207	1004.3	981.8	+1.0	36.0	20.4	8.0	11.2	19	+ 9	3.0	+1.1	9.5	0	2	28	06	0	0	0	1	0	6	17	0	0
	2030	207	1006.0	983.1	..	30.2	18.9	10.1	12.7	30	..	2.4	..	3.4	0	1	17	03	1	1	0	1	2	1	9	12	0
	2330	207	1007.3	984.0	..	26.6	17.1	9.1	11.9	34	..	2.0	..	2.9	0	0	13	01	2	1	0	2	1	1	5	17	0
SHEOPUR	0830	235	1009.4	983.1	+0.7	27.3	16.7	7.2	10.4	29	+ 2	2.3	+0.4	4.7	0	0	27	11	2	1	0	9	0	4	0	3	0
	1730	235	1004.1	978.6	+0.9	36.6	19.5	4.0	9.4	14	+ 1	3.2	+0.5	14.0	0	10	20	05	2	0	0	1	1	6	15	0	0
SHIVPURI	0830	464	1008.9	957.7	..	28.1	16.3	6.8	9.9	26	..	1.4	..	5.1	0	0	23	04	8	0	1	3	0	4	3	7	0
	1730	464	1003.9	954.1	..	34.9	18.7	5.9	9.7	18	..	2.4	..	10.4	0	2	28	06	0	0	0	0	0	6	18	0	0
NOWGONG	0830	229	1009.6	983.8	+1.0	26.1	16.6	7.9	11.2	33	+ 0	1.4	-0.1	2.9	0	0	15	01	1	2	2	3	4	1	1	15	0
	1730	229	1004.3	979.5	+1.0	36.7	19.2	3.2	8.0	13	- 7	1.6	-0.7	3.6	0	0	25	02	0	0	0	0	2	7	14	5	0
GUNA	0530	478	1008.6	954.6	..	20.3	13.4	7.1	10.4	45	..	1.5	..	3.0	0	0	18	02	1	2	4	1	1	5	2	12	0
	0830	478	1009.1	956.6	+0.8	29.2	17.3	7.4	11.1	28	+ 1	1.5	+0.3	6.7	0	0	29	06	2	5	4	2	0	10	0	1	0
	1130	478	1008.0	956.5	..	35.2	19.6	8.9	11.4	23	..	1.3	..	10.7	0	1	29	04	1	2	6	1	0	3	13	0	0
	1430	478	1004.8	953.9	..	36.8	20.2	8.1	11.5	20	..	2.0	..	11.8	0	3	27	02	0	0	4	3	1	10	10	0	0
	1730	478	1003.9	952.6	+0.5	35.2	19.9	8.6	12.0	23	+ 8	2.4	+0.3	12.4	0	3	27	02	0	0	0	2	1	10	15	0	0
	2330	478	1008.1	955.0	..	24.7	15.2	7.2	10.4	34	..	0.8	..	6.1	0	1	20	01	1	3	4	1	2	7	2	9	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1967. (CHAITRA 11 - VAISAKHA 10, 1889 SAKA)

SUB-DIVISION / AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gen. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, WEST (CONTD)																											
NIMACH	0830	496	1009.4	954.9	+0.2	28.0	16.0	5.4	9.5	26	- 4	1.4	+0.0	8.1	0	3	24	01	9	1	0	0	4	7	0	3	5
	1730	496	1004.7	951.6	+0.2	35.1	17.6	1.7	7.3	13	- 5	2.3	-0.2	12.0	0	7	22	01	3	3	0	0	4	6	0	1	12
RAJGARH	0830	382	1009.8	967.3	+1.0	26.9	18.0	10.9	13.4	38	+11	0.9	-0.5	5.2	0	1	24	08	2	2	1	2	3	4	3	5	0
RAJGARH	1730	382	1004.1	963.1	+0.6	36.5	22.2	12.5	15.1	26	+11	2.3	-0.4	8.7	0	2	28	06	2	0	0	1	2	8	11	0	0
SAGAR	0830	551	1009.1	948.5	+0.9	27.1	15.0	4.1	8.2	24	+ 0	1.0	-0.5	4.9	0	0	30	00	3	3	0	0	7	12	5	0	0
	1730	551	1003.9	945.0	+1.2	34.3	18.6	6.0	9.9	19	+ 3	0.1	-2.5	7.0	0	0	30	00	8	8	0	0	1	4	9	0	0
RATLAM	0830	486	1009.9	956.2	+0.7	27.0	19.2	14.4	16.5	48	+ 9	1.1	-0.7	9.3	0	3	25	03	8	6	0	1	3	6	1	2	0
	1730	486	1004.5	952.6	+0.8	36.0	23.1	16.1	18.8	32	+ 9	3.0	+0.1	11.3	0	3	27	03	4	1	0	0	4	9	9	0	0
BHOPAL (BAIRAGARH)	0230	523	1007.1	949.1	..	24.1	14.2	4.7	9.0	30	..	1.2	..	10.9	0	2	26	10	4	1	0	0	0	7	6	2	0
	0530	523	1008.1	949.5	..	22.2	13.4	4.9	9.0	35	..	1.4	..	8.0	0	1	23	07	1	2	1	0	2	5	6	0	0
	0830	523	1009.3	951.9	+0.5	28.4	16.5	6.4	10.1	27	+ 2	1.2	+0.0	11.8	0	3	26	07	6	5	1	1	1	3	5	1	0
	1130	523	1007.9	951.7	..	34.3	18.9	7.3	10.6	20	..	1.7	..	14.7	0	8	20	09	2	4	4	1	0	1	7	2	0
	1430	523	1004.5	948.9	..	36.4	19.4	7.0	10.1	18	..	2.3	..	14.3	0	8	19	04	1	1	0	2	1	8	10	3	0
	1730	523	1003.6	947.7	+0.5	35.3	18.9	6.3	9.9	19	+ 5	2.7	+0.4	15.2	0	7	22	06	2	0	1	1	1	4	14	1	0
	2030	523	1006.5	949.5	..	29.2	16.3	5.1	9.1	24	..	1.7	..	10.4	0	2	23	05	1	0	0	0	2	4	13	5	0
	2330	523	1007.8	950.2	..	26.5	15.3	5.2	9.2	27	..	1.4	..	9.7	0	1	25	09	3	2	1	0	1	6	4	4	0
UJJAIN	0830	489	1010.3	955.9	..	25.6	16.3	8.9	11.7	36	..	1.8	..	8.5	0	4	17	02	3	3	0	1	0	6	6	9	0
	1730	489	1004.3	951.9	..	34.9	18.7	5.7	9.7	19	..	3.1	..	14.5	0	9	18	02	3	1	1	0	0	10	10	3	0
NARSINGHPUR	0830	356	1009.3	969.6	..	26.6	18.7	13.3	15.2	44	..	1.5	..	3.4	0	1	24	00	11	0	1	1	6	4	2	5	0
	1730	356	1003.2	965.0	..	37.2	23.5	15.4	17.7	29	..	2.8	..	3.5	0	0	29	00	11	1	1	0	6	3	7	1	0
HOSHANGABAD	0830	302	1009.5	975.8	+0.8	28.7	17.5	8.1	10.9	28	+ 0	0.8	-1.1	2.2	0	0	30	00	1	0	1	0	28	0	0	0	0
	1730	302	1003.6	971.2	+1.1	38.0	22.0	11.1	13.4	22	+ 7	2.0	-1.2	4.0	0	1	29	00	9	0	2	0	11	0	8	0	0
INDORE	0530	567	1008.8	945.4	..	21.2	13.2	5.3	9.3	37	..	0.9	..	8.7	0	1	26	05	4	1	0	0	5	6	6	3	0
	0830	567	1009.6	947.4	+0.9	27.6	16.7	7.9	11.1	31	+ 1	1.0	-0.3	11.5	0	4	25	01	9	6	0	0	1	9	3	1	0
	1130	567	1008.2	947.3	..	33.8	19.0	7.4	11.2	22	..	1.0	..	13.2	0	4	24	05	7	4	0	1	1	5	4	2	1
	1730	567	1003.9	943.4	+0.7	34.9	18.8	5.8	9.9	20	+ 5	2.3	+0.1	14.3	0	7	23	04	4	1	0	1	1	8	11	0	0
	2330	567	1008.7	946.1	..	25.5	14.8	5.4	9.0	30	..	1.2	..	9.8	0	0	28	07	2	0	0	1	3	11	4	2	0
RAJPUR (JHABUA)	0830	293	1010.6	977.8	+0.5	26.5	17.7	9.8	13.1	38	- 6	0.9	-0.9	6.7	0	0	25	00	2	4	0	0	0	19	0	5	0
	1730	293	1005.2	973.7	+0.8	37.0	20.0	3.9	9.5	16	- 3	1.8	-0.6	7.6	0	0	29	00	0	0	0	0	0	29	0	1	0
CHHINDWARA	0830	685	1008.8	934.2	+0.1	27.7	19.1	13.4	15.9	44	+10	1.7	-0.4	4.6	0	1	20	06	3	3	0	1	1	3	4	9	0
	1730	685	1002.6	930.3	+0.3	34.8	22.0	14.4	17.0	31	+ 9	3.1	-0.2	5.8	0	0	28	05	0	2	1	1	0	14	5	2	0
SEONI	0830	619	1008.9	941.5	+0.8	28.1	16.9	8.2	11.1	30	- 3	1.7	-0.3	7.4	0	0	29	05	7	1	1	2	4	3	6	1	0
	1730	619	1002.9	937.2	+0.4	34.5	18.8	6.9	10.2	20	- 4	2.6	-0.8	8.5	0	0	30	07	1	1	3	2	5	3	8	0	0
BETUL	0830	653	1009.0	938.0	+0.4	28.2	17.0	8.2	11.2	30	- 1	1.3	-0.5	3.5	0	0	24	03	4	2	3	3	0	4	5	6	0
	1730	653	1002.9	933.7	+0.2	35.2	18.7	6.1	9.5	18	- 1	2.3	-0.9	4.5	0	0	28	07	2	0	2	0	1	4	12	2	0
KHANDWA	0830	318	1009.6	974.3	+1.0	28.3	17.7	8.3	11.7	30	+ 1	0.9	-0.5	3.4	0	0	28	02	2	0	2	0	6	9	7	2	0
	1730	318	1003.7	969.5	+0.9	37.7	20.9	7.5	11.0	17	+ 1	2.3	-0.2	4.1	0	0	30	02	0	0	2	0	8	3	15	0	0
MADHYA PRADESH, EAST																											
SATNA	0530	317	1007.4	971.5	..	22.3	14.3	7.0	9.8	38	..	1.0	..	1.9	0	0	16	02	0	3	0	0	1	8	2	14	0
	0830	317	1008.8	973.6	+1.1	28.9	17.3	7.1	10.4	25	- 9	1.0	-0.4	3.0	0	0	28	04	2	3	2	1	0	11	5	2	0
	1130	317	1007.8	973.3	..	34.7	19.2	6.2	9.7	17	..	1.5	..	4.0	0	0	28	07	0	1	1	2	2	6	9	2	0
	1430	317	1004.7	970.6	..	37.0	19.5	4.2	8.4	14	..	1.9	..	5.7	0	0	28	02	1	1	1	1	0	12	10	2	0
	1730	317	1003.4	969.2	+0.7	36.2	19.1	3.8	8.2	14	- 8	1.7	-0.5	4.9	0	0	30	03	1	1	0	0	0	12	13	0	0
	2330	317	1007.0	971.7	..	27.3	16.4	6.7	9.8	28	..	0.6	..	3.0	0	2	16	01	1	1	2	0	3	8	2	12	0
REWA	0830	299	1008.3	975.1	..	28.6	18.8	11.3	13.7	35	..	1.0	..	2.3	0	0	19	02	2	1	2	0	4	6	2	11	0
	1730	299	1003.0	970.7	..	36.1	21.0	9.6	12.5	21	..	1.4	..	5.1	0	0	29	08	3	2	0	0	0	6	10	1	0
SIDHI	0830	272	1008.3	978.0	+0.9	28.2	19.9	14.4	16.5	43	+ 9	0.1	-0.8	0.7	0	0	9	01	1	3	1	3	0	0	0	21	0
	1730	272	1002.9	973.5	+0.4	36.1	22.8	14.6	16.9	29	+11	0.1	-1.5	3.1	0	0	29	22	1	0	0	1	0	3	2	1	0
UMARIA	0830	459	1008.9	958.6	+1.2	29.7	19.4	12.6	15.0	36	+ 5	0.4	-1.4	4.4	0	1	20	03	3	2	4	0	2	5	0	9	2
	1730	459	1003.2	954.1	+0.7	35.7	21.0	11.4	14.1	25	+ 5	2.6	-0.2	5.9	0	0	30	07	1	1	0	0	2	3	15	0	1
JABALPUR	0530	393	1007.9	963.6	..	21.5	15.2	9.7	12.2	49	..	1.0	..	0.9	0	0	8	00	1	0	1	4	0	1	1	22	0
	0830	393	1009.3	966.0	+1.1	28.6	18.0	9.4	12.0	31	+ 1	0.9	-0.8	3.2	0	0	17	02	2	1	2	3	5	1	1	13	0
	1130	393	1007.7	965.3	..	35.1	19.9	7.7	10.9	19	..	1.2	..	5.0	0	0	26	03	8	5	2	2	2	4	0	4	0
	1430	393	1004.3	962.3	..	37.5	20.5	6.7	10.3	16	..	2.9	..	7.1	0	0	29	08	3	1	0	1	5	6	5	1	0
	1730	393	1003.3	961.2	+0.9	36.0	20.2	7.3	10.8	19	+ 1	3.1	+0.4	5.6	0	0	29	06	3	1	1	2	2	7	7	1	0
	2030	393	1006.0	962.9	..	29.4	18.8	10.4	13.0	32	..	1.5	..	1.6	0	0	11	02	6	0	0	1	1	1	0	19	0
	2330	393	1007.4	963.8	..	26.4	17.4	10.2	12.6	37	..	1.3	..	1.9	0	0	15	01	8	1	1	2	0	1	1	15	0
AMBIKAPUR	0830	611	1008.9	942.2	+0.5	27.8	17.6	10.0	12.7	34	+ 0	0.6	-0.6	6.1	0	1	24	06	2	0	3	10	1	2	1	5	0
	1730	611	1002.9	937.9	+0.2	33.9	18.3	6.1	9.6	19	+ 0	2.0	-0.2	10.9	0	3	26	10	3	0	1	0	2	2	11	1	0
JASHPURNAGAR	0830	779	1008.0	924.1	..	27.9	16.9	7.7	11.2	32	..	0.1	..	2.4	0	0	24	00	6	0	3	0	8	0	7	6	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – APRIL 1967. (CHAITRA 11 – VAISAKHA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lic. in gpm. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																											
JASHPURNAGAR. (CONTD.)	1730	779	1002.1	919.9	..	32.6	17.7	5.8	9.4	20	..	2.1	..	2.2	0	0	28	00	5	0	0	0	6	1	16	2	0
PENDRA	0530	625	1007.9	938.8	..	23.1	14.8	7.9	10.8	40	..	1.1	..	5.4	0	2	19	10	0	0	0	4	1	0	6	9	0
	0830	625	1008.9	940.9	+0.6	27.9	17.0	8.5	11.4	31	+ 1	0.7	-1.2	7.8	0	3	19	12	0	0	1	6	1	1	1	8	0
	1130	625	1007.4	940.4	..	32.5	18.5	7.8	11.1	23	..	0.8	..	11.3	0	5	25	13	1	1	2	4	2	4	3	0	0
	1430	625	1003.9	937.5	..	34.5	18.8	7.3	10.2	20	..	2.2	..	12.0	0	4	23	13	1	0	0	5	1	0	6	3	1
	1730	625	1003.3	936.6	+0.5	32.4	18.1	6.7	10.4	23	+ 0	2.7	-0.8	10.5	0	2	26	16	1	1	0	4	1	2	3	2	0
	2330	625	1007.4	938.9	..	26.0	15.9	7.9	10.7	33	..	1.2	..	5.3	0	1	21	04	1	0	0	3	2	3	8	8	1
MANDLA	0830	443	1009.3	960.3	+0.4	27.0	17.6	9.7	12.5	35	- 8	0.8	-1.3	1.1	0	0	8	03	1	0	0	4	0	0	0	22	0
	1730	443	1003.2	955.7	+0.5	34.7	19.0	5.0	9.2	18	- 5	2.3	-1.1	1.6	0	0	10	03	0	0	0	2	0	0	5	20	0
CHAMPA	0830	245	1009.1	981.8	+0.2	29.2	19.3	12.2	14.3	36	+ 0	1.0	-1.2	5.7	0	1	24	12	1	4	1	0	1	2	4	5	0
	1730	245	1003.0	976.6	+0.1	37.4	20.7	7.9	10.8	18	+ 0	2.5	-0.8	6.1	0	1	29	10	1	0	0	0	2	13	4	0	0
RAIGARH	0830	220	1009.2	984.7	+0.8	30.6	20.2	12.5	15.2	35	- 3	1.6	-0.7	3.7	0	0	30	00	12	1	7	1	7	0	2	0	0
	1730	220	1002.8	979.0	+0.1	37.4	22.6	12.6	15.4	24	+ 5	2.3	-0.3	3.4	0	0	28	05	2	0	0	0	10	3	8	2	0
RAIPUR	0530	298	1007.2	973.8	..	25.8	18.8	13.4	16.0	49	..	1.3	..	2.8	0	0	21	01	1	1	3	4	4	4	3	9	0
	0830	298	1009.1	976.2	+0.9	30.5	20.8	14.2	16.7	39	+ 3	1.0	-0.8	4.4	0	0	26	06	1	0	1	2	6	6	4	4	0
	1130	298	1008.0	975.7	..	36.0	22.9	14.4	17.1	29	..	0.9	..	4.8	0	0	28	08	3	2	2	0	3	9	1	2	0
	1430	298	1004.4	972.4	..	38.2	23.4	14.0	16.6	25	..	2.4	..	5.1	0	0	29	06	4	1	0	0	5	7	6	1	0
	1730	298	1003.1	971.1	+0.5	37.3	23.1	14.1	16.6	26	+ 5	2.4	-0.2	4.5	0	0	27	03	3	1	0	0	3	12	5	3	0
	2030	298	1005.8	973.1	..	32.3	21.3	13.9	16.4	34	..	1.4	..	4.0	0	0	24	03	1	0	2	3	3	8	4	6	0
	2330	298	1006.7	973.7	..	29.7	20.4	15.1	16.4	40	..	1.9	..	4.9	0	0	27	02	2	0	5	7	7	2	2	3	0
KANKER	0830	402	1009.0	965.0	+0.7	29.6	21.4	16.4	18.8	46	+ 0	1.2	-1.3	1.9	0	0	16	00	3	0	1	0	7	4	1	14	0
	1730	402	1003.1	960.2	+0.3	36.2	23.3	15.6	18.1	30	+ 0	3.0	-0.8	3.5	0	0	28	01	0	0	0	0	1	15	11	2	0
JAGDALPUR	0530	553	1007.9	946.6	..	23.1	19.6	17.6	20.2	72	..	2.2	..	1.2	0	8	8	00	0	1	1	5	1	0	0	22	0
	0830	553	1009.2	948.9	+0.5	28.4	21.6	18.0	20.8	54	+ 0	1.6	-0.4	3.3	0	0	15	00	0	0	3	3	8	1	0	15	0
	1130	553	1007.6	948.4	..	33.7	22.4	16.3	18.8	36	..	2.0	..	7.0	0	0	29	01	2	1	1	9	11	1	3	1	0
	1430	553	1003.8	945.2	..	36.0	22.4	15.3	17.0	30	..	3.4	..	8.5	0	1	27	05	0	0	1	5	9	4	4	2	0
	1730	553	1003.4	944.5	+0.5	34.3	22.3	15.9	18.1	35	+ 4	3.7	-0.4	6.6	0	1	22	02	2	0	0	4	13	1	1	7	0
	2030	553	1006.5	946.5	..	29.2	21.1	16.5	19.0	47	..	1.9	..	2.5	0	0	11	01	1	0	0	2	7	0	0	19	0
	2330	553	1007.6	947.1	..	26.8	20.6	17.0	19.7	57	..	2.4	..	3.4	0	0	14	00	1	0	4	6	3	0	0	16	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																											
DEESA	0830	136	1011.6	996.0	+1.9	25.5	18.3	12.6	15.3	47	+ 1	0.0	-1.5	4.5	0	0	30	00	12	2	5	0	5	0	6	0	0
	1730	136	1006.3	991.4	+1.4	36.0	19.0	3.6	8.2	15	- 6	1.8	-0.1	8.9	0	1	29	01	2	0	0	0	6	5	16	0	0
RADHANPUR	0830	30	1010.4	1007.1	+0.9	26.6	20.0	15.2	18.1	55	- 7	0.0	-0.9	3.7	0	0	30	05	2	2	1	1	5	5	9	0	0
	1730	30	1006.5	1003.3	+0.6	36.3	21.7	11.3	14.1	23	- 7	0.0	-1.3	3.8	0	0	30	06	0	3	1	0	3	8	9	0	0
IDAR	0830	219	1009.9	985.4	+0.6	28.5	18.1	8.7	12.3	34	- 6	1.2	-0.4	5.2	0	0	24	04	1	4	2	1	0	7	5	6	0
	1730	219	1005.8	982.0	+0.8	36.1	19.1	3.4	8.3	14	- 6	2.3	+0.2	7.5	0	1	28	00	2	2	0	0	3	17	5	1	0
AHMADABAD	0230	55	1008.3	1001.9	..	26.4	17.9	10.9	13.6	40	..	1.1	..	9.3	0	0	27	03	2	0	0	0	4	9	9	3	0
	0530	55	1008.3	1002.0	..	24.2	17.4	11.7	14.4	48	..	1.1	..	9.2	0	0	26	03	4	0	0	0	0	6	13	4	0
	0830	55	1010.3	1004.1	+0.6	27.2	19.2	13.0	15.8	44	- 5	1.1	-0.2	9.9	0	2	22	03	2	2	0	0	1	4	12	6	0
	1130	55	1010.6	1004.4	..	34.5	20.4	8.5	12.5	24	..	1.4	..	13.3	0	5	24	03	3	4	1	0	1	6	9	1	2
	1430	55	1007.9	1001.8	..	37.9	20.3	5.1	9.5	15	..	1.9	..	12.3	0	4	25	01	2	2	0	1	2	8	11	1	2
	1730	55	1006.1	1000.0	+0.9	38.0	20.0	3.4	8.7	14	- 4	1.9	+0.4	12.8	0	4	24	03	2	0	0	0	1	11	9	2	2
	2030	55	1007.5	1001.4	..	32.5	19.2	8.5	11.4	23	..	1.7	..	6.1	0	0	17	02	1	0	0	0	1	6	7	13	0
	2330	55	1008.9	1002.7	..	29.2	18.2	9.0	11.9	30	..	1.2	..	8.2	0	0	23	03	0	1	0	2	4	5	8	7	0
DOHAD	0830	333	1010.0	973.0	+0.4	27.6	18.8	11.4	14.6	40	+ 2	1.0	-0.3	..	.	..	..	01	3	3	2	2	7	8	3	1	0
	1730	333	1004.8	969.0	+0.2	36.8	20.8	7.8	11.5	19	+ 4	1.3	+0.4	..	.	..	..	04	5	0	0	0	4	9	8	0	0
VALLABH VIDYANAGAR	0830	44	1010.5	1005.5	..	25.6	19.1	14.4	16.8	52	..	0.3	..	5.3	0	1	28	06	5	0	3	2	5	2	6	1	0
	1730	44	1005.9	1001.2	..	37.2	20.9	8.0	11.4	18	..	1.4	..	5.5	0	0	30	00	2	0	0	0	7	3	18	0	0
BARODA AERODROME	0830	38	1010.7	1006.5	+0.8	27.8	22.2	19.0	22.2	60	+14	0.8	-0.4	12.0	0	4	23	05	4	0	0	4	4	5	5	3	0
	1130	38	1010.4	1006.2	..	34.8	25.3	20.3	24.4	45	..	1.2	..	14.3	0	7	21	03	4	2	1	0	3	10	4	2	1
	1730	38	1006.0	1001.9	+0.9	38.0	25.6	19.1	22.7	35	+18	2.2	+0.9	16.9	0	12	17	04	1	0	0	0	1	7	15	1	1
BARODA	0530	34	1008.5	1004.5	..	24.1	18.6	14.2	16.9	57	..	0.2	..	3.0	0	0	25	01	4	0	0	1	10	0	9	5	0
	0830	34	1010.6	1006.7	+0.5	27.2	20.4	15.4	18.4	51	- 3	0.5	-0.5	3.2	0	0	26	01	5	0	1	1	8	3	7	4	0
	1130	34	1010.6	1006.7	..	35.4	21.9	12.3	15.3	28	..	0.8	..	4.0	0	0	28	01	8	0	1	0	5	4	9	2	0
	1730	34	1005.9	1002.1	+0.7	38.7	22.1	9.9	13.0	19	- 2	1.3	+0.3	3.6	0	0	26	03	4	0	0	0	0	5	14	4	0
	2330	34	1008.9	1005.0	..	28.8	20.2	13.9	16.7	42	..	0.6	..	3.4	0	0	24	00	1	0	1	0	6	4	12	6	0
BROACH	0830	17	..	..	..	..	..	..	..	..	..	0.6	-0.8	4.9	0	0	30	00	7	1	0	3	9	1	9	0	0
	1730	17	..	..	..	..	..	..	..	..	..	0.6	-0.4	6.3	0	0	30	02	9	0	0	0	11	2	6	0	0
SURAT	0530	12	1008.5	1007.2	..	24.3	20.4	17.6	20.8	69	..	0.5	..	7.4	0	0	29	00	8	0	6	0	4	0	11	1	0
	0830	12	1010.9	1009.6	+0.6	26.9	21.7	18.3	21.7	61	- 3	0.7	-1.3	6.8	0	0	30	00	7	0	7	0	6	0	10	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.			Mean temperature in °C			Vapour pressure in mb.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
															Wind Speed (Km. p. h.)			Wind direction									
			At mean sea level or Mt. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		42 or more	20 to 41	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GUJARAT REGION(INCLUDING DAMAN, DARA AND NAGAR HAVELI) (CONTD.)																											
SURAT.(CONTD.)	1130	12	1011.1	1009.8	..	33.3	22.9	16.5	19.5	39	..	1.0	..	9.3	0	1	29	00	11	0	1	0	6	1	11	0	0
	1730	12	1006.7	1005.4	+0.5	34.8	23.2	15.8	18.9	35	- 5	1.1	-0.4	12.2	0	3	27	00	0	0	0	0	14	0	16	0	0
	2330	12	1009.5	1008.2	..	27.0	22.1	19.0	22.7	64	..	0.4	..	8.1	0	0	29	00	2	0	2	0	11	0	14	1	0
SAURASHTRA AND KUTCH(INCLUDING DIU)																											
NALIYA	0830	21	1010.6	1009.2	+0.7	23.7	21.3	20.0	23.4	78	- 1	2.6	+0.3	7.4	0	4	22	02	2	0	0	3	7	9	3	4	0
	1730	21	1007.9	1005.5	+0.6	30.1	23.3	17.8	20.5	47	- 1	2.4	+0.7	12.7	0	0	30	00	2	0	0	2	16	10	0	0	0
BHUJ(RUDRAMATA)	0230	80	1009.1	999.9	..	24.7	20.3	17.3	20.2	66	..	1.0	..	8.8	0	2	14	00	0	0	0	0	4	10	2	14	0
	0530	80	1009.0	999.7	..	23.2	19.8	17.5	20.4	73	..	1.0	..	4.5	0	1	8	00	0	0	0	1	3	4	1	21	0
	0830	80	1010.7	1001.5	+1.0	25.8	21.0	17.8	20.9	64	+ 7	1.8	+0.8	12.1	0	5	16	01	0	0	0	0	6	6	8	9	0
	1130	80	1010.9	1001.9	..	32.6	21.4	13.8	16.4	35	..	1.5	..	17.6	0	10	18	09	3	0	0	0	3	4	9	2	0
	1430	80	1008.5	999.7	..	35.9	21.7	11.4	14.3	25	..	1.8	..	17.9	0	10	18	06	2	0	1	1	4	4	10	2	0
	1730	80	1007.1	998.2	+1.2	35.5	21.4	10.9	13.9	25	+ 3	2.4	+1.6	21.5	0	18	9	04	3	0	0	0	5	6	9	3	0
	2030	80	1008.7	999.7	..	30.3	21.5	15.8	18.5	44	..	1.4	..	16.5	0	9	16	01	0	0	0	0	6	10	8	5	0
	2330	80	1010.0	1000.9	..	26.6	20.7	16.5	19.6	57	..	1.3	..	11.9	0	4	18	01	1	0	0	0	6	12	2	8	0
KANDLA AERODROME	0830	35	1010.9	1007.0	..	26.9	20.4	15.9	18.8	54	..	1.8	..	18.5	0	13	17	01	1	0	0	0	7	9	12	0	0
	1130	35	1011.4	1007.5	..	33.0	20.6	11.8	14.2	29	..	1.5	..	21.3	0	16	14	01	3	0	0	2	5	8	11	0	0
	1730	35	1007.3	1003.5	..	36.1	21.3	10.5	13.2	23	..	1.6	..	23.7	0	19	11	00	4	0	0	6	8	8	4	0	0
NEW KANDLA	0830	14	1011.3	1009.6	+0.7	25.7	20.6	17.0	20.1	62	- 5	2.7	+0.7	13.6	0	6	24	05	1	0	1	1	5	11	6	0	0
	1730	14	1007.8	1006.2	+0.9	32.6	22.6	15.8	19.3	42	- 2	2.3	+0.2	28.9	0	23	7	02	1	0	1	1	12	11	2	0	0
MANDVI	0830	9	1011.3	1010.2	+0.9	25.5	22.0	19.8	23.5	72	- 7	3.5	+1.9	16.1	0	4	26	03	4	0	0	0	4	13	6	0	0
	1730	9	1008.5	1007.4	+0.1	28.4	24.4	22.4	27.3	70	- 7	2.6	+1.1	31.3	0	28	2	00	0	0	0	0	1	29	0	0	0
SURENDRANAGAR	0830	74	1010.8	1002.5	+1.1	27.9	21.1	16.3	19.5	53	- 5	1.6	+0.3	12.0	0	6	22	04	1	0	0	0	0	11	12	2	0
	1730	74	1006.3	998.1	+0.8	37.4	22.2	11.4	14.3	23	- 2	2.2	+0.7	10.9	0	5	21	06	0	0	0	0	0	12	8	4	0
OKHA	0530	7	1009.4	1008.6	..	25.0	23.3	22.4	27.3	86	..	1.7	..	20.2	0	17	13	05	0	0	0	0	4	7	14	0	0
	0830	7	1011.4	1010.6	..	25.9	23.8	22.7	27.9	83	..	3.3	..	17.7	0	12	18	05	0	0	0	0	4	8	13	0	0
	1130	7	1011.9	1011.1	..	27.7	24.3	22.6	27.6	75	..	2.3	..	17.5	0	13	17	03	1	0	1	0	4	9	12	0	0
	1730	7	1009.0	1008.3	..	27.7	24.7	23.3	28.6	77	..	2.2	..	24.4	0	25	5	00	1	0	0	0	3	14	12	0	0
	2330	7	1010.7	1009.9	..	25.6	24.0	23.2	28.6	87	..	1.5	..	20.6	0	17	13	00	0	0	0	0	5	8	17	0	0
JAMNAGAR AERODROME	0530	20	1008.6	1006.3	..	21.7	20.1	19.0	22.2	85	..	1.3	..	12.4	0	0	29	00	0	0	2	3	11	8	5	1	0
	0830	20	1010.4	1008.1	+0.1	25.0	22.2	20.5	24.4	77	+ 9	2.4	+0.4	12.7	0	4	23	03	0	2	2	0	2	13	5	3	0
	1130	20	1010.8	1008.6	..	30.8	22.7	17.8	21.0	48	..	1.7	..	16.6	0	9	20	04	3	2	0	0	1	6	13	1	0
	1730	20	1007.6	1005.4	+1.0	31.2	23.0	18.1	21.4	49	+ 7	1.6	+0.3	23.9	0	23	7	03	1	0	0	0	0	10	16	0	0
	2330	20	1009.5	1007.2	..	24.9	22.7	21.3	25.8	80	..	1.0	..	17.4	0	8	22	01	0	0	0	0	1	16	12	0	0
DWARKA	0830	11	1010.5	1009.2	-0.2	26.2	23.6	22.2	26.9	80	- 1	3.4	+1.3	14.0	0	3	27	09	0	0	0	0	3	5	13	0	0
	1730	11	1009.0	1007.7	+1.0	28.0	24.8	23.1	28.6	76	+ 1	2.9	+1.7	17.1	0	10	20	02	0	0	0	0	3	14	11	0	0
RAJKOT	0530	138	1009.3	993.5	..	21.0	18.3	16.2	18.8	75	..	1.0	..	9.5	0	4	20	00	2	0	0	1	4	8	9	6	0
	0830	138	1011.1	995.4	+0.7	25.3	20.9	18.2	21.0	67	+ 1	0.8	-0.7	15.5	0	12	14	05	0	0	0	0	2	8	11	4	0
	1130	138	1010.7	995.5	..	33.2	22.7	16.4	19.0	39	..	0.6	..	24.0	0	23	7	09	1	0	0	0	0	6	14	0	0
	1430	138	1007.9	992.9	..	36.5	23.2	15.3	17.6	30	..	0.8	..	23.7	0	20	10	05	1	0	0	0	0	6	16	0	2
	1730	138	1006.6	991.5	+1.1	36.0	23.3	15.6	18.2	32	+14	0.8	-0.6	30.9	0	27	3	05	2	0	0	0	0	4	19	0	0
BHAUNAGAR AERODROME	0830	11	1010.8	1009.6	+0.4	27.2	20.1	15.0	17.7	50	+ 6	0.9	-0.3	16.3	0	15	10	04	1	0	0	1	1	4	14	5	0
	1130	11	1011.0	1009.8	..	33.3	21.9	13.6	16.9	35	..	1.2	..	21.3	0	22	7	06	10	6	1	0	0	1	5	1	0
	1730	11	1006.4	1005.2	+0.5	36.3	22.3	11.6	15.5	27	+ 0	1.8	+0.4	22.8	0	18	12	00	7	9	8	4	1	1	0	0	0
PORBANDER AERODROME	0830	7	1011.2	1010.4	+0.9	26.4	22.8	20.6	24.9	73	- 6	2.0	+0.9	16.3	0	11	15	07	0	0	0	0	2	2	15	4	0
	1130	7	1011.6	1010.8	..	31.6	24.3	19.9	24.4	56	..	1.0	..	20.2	0	17	13	03	4	0	0	0	6	11	5	0	1
	1730	7	1008.3	1007.5	+0.7	30.6	24.7	21.4	26.3	63	- 4	1.3	-0.4	26.4	0	27	3	00	1	0	0	0	4	24	1	0	0
KESHOD	0830	51	1011.2	1005.4	+0.4	25.4	19.7	15.8	18.3	61	- 6	1.4	-0.4	11.7	0	2	27	10	7	0	0	0	0	6	6	1	0
	1130	51	1011.1	1005.5	..	33.6	20.5	9.7	13.4	26	..	1.1	..	19.9	0	18	12	09	4	0	0	0	1	5	11	0	0
	1730	51	1007.4	1001.8	+0.2	34.8	21.1	9.5	13.9	24	- 8	1.2	+0.1	29.5	0	27	3	01	4	0	0	0	1	20	4	0	0
MAHUVA	0830	9	1009.7	1008.7	..	23.7	19.2	16.0	18.5	66	..	1.8	..	3.6	0	1	21	12	1	0	0	0	0	2	7	8	0
	1730	9	1007.3	1006.3	..	32.5	23.1	17.0	20.5	44	..	2.0	..	7.3	0	0	29	00	3	2	6	7	11	0	0	1	0
VERAVAL	0230	8	1009.3	1008.4	..	23.8	21.5	20.1	23.8	81	..	1.0	..	12.6	0	5	24	14	1	0	0	0	0	3	11	1	0
	0530	8	1008.9	1008.0	..	22.5	20.3	18.9	22.1	81	..	1.0	..	11.0	0	3	23	16	1	0	0	1	0	1	7	4	0
	0830	8	1011.8	1010.1	+0.4	26.0	22.6	20.6	24.6	73	+ 1	1.9	+0.2	13.1	0	8	19	14	4	0	0	0	0	2	7	3	0
	1130	8	1011.5	1010.6	..	30.9	25.9	24.2	29.3	68	..	1.3	..	20.0	0	18	12	05	5	0	0	0	4	12	4	0	0
	1430	8	1009.3	1008.4	..	30.3	26.9	25.5	32.6	76	..	1.5	..	27.1	0	27	3	00	1	0	0	0	5	17	7	0	0
	1730	8	1008.0	1007.1	+0.6	28.3	26.2	25.3	32.2	84	+ 6	1.3	+0.2	31.1	0	29	1	00	0	0	0	0	2	16	12	0	0
	2030	8	1009.2	1008.3	..	26.7	24.7	23.8	29.5	84	..	1.1	..	21.2	0	19	11	00	0	0	0	0	1	8	21	0	0
	2330	8	1010.3	1009.4	..	25.2	23.0	21.7	26.3	82	..	1.7	..	14.0	0	7	22	09	0	0	0	0	0	4	16	1	0
DIU	0830	15	1011.5	1009.7	..	27.1	21.9	18.6	22.1	62	..	1.3	..	20.9	0	18	12	00	0	2	1	1	12	12	2	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – APRIL 1967. (CHAITRA 11 - VAISAKHA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or bt. in gms. of nearest standard barometric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SAURASHTRA AND KUTCH (INCLUDING DIU (CONTD.)																											
DIU (CONTD.)	1730	15	1008.2	1006.5	..	29.6	25.4	23.3	28.9	70	..	1.1	..	6.1	0	0	26	04	1	1	0	0	1	6	13	4	0
KONKAN (INCLUDING GOA)																											
DAHANU	0830	5	1010.2	1009.7	+0.4	26.5	24.3	23.2	28.8	83	+10	.	..	6.7	0	0	29	05	5	5	13	0	0	0	1	0	0
	1730	5	1007.2	1006.7	+0.6	30.3	28.2	27.4	36.5	85	+15	.	..	13.5	0	4	25	10	0	0	0	0	2	14	3	0	0
BOMBAY (SANTACRUZ)	0230	14	1008.5	1006.8	+0.7	25.5	22.5	20.9	24.7	77	+ 7	1.3	+0.0	3.6	0	0	21	05	10	1	1	1	0	1	2	9	0
	0530	14	1008.5	1006.8	..	24.8	22.2	20.0	24.6	79	..	1.3	..	3.7	0	0	17	04	7	3	1	1	0	1	0	13	0
	0830	14	1010.5	1008.9	+0.3	28.2	23.3	20.6	24.7	65	- 2	2.0	-0.7	6.3	0	0	26	06	4	3	4	2	4	2	1	4	0
	1130	14	1010.4	1008.8	..	32.9	24.1	18.5	22.8	48	..	1.7	..	13.3	0	2	28	01	2	1	0	1	3	16	6	0	0
	1430	14	1008.1	1006.5	..	32.8	24.7	20.4	24.4	50	..	1.7	..	19.3	0	15	15	02	0	0	0	0	1	12	15	0	0
	1730	14	1006.9	1005.3	+0.2	31.1	24.1	20.2	24.3	55	- 2	2.0	+0.3	18.9	0	16	14	05	0	0	0	0	1	8	16	0	0
	2030	14	1008.6	1007.0	..	28.3	23.3	20.5	24.4	65	..	1.2	..	9.8	0	3	23	07	1	1	0	0	2	4	11	4	0
	2330	14	1009.6	1008.0	..	26.8	22.8	20.5	24.4	70	..	1.6	..	5.8	0	0	20	05	0	1	0	2	2	2	8	10	0
BOMBAY	0830	11	1010.5	1009.3	+0.2	28.4	24.5	22.6	27.6	72	- 1	2.0	-0.3	6.9	0	1	27	09	1	4	4	3	1	2	4	2	0
	1130	11	1010.6	1009.4	..	31.4	25.6	22.9	27.9	61	..	1.2	..	10.1	0	2	28	03	0	0	2	2	5	4	14	0	0
	1730	11	1007.1	1005.9	+0.1	30.3	25.4	23.1	28.3	66	+ 0	1.7	+0.5	17.7	0	13	17	04	0	0	0	0	2	9	15	0	0
ALIBAG	0830	7	1010.5	1009.7	-0.2	28.0	24.0	22.1	26.6	71	- 3	1.8	-0.3	5.7	0	0	27	10	2	7	3	2	2	1	0	3	0
BHIRA	0830	96	1009.9	999.1	..	26.6	21.4	18.2	21.3	61	..	1.6	..	1.4	0	0	11	01	2	3	1	0	1	1	2	19	0
	1730	96	1005.8	995.4	..	36.3	24.6	17.5	21.3	37	..	1.5	..	4.7	0	0	30	00	3	0	0	0	20	0	7	0	0
HARNAI	0830	20	1010.2	1007.9	+0.3	27.9	24.1	22.3	26.9	72	- 3	3.4	+0.3	9.3	0	6	15	09	2	2	0	4	1	0	3	9	0
	1730	20	1007.2	1004.9	+0.4	29.1	26.1	24.5	31.3	78	+ 0	2.3	-0.4	29.8	1	20	9	07	0	0	0	1	1	7	14	0	0
RATNAGIRI	0830	35	1010.3	1006.3	+0.3	28.0	24.0	22.0	26.6	70	- 3	2.5	-0.6	6.1	0	0	28	05	1	7	6	0	1	0	1	2	7
	1730	35	1007.1	1003.2	+0.2	30.5	25.6	23.5	28.9	66	- 1	1.8	-1.0	15.3	0	7	23	02	1	1	0	0	3	12	9	0	2
DEVGARH	0830	36	1010.1	1006.1	+0.0	27.9	24.9	23.5	28.9	77	+ 0	3.0	-0.7	7.9	0	1	25	05	6	8	4	0	0	0	3	4	0
	1730	36	1006.8	1002.8	+0.0	30.9	26.5	24.6	30.9	70	- 1	1.4	-1.6	25.0	0	18	12	02	0	0	1	1	3	5	18	0	0
VENGURLA	0230	9	1008.8	1007.8	..	26.3	23.9	22.7	27.7	81	..	1.7	..	1.5	0	0	12	09	1	0	0	0	0	1	1	18	0
	0530	9	1008.4	1007.4	..	25.5	23.5	22.5	27.3	84	..	2.2	..	2.1	0	0	15	11	3	1	0	0	0	0	0	15	0
	0830	9	1010.7	1009.7	+0.1	28.9	24.6	22.5	27.3	68	- 3	2.3	-0.6	3.5	0	0	24	04	6	5	3	5	0	0	1	6	0
	1130	9	1010.7	1009.7	..	31.9	25.8	22.9	28.3	59	..	1.4	..	6.9	0	0	30	00	0	0	0	3	16	10	1	0	0
	1730	9	1007.1	1006.1	+0.1	30.6	25.3	22.9	27.9	64	- 1	2.1	-0.7	9.7	0	1	29	02	0	1	0	1	6	15	5	0	0
	2330	9	1010.0	1009.0	..	27.6	24.4	22.9	27.9	76	..	1.7	..	2.5	0	0	15	07	0	0	1	0	0	0	7	15	0
PANJIM	0530	60	1008.1	1001.3	..	26.5	23.5	22.1	26.4	77	..	2.7	..	2.9	0	0	14	05	2	1	3	1	1	1	0	16	0
	0830	60	1010.4	1003.7	..	28.0	24.1	22.2	26.9	71	..	3.4	..	3.4	0	0	17	03	7	1	3	1	0	1	1	13	0
	1130	60	1010.3	1003.7	..	32.1	25.3	22.2	26.6	57	..	3.0	..	12.5	0	1	29	00	0	0	0	0	1	16	13	0	0
	1430	60	1007.8	1001.2	..	32.6	25.8	22.7	27.6	56	..	2.2	..	18.0	0	14	16	00	0	0	0	1	14	14	1	0	0
	1730	60	1006.8	1000.1	..	31.1	25.5	22.9	28.1	62	..	2.6	..	15.7	0	7	23	00	1	0	0	0	6	13	10	0	0
	2030	60	1008.8	1002.1	..	28.7	24.8	23.0	28.3	71	..	2.5	..	9.1	0	2	28	02	1	0	0	0	2	4	21	0	0
	2330	60	1009.7	1003.0	..	28.1	24.6	22.9	27.9	74	..	2.0	..	4.2	0	0	21	09	2	0	0	0	1	2	7	9	0
MORMUGAO	0530	62	1007.6	1000.7	..	27.4	24.2	22.7	27.6	76	..	3.3	..	10.7	0	1	27	09	7	2	2	3	2	1	2	2	0
	0830	62	1009.8	1002.9	-0.7	28.9	24.6	22.5	27.3	69	- 3	3.5	-0.1	7.7	0	0	29	08	7	0	3	5	3	1	1	2	0
	1130	62	1009.8	1002.9	..	30.4	25.3	23.0	27.9	65	..	2.5	..	13.3	0	1	29	00	0	0	0	1	11	15	3	0	0
	1730	62	1006.2	999.4	-0.8	30.2	25.8	23.9	29.7	69	+ 0	3.0	+0.0	18.5	0	9	21	00	0	0	0	0	5	13	11	0	0
DABOLIM (NAVAL AIR STN.)	0530	52	1008.4	1002.5	..	26.8	24.2	22.6	28.1	78	..	3.4	..	..	0	3	15	02	6	5	2	1	0	1	1	12	0
	0830	52	1010.4	1004.6	..	28.5	24.5	22.5	27.4	70	..	3.6	..	..	0	0	24	02	5	4	1	4	6	1	1	6	0
	1130	52	1010.4	1004.7	..	30.8	25.1	22.5	27.3	62	..	2.5	..	..	0	8	22	00	0	0	0	0	8	15	7	0	0
	1730	52	1006.9	1001.2	..	30.5	25.5	23.1	28.6	65	..	2.6	..	..	0	22	8	05	1	0	0	0	0	11	13	0	0
	2330	52	1009.7	1003.9	..	28.5	25.0	23.3	28.9	74	..	3.2	..	..	0	5	24	14	2	2	1	0	1	3	6	1	0
MADHYA MAHARASHTRA																											
NANDURBAR	0830	206	1010.6	987.4	+0.9	29.6	19.8	12.0	15.1	38	-10	0.0	-1.3	9.1	0	3	26	00	1	5	1	0	16	4	2	1	0
	1730	206	1005.2	982.9	+1.0	38.2	22.2	11.5	13.7	21	- 3	0.0	-1.7	6.9	0	0	29	03	0	1	1	0	10	6	8	1	0
JALGAON	0830	201	1009.5	987.0	+0.6	28.9	17.5	6.3	10.8	28	-11	1.4	+0.2	17.1	0	12	18	00	2	5	2	1	3	9	8	0	0
	1730	201	1004.0	982.4	+0.8	39.6	19.8	0.6	7.0	10	- 4	1.8	-0.5	18.0	0	12	18	04	3	0	0	0	0	12	11	0	0
MALEGAON	0830	437	1010.3	961.9	+0.8	28.0	17.7	9.2	11.9	32	- 1	2.8	+1.5	7.6	0	1	29	03	2	1	0	0	2	10	12	0	0
	1730	437	1004.2	957.5	+0.8	36.7	20.2	6.8	10.2	17	+ 2	3.5	+0.8	13.3	0	8	22	06	4	1	0	1	0	3	15	0	0
OZAR	0530	608	1009.0	941.2	..	20.8	15.2	10.3	13.2	54	..	1.5	..	12.5	0	4	25	01	0	1	1	0	3	16	7	1	0
	0830	608	1009.7	943.3	..	27.3	18.5	12.1	14.9	42	..	1.7	..	11.6	0	5	21	02	1	3	2	0	1	6	11	4	0
	1130	608	1008.2	943.1	..	33.8	20.8	12.2	15.1	29	..	1.5	..	15.8	0	11	18	01	3	7	3	1	0	5	9	1	0
	1430	608	1004.8	940.5	..	36.1	21.5	11.8	14.9	25	..	2.5	..	19.4	0	11	19	01	0	6	3	1	4	6	9	0	0
	1730	608	1004.0	939.3	..	34.4	20.9	12.8	14.9	30	..	2.8	..	25.9	0	21	9	00	2	3	2	0	2	9	12	0	0
AHMADNAGAR	0830	657	1009.3	937.6	+0.1	27.1	17.2	9.2	12.3	35	+ 1	1.1	-0.5	7.3	0	1	24	00	2	0	1	0	1	0	21	5	0
	1730	657	1002.2	933.1	+0.0	37.0	20.8	9.8	12.7	22	+ 4	3.7	+0.6	10.7	0	2	27	00	9	0	3	0	3	0	14	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD.)																											
POONA AERODROME	0230	593	1008.3	942.7	..	24.0	16.7	11.4	13.7	49	..	0.8	..	9.5	0	1	22	01	0	0	0	1	1	18	2	7	0
	0530	593	1008.8	942.7	..	22.0	15.9	11.0	13.7	52	..	1.2	..	9.1	0	0	22	00	0	0	0	0	0	19	3	8	0
	0830	593	1010.0	944.6	..	25.8	17.6	11.5	14.1	43	..	1.9	..	9.8	0	6	14	00	0	0	0	1	0	17	2	10	0
	1130	593	1007.9	944.4	..	33.8	18.6	6.3	10.3	20	..	1.3	..	13.7	0	7	22	03	7	3	1	1	2	5	5	1	2
	1730	593	1003.5	940.4	..	34.9	19.6	8.0	11.6	23	..	3.2	..	21.6	0	19	11	01	2	1	0	1	1	18	5	0	1
	2330	593	1008.9	943.7	..	25.9	18.1	12.6	15.1	46	..	0.7	..	14.7	0	4	26	00	0	0	1	3	0	25	1	0	0
POONA	0530	559	1009.3	946.7	..	21.0	15.8	11.8	14.2	57	..	1.4	..	1.5	0	0	8	00	0	0	0	0	1	6	1	22	0
	0830	559	1010.2	948.7	+0.4	26.7	18.4	12.7	15.1	44	+ 1	1.8	+0.2	1.3	0	0	8	00	0	0	0	0	0	5	3	22	0
	1130	559	1008.2	948.3	..	34.3	19.3	8.5	11.4	22	..	1.3	..	6.5	0	0	26	05	7	5	1	1	0	6	1	4	0
	1430	559	1004.4	945.2	..	37.1	20.5	9.0	11.9	20	..	2.9	..	7.4	0	0	28	01	3	4	3	0	1	11	5	2	0
	1730	559	1003.9	944.4	+0.4	34.9	20.8	11.6	14.2	28	+ 2	3.1	+0.5	10.6	0	4	22	02	0	2	0	0	0	14	8	4	0
	2030	559	1007.5	946.7	..	29.4	20.3	14.4	17.1	43	..	1.0	..	9.8	0	0	29	01	0	0	0	0	0	24	4	1	0
	2330	559	1009.1	947.5	..	26.3	18.7	13.6	15.9	47	..	1.0	..	2.9	0	0	13	00	0	0	0	1	0	11	1	17	0
JEUR	0830	521	1009.2	952.1	+0.3	28.8	18.6	11.5	13.9	36	- 9	1.8	-0.5	8.8	0	0	30	16	3	1	1	1	1	2	5	0	0
	1730	521	1002.1	947.1	+0.2	37.8	21.1	10.2	12.8	20	- 4	4.7	+0.7	10.9	0	2	28	09	5	3	1	2	2	1	7	0	0
BARAMATI	0830	551	1010.2	949.7	+1.0	27.3	19.5	14.4	16.9	47	+ 2	0.4	-1.5	7.0	0	0	30	07	2	1	1	2	0	8	9	0	0
	1730	551	1002.7	944.4	+0.4	37.0	22.3	13.8	16.1	26	+ 4	2.5	-1.2	12.2	0	6	23	01	3	2	1	3	5	4	10	1	0
SHOLAPUR	0530	479	1007.7	954.7	..	25.7	18.3	13.3	15.7	48	..	1.9	..	4.1	0	0	23	01	7	1	5	2	2	4	1	7	0
	0830	479	1009.5	957.1	+0.6	29.4	20.4	14.8	17.4	43	+ 2	1.9	+0.0	4.9	0	0	23	01	8	0	6	0	3	0	5	7	0
	1130	479	1007.6	956.3	..	36.0	21.7	13.2	15.5	26	..	1.7	..	7.7	0	0	29	03	8	5	5	3	4	0	1	1	0
	1430	479	1003.9	953.2	..	38.2	22.2	12.8	15.0	23	..	3.1	..	6.0	0	0	29	02	7	7	4	0	3	2	4	1	0
	1730	479	1002.4	951.7	+0.4	37.9	22.1	12.9	15.0	23	+ 1	3.4	-0.3	5.5	0	1	27	02	3	7	1	1	5	5	4	2	0
	2330	479	1007.6	955.2	..	30.0	20.2	14.2	16.5	41	..	2.4	..	6.3	0	1	26	00	4	2	9	1	4	1	6	3	0
MIRAJ	0830	554	1010.3	949.3	+0.5	25.8	20.9	18.2	21.0	64	+ 0	3.1	+1.1	..	0	0	10	00	0	5	0	0	0	5	0	20	0
	1730	554	1003.0	944.4	+0.6	36.3	24.4	18.7	21.8	37	+ 6	4.9	+0.8	..	0	0	21	00	0	5	1	0	0	13	2	9	0
KOLHAPUR	0530	570	1008.5	945.2	..	22.5	19.0	16.6	19.5	72	..	2.3	..	4.8	0	2	18	01	2	2	0	0	2	13	0	10	0
	0830	570	1009.8	947.0	+0.1	25.3	19.9	16.4	19.3	61	- 2	2.0	-0.3	3.9	0	0	20	00	2	2	0	0	0	13	3	10	0
	1130	570	1008.1	947.0	..	33.3	20.7	12.6	15.3	31	..	1.4	..	9.3	0	3	26	02	16	0	0	0	1	7	3	1	0
	1730	570	1003.6	942.8	+0.2	34.2	22.3	15.6	18.2	36	- 2	3.1	-0.5	19.3	0	18	11	02	0	0	0	0	4	17	6	1	0
	2330	570	1009.1	946.3	..	25.0	20.5	17.8	20.8	66	..	1.7	..	7.7	0	0	29	00	2	1	0	0	1	24	1	1	0
UDGIRI	0830		..	..	..	25.0	17.5	11.3	13.9	43	..	1.5	..	7.1	0	0	29	07	9	3	4	0	0	2	4	1	0
	1730		..	..	..	27.7	21.3	17.7	20.6	56	..	1.7	..	7.3	0	0	30	01	0	0	0	0	13	12	4	0	0
MARATHWADA																											
AURANGABAD	0830	581	1009.7	946.4	+0.4	29.1	17.7	9.0	11.9	31	- 3	1.9	+0.3	9.0	0	4	20	04	6	3	0	1	1	8	1	6	0
	1730	581	1003.2	941.8	+0.1	36.9	20.2	8.5	11.4	19	- 1	3.2	+0.2	8.7	0	2	26	06	1	3	1	1	1	7	8	2	0
AURANGABAD(CHIKALTHAN)	0230	579	1007.1	943.5	..	25.6	15.8	7.7	10.8	34	..	2.3	..	12.8	0	3	24	05	1	1	2	1	0	8	9	3	0
	0530	579	1008.2	944.0	..	23.5	14.7	7.4	10.4	36	..	2.2	..	8.9	0	1	20	02	1	0	2	0	0	11	5	9	0
	0830	579	1009.0	946.0	+0.3	29.3	17.6	8.5	11.5	29	- 7	2.0	+0.4	15.9	0	3	26	04	3	3	1	0	0	8	10	1	0
	1130	579	1007.6	945.7	..	34.9	19.7	8.7	11.9	21	..	1.8	..	18.9	0	9	21	03	11	3	4	1	0	1	7	0	
	1430	579	1004.2	942.9	..	37.1	20.8	10.0	12.6	20	..	3.7	..	16.7	0	7	23	06	7	4	0	0	2	7	4	0	0
	1730	579	1002.8	941.6	+0.4	36.6	20.4	9.4	12.1	20	- 4	3.3	-0.3	16.9	0	6	24	07	2	2	1	0	2	5	11	0	0
	2030	579	1006.2	943.6	..	30.7	17.8	7.8	10.9	25	..	2.5	..	14.2	0	3	26	14	1	0	1	1	0	5	7	1	0
	2330	579	1007.7	944.6	..	28.4	17.4	8.9	11.9	31	..	2.3	..	16.1	0	9	18	08	2	1	0	0	1	4	11	3	0
PARBHANI	0830	423	1009.6	962.9	+0.2	29.0	19.0	11.7	13.8	36	- 1	1.8	-0.1	8.7	0	0	28	04	1	1	1	2	6	6	7	2	0
	1730	423	1003.0	958.0	+0.4	38.3	22.0	10.5	13.1	20	- 1	3.7	+0.0	9.7	0	2	28	07	3	3	5	1	1	8	2	0	0
NANDER	0830	358	1008.8	969.4	..	31.2	21.3	14.7	17.3	39	..	0.5	..	3.4	0	0	21	00	0	4	0	8	0	9	0	9	0
	1730	358	1002.9	964.8	..	39.4	24.6	15.7	18.8	27	..	0.5	..	3.9	0	0	20	04	0	0	3	1	3	9	0	10	0
BIR	0830	519	1010.0	953.2	..	28.6	20.5	15.5	18.2	46	..	1.3	..	6.5	0	0	29	00	2	0	3	0	7	0	17	1	0
	1730	519	1003.1	948.1	..	37.5	23.9	16.7	19.7	31	..	2.6	..	8.1	0	0	29	00	10	0	2	0	2	0	15	1	0
VIDARBHA																											
GONDIA	0830	313	1008.9	974.4	+0.0	29.8	19.2	10.9	13.7	32	- 7	1.2	-1.1	2.5	0	0	20	02	2	1	0	2	9	0	4	10	0
	1730	313	1003.3	969.7	+0.3	37.1	20.1	6.9	9.7	16	- 4	1.9	-1.0	3.4	0	0	22	08	2	1	2	1	3	2	3	8	0
NAGPUR(SONEGAON)	0230	310	1006.3	971.6	..	25.9	17.6	10.8	13.4	40	..	0.9	..	6.7	0	1	22	05	3	0	1	1	4	0	9	7	0
	0530	310	1007.2	972.3	..	23.9	16.8	11.1	13.4	46	..	1.9	..	4.0	0	0	20	04	1	0	0	0	4	4	7	10	0
	0830	310	1009.0	974.7	+0.3	30.5	19.6	11.3	13.9	32	- 5	1.7	-0.8	8.3	0	2	27	07	4	3	2	4	2	1	6	1	0
	1130	310	1007.6	974.1	..	36.8	21.8	11.3	13.8	23	..	1.4	..	10.5	0	2	28	06	5	6	0	3	5	1	4	0	0
	1430	310	1004.1	970.9	..	38.7	22.2	11.2	13.3	19	..	2.9	..	10.9	0	2	26	02	4	4	2	3	3	3	7	2	0
	1730	310	1002.9	969.6	+0.2	37.0	21.7	10.6	13.5	21	- 2	3.0	-0.7	9.7	0	4	23	04	4	2	3	2	2	5	5	3	0
	2030	310	1005.7	971.6	..	30.8	19.8	11.9	14.1	32	..	1.7	..	7.5	0	3	21	04	0	2	8	3	1	2	4	6	0
	2330	310	1006.9	972.5	..	28.4	18.9	11.7	14.1	37	..	1.4	..	7.5	0	1	22	03	3	0	1	3	4	3	6	7	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1967. (CHAITRA 11 - VAISAKHA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or Mt. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA (CONTD)																											
AMRAOTI	0830	370	1008.8	968.1	+0.4	29.9	19.2	11.0	13.6	33	+ 3	1.4	-0.5	4.2	0	0	28	02	4	3	2	2	7	5	3	2	0
	1730	370	1002.9	963.4	+0.4	38.1	22.3	10.3	14.0	22	- 1	2.3	-1.6	4.1	0	0	30	04	1	2	1	2	5	8	7	0	0
AKOLA AERODROME	0530	309	1006.9	972.1	..	24.7	14.2	1.9	7.7	25	..	1.8	..	4.8	0	0	28	03	4	0	1	2	7	8	3	2	0
	0830	309	1008.6	974.3	..	29.7	16.9	4.2	8.9	23	..	1.9	..	6.8	0	0	30	01	4	2	0	0	3	13	7	0	0
	1130	309	1007.6	974.1	..	36.4	19.2	3.2	8.2	14	..	1.6	..	7.4	0	0	29	04	4	2	0	2	0	11	6	1	0
	1430	309	1004.0	971.0	..	39.3	19.9	1.5	7.4	11	..	2.9	..	7.3	0	0	29	05	2	2	2	1	4	4	9	1	0
	1730	309	1002.6	969.6	..	38.9	19.4	0.9	6.7	11	..	3.0	..	6.7	0	0	28	02	3	0	0	2	3	7	11	2	0
	2030	309	1004.9	971.2	..	33.2	17.2	0.3	6.7	14	..	2.0	..	6.7	0	1	29	03	3	2	0	0	1	15	6	0	0
	2330	309	1006.4	972.2	..	29.7	16.0	0.1	7.1	18	..	1.9	..	5.7	0	0	29	00	6	4	0	0	2	9	8	1	0
AKOLA	0830	282	1009.0	977.7	+0.5	29.5	18.7	10.2	12.8	32	+ 2	1.7	+0.1	1.8	0	0	21	01	1	0	2	1	5	5	6	9	0
	1730	282	1002.6	972.5	+0.3	39.4	22.3	10.2	12.9	17	+ 1	2.4	-0.1	1.8	0	0	20	00	2	0	2	0	4	5	7	10	0
BRAMHAPURI	0830	229	1009.5	983.9	-0.1	28.3	21.1	16.6	19.1	51	+ 3	1.1	-1.4	4.1	0	0	27	03	3	1	5	9	5	1	0	3	0
	1730	229	1003.5	978.9	-0.1	38.0	22.4	11.4	14.3	23	+ 0	2.7	-0.4	6.1	0	0	29	04	3	1	4	8	6	0	3	1	0
BULDANA	0830	650	1008.9	938.2	+0.5	28.0	19.9	14.5	17.3	47	+ 8	1.7	-0.5	10.3	0	0	29	08	0	3	0	0	6	1	11	1	0
	1730	650	1002.8	934.1	+0.2	35.7	23.3	16.1	19.5	34	+10	2.9	-0.8	6.1	0	0	30	02	1	0	0	0	1	1	25	0	0
YEOTMAL	0830	451	1008.4	959.1	+0.2	30.8	18.1	6.4	10.4	24	-13	1.9	-0.9	9.3	0	0	30	04	4	2	1	4	6	4	5	0	0
	1730	451	1002.1	954.2	-0.1	37.6	19.6	3.2	8.2	13	-11	3.2	-0.7	7.7	0	1	28	08	2	1	1	0	1	9	7	1	0
CHANDRAPUR	0830	193	1009.0	987.4	+0.2	28.9	20.9	15.8	18.2	46	+ 5	1.5	-0.5	5.3	0	0	28	00	3	7	6	4	2	2	4	2	0
	1730	193	1003.3	982.4	+0.3	37.6	22.1	11.4	13.9	22	- 1	2.5	-0.8	5.5	0	1	27	03	4	6	6	4	3	1	1	2	0
PUSAD	0830	334	1009.9	973.0	..	30.6	20.5	13.2	15.9	36	..	2.0	..	1.7	0	0	17	00	4	0	0	0	4	2	7	13	0
	1730	334	1004.4	968.6	..	38.8	23.5	14.0	16.5	25	..	3.3	..	3.5	0	0	25	00	6	0	2	4	7	0	6	5	0
SIRONCHA	0830	123	1010.0	996.1	+0.2	29.3	23.5	20.5	24.1	60	+ 7	2.1	-0.5	1.9	0	0	25	00	0	0	21	0	3	0	1	5	0
	1730	123	1004.0	990.7	+0.6	38.6	24.6	17.0	19.5	29	+ 4	1.9	-1.3	1.9	0	0	26	02	3	0	4	3	6	3	5	4	0
WARDHA	0830	283	1008.9	977.6	..	31.6	18.5	6.8	10.7	23	..	1.9	..	4.1	0	0	30	07	6	2	2	4	3	2	4	0	0
	1730	283	1003.2	972.8	..	38.4	20.3	4.6	9.0	14	..	3.4	..	7.0	0	1	29	07	2	1	1	2	4	5	8	0	0
BHANDARA	0830		..	..	..	29.7	20.1	13.1	15.7	39	..	.	..	3.3	0	0	26	01	4	4	5	6	3	1	2	4	0
	1730		..	..	..	38.2	22.7	12.2	14.9	23	..	.	..	3.1	0	0	26	00	8	1	2	0	6	6	2	4	1
COASTAL ANDHRA PRADESH																											
KALINGAPATAM	0830	6	1009.8	1009.2	+0.4	29.3	25.8	24.5	30.7	74	- 3	2.5	-1.1	15.1	0	8	22	02	1	0	0	8	8	3	3	0	5
	1730	6	1006.2	1005.6	+0.5	29.1	26.5	25.1	31.9	76	+ 0	3.2	-1.0	17.1	0	10	20	01	0	0	0	8	8	0	0	0	13
VISHAKHAPATNAM	0230	3	1007.5	1007.1	..	27.1	25.0	24.0	29.8	83	..	1.4	..	5.5	0	2	20	00	0	0	1	0	7	10	3	8	1
	0530	3	1008.2	1007.8	..	26.2	24.5	23.7	29.3	86	..	2.8	..	2.9	0	0	15	02	0	0	0	0	6	3	2	15	2
	0830	3	1010.3	1009.9	+0.5	30.0	25.6	23.6	29.1	69	- 4	2.7	-0.4	11.3	0	7	22	01	0	0	0	3	16	7	2	1	0
	1130	3	1009.7	1009.3	..	33.9	26.7	23.4	28.8	55	..	2.2	..	18.3	0	15	15	00	0	1	2	12	13	2	0	0	0
	1430	3	1006.9	1006.5	..	34.1	26.7	23.5	28.9	55	..	2.2	..	22.6	0	22	8	00	0	1	1	9	18	1	0	0	0
	1730	3	1006.6	1006.2	+0.5	30.9	26.2	24.1	30.0	68	-12	3.8	-0.1	16.7	0	8	22	00	0	0	1	10	19	0	0	0	0
	2030	3	1008.6	1008.2	..	29.1	26.2	25.0	31.7	79	..	2.3	..	8.0	0	3	24	00	0	0	0	4	22	1	0	3	0
	2330	3	1008.7	1008.3	..	28.1	25.6	24.5	30.7	81	..	1.5	..	6.1	0	1	20	00	0	0	0	1	13	5	0	9	2
KAKINADA	0830	8	1010.7	1009.8	+0.4	29.7	26.1	24.5	30.7	74	+ 1	3.4	-0.3	7.7	0	0	30	00	3	1	11	1	12	0	2	0	0
	1730	8	1006.3	1005.4	+0.4	32.3	26.4	23.8	29.5	62	- 3	2.3	+0.0	12.4	0	0	30	00	1	0	25	2	2	0	0	0	0
NIDADAVOLE	0830	12	1010.5	1009.1	+0.0	28.3	26.1	24.7	31.1	80	+ 3	4.8	-0.8	3.3	0	0	29	02	3	4	2	2	10	3	2	1	1
	1730	12	1006.3	1004.9	+0.2	33.3	25.9	22.9	27.9	55	- 1	3.4	-0.1	3.9	0	0	29	00	0	0	6	6	17	0	0	1	0
RENTACHINTALA	0830	106	1008.9	997.4	+0.6	30.5	24.2	20.6	24.3	56	- 5	3.5	+0.3	9.0	0	0	26	02	0	6	0	15	0	3	0	4	0
	1730	106	1004.6	993.0	+1.0	34.8	24.0	17.0	19.4	31	+ 3	2.5	-1.1	2.3	0	0	26	03	0	7	0	15	0	1	0	4	0
GANNAVARAM	0230	24	1007.4	1004.7	..	25.7	24.6	24.0	29.8	90	..	2.2	..	3.6	0	1	15	00	0	6	2	7	0	1	0	14	0
	0530	24	1008.0	1005.3	..	25.2	24.4	24.1	30.0	94	..	3.2	..	2.1	0	0	11	00	0	5	3	2	1	0	0	19	0
	0830	24	1010.4	1007.7	+0.4	28.8	26.1	24.9	31.5	80	+ 8	4.0	-0.1	6.7	0	0	28	00	0	2	8	8	10	0	0	2	0
	1130	24	1009.8	1007.1	..	33.7	25.9	22.4	27.1	52	..	2.5	..	8.9	0	1	26	00	0	0	4	15	6	1	1	3	0
	1430	24	1006.7	1004.1	..	35.7	25.5	20.6	24.3	42	..	2.1	..	9.5	0	2	27	01	0	2	5	19	2	0	0	1	0
	1730	24	1006.0	1003.3	+0.6	33.5	24.9	20.6	24.3	48	+ 3	2.5	-0.1	14.2	0	6	23	00	0	0	6	22	1	0	0	1	0
	2030	24	1008.3	1005.6	..	28.4	25.1	23.6	29.1	75	..	1.9	..	7.4	0	0	25	00	0	1	5	19	0	0	0	5	0
	2330	24	1008.9	1006.2	..	26.8	25.0	24.3	30.4	86	..	2.1	..	6.1	0	1	20	01	0	6	4	8	2	0	0	9	0
MASULIPATAM	0830	3	1010.4	1010.1	+0.5	28.9	26.1	25.0	31.7	80	+ 5	5.1	+1.3	3.4	0	0	25	00	1	2	2	16	2	1	0	5	1
	1730	3	1006.8	1006.5	+0.8	30.8	27.0	25.4	32.4	74	+ 3	3.0	+1.1	4.8	0	0	30	00	0	3	0	6	10	0	0	0	5
ONGOLE	0830	12	1009.9	1008.6	+0.1	30.9	26.1	23.9	29.7	67	-11	3.4	+0.2	4.0	0	0	30	00	3	0	26	0	0	0	1	0	0
	1730	12	1005.9	1004.7	+0.4	31.8	26.5	24.1	30.0	64	-13	2.4	+0.0	4.9	0	0	30	00	0	0	30	0	0	0	0	0	0
NELLORE	0530	20	1007.9	1005.7	..	25.8	24.7	24.4	30.5	92	..	3.1	..	3.4	0	0	24	00	0	2	20	1	1	0	0	6	0
	0830	20	1009.9	1007.7	+0.4	29.7	25.9	24.1	30.0	72	+ 3	4.1	+0.9	8.0	0	2	27	00	0	0	24	3	1	1	0	1	0
	1130	20	1009.5	1007.1	..	34.9	26.6	22.9	27.9	51	..	2.0	..	9.5	0	0	30	00	0	3	17	3	3	0	4	0	0
	1430	20	1006.5	1004.5	..	36.0	27.9	24.4	30.5	52	..	2.3	..	11.0	0	0	30	00	0	1	23	0	4	0	2	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1967. (CHAITRA 11 - VAISAKHA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
STAL ANDHRA PRADESH (CONTD.)																											
ELLORE. (CONTD.)	1730	20	1006.3	1004.1	+0.9	32.1	27.1	25.5	32.6	67	+ 5	3.1	+0.1	11.2	0	0	30	00	1	0	25	0	3	0	1	0	0
	2330	20	1008.8	1006.6	..	27.5	26.0	25.4	32.4	91	..	2.8	..	5.1	0	1	24	00	0	1	15	2	7	0	0	5	0
ANGANA																											
AMGUNDAM	0830	156	1009.2	991.8	+0.1	29.6	22.7	18.7	21.6	53	+ 3	1.4	-1.6	4.5	0	0	26	03	0	2	4	13	1	3	0	4	0
	1730	156	1003.7	986.8	+0.4	38.5	23.6	14.6	16.6	25	+ 2	1.6	-2.2	3.0	0	0	28	04	1	3	8	11	1	0	0	2	0
IZAMABAD	0830	381	1009.0	967.2	+0.6	30.3	20.3	13.5	15.5	37	- 4	1.2	-0.8	0.6	0	0	8	00	1	0	1	0	6	0	0	22	0
	1730	381	1003.0	962.4	+0.5	37.8	22.0	11.1	13.2	21	+ 0	0.8	-2.1	2.1	0	0	16	02	3	1	1	0	3	0	6	14	0
ANAMKONDA	0830	269	1009.5	979.5	+0.1	27.6	22.9	20.5	24.1	66	+ 4	1.7	-0.8	2.1	0	0	29	02	0	0	7	18	0	2	0	1	0
	1730	269	1004.9	976.3	+1.6	36.7	22.7	13.8	15.8	27	+ 1	1.2	-1.3	2.0	0	0	30	05	3	1	11	6	1	1	2	0	0
AKIPPET AERODROME	0530	613	1007.5	940.3	..	25.3	20.1	17.3	19.7	63	..	3.6	..	10.8	0	0	30	00	1	4	6	6	8	3	2	0	0
	0830	613	1008.7	942.1	..	28.6	21.2	17.0	19.7	51	..	3.3	..	14.3	0	4	26	02	0	2	4	4	8	6	4	0	0
	1130	613	1007.5	942.0	..	33.8	21.9	15.2	17.5	34	..	2.2	..	15.4	0	5	25	03	1	4	5	2	8	4	3	0	0
	1730	613	1004.2	938.9	..	33.9	21.6	14.6	16.7	33	..	4.2	..	17.2	0	10	20	01	2	4	12	2	3	0	6	0	0
	2330	613	1007.3	940.8	..	28.4	20.6	16.1	18.5	49	..	2.3	..	16.7	0	8	21	01	1	2	12	8	3	0	2	1	0
HADRACHALLAM	0830	111	1009.6	997.0	-0.8	28.0	24.0	22.3	26.6	72	+ 4	2.8	-0.8	3.6	0	0	30	01	18	1	8	1	0	0	1	0	0
	1730	111	1004.5	992.4	+0.2	36.3	24.0	17.4	19.7	35	+ 6	2.9	-0.8	3.4	0	0	30	00	22	0	5	0	2	0	1	0	0
YDERABAD (BEGAMPET)	0230	545	1006.6	947.0	..	27.0	20.5	16.9	19.3	54	..	2.7	..	6.1	0	1	20	02	0	2	10	4	1	1	1	9	0
	0530	545	1007.7	947.7	..	25.2	20.0	17.0	19.6	62	..	4.1	..	5.0	0	0	17	01	1	2	4	3	0	2	4	13	0
	0830	545	1009.3	949.9	+0.6	29.0	20.9	16.3	18.5	48	- 3	3.7	+1.2	8.2	0	2	23	01	0	2	5	2	9	3	3	5	0
	1130	545	1007.6	949.4	..	34.8	21.8	14.3	16.6	30	..	2.4	..	10.1	0	3	26	05	1	1	5	7	6	2	2	1	0
	1730	545	1003.4	945.5	+1.0	35.1	21.2	12.6	14.6	28	- 3	4.7	+1.0	13.5	0	5	23	03	3	3	9	5	2	0	3	2	0
	2330	545	1007.7	948.3	..	28.8	20.4	15.6	17.8	45	..	2.5	..	7.8	0	2	22	01	0	2	12	4	2	1	2	6	0
HAMMAM	0830	112	1009.9	997.4	+0.2	28.9	24.5	22.4	27.1	68	- 5	3.4	-0.1	2.0	0	0	18	00	0	2	13	3	0	0	0	12	0
	1730	112	1004.9	993.1	+1.2	35.5	25.0	19.6	22.8	41	+10	4.0	+0.9	1.1	0	0	10	00	0	6	1	2	0	1	0	20	0
AHBUBNAGAR	0830	505	1008.7	953.6	-0.1	30.0	21.4	16.1	18.3	47	- 6	3.4	+0.6	7.1	0	0	30	03	2	7	3	1	6	3	5	0	0
	1730	505	1003.1	949.4	+0.2	35.6	21.5	12.5	14.5	27	- 3	5.1	+1.3	7.4	0	1	29	01	7	8	3	4	3	2	2	0	0
ALASEEMA																											
URNOOL	0830	281	1009.6	978.5	+0.6	30.2	21.8	16.7	19.0	46	- 3	2.7	+0.3	6.7	0	2	28	00	10	0	10	0	8	0	2	0	0
	1730	281	1003.6	973.3	+0.5	37.1	21.9	11.5	12.7	24	+ 0	5.0	+1.5	7.9	0	3	23	00	6	0	10	0	5	0	1	4	4
ANDYL	0830	212	1009.7	986.2	..	30.7	23.8	20.3	23.8	48	..	1.9	..	6.2	0	0	29	01	4	4	7	8	2	2	1	1	0
	1730	212	1003.6	980.7	..	36.9	23.2	15.6	17.1	29	..	3.1	..	13.3	0	6	24	02	2	17	2	4	1	1	1	0	0
NANTAPUR	0530	350	1007.2	968.4	..	26.5	22.0	19.5	22.7	66	..	2.6	..	7.3	0	0	20	00	0	3	5	3	5	3	1	10	0
	0830	350	1009.3	970.7	+0.5	29.5	23.9	21.1	25.0	61	+ 9	1.9	-1.0	6.5	0	0	21	01	1	2	5	1	5	5	1	9	0
	1130	350	1007.7	970.1	..	34.9	24.7	19.2	22.2	41	..	2.1	..	6.1	0	0	19	01	4	4	4	0	2	0	4	11	0
	1430	350	1004.2	966.8	..	37.7	25.2	18.4	21.1	34	..	2.8	..	7.7	0	1	21	02	7	8	3	0	0	0	2	8	0
	1730	350	1002.7	965.4	+0.4	37.7	25.1	18.3	21.0	34	+11	3.2	-0.5	9.3	0	6	17	03	9	7	2	0	0	0	2	7	0
	2030	350	1005.8	968.1	..	33.3	23.4	17.7	20.2	42	..	2.9	..	7.7	0	4	13	01	0	9	6	0	1	0	0	13	0
	2330	350	1007.2	968.9	..	30.8	23.1	18.8	21.7	50	..	3.1	..	10.9	0	5	18	00	1	6	11	1	2	1	1	7	0
UDDAPAH	0830	130	1009.7	995.3	+0.3	31.7	23.8	19.7	22.9	50	- 6	1.8	-0.5	1.3	0	0	9	00	0	5	3	0	0	1	0	21	0
	1730	130	1004.2	990.0	+0.4	37.7	23.3	14.8	16.8	26	-14	2.4	-0.8	4.5	0	0	26	00	1	14	10	0	0	1	0	4	0
ROGYAVARAM	0830	701	1009.0	932.9	-0.3	27.1	21.1	17.9	20.5	58	- 8	2.5	-1.0	7.4	0	0	28	01	1	0	19	1	2	1	3	2	0
	1730	701	1003.9	929.3	+0.3	32.4	21.2	14.7	16.7	36	+ 2	5.0	+0.3	10.0	0	1	28	00	9	0	18	0	2	0	0	1	0
RAS STATE (INCLUDING PONDICHERRY																											
ADRAS	0830	6	1010.6	1009.9	+0.6	29.4	26.1	24.7	31.1	76	+ 4	3.0	-1.2	6.5	0	0	27	00	0	1	3	10	9	4	0	3	0
	1730	6	1006.7	1006.0	..	30.5	26.3	24.6	30.9	71	..	3.0	..	8.0	0	0	30	00	0	6	16	7	1	0	0	0	0
ADRAS (MINAMBAKKAM)	0230	16	1008.0	1006.3	..	26.8	25.3	24.7	31.1	88	..	2.2	..	5.3	0	0	19	00	0	0	7	8	1	3	0	11	0
	0530	16	1008.6	1006.8	..	26.1	24.9	24.3	30.4	90	..	2.8	..	5.9	0	0	23	00	0	0	1	15	2	5	0	7	0
	0830	16	1010.5	1008.8	+0.4	29.6	25.8	24.2	30.2	73	+ 1	3.4	-0.8	10.7	0	1	28	00	0	0	3	19	4	3	0	1	0
	1130	16	1009.9	1008.1	..	33.7	26.0	22.4	27.1	52	..	3.2	..	12.2	0	3	27	00	0	1	6	17	6	0	0	0	0
	1430	16	1007.1	1005.4	..	34.7	26.9	23.5	28.9	53	..	2.7	..	18.3	0	15	15	00	0	6	17	5	2	0	0	0	0
	1730	16	1006.7	1005.0	+0.7	31.4	26.3	24.1	30.0	65	- 3	2.8	-0.3	15.8	0	8	22	00	1	7	17	4	1	0	0	0	0
	2030	16	1008.8	1007.1	..	28.7	25.9	24.8	31.3	80	..	1.2	..	12.1	0	1	29	00	0	5	18	6	1	0	0	0	0
	2330	16	1009.4	1007.7	..	27.7	25.6	24.7	31.1	84	..	1.7	..	8.5	0	0	26	00	0	1	13	11	0	1	0	4	0
ELLORE	0530	214	1008.8	984.6	..	24.6	22.7	21.8	25.9	84	..	2.6	..	0.7	0	0	3	00	0	0	1	0	2	0	0	27	0
	0830	214	1010.7	986.7	+0.8	27.7	23.6	21.6	25.8	70	+ 1	2.9	-0.4	3.0	0	0	21	00	0	0	1	2	7	9	2	9	0
	1130	214	1009.5	986.0	..	33.5	24.7	20.2	23.8	46	..	2.8	..	5.1	0	0	27	01	1	1	2	6	9	7	0	.3	0
	1730	214	1005.7	982.3	+1.1	34.4	23.2	16.8	19.3	36	- 3	3.4	-0.4	10.0	0	1	29	01	0	2	16	9	1	0	1	0	0
	2330	214	1009.5	985.6	..	28.0	23.8	21.8	26.1	69	..	1.4	..	4.8	0	0	20	00	0	0	11	9	0	0	0	10	0
AMBARAM AERODROME	0830	29	1010.1	100679	..	30.1	26.6	25.0	31.7	75	..	3.4	..	17.1	0	7	21	00	0	0	0	13	13	2	0	2	0
	1730	29	1006.8	1003.6	..	32.4	26.7	24.2	30.2	62	..	2.7	..	22.8	0	19	11	00	0	3	20	7	0	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gms. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MADRAS STATE (INCLUDING PONDICHERRY (CONTD.)																								
TIRUPPATTUR	0830	390	1011.7	967.8	+1.0	23.5	22.2	21.6	25.8	89	+17	7.4	+3.3	3.8	0	0	29	23	0	1	0	5	0	0
	1730	390	1007.4	964.2	+1.9	27.0	23.3	21.5	25.6	73	+27	7.6	+2.6	8.5	0	0	30	25	0	0	0	5	0	0
METTUR DAM R.S.	0830		..	..	..	28.8	23.9	21.6	25.8	65	..	2.4	..	3.7	0	0	30	00	5	0	14	0	7	0
	1730		..	..	..	31.3	28.9	28.1	38.0	83	..	6.9	..	4.1	0	0	30	00	6	0	8	0	11	0
CUDDALORE	0530	12	1008.6	1007.3	..	25.5	24.8	24.5	30.7	94	..	2.5	..	0.1	0	0	1	00	0	0	0	1	0	0
	0830	12	1010.7	1009.3	+0.4	29.2	26.2	25.0	31.5	78	+ 3	3.2	-0.9	3.0	0	0	14	00	0	0	6	5	3	0
	1130	12	1010.3	1009.0	..	32.0	27.4	25.6	32.8	70	..	2.9	..	7.0	0	0	29	00	1	4	21	2	1	0
	1430	12	1007.5	1006.2	..	31.8	27.8	26.2	34.0	72	..	2.2	..	9.5	0	0	29	00	1	2	26	0	0	0
	1730	12	1006.6	1005.2	+0.4	30.2	27.3	26.2	33.8	79	+ 6	3.4	-0.1	9.1	0	0	30	00	0	4	26	0	0	0
	2330	12	1009.4	1008.1	..	28.1	26.4	25.8	33.2	87	..	1.5	..	1.9	0	0	8	00	0	0	8	0	0	0
KALLAKKURICHCHI	0830	127	1010.3	996.1	+0.4	28.9	24.8	22.9	27.9	71	- 2	3.0	-0.4	4.0	0	0	23	00	0	0	14	0	4	1
	1730	127	1005.3	991.4	+0.6	35.7	24.7	17.5	20.0	35	-11	3.6	-0.2	7.3	0	0	29	00	2	11	15	0	0	0
SALEM	0530	278	1008.3	977.2	..	25.3	22.2	20.5	24.1	75	..	1.5	..	2.7	0	0	14	00	0	14	0	0	0	0
	0830	278	1010.3	979.3	+0.4	28.4	23.3	20.7	24.4	63	- 7	2.6	-0.5	2.1	0	0	13	00	1	8	2	0	0	0
	1130	278	1009.3	978.5	..	32.9	23.6	18.5	21.3	43	..	2.9	..	4.5	0	0	28	00	1	5	0	7	1	6
	1730	278	1004.5	974.4	+0.6	34.7	22.3	14.4	16.4	31	-10	4.7	+0.2	8.0	0	0	23	00	1	15	1	1	2	0
	2330	278	1008.9	977.7	..	28.7	22.9	19.8	23.1	59	..	2.8	..	9.3	0	0	25	00	0	20	2	2	0	1
COIMBATORE (PILAMEDU)	0530	399	1008.8	964.2	..	23.8	23.0	22.7	27.6	94	..	1.2	..	4.9	0	0	13	02	3	1	0	3	4	0
	0830	399	1010.8	966.3	+0.5	26.6	24.0	22.8	27.8	80	+ 7	2.9	-1.0	5.7	0	0	16	05	3	1	1	3	3	0
	1130	399	1009.4	965.9	..	31.8	24.8	21.4	25.8	55	..	3.2	..	8.0	0	1	17	02	6	4	2	2	1	1
	1430	399	1005.6	962.7	..	35.1	24.4	18.7	22.1	39	..	3.5	..	14.0	0	6	20	00	8	5	5	4	3	1
	1730	399	1004.8	962.1	+0.3	33.8	23.5	17.4	20.7	41	- 3	4.3	-0.8	18.0	0	9	21	00	10	9	3	3	4	1
	2030	399	1008.1	964.2	..	28.5	24.1	21.9	26.3	69	..	1.9	..	10.7	0	3	18	01	1	2	0	10	7	0
	2330	399	1009.3	965.0	..	26.2	24.3	23.3	28.8	85	..	1.3	..	10.0	0	4	17	00	1	1	1	9	8	1
COIMBATORE	0830	409	1010.2	965.0	+0.3	27.5	23.2	21.0	24.9	68	- 5	3.3	-0.4	4.6	0	0	30	01	12	0	0	6	10	0
NAGAPATTINAM	0830	9	1010.9	1009.8	+0.6	30.3	25.9	23.9	29.7	69	- 4	3.9	-0.6	9.1	0	1	26	00	2	5	10	4	5	1
	1730	9	1006.8	1005.7	+0.4	30.9	25.9	23.6	29.1	66	- 7	4.3	+0.6	15.6	0	6	24	00	2	6	18	3	1	0
TIRUCHCHIRAPPALLI	0230	88	1007.9	998.0	..	26.9	23.8	22.3	26.9	76	..	3.3	..	2.7	0	0	12	01	4	1	0	4	2	0
	0530	88	1008.2	998.2	..	25.8	23.5	22.4	27.1	82	..	3.6	..	2.1	0	0	10	01	4	0	0	2	1	1
	0830	88	1010.3	1000.4	+0.2	29.5	24.5	22.1	26.6	65	- 8	3.1	-0.7	6.9	0	1	22	01	4	2	1	4	2	6
	1130	88	1009.6	999.9	..	34.1	24.5	19.6	22.8	43	..	3.6	..	10.9	0	1	29	01	6	4	5	2	4	5
	1430	88	1006.2	996.6	..	38.8	23.8	16.3	18.5	30	..	3.9	..	15.6	1	4	25	01	15	5	6	3	0	0
	1730	88	1005.2	995.5	+0.3	35.6	23.6	16.7	19.0	34	- 8	3.7	-0.5	15.7	0	7	23	00	11	11	7	1	0	0
	2030	88	1007.9	998.1	..	30.9	24.1	20.7	24.4	55	..	2.9	..	17.6	0	1	29	00	0	6	19	3	1	1
	2330	88	1009.3	999.4	..	28.5	24.1	22.0	26.4	68	..	2.9	..	9.7	0	0	28	00	2	5	10	7	1	3
VEDARANNIYAM	0830	4	1010.7	1010.2	..	31.0	26.4	24.6	30.9	70	..	4.6	..	2.9	0	0	30	01	1	2	14	10	2	0
	1730	4	1007.3	1006.8	..	31.4	26.3	24.5	30.7	67	..	2.9	..	3.0	0	0	30	00	6	0	15	1	8	0
ATIRAMPATTINAM	0830	6	1010.2	1009.5	..	30.2	26.1	24.3	30.4	71	..	2.9	..	6.8	0	1	29	01	3	1	5	8	11	1
	1730	6	1006.5	1005.8	..	31.4	26.0	23.5	28.9	63	..	2.9	..	13.0	0	6	24	00	3	0	11	16	0	0
MADURAI	0830	133	1010.5	995.5	+0.4	28.8	24.8	23.0	28.1	71	+ 3	5.7	+1.1	3.8	0	0	30	04	8	4	3	0	2	3
MADURAI AERODROME	0530	131	1008.4	993.5	..	25.4	23.9	23.2	28.4	88	..	2.3	..	3.6	0	0	15	07	2	1	1	2	0	1
	0830	131	1010.3	995.6	+0.1	29.2	24.9	23.0	28.1	70	- 2	3.5	-0.9	8.0	0	0	27	09	9	3	2	0	1	0
	1130	131	1009.6	995.1	..	33.4	24.7	20.4	24.0	47	..	3.9	..	8.3	0	0	29	08	7	4	2	2	1	0
	1730	131	1005.5	991.1	+0.0	34.5	23.8	18.0	20.6	39	- 9	4.7	-0.6	14.8	0	9	20	01	9	12	4	1	0	2
TONDI	0830	5	1010.8	1010.2	+0.3	29.9	26.1	24.5	30.7	73	- 4	2.7	-2.7	8.4	0	2	21	00	1	4	8	5	3	0
	1730	5	1006.8	1006.2	+0.1	30.9	25.9	23.7	29.3	66	-12	3.2	-1.9	17.5	0	14	16	00	2	6	14	8	0	0
PAMBAN	0830	11	1010.3	1009.0	+0.1	29.8	27.7	26.9	35.4	85	+ 8	4.6	+0.6	12.4	0	2	28	00	1	2	6	12	8	0
	1730	11	1006.8	1005.5	+0.1	30.9	27.9	26.8	35.2	79	+ 3	2.9	-1.0	11.4	0	2	28	03	2	1	2	17	4	1
TUTICORIN	0830	4	1010.6	1010.2	+0.3	29.8	25.6	23.7	29.3	70	- 4	1.7	-1.7	6.7	0	0	30	05	4	3	1	2	1	9
	1730	4	1006.7	1006.3	+0.2	31.1	26.5	24.5	30.7	68	- 3	3.2	+0.1	21.0	0	17	13	00	0	5	11	13	0	1
PALAYANKOTTAI	0830	51	1010.7	1005.0	+0.7	30.2	25.0	22.5	27.4	64	- 5	3.8	-0.6	5.0	0	0	27	20	2	0	0	0	0	5
	1730	51	1006.5	1000.5	+0.2	33.2	25.1	21.3	25.2	52	- 6	4.3	-0.8	16.3	0	8	22	01	0	9	8	10	0	2
KANNIYAKUMARI	0830	37	1010.0	1005.9	..	29.4	25.2	23.3	28.6	70	..	4.3	..	11.0	0	2	28	01	6	1	0	1	2	17
	1730	37	1007.0	1002.9	..	30.6	26.0	24.1	30.0	68	..	4.8	..	14.0	0	8	22	00	1	4	1	4	8	10
COASTAL MYSORE																								
KARWAR	0830	4	1010.5	1010.0	+0.3	28.4	24.9	23.3	28.6	74	- 2	2.5	-0.8	2.8	0	0	28	01	3	20	1	0	0	1
	1730	4	1007.0	1006.5	+0.2	30.8	26.3	24.3	30.4	69	- 2	3.2	-0.1	8.5	0	0	30	00	0	0	0	0	2	11
HONAVAR	0830	26	1010.5	1007.5	-0.4	27.4	24.5	23.1	28.3	77	- 1	4.2	-0.2	3.9	0	0	28	00	7	20	[illegible]	[illegible]	0	0
	1730	26	1007.1	1004.2	-0.3	31.5	26.3	24.1	30.0	65	- 5	4.0	-0.3	8.2	0	0	30	00	0	0	0	0	1	25
MANGALORE (BAJPE)	0230	102	1008.4	996.9	..	26.7	24.3	23.2	28.4	81	..	3.7	..	1.7	0	0	6	00	0	4	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — APRIL 1967. (CHAITRA 11 - VAISAKHA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
STAL MYSORE (CONTD.)																											
ANGALORE (BAJPE). (CONTD.)	0530	102	1008.5	996.9	..	25.8	23.9	23.0	28.1	85	..	3.7	..	1.9	0	0	10	00	0	8	2	0	0	0	0	20	0
	0830	102	1010.3	998.9	-0.2	29.3	25.1	23.3	28.6	70	- 3	3.2	-0.3	5.7	0	0	21	01	2	13	3	0	0	0	0	9	2
	1130	102	1010.0	998.7	..	32.9	25.8	22.5	27.3	55	..	4.0	..	12.9	0	3	25	00	0	1	0	0	4	19	4	2	0
	1430	102	1007.0	995.8	..	33.2	26.1	23.0	28.1	55	..	3.4	..	27.8	0	30	0	00	0	0	0	0	1	27	2	0	0
	1730	102	1006.5	995.2	-0.3	31.1	25.9	23.6	29.1	64	- 2	4.4	+0.4	21.5	0	20	10	00	0	0	0	0	0	22	8	0	0
	2030	102	1008.9	997.5	..	28.5	25.1	23.5	28.9	75	..	4.2	..	9.4	0	0	28	02	0	1	0	0	0	4	21	2	0
	2330	102	1010.0	998.5	..	27.4	24.5	23.1	28.3	77	..	4.3	..	2.9	0	0	9	02	0	4	0	0	0	2	1	21	0
ANGALORE	0830	22	1010.4	1007.9	-0.2	29.2	25.1	23.3	28.6	71	- 2	2.8	-1.2	4.1	0	0	30	02	6	15	5	1	0	0	1	0	0
	1730	22	1006.9	1004.4	-0.2	31.3	26.6	24.6	30.9	68	- 1	3.8	-0.5	8.1	0	0	30	00	0	0	0	0	11	10	6	0	3
TERIOR MYSORE, NORTH																											
IDAR	0830	664	1008.3	936.8	+0.3	28.5	18.3	11.2	13.6	35	-14	3.1	+0.5	10.3	0	4	23	01	0	3	1	2	10	4	6	3	0
	1730	664	1002.7	932.4	+0.3	33.3	19.2	9.6	11.9	23	- 8	4.9	+0.2	9.0	0	2	23	03	2	4	5	1	3	4	3	5	0
GULBARGA	0830	458	1009.4	959.0	+0.4	29.1	20.1	14.3	16.9	44	+ 3	3.7	+1.7	6.7	0	0	20	08	1	5	0	1	1	2	2	10	0
	1730	458	1002.7	954.0	+0.5	37.2	21.6	11.9	14.3	24	+ 2	5.9	+2.0	7.6	0	1	27	02	1	10	4	2	0	4	5	2	0
BIJAPUR	0830	594	1009.6	944.3	+0.1	26.5	19.1	14.1	16.0	52	+ 2	3.0	+0.9	2.4	0	0	28	04	4	0	0	2	6	7	5	2	0
	1730	594	1002.5	939.6	+0.4	35.7	21.2	12.1	14.1	26	+ 1	5.8	+1.8	1.8	0	0	30	03	1	3	8	3	2	8	2	0	0
RAICHUR	0830	400	1009.6	965.8	+0.7	29.9	21.9	17.2	19.8	47	- 7	3.6	+1.4	4.7	0	1	23	00	2	0	6	0	12	3	1	6	0
	1730	400	1003.0	960.9	+0.6	37.3	23.2	14.3	16.8	27	- 3	4.3	+0.8	3.9	0	0	30	00	17	0	10	0	1	0	2	0	0
BELGAUM	0830	753	1011.1	928.8	+1.0	24.7	20.3	17.9	20.5	67	- 5	2.1	+0.3	2.1	0	0	11	00	1	4	2	0	0	4	0	19	0
	1730	753	1004.4	924.2	-0.1	30.8	23.9	20.9	24.7	58	+12	4.0	+1.0	4.3	0	0	27	01	0	1	0	1	6	14	2	3	2
BELGAUM (SAMRA)	0530	747	1009.0	926.7	..	21.7	17.7	14.8	16.8	68	..	2.8	..	3.9	0	2	13	02	4	2	3	2	1	1	0	15	0
	0830	747	1010.0	928.5	+0.2	25.1	18.9	14.9	16.9	56	- 6	3.1	+0.6	5.6	0	1	20	01	5	2	3	1	1	7	1	9	0
	1130	747	1007.9	928.3	..	32.1	18.8	9.0	11.5	26	..	2.7	..	10.4	0	0	29	06	10	3	1	3	1	4	1	1	0
	1430	747	1004.3	925.6	..	34.3	19.6	9.1	11.5	24	..	4.5	..	8.6	0	0	30	05	10	4	3	1	1	5	1	0	0
	1730	747	1003.9	924.6	+0.0	31.9	21.3	15.2	17.3	39	- 6	5.1	+1.0	16.1	0	14	15	00	2	1	1	1	3	20	1	1	0
	2030	747	1008.0	926.9	..	26.3	20.9	18.0	20.6	61	..	3.2	..	15.7	0	9	21	01	1	1	0	0	1	26	0	0	0
GADAG	0530	650	1008.7	936.9	..	22.7	20.7	19.7	22.9	84	..	3.1	..	7.9	0	0	24	01	1	1	1	4	11	5	0	6	0
	0830	650	1010.1	938.8	+0.1	25.8	21.4	19.5	22.2	71	+ 0	3.0	+0.2	9.3	0	0	27	03	2	0	2	0	6	6	8	3	0
	1130	650	1007.9	938.5	..	33.0	22.4	16.8	19.1	40	..	1.3	..	6.5	0	0	28	03	5	1	3	1	6	4	2	2	3
	1430	650	1003.9	935.6	..	36.4	22.9	15.6	17.7	31	..	3.4	..	5.5	0	0	26	05	3	1	4	2	3	3	3	4	2
	1730	650	1002.9	934.2	+0.2	34.9	22.2	14.8	17.4	33	- 8	4.4	-0.1	3.9	0	0	27	05	6	1	4	1	2	2	6	3	0
	2030	650	1006.9	936.7	..	29.0	21.9	18.1	20.8	55	..	3.2	..	8.4	0	2	23	00	1	6	2	2	3	8	3	5	0
	2330	650	1008.9	937.8	..	25.8	21.9	19.8	23.1	71	..	3.4	..	9.3	0	1	28	02	0	1	1	1	8	16	0	1	0
NTERIOR MYSORE, SOUTH																											
BELLARY	0830	449	1008.9	959.5	-0.1	28.6	24.1	22.0	26.4	68	+15	2.3	-0.5	4.5	0	0	20	01	1	4	4	2	1	0	7	10	0
	1730	449	1002.9	955.2	+0.6	37.5	27.5	21.9	26.3	43	+15	2.3	-1.8	8.5	0	1	26	00	1	2	14	2	0	0	8	3	0
CHITRADURGA	0830	733	1009.5	929.6	+0.0	25.5	21.4	19.2	22.2	70	+ 3	2.1	-1.1	5.5	0	0	25	00	0	2	0	0	3	20	0	5	0
	1730	733	1002.4	925.3	+0.2	34.5	22.6	15.8	17.9	35	+ 5	3.4	-0.9	7.5	0	0	29	01	3	13	0	0	2	6	4	1	0
SHIMOGA	0830	571	1010.1	947.1	+0.1	24.8	21.7	20.1	23.5	75	+ 0	4.5	+1.4	0.7	0	0	10	00	0	0	0	0	4	6	0	20	0
	1730	571	1003.8	942.6	+0.2	32.6	21.7	14.4	16.4	38	- 6	5.7	+0.7	2.3	0	0	24	00	1	7	2	1	5	6	2	6	0
AGUMBE	0830		..	..	..	23.6	21.1	19.9	23.2	80	..	.	..	..	0	0	24	00	13	0	1	0	9	1	0	6	0
BALEHONNUR	0830	890	..	..	..	23.5	20.9	19.6	22.8	80	- 7	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HASSAN	0830	960	1514.0	906.2	-0.2	22.7	19.1	18.2	20.9	76	+ 0	2.1	-1.1	2.3	0	0	13	01	0	1	1	0	0	10	0	17	0
	1730	960	1495.1	902.7	+0.2	30.7	19.9	14.0	16.0	37	-10	3.8	-1.7	4.3	0	0	23	00	0	6	2	1	3	10	1	7	0
BANGALORE	0230	921	1506.8	909.4	..	23.2	18.9	16.3	18.5	66	..	1.4	..	2.7	0	0	15	00	0	1	7	0	5	1	1	15	0
	0830	921	1525.9	911.0	+0.7	25.4	20.5	17.6	20.1	63	- 7	2.7	-0.9	3.9	0	0	24	00	0	2	5	5	5	5	0	6	2
	1130	921	1535.7	910.8	..	31.0	20.7	14.5	16.5	37	..	2.7	..	5.5	0	0	27	00	1	4	8	2	3	6	2	3	1
	1430	921	1516.3	908.3	..	33.3	20.1	11.8	13.8	27	..	4.0	..	7.8	0	0	30	00	6	9	7	1	3	2	2	0	0
	1730	921	1505.3	907.6	+1.4	31.5	19.5	11.4	13.5	31	- 3	4.9	-0.1	8.3	0	0	29	00	5	15	7	0	0	0	2	1	0
	2030	921	1516.6	909.6	..	27.3	18.7	13.2	15.1	43	..	2.9	..	5.9	0	0	27	00	0	15	9	0	3	0	0	3	0
BANGALORE AERODROME	0530	897	1493.9	911.0	..	21.5	19.0	17.5	20.0	79	..	2.2	..	4.5	0	0	21	00	1	1	3	2	8	5	1	9	0
	0830	897	1518.9	913.0	+0.2	24.6	21.1	19.3	22.4	73	+ 4	2.9	-1.0	9.2	0	2	26	00	0	2	3	7	5	10	1	2	0
	1130	897	1526.4	912.7	..	30.0	20.8	15.5	17.6	42	..	3.0	..	10.3	0	2	27	00	1	6	8	2	5	4	2	1	1
	1730	897	1495.0	909.2	+0.5	31.3	20.1	13.1	15.3	34	- 2	4.7	-0.6	15.9	0	7	23	00	0	15	10	3	0	0	1	0	1
	2330	897	1511.7	912.2	..	24.9	19.3	15.9	18.1	59	..	2.6	..	7.3	0	2	25	00	0	9	10	2	0	5	1	3	0
MYSORE	0830	767	1010.5	926.7	+0.3	24.3	20.5	18.6	21.4	71	- 4	2.2	-1.5	7.2	0	0	30	00	1	2	0	8	3	14	2	0	0
	1730	767	1003.4	922.3	+0.0	32.4	19.8	11.4	13.5	30	- 4	3.9	-1.2	12.6	0	5	25	02	3	9	5	3	4	2	2	0	0
RALA																											
CALICUT	0530	5	1009.5	1008.0	..	25.3	23.6	22.8	27.6	87	..	1.7	..	2.1	0	0	14	01	0	12	0	0	0	1	0	16	0
	0830	5	1010.6	1010.0	+0.1	30.0	26.1	24.4	30.5	72	- 3	2.4	-1.9	1.2	0	0	14	00	1	12	0	0	0	1	0	16	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — APRIL 1967 (CHAITRA 11 - VAISAKHA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. p. h.	No. of observations								
			At mean sea level or lt. in gen. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction						
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
KERALA (CONTD.)																								
CALICUT. (CONTD.)	1130	5	1010.6	1010.0	..	31.6	26.9	24.9	31.5	68	..	3.2	..	4.3	0	0	26	00	0	0	0	0	1	17
	1430	5	1008.3	1007.7	..	34.6	28.0	25.4	32.4	59	..	2.9	..	4.3	0	0	28	01	0	0	0	0	2	22
	1730	5	1007.3	1006.7	+0.2	31.5	27.2	25.5	32.4	74	+ 3	3.5	-1.3	5.6	0	0	26	00	0	1	0	0	0	21
	2330	5	1010.0	1009.4	..	27.8	25.2	24.1	29.8	81	..	2.7	..	4.1	0	0	26	02	3	3	0	0	0	10
PALGHAT	0830	97	1010.7	999.8	+0.3	29.9	25.4	23.4	28.6	68	- 9	3.1	-1.0	7.1	0	0	27	00	0	6	1	0	0	19
	1730	97	1005.7	995.0	+0.0	33.5	25.2	21.0	25.3	51	- 8	5.3	-0.1	9.5	0	0	30	00	0	3	1	0	6	20
FORT COCHIN	0830	3	1010.5	1010.2	-0.1	29.8	26.0	24.4	30.5	73	- 2	5.8	+0.6	4.2	0	0	27	02	12	10	0	0	1	2
	1730	3	1007.0	1006.7	-0.1	30.7	26.7	25.1	31.7	72	- 2	6.1	+0.8	10.8	0	0	30	01	2	0	2	0	2	10
COCHIN (NAVAL AIR STATION)	0230	3	1008.7	1008.5	..	26.8	25.2	24.5	30.7	87	..	4.4	..	1.5	0	0	7	00	3	3	1	0	0	0
	0530	3	1008.6	1008.3	..	26.2	24.8	24.2	30.2	90	..	3.6	..	2.3	0	0	11	00	4	5	1	0	0	0
	0830	3	1010.5	1010.2	..	29.4	26.0	24.6	30.7	76	..	4.1	..	4.1	0	0	20	01	8	9	2	0	0	0
	1130	3	1010.5	1010.2	..	32.3	26.9	24.7	30.9	64	..	4.5	..	12.2	0	0	29	00	0	0	1	1	6	12
	1730	3	1006.8	1006.5	..	31.3	27.1	25.3	32.4	71	..	5.3	..	15.6	0	0	30	01	0	1	0	1	2	17
	2330	3	1010.3	1010.0	..	27.8	25.5	24.5	30.7	83	..	5.2	..	3.6	0	0	13	01	0	5	2	1	0	1
ALLEPPEY	0830	4	1010.5	1010.1	+0.4	29.8	26.3	24.7	31.5	75	- 3	4.0	-1.3	5.4	0	0	30	01	14	8	5	1	0	0
	1730	4	1007.1	1006.7	+0.4	31.7	27.2	25.3	32.2	69	- 4	4.2	-1.7	20.1	0	21	9	00	0	0	0	0	2	11
PUNALUR	0830	34	1010.4	1006.6	+0.3	27.2	24.9	23.9	29.7	82	- 2	5.2	+1.0	3.3	0	0	0	00	0	0	0	0	0	0
	1730	34	1006.4	1002.6	-0.3	32.4	25.8	22.8	27.7	59	- 9	7.5	+1.5	5.4	0	0	25	00	1	1	0	8	12	3
TRIVANDRUM	0230	64	1008.4	1001.1	..	26.5	25.0	24.4	30.4	88	..	3.0	..	0.9	0	0	5	00	4	0	0	0	0	1
	0530	64	1008.6	1001.3	..	25.9	24.7	24.1	30.2	90	..	3.8	..	4.3	0	0	24	03	17	3	0	0	0	0
	0830	64	1010.5	1003.3	+0.1	28.3	25.5	24.3	30.4	79	- 2	4.3	+0.3	4.8	0	0	26	09	8	1	1	0	0	2
	1130	64	1010.0	1002.9	..	31.9	26.2	23.7	29.3	62	..	5.5	..	9.2	0	1	29	06	1	1	1	1	3	7
	1430	64	1007.3	1000.2	..	32.1	26.5	24.0	30.0	63	..	4.8	..	14.1	0	5	25	00	0	0	0	1	6	18
	1730	64	1007.1	999.9	+0.0	29.7	26.0	24.4	30.7	73	+ 0	5.9	+0.2	11.1	0	1	28	02	0	2	0	3	4	9
	2030	64	1009.4	1002.2	..	28.2	25.7	24.5	31.1	81	..	4.4	..	4.9	0	0	22	02	5	2	0	0	1	2
	2330	64	1010.2	1002.9	..	27.3	25.4	24.6	30.7	85	..	3.9	..	5.9	0	1	22	05	6	1	2	1	0	1
TRIVANDRUM AERODROME	0830	8	1010.8	1009.9	+0.6	29.8	25.8	24.1	30.0	71	- 4	5.1	+0.7	9.3	0	1	22	17	2	1	1	0	0	0
ARABIAN SEA ISLANDS																								
AMINI	0530	4	1007.9	1007.5	..	27.6	25.3	24.2	30.4	82	..	3.0	..	8.5	0	3	17	09	1	0	0	0	0	1
	0830	4	1010.1	1009.6	-0.6	29.8	26.1	24.5	30.7	73	+ 0	3.5	-0.1	9.7	0	2	25	12	1	0	0	0	1	1
	1130	4	1010.4	1010.0	..	31.8	26.7	24.5	30.7	65	..	3.3	..	11.8	0	2	28	13	1	0	0	0	1	3
	1730	4	1006.9	1006.5	..	31.3	26.8	24.9	31.5	69	..	3.3	..	14.5	0	6	23	11	0	0	0	0	0	7
	2330	4	1009.5	1009.0	..	28.8	25.9	24.7	31.1	79	..	2.5	..	14.5	0	8	19	06	1	0	0	0	0	7
AGATTI	0830	4	1010.3	1009.8	..	29.6	25.9	24.3	30.4	74	..	5.6	..	5.1	0	0	30	15	2	0	0	0	2	1
	1730	4	1007.7	1007.2	..	30.7	26.2	24.2	30.4	68	..	4.8	..	7.5	0	0	30	11	0	0	0	0	2	6
ANDROTH	0830	5	1010.6	1010.1	..	29.9	26.4	24.9	31.5	75	..	4.7	..	2.7	0	0	20	11	1	0	0	0	0	1
	1730	5	1007.5	1007.0	..	31.3	26.9	24.8	31.9	68	..	3.3	..	3.5	0	0	23	10	0	0	0	0	0	1
MINICOY	0530	2	1008.6	1008.4	..	26.7	24.3	23.2	28.4	81	..	3.9	..	3.4	0	0	14	06	0	0	1	0	0	2
	0830	2	1010.8	1010.6	+0.1	29.4	25.6	24.0	29.7	73	- 2	3.5	-0.8	4.9	0	0	21	06	2	0	1	1	0	2
	1130	2	1011.1	1010.9	..	31.1	26.2	24.1	30.0	67	..	4.3	..	8.4	0	0	28	08	0	4	2	1	0	1
	1430	2	1008.8	1008.6	..	31.3	26.0	23.7	29.3	65	..	4.5	..	8.3	0	0	29	08	2	1	2	1	1	2
	1730	2	1007.9	1007.7	+0.1	30.7	25.9	23.8	29.5	67	- 7	4.7	+0.1	6.1	0	0	25	13	1	1	0	1	0	1
	2030	2	1009.5	1009.3	..	28.5	25.1	23.5	29.1	75	..	3.1	..	5.1	0	0	19	08	0	1	0	0	0	2
	2330	2	1010.3	1010.1	..	27.7	24.8	23.5	28.9	78	..	3.7	..	6.0	0	0	20	06	1	0	1	1	0	2
HILL STATIONS (EXCLUDING KASHMIR)																								
DALHOUSIE	0830	1959	1440.2	799.7	+0.1	14.0	9.5	5.5	9.0	57	+ 2	4.0	+2.5	1.9	0	0	15	01	7	0	4	0	0	1
	1730	1959	..	..	..	16.8	12.3	8.7	11.2	61	+ 7	5.6	+3.3	0.7	0	0	6	00	3	1	2	0	0	0
DHARMASALA	0830	1211	1533.0	882.7	+0.0	21.5	13.2	6.1	9.4	38	- 1	4.2	+1.7	1.9	0	0	25	02	6	9	1	1	1	4
	1730	1211	1520.0	881.0	-0.4	23.3	14.2	6.3	9.5	34	+ 2	4.9	+1.4	2.8	0	0	30	01	0	1	2	6	11	9
BHUNTAR	0830	1096	1501.2	891.9	..	14.6	11.1	8.0	10.7	65	..	3.5	..	3.8	0	1	24	15	4	1	1	3	0	0
	1130	1096	1498.6	890.5	..	22.1	14.0	7.1	10.1	39	..	4.4	..	5.0	0	0	27	03	3	3	3	13	1	0
	1730	1096	1474.1	887.9	..	23.2	14.3	6.5	9.7	36	..	5.0	..	9.8	0	4	26	01	0	1	4	11	3	5
SIMLA	0830	2202	1485.4	781.7	-0.1	14.5	7.2	- 2.4	5.0	34	+ 2	2.4	+0.0	0.7	0	0	11	00	1	0	5	1	4	0
	1730	2202	1668.0	780.5	-0.1	16.0	8.6	0.9	6.5	37	+ 0	3.5	-0.2	1.0	0	0	16	00	1	0	6	1	8	0
GHANGARIA (KANJALIA TOK)	0830		..	..	..	7.3	3.9	0.3	6.2	61	- 5	1.3	..	..	.	..	..	..	..	..	..	..	..	..
	0830	Functioning from May to October only																						
BADRINATH	0830		..	..	..	13.1	9.3	2.9	7.5	47	+ 4	1.6	-0.9	9.9	0	0	30	00	4	23	1	1	0	1
JOSHIMATH	1730		..	..	..	18.9	11.4	4.1	8.2	42	+ 4	4.8	-1.2	6.0	0	0	30	02	3	8	3	4	1	7
	0830	2042	1478.4	796.0	1.6	15.5	8.8	1.4	6.8	40	- 4	2.4	+0.2	1.1	0	0	16	02	1	0	5	6	2	0
MUSSOORIE	1730	2042	1464.5	795.0	-1.5	17.1	10.1	3.2	7.7	41	- 5	4.3	+0.7	3.7	0	1	26	07	5	0	4	7	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.			Mean temperature in °C			Vapour pressure in mb.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gen. of normal standard isobaric level	At station level	Departure from normal	Dry bulb	Wet bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p.h.)			Wind direction									
															62 or more	28 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HILL STATIONS(EXCLUDING KASHMIR) (CONTD.)																											
MUKTESWAR(KUMAUN)	0830	2311	3135.4	772.0	-0.5	13.7	7.2	- 1.1	5.6	39	+ 2	2.4	+0.7	8.9	0	1	24	01	1	2	0	1	2	10	8	5	0
	1730	2311	3125.4	771.0	+0.0	16.7	9.5	1.8	6.9	38	- 1	3.1	+0.2	21.9	0	21	9	00	0	0	0	0	2	18	10	0	0
NAINITAL	0830	1953	1483.7	804.9	+0.0	16.7	8.8	- 1.4	5.4	34	- 2	2.3	+0.4	7.9	0	1	24	02	6	5	4	0	1	4	3	5	0
	1730	1953	1457.4	802.7	-0.7	17.2	9.9	2.1	7.1	39	+ 2	1.6	-0.4	8.5	0	0	29	04	1	2	1	5	1	15	0	1	0
KALIMPUNG	0830	1209	1480.4	877.4	-1.2	19.8	15.5	12.5	14.5	63	- 9	1.5	-0.8	6.7	0	0	30	00	0	0	1	0	0	0	29	0	0
	1730	1209	1455.0	874.7	-0.7	20.6	15.9	12.7	14.7	61	-11	1.6	-1.9	6.4	0	0	30	00	0	0	28	0	0	0	2	0	0
DARJEELING	0830	2128	1505.1	790.2	-1.1	13.7	11.0	8.9	11.4	75	+ 7	5.3	+1.2	1.0	0	0	7	04	0	0	0	0	1	1	1	23	0
	1730	2128	1479.0	787.7	-1.1	12.9	10.5	8.6	11.2	76	+ 5	6.1	+0.6	2.8	0	0	14	01	0	0	0	0	11	1	0	16	1
KOHIMA	0830	1406	(R)																								
	1730	1406	(R)																								
SHILLONG(C.S.O.)	0830	1598	1490.6	839.7	+0.8	18.9	13.0	8.6	11.1	54	+ 3	2.9	-0.4	6.9	0	2	26	01	0	0	0	1	9	7	10	2	0
	1730	1598	1463.4	837.0	+0.9	17.8	13.6	10.7	12.8	66	+ 6	3.7	-0.8	3.6	0	0	19	00	1	2	2	0	6	5	3	11	0
CHERRAPUNJI	0830	1313	1498.3	868.6	-0.2	18.7	14.6	11.6	13.7	67	- 8	3.2	-1.6	5.8	0	0	30	00	9	0	0	0	21	0	0	0	0
	1730	1313	1492.1	868.0	+1.9	18.4	14.8	12.2	14.2	70	- 8	3.4	-0.7	7.6	0	0	30	00	1	0	1	0	28	0	0	0	0
ABU	0830	1195	1507.1	881.3	-0.2	22.3	14.0	6.5	9.7	38	+ 9	0.4	-0.7	2.0	0	0	9	02	1	0	0	0	2	3	1	20	0
	1730	1195	1498.2	880.0	+0.5	26.5	14.6	3.1	7.6	25	+ 1	1.3	-0.3	5.6	0	0	17	01	1	0	0	0	6	7	2	12	0
AIJAL	0830		(R)																								
	1730		(R)																								
PACHMARHI	0830	1075	1519.2	894.3	+0.1	25.9	14.8	4.2	8.8	27	- 2	1.2	-1.2	2.8	0	0	28	01	8	2	1	1	2	2	11	2	0
	1730	1075	1495.7	891.2	+0.4	31.0	16.7	4.0	8.6	21	- 1	3.0	-0.5	3.1	0	0	29	01	3	0	0	1	0	6	18	1	0
MAHABALESHWAR	0830	1382	1517.8	863.6	+0.0	22.5	14.5	7.3	10.7	39	+ 0	0.7	-1.2	11.0	0	0	30	00	21	0	3	0	1	0	5	0	0
	1730	1382	1502.0	861.8	+0.4	27.9	19.0	13.1	15.5	44	-11	1.3	-1.0	10.1	0	0	30	00	9	0	0	0	0	0	21	0	0
MERCARA	0830	1152	1511.1	886.1	+0.0	22.4	19.2	17.4	19.9	74	- 8	1.7	-1.6	3.3	0	0	21	02	6	2	1	0	1	0	8	9	1
	1730	1152	1490.4	883.6	+0.2	25.4	20.3	17.0	20.0	65	- 6	4.8	+0.4	4.9	0	0	28	01	6	0	0	0	3	2	16	2	0
OOTACAMUND	0830	2249	1525.2	781.6	+1.1	15.5	11.6	8.6	11.2	64	- 7	1.5	-1.4	1.5	0	0	15	00	13	1	0	1	0	0	0	15	0
	1730	2249	1488.1	779.0	+0.2	18.6	14.4	11.5	13.7	65	- 3	3.7	-1.6	1.1	0	0	15	00	3	12	0	0	0	0	0	15	0
COONOOR	0830	1747	..	..	..	21.4	14.9	10.3	12.8	51	-14	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KODAIKANAL	0830	2343	3174.4	772.6	+0.3	17.2	11.1	5.3	9.3	49	-14	3.3	-0.1	8.3	0	0	29	01	10	8	9	1	0	0	0	1	0
	1130	2343	3184.9	772.9	..	19.6	13.4	8.7	11.4	50	..	4.9	..	9.1	0	1	29	00	9	7	12	1	0	0	1	0	0
	1730	2343	3153.8	771.0	+0.4	16.1	13.1	10.8	13.2	73	- 5	5.5	-0.1	5.6	0	0	24	02	5	3	10	3	0	1	0	6	0
NEPAL																											
KATMANDU	0830	1324	1490.1	866.9	-1.6	16.4	13.0	10.2	12.8	67	+ 5	2.5	+0.1	0.5	0	0	3	00	1	2	0	0	0	0	0	27	0
	1130	1324	1484.9	866.0	..	23.8	15.9	9.4	12.5	43	..	3.3	..	0.8	0	0	8	00	1	1	3	0	2	0	1	22	0
	1730	1324	1460.1	863.6	-1.8	21.0	14.7	9.2	12.3	50	+ 1	4.0	-0.2	4.1	0	0	23	01	0	2	5	4	1	4	6	7	0
SIKKIM																											
LACHEN.	0830		(R)																								
HYDROMETEOROLOGICAL OBSERVATORIES DAMODAR CATCHMENT																											
TILAIYA	0830		..	..	..	28.6	18.9	10.7	12.9	38	..	0.9	..	6.9	0	2	23	00	0	5	3	0	2	12	3	5	0
	1730		..	..	..	32.9	19.1	6.8	9.9	24	..	1.2	..	7.2	0	0	25	03	1	1	0	0	0	13	7	5	0
HAZARIBAGH	0830	615	1007.3	940.3	..	27.5	19.7	14.6	16.6	48	..	0.7	..	11.3	0	2	28	01	0	0	2	3	7	5	12	0	0
	1730	615	1002.9	936.6	..	30.0	20.4	14.2	16.2	42	..	0.7	..	12.1	0	2	24	01	1	1	1	0	1	14	7	4	0
KONAR	0830		..	..	..	30.2	20.1	13.3	15.3	36	..	0.5	..	4.8	0	0	22	00	0	0	4	0	0	15	3	0	0
	1730		..	..	..	31.7	21.5	15.2	17.3	38	..	0.8	..	4.3	0	0	22	00	0	1	0	0	0	19	2	0	0
BOKARO	0830	242	1007.7	980.8	..	28.9	21.6	16.9	19.3	51	..	1.2	..	4.8	0	0	29	01	0	1	4	3	6	8	6	1	0
	1730	242	1003.1	976.6	..	32.1	23.3	17.9	20.5	46	..	1.3	..	4.9	0	0	27	01	0	2	4	1	6	6	7	3	0
MAITHON	0830		..	..	..	30.5	20.5	12.5	14.5	39	..	2.3	..	3.3	0	0	30	01	0	0	10	3	11	2	3	0	0
	1730		..	..	..	34.3	21.7	12.4	14.4	31	..	1.9	..	3.5	0	0	30	00	2	0	11	0	13	0	4	0	0
RAMGARH	0830		..	..	..	28.2	18.7	10.7	12.9	37	..	1.3	..	7.3	0	0	30	06	1	4	0	2	1	13	3	0	0
	1730		..	..	..	34.7	20.2	7.0	10.0	24	..	0.9	..	7.8	0	0	29	06	1	5	0	3	0	12	2	1	0
PANCHET HILLS	0830		..	..	..	28.7	20.5	14.5	16.5	46	..	1.1	..	2.2	0	0	21	00	2	0	4	0	9	0	6	9	0
	1730		..	..	..	33.5	20.8	12.0	14.0	30	..	2.2	..	2.0	0	0	20	00	5	0	3	0	0	0	12	10	0
DURGAPUR	0830		..	..	..	28.7	20.6	15.4	17.5	43	..	1.7	..	5.9	0	1	26	06	0	1	2	8	1	2	7	3	0
	1730		..	..	..	33.4	21.1	12.2	14.2	32	..	2.0	..	5.5	0	1	25	04	1	1	3	4	0	0	13	4	0
MAHANADI CATCHMENT																											
GINABAHAR	0830		..	..	..	29.6	18.4	10.1	12.9	32	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	1008.7	991.0	..	30.7	21.7	16.3	18.5	43	..	0.9	..	2.7	0	0	21	02	1	2	0	5	5	4	0	9	2
	1130	159	1007.7	990.3	..	35.2	22.5	14.9	16.9	29	..	0.7	..	3.5	0	0	25	02	0	1	0	1	4	13	3	5	1
	1730	159	1002.9	985.7	..	36.9	22.8	14.3	16.3	26	..	1.3	..	2.0	0	0	15	00	2	0	0	1	7	5	0	15	0
BHIMKUND	0830		..	..	..	28.2	22.0	18.6	21.4	58	..	2.8	..	1.1	0	0	14	00	0	0	4	0	2	0	8	16	0
	1730		..	..	..	32.9	21.5	14.3	16.3	36	..	3.0	..	1.3	0	0	14	00	1	0	4	0	4	0	5	16	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1967. (CHAITRA 11 - VAISAKHA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or M. in gms. of mean standard inches level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind speed (Km. p. h.) 0 or zero	2 to 4	1 to 10	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MAHANADI CATCHMENT (CONTD.)																											
SONEPUR	0830		..	..	..	29.8	23.0	19.6	22.5	54	..	.	..	7.6	0	0	27	00	0	13	0	1	0	13	0	3	[illegible]
KHIJRAWAN	0830		..	..	..	29.6	21.2	15.4	18.3	45	..	1.0	..	7.3	0	1	29	01	3	5	6	1	8	4	2	0	[illegible]
	1730		..	..	..	35.5	22.8	14.4	17.4	30	..	2.3	..	10.5	0	1	29	05	3	0	1	1	9	4	7	0	[illegible]
NARMADA CATCHMENT																											
BAGRA TAWA	0830		..	..	..	29.6	16.6	3.1	8.4	20	..	0.9	..	14.3	0	3	27	04	7	3	0	1	5	8	2	0	[illegible]
	1730		..	..	..	37.7	18.9	- 0.7	6.6	11	..	1.9	..	13.2	0	0	29	04	2	3	0	1	2	9	8	1	[illegible]
PUNASA	0830		..	..	..	29.9	20.0	12.6	15.3	37	..	.	..	6.2	0	3	26	00	10	0	5	0	3	0	11	1	[illegible]
	1730		..	..	..	35.5	24.2	17.4	21.0	38	..	.	..	4.3	0	0	29	00	11	0	2	0	4	0	12	1	[illegible]
THIKRI	0830		..	..	..	31.7	20.2	11.5	14.3	32	..	1.0	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																											
DAROI	0830		..	..	..	27.3	18.1	10.7	13.4	38	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	31.3	19.5	10.7	13.0	30	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GANDAK CATCHMENT																											
JAMOSOM	0830	..	..	..	..	13.4	8.3	3.8	8.2	53	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	12.7	8.3	4.5	8.6	59	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	0830	..	..	..	..	20.7	16.9	14.3	16.5	67	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	24.3	18.8	15.3	17.7	59	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830	..	..	..	..	16.9	10.7	4.4	9.0	46	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	19.2	12.4	5.9	10.2	47	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
POKHARA	0830	..	..	..	..	21.5	15.9	11.3	14.1	55	..	2.0	..	0.1	0	0	2	00	0	0	2	0	0	0	0	28	[illegible]
	1130	..	..	..	..	25.9	17.1	10.0	13.3	40	..	2.1	..	4.1	0	0	23	01	1	6	13	2	0	0	0	7	[illegible]
	1730	..	..	..	..	24.8	16.6	9.5	13.2	45	..	4.0	..	3.6	0	0	25	03	2	4	10	3	1	0	2	5	[illegible]
GORKHA	0830	..	..	..	..	20.5	15.3	10.7	13.8	58	..	1.9	..	..	.	..	..	00	7	3	2	3	6	1	1	7	[illegible]
	1130	..	..	..	..	24.4	17.1	11.3	14.4	48	..	2.2	..	..	.	..	..	00	3	1	4	3	16	2	1	0	[illegible]
	1730	..	..	..	..	22.9	15.7	9.3	12.9	47	..	4.2	..	..	.	..	..	01	0	0	2	0	11	4	4	5	[illegible]
NUWAKOT	0830	..	..	..	..	20.7	15.6	11.3	14.2	59	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	24.7	15.5	6.3	10.9	36	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT (TRANS HIMALAYAN REGION)																											
DAILEKH	0830	..	..	..	..	19.4	13.4	7.9	11.3	50	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	22.6	15.1	8.3	11.9	44	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT																											
SALLYANA	0830	..	..	..	..	21.2	14.4	8.7	11.6	46	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	21.5	14.2	7.7	11.0	44	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BUTWAL	0830	..	..	..	..	26.5	18.4	12.0	15.1	43	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	31.5	19.9	10.3	14.0	32	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BAGHMATI CATCHMENT																											
KATMANDU	0830		(R)	SEE UNDER REPAIR																							
	1130		(R)																								
	1730		(R)																								
KOSI CATCHMENT																											
CHAUTARA	Temporarily closed.																										
WALUNGCHUNG GOLA	0830	..	..	..	..	7.9[b]	4.4[b]	0.2[b]	6.4[b]	61[b]	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	6.0	4.5	2.7	7.6	81	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHOK	0830	..	..	..	..	17.5	13.5	10.1	12.7	64	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	19.4	13.4	7.5	11.1	51	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BHOJPUR	0830	..	..	..	..	17.7	12.7	8.3	11.5	58	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	17.3	13.6	10.7	13.3	69	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLEJUNG	0830	..	..	..	..	16.1	12.0	8.4	11.5	63	..	4.0	..	0.7	0	0	6	01	1	0	1	1	0	1	1	24	[illegible]
	1130	..	..	..	..	19.1	13.3	8.3	11.7	54	..	4.0	..	7.6	0	0	25	03	0	2	3	9	5	1	1	5	[illegible]
	1730	..	..	..	..	16.8	12.2	8.0	11.3	61	..	5.5	..	7.4	0	4	16	02	1	1	7	8	0	0	1	10	[illegible]
OKHALDHUNGA	0830	..	..	..	..	16.3	12.5	8.2	11.6	63	..	2.6	..	1.4	0	0	11	00	0	1	0	6	1	2	1	19	[illegible]
	1130	..	..	..	..	19.4	13.3	7.7	11.6	53	..	2.9	..	1.9	0	0	13	01	0	0	0	5	2	4	0	17	[illegible]
	1730	..	..	..	..	17.0	11.9	6.6	10.9	58	..	3.9	..	5.9	0	1	21	00	0	0	0	6	2	13	1	8	[illegible]
CHAINPUR	0830	..	..	..	..	19.1	15.5	12.9	15.0	68	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	20.7	17.0	14.6	16.7	69	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ANGBUNG	0830	..	..	..	..	20.4	15.4	11.5	14.0	59	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	21.2	16.7	13.0	16.1	64	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BARAHAKSHETRA	0830	146	1009.1	992.5	..	25.1	19.1	14.5	17.5	55	..	2.6	..	1.7	0	0	20	00	1	4	1	0	4	5	5	10	[illegible]
	1130	146	1007.7	991.4	..	29.5	21.1	15.4	18.3	45	..	2.6	..	5.8	0	0	28	00	0	0	0	0	6	21	1	2	[illegible]

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or M. in gen. of mean standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 0 or zero	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KOSI CATCHMENT (CONTD.)																											
BARAHAKSHETRA	1730	146	1004.0	987.8	..	28.9	20.5	14.1	17.6	46	..	3.7	..	1.5	0	0	17	00	3	1	2	0	4	7	0	13	0
TISTA CATCHMENT																											
GANGTOK	0830	1812	1488.4	818.5	..	14.8	11.9	9.5	12.2	72	..	4.6	..	2.3	0	0	19	08	4	1	1	2	2	1	0	11	0
	1130	1812	1483.1	818.3	..	18.7	13.8	10.1	12.7	60	..	4.7	..	7.4	0	0	30	00	1	0	0	10	13	4	1	0	1
	1730	1812	1459.9	815.9	..	15.8	12.8	10.5	12.9	72	..	7.0	..	5.7	0	2	18	04	2	1	3	10	0	0	0	10	0
GEZING	0830	..	..	..	..	16.4	13.6	11.8	13.8	69	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	17.3	14.2	12.7	14.7	68	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
Bikaner P.B.O.	2030	224	1006.7	981.8	..	30.1	18.1	8.3	11.1	28	..	2.0	.	3.7	0	1.17	01	5	0	0	2	5	2	3	12	0	

MONTHLY MEANS OF UPPER WINDS

During the month, observations of velocity and direction of upper winds were made at 55 stations in India. Out of these, at 40 stations all the observations were taken by means of pilot balloons and at 15 stations some observations were made by means of pilot balloons while the other observations by the radiowind method. In the case of Bangalore, the observations were taken by following radiosonde balloon by means of an optical theodolite. Particulars of these stations, their co-ordinates and the approximate times of the regular pilot balloon and rawin ascents at each station are given in the table overleaf. All radiowind ascents have been indicated by means of an asterisk (*) against the scheduled hours.

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

Data upto 9.0 km. above mean sea level are given under Table IV and data above 9.0 km. above mean sea level under Table V.

In Tables IV and V :

N = represents the number of observations;

S = represents the mean wind speed in metres per second irrespective of direction;

V = represents the resultant mean velocity in metres per second;

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

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

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

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS IN INDIA

S. No.	Station	Latitude ° ' N	Longitude ° ' E	Height of anemometer head a.m.s.l. in metres	Date of Opening	Approximate times of flight (I. S. T.)			
1.	Agartala	23 53	91 15	17	28th Nov. 1951	0530	1130	1730	2330
2.	Ahmadabad	23 04	72 38	61	19th May. 1928	0530*	1130	1730*	2330
3.	Allahabad/Bamhrauli	25 27	81 44	103	28th Feb. 1930	0530		1730	2330
4.	Ambala	30 23	76 46	229	1st Apr. 1941	0530	1130	1730	2330
5.	Amini	11 07	72 44	14	15th May. 1965	0530		1730	2330
6.	Anantapur	14 41	77 37	365	12th Feb. 1946	0530		1730	2330
7.	Asansol	23 41	86 59	135	29th May. 1942	0530	1130	1730	2330
8.	Aurangabad/Chikalthan	19 51	75 24	583	7th Oct. 1951	0530		1730	2330
9.	Bahraich	27 34	81 36	134	1st Oct. 1961	0530	1130	1730	
10.	Bangalore	12 58	77 35	936	19th May. 1915	0530●	1130	1730●	2330
11.	Bareilly	28 22	79 24	181	12th Jan. 1943	0530		1730	
12.	Begampet	17 27	78 28	543	1st Sep. 1929	0530	1130		2330
13.	Bhagalpur	25 14	86 57	61	19th May. 1950	0530		1730	
14.	Bhopal/Bairagarh	23 17	77 21	532	26th Feb. 1943	0530		1730	2330
15.	Bhubaneshwar	20 15	85 50	54	5th Dec. 1942	0530	1130	1730	2330
16.	Bhuj/Rudramata	23 15	69 48	90	14th Sep. 1937	0530		1730	2330
17.	Bikaner	28 00	73 18	229	18th Oct. 1946	0530		1730	2330
18.	Bombay/Santacruz	19 07	72 51	27	14th May. 1933	0530*	1130	1730*	2330
19.	Calcutta/Dum Dum	22 39	88 27	13	14th May. 1921	0530*	1130	1730*	2330
20.	Cochin/Willingdon +	09 56	76 14	13	16th Mar. 1942	0530		1730	2330
21.	Dehra Dun	30 19	78 03	692	1st Oct. 1958	0530		1730	
22.	Dibrugarh/Mohanbari	27 29	95 01	112	1st Jun. 1948	0530	1130	1730	2330
23.	Gadag	15 25	75 38	650	3rd May. 1943	0530		1730	2330
24.	Gangtok	27 20	88 16	1764	1st May. 1963	0530		1730	
25.	Gauhati	26 05	91 43	55	12th Mar. 1955	0530*	1130	1730*	2330
26.	Gaya	24 45	84 57	119	19th Mar. 1937	0530	1130	1730	2330
27.	Goa/Dabolim	15 23	73 49	228	Jul. 1965	0530		1730	2330
28.	Gopalpur	19 16	84 53	24	15th Feb. 1946	0530		1730	2330
29.	Gorakhpur	26 45	83 22	83	5th Jan. 1943	0530		1730	
30.	Gwalior	26 14	78 15	208	7th May. 1938	0530	1130	1730	2330
31.	Imphal/Tulihal	24 46	93 54	782	8th Mar. 1952	0530	1130	1730	2330
32.	Jabalpur	23 10	79 57	402	30th Jul. 1928	0530		1730	2330
33.	Jagdalpur	19 05	82 02	562	25th Mar. 1948	0530		1730	2330
34.	Jaipur/Sanganer	26 49	75 48	403	6th Jun. 1953	0530		1730	2330
35.	Jamshedpur	22 49	86 11	144	23rd Jul. 1942	0530		1730	
36.	Jharsuguda	21 55	84 05	240	1st May. 1944	0530		1730	2330
37.	Jodhpur	26 18	73 01	229	15th Oct. 1934	0530*	1130	1730*	2330
38.	Lucknow/Amausi	26 45	80 53	133	20th Nov. 1950	0530*	1130	1730*	2330
39.	Madras/Minambakkam	13 00	80 11	29	8th Apr. 1926	0530*	1130	1730*	2330
40.	Mangalore/Bajpe	12 55	74 53	104	25th May. 1959	0530		1730	2330
41.	Minicoy	08 18	73 00	15	14th Apr. 1941	0530	1130	1730*	2330
42.	Nagpur/Sonegaon	21 06	79 03	316	23rd Apr. 1943	0530*	1130	1730*	2330
43.	New Delhi/Safdarjung	28 35	77 12	227	20th Oct. 1936	0530*	1130	1730*	2330
44.	Poona	18 32	73 51	593	5th Jan. 1925	0530		1730	2330
45.	Port Blair	11 40	92 43	95	29th Oct. 1945	0530*	1130	1730*	2330
46.	Raipur	21 14	81 39	308	15th Jul. 1944	0530		1730	2330
47.	Raxaul	26 59	84 51	83	28th Oct. 1957	0530		1730	
48.	Srinagar	34 05	74 48	1595	1st Aug. 1962	0530*		1730*	
49.	Tiruchchirappalli	10 46	78 43	96	22nd Jun. 1936	0530		1730	2330
50.	Trivandrum	08 29	76 57	73	8th Dec. 1928	0530*	1130	1730*	2330
51.	Udaipur	24 35	73 42	587	24th Jun. 1947	0530		1730	2330
52.	Vengurla	15 52	73 38	8	22nd Nov. 1941	0530		1730	2330
53.	Veraval	20 54	70 22	17	13th Oct. 1941	0530		1730	2330
54.	Vijaywada/Gannavaram	16 32	80 48	32	8th Apr. 1942	0530		1730	2330
55.	Vishakhapatnam	17 43	83 14	10	24th Sep. 1928	0530*	1130	1730*	2330

* Radio wind ascents.

● Radiosonde ascents followed by optical theodolite.

\+ Naval Meteorological Office.

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

STATION	AGARTALA																AHMADABAD							
TIME IN I.S.T.	0530				1130				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.9	01.1	171	30	02.4	01.4	197	30	02.6	01.6	200	30	01.9	01.8	177	30	02.2	01.8	318	30	02.2	00.9	333
.15 A.G.L.	28	05.8	03.2	183	30	05.1	02.7	200	28	07.1	04.4	195	30	06.4	04.4	183	30	09.8	07.6	324	30	03.7	02.0	331
.3A.M.S.L.	28	07.4	04.5	199	30	05.2	03.0	195	28	07.9	05.4	204	30	07.3	05.4	194	30	09.9	07.7	327	30	03.8	02.1	333
.6 ,,	28	08.0	04.8	221	30	05.6	03.6	199	28	07.9	05.8	199	30	08.0	06.2	206	30	10.1	07.9	325	30	04.2	02.5	326
.9 ,,	28	07.9	05.4	239	30	06.8	04.4	206	28	07.4	02.7	210	29	07.7	06.0	226	30	08.6	06.5	317	30	04.5	03.1	315
1.5 ,,	24	06.9	05.0	260	27	06.8	04.4	243	27	07.1	05.9	243	28	07.3	06.1	255	30	06.4	04.3	292	30	05.1	03.1	290
2.1 ,,	24	08.3	07.3	268	20	08.8	07.0	279	26	08.5	07.0	265	27	08.9	07.7	272	30	06.6	04.4	268	30	05.8	04.4	270
3.0 ,,	20	09.9	08.9	275	08	08.1	06.7	267	22	11.8	10.9	279	19	10.4	08.8	268	30	09.4	07.0	243	30	07.5	06.4	257
3.6 ,,	18	11.0	10.2	268					19	13.7	12.5	282	04	08.2	06.9	281	29	10.8	08.3	244	29	08.9	07.8	252
4.5 ,,	13	11.5	09.6	275					16	16.4	15.3	280	01	16.0	16.0	295	29	11.4	09.1	256	29	09.8	08.5	255
5.4 ,,	10	11.6	09.5	268					11	16.7	15.9	277					29	13.0	11.7	256	29	12.6	11.6	264
6.0 ,,	08	10.0	07.6	268					10	16.5	15.7	276					29	15.6	14.1	262	29	14.6	13.4	264
7.2 ,,	07	12.3	08.6	275					05	14.8	14.6	267					28	18.4	16.8	267	18	18.7	17.8	266
9.0 ,,	04	14.0	13.6	290					01	13.0	13.0	240					27	25.7	23.3	267	12	24.1	23.1	272

STATION	AHMADABAD								ALLAHABAD/MAMHRAULI								AMBALA			
TIME IN I.S.T.	1730*				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	02.9	02.5	305	30	02.0	01.0	290	30	00.8	00.4	266	30	02.7	02.3	286	30	01.0	00.3	316	30	01.6	00.8	330
.15 A.G.L.	30	05.6	04.6	296	30	07.6	05.1	306	30	07.1	03.3	338	30	06.6	05.7	303	30	08.6	05.3	338	30	08.2	06.0	339
.3A.M.S.L.	30	05.8	04.7	295	30	08.2	05.6	308	30	07.9	03.4	340	30	07.0	06.1	306	30	09.6	05.9	336	30	03.4	02.3	344
.6 ,,	30	05.3	04.3	296	30	07.6	05.6	312	30	09.1	05.5	330	30	07.9	06.8	304	30	10.3	07.4	327	30	08.4	06.0	336
.9 ,,	30	05.2	04.3	293	30	06.5	05.2	308	30	08.8	06.4	320	30	08.3	07.0	303	30	09.3	07.3	316	30	08.0	06.6	330
1.5 ,,	30	05.7	04.5	279	30	05.8	04.5	301	29	09.7	08.8	304	30	08.3	07.7	297	28	09.2	09.0	296	30	08.8	07.2	320
2.1 ,,	30	06.5	04.9	278	30	05.7	03.9	276	29	12.1	11.4	299	29	10.2	09.8	295	19	10.6	09.9	283	29	10.0	07.5	297
3.0 ,,	30	07.9	06.9	264	30	06.4	04.7	267	25	15.0	14.1	295	25	13.0	12.6	292	13	11.5	11.0	285	22	09.9	08.7	291
3.6 ,,	30	09.6	08.5	259	14	08.1	07.1	251	20	15.8	14.8	290	22	14.8	14.3	289	01	17.0	17.0	285	21	10.2	08.9	278
4.5 ,,	30	11.3	09.3	250	03	11.0	08.7	248	16	15.9	14.4	283	15	15.3	14.7	287					19	11.7	09.9	281
5.4 ,,	30	13.8	12.4	259					10	15.5	14.4	283	04	09.7	09.5	287					18	13.7	10.8	280
6.0 ,,	30	14.2	12.3	264					06	14.3	13.3	292	02	10.0	10.0	295					17	15.5	13.4	274
7.2 ,,	28	16.7	15.4	273					02	16.0	15.9	294									02	21.0	20.1	280
9.0 ,,	25	22.4	21.0	266																				

STATION	AMBALA												AMINI											
TIME IN I.S.T.	1130				1730				2330				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	02.1	00.9	321	30	02.2	02.0	309	30	02.1	01.5	310	30	02.2	02.0	331	30	03.3	02.8	328	30	04.3	03.8	317
.15 A.G.L.	30	05.9	02.8	330	30	06.8	06.1	303	30	09.8	08.5	332	30	04.1	03.7	336	30	04.3	03.7	333	30	04.7	04.3	318
.3A.M.S.L.	30	03.1	01.5	330	30	03.7	03.3	300	30	04.4	03.6	329	30	04.1	03.7	337	30	04.2	03.8	329	30	04.8	04.5	317
.6 ,,	30	06.5	03.3	330	30	07.4	06.6	300	30	09.4	08.3	328	30	04.1	03.5	340	30	04.0	03.4	335	30	04.9	04.3	322
.9 ,,	30	07.2	04.6	332	30	07.5	07.2	303	30	09.0	08.0	325	29	04.5	02.9	349	30	04.0	02.6	357	29	05.0	03.5	338
1.5 ,,	30	07.8	06.0	313	30	07.9	07.1	307	28	08.4	06.8	311	25	04.2	02.2	055	26	04.6	03.2	029	29	04.4	03.2	035
2.1 ,,	29	08.0	06.4	313	30	07.8	07.3	304	25	08.7	07.3	302	23	05.4	03.9	069	26	05.6	05.1	054	25	06.5	05.7	070
3.0 ,,	23	07.9	06.2	300	24	07.0	06.3	293	19	08.5	06.9	284	16	08.5	08.2	081	22	09.6	09.2	074	25	10.8	10.3	082
3.6 ,,	19	08.8	07.0	296	19	07.5	06.6	285	03	09.3	08.9	271	12	09.2	08.8	078	20	09.0	08.6	075	22	11.6	11.2	085
4.5 ,,	16	09.4	07.7	287	15	10.0	08.7	276	01	11.0	11.0	265	04	08.0	05.7	087	16	06.0	04.3	072	09	06.9	06.1	088
5.4 ,,	15	10.4	08.3	274	14	10.9	09.1	273					02	04.5	02.1	040	15	06.3	03.3	062	05	04.2	03.1	050
6.0 ,,	15	12.9	11.9	273	11	12.3	10.5	276									15	07.0	03.5	047	02	04.0	01.1	085
7.2 ,,	01	33.0	33.0	240													13	07.5	02.2	046				
9.0 ,,																	06	07.3	02.7	023				

STATION	ANANTAPUR												ASANSOL											
TIME IN I.S.T.	0530				1730				2330				0530				1130				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.6	00.9	218	30	02.4	02.2	074	30	04.1	02.3	104	30	00.9	00.2	296	30	02.3	01.2	310	30	02.0	01.1	321
.15 A.G.L.	30	05.4	03.3	223	30	03.9	03.0	073	30	08.2	05.3	112	29	05.7	02.7	294	30	05.6	02.9	298	29	06.1	03.1	328
.3A.M.S.L.													29	05.9	02.8	296	30	05.5	02.9	299	29	06.4	03.2	325
.6 ,,	30	06.2	03.8	226	30	03.9	02.8	077	30	08.1	05.6	112	29	07.5	04.7	296	30	05.3	02.5	287	29	07.0	04.2	302
.9 ,,	30	06.1	02.9	212	30	03.6	02.3	075	30	07.9	06.1	121	27	08.6	06.5	300	30	05.9	03.8	273	29	07.6	04.8	295
1.5 ,,	30	06.1	02.5	134	30	04.1	02.8	075	29	05.0	03.8	113	26	09.8	08.4	302	24	07.6	06.2	284	29	07.9	06.6	284
2.1 ,,	30	06.2	03.4	099	30	04.6	03.1	073	26	04.3	02.9	084	24	11.2	10.4	299	14	08.9	07.0	293	28	08.9	08.4	287
3.0 ,,	30	06.4	05.2	052	28	05.9	04.0	071	25	04.8	03.0	023	19	14.4	13.2	292	04	07.8	07.5	246	26	13.7	12.6	285
3.6 ,,	29	07.5	06.5	038	26	05.7	04.1	063	18	04.9	03.2	015	19	16.4	15.4	288					24	15.5	14.7	287
4.5 ,,	28	07.9	06.4	045	24	05.6	03.1	050	05	04.6	03.7	052	10	16.1	15.5	294					22	17.1	16.8	290
5.4 ,,	26	06.1	03.2	055	20	06.3	02.7	009	02	03.5	03.5	060	10	18.4	17.3	289					13	18.5	17.7	288
6.0 ,,	26	06.2	02.0	030	18	06.1	02.2	352					07	20.1	19.2	285					12	16.9	15.9	284
7.2 ,,	23	06.5	03.8	302	05	07.0	04.6	277					04	21.0	20.3	283					06	23.7	23.0	277
9.0 ,,	09	07.5	06.1	274									02	13.5	13.3	331					01	17.0	17.0	305

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

STATION	ASANSOL				AURANGABAD/CHIKALTHAN												BAHRAICH							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.1	00.1	099	30	02.6	02.0	312	30	03.9	02.6	315	30	04.0	02.8	325	30	02.8	00.6	309	30	03.4	00.9	291
.15 A.G.L.	30	07.4	01.6	337	30	06.1	03.7	341	30	04.8	02.8	325	29	07.7	06.1	335	30	08.8	01.9	347	29	05.8	01.5	295
.3A.M.S.L.	30	07.5	01.8	335													30	09.1	01.7	342	29	05.8	01.3	297
.6 ,,	30	08.8	03.2	324													30	10.4	04.0	306	29	07.2	02.9	304
.9 ,,	29	09.0	04.7	308	30	07.9	05.4	356	30	04.7	02.8	314	29	09.1	07.6	342	29	10.4	06.6	301	28	05.0	04.3	297
1.5 ,,	29	08.2	06.6	291	30	08.9	06.5	359	30	04.3	02.8	324	29	08.2	06.9	350	23	11.5	10.1	296	25	10.4	08.9	291
2.1 ,,	24	10.2	08.7	285	30	07.0	03.5	005	30	04.3	02.7	322	29	05.8	03.9	354	12	09.3	08.8	297	18	09.7	09.2	290
3.0 ,,	16	11.4	09.6	297	30	06.9	00.3	306	30	03.9	02.0	332	29	05.4	00.8	217	07	11.3	10.8	306	11	10.0	09.4	298
3.6 ,,	05	12.4	10.6	279	29	06.7	01.0	247	28	04.6	02.0	275	28	06.5	02.5	198	06	13.4	12.6	312	10	11.7	10.1	297
4.5 ,,	02	05.5	04.5	317	24	06.5	02.8	225	25	05.2	02.7	258	18	07.2	04.4	198	03	13.0	12.7	315	05	11.2	10.2	302
5.4 ,,					14	06.8	05.7	236	22	06.2	04.3	271	15	06.5	02.7	229	03	08.4	07.8	323	04	11.0	09.9	288
6.0 ,,					10	08.6	06.3	262	21	07.9	06.4	288	09	07.1	05.1	277	03	10.0	08.7	315	03	11.3	07.3	277
7.2 ,,					07	12.0	07.7	304	15	14.7	12.1	289	08	11.9	10.2	289					01	12.0	12.0	290
9.0 ,,					01	09.0	09.0	285	07	15.0	14.2	289												

STATION	BAHRAICH				BANGALORE																BAREILLY			
TIME IN I.S.T.	1730				0530				1130				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	03.4	02.5	286	30	03.0	01.7	236	30	02.2	00.8	146	30	03.6	02.8	094	30	03.9	02.8	138	30	02.0	00.6	301
.15 A.G.L.	28	06.7	05.0	301	30	05.2	02.7	235	29	03.8	01.4	160	30	05.0	04.0	098	30	08.8	06.9	145	30	10.9	05.4	326
.3A.M.S.L.	28	06.8	05.2	302																	30	09.7	04.9	319
.6 ,,	28	08.0	06.3	298																	30	13.0	08.3	314
.9 ,,	28	08.6	07.5	294																	30	12.6	09.4	309
1.5 ,,	23	09.5	08.7	290	29	05.4	02.2	180	30	03.3	01.1	132	30	04.8	03.7	088	30	09.5	08.0	136	30	11.9	11.0	301
2.1 ,,	18	10.6	10.3	290	29	06.0	03.7	097	29	05.2	03.7	086	30	04.7	03.9	083	30	07.1	05.5	112	28	12.7	12.3	299
3.0 ,,	08	08.5	07.9	301	30	08.3	07.9	062	28	08.4	07.7	059	29	06.1	05.5	061	29	06.8	05.1	062	20	12.3	12.0	295
3.6 ,,	04	08.5	07.6	298	30	09.0	08.4	057	25	09.3	09.0	061	26	07.0	06.7	057	27	07.3	06.0	047	13	13.6	13.3	301
4.5 ,,	04	09.3	08.3	293	30	07.3	06.3	070	24	06.9	05.9	077	24	06.7	05.7	062	18	08.4	07.4	047	10	16.1	16.1	301
5.4 ,,	04	11.3	10.3	298	28	06.5	03.5	075	22	06.3	04.2	084	20	05.7	03.3	072	08	07.3	06.7	031	07	14.3	13.7	301
6.0 ,,	03	14.3	13.2	291	28	06.5	02.1	062	22	07.0	03.3	069	19	05.6	02.9	065	02	06.0	04.1	044	06	11.2	10.2	306
7.2 ,,	01	15.0	15.0	295	28	05.9	01.3	329	21	07.1	01.2	105	19	06.2	02.1	018	01	01.0	01.0	080	04	11.0	10.5	311
9.0 ,,					20	08.2	05.5	264	15	06.0	01.7	281	15	08.1	03.5	286					02	16.0	15.7	327

STATION	BAREILLY				BIRGANJ/PT												BHAGALPUR							
TIME IN I.S.T.	1730				0530				1130				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	04.2	03.6	300	30	01.7	00.4	172	30	01.9	00.7	166	30	02.6	01.6	138	30	02.6	00.1	081	30	02.6	01.1	309
.15 A.G.L.	30	08.8	07.6	297	30	05.0	01.7	220	30	03.4	00.9	182	30	05.8	03.9	146	30	08.5	01.1	043	29	06.3	02.4	321
.3A.M.S.L.	30	07.9	07.2	294													30	07.5	01.6	309	29	07.0	02.6	324
.6 ,,	30	10.2	09.5	292	30	03.7	01.2	198	30	03.0	01.1	186	30	04.4	02.9	142	30	08.5	04.4	285	29	07.8	03.9	304
.9 ,,	26	08.9	08.3	291	30	06.1	02.4	210	30	03.5	00.9	177	30	06.0	04.4	147	30	09.1	05.9	285	29	08.2	05.7	284
1.5 ,,	21	08.0	07.4	291	30	06.1	01.8	173	30	03.9	00.7	178	30	04.2	02.5	123	27	10.3	09.6	287	27	10.8	09.7	278
2.1 ,,	18	08.2	07.8	286	30	05.4	00.4	085	30	03.9	00.6	102	30	03.3	01.1	356	22	11.5	06.6	303	23	12.4	12.0	278
3.0 ,,	15	10.1	09.4	286	30	05.2	01.8	012	29	04.1	02.3	043	28	05.4	04.1	344	11	11.2	10.6	298	11	12.4	11.9	291
3.6 ,,	13	11.1	10.5	288	27	06.0	02.8	349	27	05.2	03.1	030	04	05.0	03.9	347	08	08.7	06.7	318	07	10.7	10.1	285
4.5 ,,	10	11.5	10.6	292	22	07.4	05.3	360	27	05.0	03.6	037	01	02.0	02.0	040	04	09.5	09.2	317	04	11.3	10.5	283
5.4 ,,	10	12.7	11.3	293	19	07.1	04.9	020	24	06.2	02.2	033					03	10.3	09.9	298	01	06.0	06.0	305
6.0 ,,	09	14.9	13.8	291	17	07.6	04.2	011	22	06.3	02.5	015					02	11.0	09.0	314				
7.2 ,,	05	18.2	16.9	305	14	10.4	06.5	332	17	09.3	07.4	332												
9.0 ,,	01	16.0	16.0	320	12	10.7	10.3	285	06	13.0	10.0	300												

STATION	BHOPAL/BAIRAGARH												BHUBANESHWAR											
TIME IN I.S.T.	0530				1730				2330				0530				1130				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	03.1	01.7	320	30	03.3	02.8	287	30	02.8	01.7	313	30	02.8	01.8	239	30	03.8	02.7	215	29	05.6	04.3	186
.15 A.G.L.	30	07.8	04.0	356	30	04.9	03.7	292	30	08.0	05.3	337	26	06.2	04.2	234	30	05.6	04.2	208	29	07.5	06.2	184
.3A.M.S.L.													26	06.4	04.5	232	30	05.0	03.9	218	29	08.1	06.7	187
.6 ,,	30	06.8	03.2	348	30	04.5	03.6	288	30	07.0	04.7	328	24	07.5	04.9	248	30	04.4	02.9	233	29	06.8	05.1	194
.9 ,,	30	08.6	05.1	003	30	06.0	05.2	298	30	08.2	06.3	336	23	07.1	04.7	263	28	04.8	03.2	267	27	05.3	03.9	229
1.5 ,,	30	07.4	04.7	342	30	06.2	05.8	298	30	06.7	05.5	317	20	05.7	04.5	299	27	06.3	04.5	300	24	05.2	04.3	286
2.1 ,,	30	06.9	05.4	303	30	05.8	05.3	300	29	05.4	04.7	293	20	05.4	04.7	318	22	05.9	04.9	296	22	06.9	06.5	309
3.0 ,,	28	09.1	08.0	273	30	07.1	06.0	280	29	07.2	06.3	269	18	08.1	07.5	330	13	07.3	06.7	311	21	10.8	10.4	320
3.6 ,,	27	10.4	09.2	268	29	08.9	08.1	274	17	08.2	07.5	268	16	09.6	08.8	330					17	11.8	11.3	314
4.5 ,,	26	11.4	10.7	269	25	11.1	10.5	279					13	10.4	09.3	320					12	10.8	10.0	307
5.4 ,,	26	13.2	12.3	277	23	13.0	12.2	282					09	09.6	08.2	300					09	12.6	11.3	300
6.0 ,,	24	15.0	14.2	279	23	15.9	15.1	283					08	11.9	11.4	295					08	13.0	11.7	299
7.2 ,,	23	18.9	17.9	284	19	18.1	17.2	283					04	13.2	12.7	284					04	15.7	14.8	280
9.0 ,,	18	22.0	21.6	288	09	21.3	20.2	278					01	14.0	14.0	250								

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

STATION	BHUBANESHWAR				BHUJ/RUDRAMATA												BIKANER							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	05.0	03.8	216	30	02.0	01.6	270	30	04.7	03.5	273	30	03.2	02.9	261	30	00.7	00.4	255	30	01.9	01.2	279
.15 A.G.L.	30	08.9	07.0	206	30	07.3	06.1	292	30	05.8	04.5	275	30	06.6	05.6	276	30	07.7	01.4	145	30	06.0	04.0	265
.3A.M.S.L.	30	09.3	07.2	209	30	08.1	06.1	272	30	06.1	04.9	277	30	07.4	06.3	282	30	05.9	01.3	156	30	05.0	03.3	264
.6 ,,	30	09.5	07.2	216	30	09.0	07.5	298	30	06.2	04.8	280	30	06.9	05.6	290	30	07.8	01.3	204	30	06.0	04.4	279
.9 ,,	30	07.7	05.6	230	30	08.2	06.6	293	30	05.9	04.6	285	30	06.0	04.1	291	30	06.2	02.5	259	30	06.0	04.2	276
1.5 ,,	30	05.5	03.7	274	30	08.1	06.0	275	30	06.1	04.8	289	30	06.4	04.3	283	30	06.8	05.3	268	30	06.2	04.7	265
2.1 ,,	28	06.4	05.5	300	30	08.2	06.1	270	29	06.6	04.8	277	30	07.1	04.8	275	30	08.0	06.6	270	28	05.7	05.4	257
3.0 ,,	20	09.5	07.9	310	27	09.5	06.1	265	26	08.0	05.5	256	25	06.8	04.3	257	29	11.3	09.3	262	23	06.7	06.2	264
3.6 ,,	03	09.0	08.5	318	18	08.9	06.0	271	26	09.1	07.1	262	08	06.7	04.5	243	28	12.2	09.9	266	20	08.3	07.8	269
4.5 ,,					11	09.5	07.6	264	24	10.7	09.3	264	02	07.0	06.9	312	23	12.4	09.8	281	19	12.4	11.5	268
5.4 ,,					09	07.7	05.2	252	24	12.5	11.3	270					20	14.4	12.8	276	17	16.0	14.8	274
6.0 ,,					09	08.7	05.7	260	24	13.1	11.7	273					19	17.3	15.8	271	14	19.3	18.9	268
7.2 ,,					08	10.7	08.4	253	21	17.0	15.8	274					11	23.1	22.1	281	05	25.2	24.0	264
9.0 ,,					01	11.0	11.0	300	04	20.0	18.2	286					02	18.5	17.7	275	01	27.0	27.0	270

STATION	BIKANER				BOMBAY/SANTACRUZ												CALCUTTA/DUM DUM			
TIME IN I.S.T.	2330				0530*				1130				1730*				2330				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.2	00.3	260	30	00.6	00.5	017	30	02.1	01.1	284	30	06.0	05.5	312	30	01.7	01.0	329	30	01.6	01.1	182
.15 A.G.L.	30	09.1	01.5	296	30	04.5	02.9	353	30	03.6	01.7	299	30	07.9	07.1	319	30	05.4	03.7	333	30	06.6	03.4	227
.3A.M.S.L.	30	07.0	00.6	312	30	04.9	03.3	001	30	03.5	01.1	326	30	07.6	06.8	320	30	06.9	05.0	339	30	07.1	03.9	241
.6 ,,	30	09.3	02.8	286	30	06.1	04.3	004	30	04.1	02.5	043	30	06.8	06.0	327	30	07.6	06.2	347	30	07.7	04.5	256
.9 ,,	30	08.3	02.0	273	30	06.7	05.0	005	30	05.6	04.0	031	30	05.5	04.2	328	30	07.0	06.1	355	30	07.4	04.3	276
1.5 ,,	30	06.7	04.0	255	30	06.3	03.9	350	30	06.2	03.9	008	30	04.6	03.5	336	29	05.9	04.8	349	30	07.1	05.1	289
2.1 ,,	28	07.6	05.5	251	30	06.1	03.3	328	30	05.7	01.8	339	30	04.7	00.8	320	28	04.4	02.5	334	30	07.6	06.4	289
3.0 ,,	25	09.3	07.8	254	30	05.7	02.8	185	29	05.6	02.0	211	30	05.1	02.3	177	28	05.4	01.3	178	30	11.2	10.0	294
3.6 ,,	12	07.4	05.6	265	30	06.5	04.1	181	28	05.6	03.1	204	30	05.3	02.6	177	20	06.1	03.7	178	30	13.4	12.9	297
4.5 ,,	01	07.0	07.0	260	30	06.2	03.1	244	28	06.4	02.6	237	30	05.0	01.6	247	11	06.0	02.6	200	30	13.6	13.0	296
5.4 ,,					30	07.8	05.9	282	26	06.5	03.9	284	30	06.9	04.3	272	03	12.0	08.4	271	30	15.1	14.0	293
6.0 ,,					30	09.2	07.1	284	26	07.2	05.3	291	30	08.8	05.5	275	01	10.0	10.0	355	30	16.3	15.1	286
7.2 ,,					30	11.4	09.9	278	22	09.8	07.9	285	30	11.1	09.6	276					30	17.9	16.8	284
9.0 ,,					30	15.5	13.9	271	16	15.8	14.7	274	30	14.9	13.5	271					30	23.8	22.0	278

STATION	CALCUTTA/DUM DUM												COCHIN/WILLINGDON											
TIME IN I.S.T.	1130				1730*				2330				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	02.0	00.7	220	30	02.2	01.6	196	30	02.3	01.8	184	30	00.3	00.2	019	30	03.9	03.3	280	30	00.8	00.2	083
.15 A.G.L.	30	04.5	01.9	237	30	06.0	03.9	208	30	07.9	06.8	201	29	02.4	01.3	069	29	05.8	04.9	279	28	03.2	00.2	005
.3A.M.S.L.	30	04.6	02.1	227	30	06.2	03.9	212	30	08.4	07.1	208	29	02.5	00.9	004	29	05.9	05.1	276	28	03.3	01.0	266
.6 ,,	30	04.8	02.3	252	30	05.8	03.5	224	30	07.7	06.0	218	29	03.1	02.1	311	29	05.2	04.6	277	28	02.8	01.6	296
.9 ,,	29	05.3	03.2	265	30	05.5	03.3	248	30	06.5	04.7	239	29	02.9	01.9	310	29	03.3	02.4	280	28	02.7	01.2	314
1.5 ,,	28	07.3	05.7	285	30	06.0	04.9	287	30	06.4	04.9	299	29	03.2	01.0	057	29	04.0	03.1	065	27	03.2	02.0	071
2.1 ,,	27	09.3	08.3	290	30	08.0	07.4	296	30	08.4	07.6	302	29	06.0	05.2	073	24	06.5	06.2	068	22	06.1	05.8	072
3.0 ,,	25	12.8	11.3	293	30	12.4	11.9	303	23	11.5	11.2	301	12	09.9	09.7	067	21	08.8	08.6	068	08	06.6	06.4	072
3.6 ,,	23	15.4	14.4	296	30	13.7	13.2	301	02	05.5	05.5	314	03	10.0	07.1	068	14	07.8	07.3	065				
4.5 ,,	22	18.1	17.4	296	30	14.7	14.4	298	01	09.0	09.0	295					12	06.8	05.2	076				
5.4 ,,	19	19.4	18.7	294	30	14.7	14.1	299									04	07.5	04.7	081				
6.0 ,,	15	21.5	20.3	290	30	15.6	14.9	294									02	04.5	00.7	072				
7.2 ,,	11	25.8	25.0	282	30	17.9	16.7	282																
9.0 ,,	02	20.5	20.3	285	29	23.6	22.1	282																

STATION	DEHRADUN								DIBRUGARH/MOHANBARI															
TIME IN I.S.T.	0530				1730				0530				1130				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	00.2	00.1	027	30	01.6	01.4	267	30	01.2	01.1	049	30	00.8	00.4	054	30	00.9	00.6	037	30	01.0	00.8	035
.15 A.G.L.	30	01.5	00.3	081	30	03.4	02.6	270	29	04.9	04.0	046	28	02.9	01.3	086	27	03.2	00.7	020	30	04.8	03.5	025
.3A.M.S.L.									29	04.9	04.3	048	28	02.4	00.8	095	27	03.3	00.8	018	30	04.5	03.0	020
.6 ,,									29	04.2	03.8	056	28	02.3	00.8	072	27	03.4	00.6	044	30	04.1	02.6	049
.9 ,,	30	01.5	00.3	083	30	03.3	02.9	270	29	03.8	02.9	072	27	02.9	00.5	081	27	03.3	00.3	099	30	03.1	01.6	070
1.5 ,,	30	02.7	01.4	302	30	03.7	03.2	280	29	02.6	01.2	083	25	03.6	02.0	206	27	04.4	02.5	235	29	02.8	01.1	145
2.1 ,,	30	04.1	03.3	310	30	04.0	02.9	291	26	03.7	01.2	221	25	04.5	03.7	215	27	06.0	05.6	230	26	03.9	01.8	214
3.0 ,,	29	07.0	05.7	296	29	05.7	04.5	293	20	05.7	04.5	250	21	06.7	06.0	238	25	08.4	08.2	233	20	06.4	04.9	240
3.6 ,,	28	09.0	08.1	295	25	07.3	04.7	299	15	07.5	06.7	256	18	07.4	06.9	248	22	10.1	09.4	235	14	06.2	04.9	235
4.5 ,,	27	10.6	09.5	286	24	10.0	08.7	295	10	11.5	09.3	265	15	09.1	08.4	253	18	11.6	10.4	243	02	04.5	03.8	261
5.4 ,,	24	14.1	11.3	303	20	13.9	12.4	275	08	14.9	11.0	259	13	10.1	08.7	270	11	11.5	09.7	263				
6.0 ,,	19	13.5	11.5	280	19	15.5	14.1	280	06	14.3	11.7	268	10	11.4	08.6	274	10	10.1	08.3	263				
7.2 ,,	13	15.9	13.4	265	13	19.0	17.1	274	03	21.0	14.3	276	10	17.4	15.4	270	03	07.3	06.8	352				
9.0 ,,	01	10.0	10.0	341	02	15.5	15.1	289	02	19.0	18.4	289	04	15.7	13.9	291	02	15.5	05.2	014				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

STATION	GADAG												GANGTOK								GAUHATI			
TIME IN I.S.T.	0530				1730				2330				0530				1730				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	02.9	01.8	255	30	01.9	00.7	081	30	04.6	02.9	255	30	01.2	00.8	021	30	02.1	00.8	165	30	00.8	00.5	063
.15 A.G.L.	30	06.0	03.6	276	29	03.8	01.0	076	26	08.7	04.8	260	20	01.9	01.3	004	20	03.6	02.9	178	30	03.6	02.1	077
.3A.M.S.L.																					30	03.8	02.2	081
.6 ,,																					30	05.0	02.2	097
.9 ,,	30	06.9	03.7	328	29	03.6	01.1	063	26	09.1	04.1	284									30	04.7	00.4	103
1.5 ,,	30	06.4	02.3	012	29	03.5	01.1	079	26	06.1	01.7	026									30	05.0	04.0	260
2.1 ,,	30	05.4	01.9	077	29	03.7	01.3	047	26	04.8	03.8	087	20	01.8	00.9	335	20	03.2	02.6	180	30	07.5	06.5	257
3.0 ,,	30	05.0	02.9	070	27	04.4	02.1	059	25	05.9	05.5	085	18	02.4	01.9	156	13	03.8	02.2	165	30	10.3	09.7	266
3.6 ,,	29	06.1	04.4	062	26	04.3	02.5	061	23	07.0	06.1	069	16	03.2	02.5	244	11	04.8	02.9	192	30	11.9	11.2	270
4.5 ,,	24	06.6	04.8	069	19	04.3	03.0	049	18	06.3	05.1	052	12	11.4	09.7	269	07	05.3	03.1	250	30	14.8	14.1	274
5.4 ,,	21	06.8	02.9	037	14	05.5	04.2	025	09	06.6	01.9	028	11	15.2	14.2	263	03	07.3	05.8	260	30	14.9	13.8	276
6.0 ,,	19	07.3	03.3	002	12	06.6	04.3	007	05	06.3	03.2	031	09	17.3	16.5	260					30	17.2	14.8	280
7.2 ,,	18	06.3	04.1	312	11	06.1	04.7	339					06	23.7	21.5	271					29	19.3	16.8	276
9.0 ,,	16	08.7	06.6	281	10	09.4	07.3	283					02	43.5	40.9	284					26	21.8	19.0	274

STATION	GAUHATI												GAYA											
TIME IN I.S.T.	1130				1730*				2330				0530				1130				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	02.3	01.6	039	30	01.8	00.9	047	30	01.6	00.6	070	30	03.3	01.1	232	30	05.3	03.7	280	30	05.8	04.3	307
.15 A.G.L.	30	04.1	02.9	055	30	05.2	02.0	029	30	04.1	01.9	087	30	06.9	03.2	268	30	06.2	04.8	290	30	08.4	06.3	304
.3A.M.S.L.	30	03.9	02.6	063	30	05.3	01.9	027	30	04.2	01.9	089	30	07.3	03.5	282	30	06.0	04.7	285	30	08.4	06.3	301
.6 ,,	30	03.5	02.1	071	30	06.0	01.6	058	29	04.3	01.4	089	30	08.9	05.2	295	30	06.8	05.1	286	30	09.1	07.2	302
.9 ,,	30	03.5	00.2	069	30	05.2	00.5	293	29	03.6	00.7	264	30	09.3	06.2	298	29	06.9	05.4	287	30	09.9	08.1	299
1.5 ,,	28	05.6	04.6	245	30	06.0	04.3	254	28	05.5	04.6	253	30	10.7	08.6	295	27	08.9	08.3	285	29	09.1	08.2	290
2.1 ,,	27	09.4	07.2	244	30	08.4	07.8	245	25	06.7	06.5	256	30	12.9	11.9	295	20	08.1	07.5	292	29	12.2	11.7	286
3.0 ,,	23	11.6	10.9	257	30	10.6	09.8	251	21	09.2	08.8	254	24	13.7	12.8	295	14	11.0	09.3	282	26	14.9	14.5	284
3.6 ,,	21	14.2	13.5	261	30	12.7	11.8	277	02	08.0	07.9	281	18	14.4	13.3	290	02	13.0	11.7	283	22	14.9	14.4	282
4.5 ,,	11	13.5	13.3	264	30	15.3	15.0	289					11	15.4	14.3	295					16	17.1	16.7	292
5.4 ,,	07	16.1	15.5	268	29	15.8	14.9	273					08	15.3	15.1	305					08	17.0	16.3	293
6.0 ,,	06	13.7	12.5	272	29	17.6	16.6	277					05	16.6	16.1	295					04	15.7	15.4	299
7.2 ,,	04	24.2	23.7	272	28	19.9	18.7	284					04	23.7	23.7	292					02	14.0	14.0	300
9.0 ,,	01	38.0	37.5	256	25	20.7	19.2	284																

STATION	GAYA				GOA/DABOLIM												GOPALPUR							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	03.7	01.0	357	30	01.6	00.8	039	30	06.8	05.6	307	30	04.5	03.6	350	30	03.5	02.8	222	30	06.8	05.6	205
.15 A.G.L.	29	10.1	03.6	329	30	03.2	01.1	019	30	05.4	04.3	288	29	04.2	03.4	331	30	07.7	06.4	218	28	12.6	12.4	200
.3A.M.S.L.	29	10.3	04.0	325	30	03.9	01.5	342	30	05.5	04.5	289	29	04.9	04.1	336	30	07.0	05.7	220	28	11.0	10.3	203
.6 ,,	29	11.1	05.8	304	30	04.7	02.3	335	30	04.8	03.7	288	29	05.6	04.2	331	30	06.3	04.6	235	28	07.4	06.3	201
.9 ,,	29	11.4	07.5	297	30	05.2	03.0	344	30	03.8	02.1	307	29	05.0	03.7	335	30	06.5	04.4	246	26	05.0	04.1	218
1.5 ,,	27	11.3	09.1	292	26	04.8	03.2	346	29	03.6	01.8	010	28	04.5	02.7	330	28	05.0	03.3	285	26	04.3	02.6	280
2.1 ,,	22	11.8	09.6	287	22	04.1	01.3	039	26	04.5	03.0	045	21	04.2	01.6	055	26	05.2	04.0	324	21	05.5	04.8	322
3.0 ,,	11	12.2	11.3	288	12	04.0	02.0	097	26	05.9	04.3	077	13	04.5	04.0	111	24	06.4	05.7	343	18	08.9	08.1	327
3.6 ,,	05	14.8	12.3	296	04	04.7	02.5	048	25	06.2	04.6	087	07	05.7	05.3	115	20	07.9	06.8	337	15	09.6	09.0	332
4.5 ,,									17	05.2	02.6	080					12	08.5	07.0	321	10	09.7	08.6	326
5.4 ,,									12	04.4	01.7	001					09	10.2	09.1	291	09	10.4	08.3	301
6.0 ,,									05	05.6	04.6	306					01	07.0	07.0	331	09	11.9	10.7	305
7.2 ,,									01	09.0	09.0	285									04	15.7	14.3	297
9.0 ,,																					01	06.0	06.0	230

STATION	GOPALPUR				GORAKHPUR								GWALIOR											
TIME IN I.S.T.	2330				0530				1730				0530				1130				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	06.4	05.3	223	30	02.1	00.3	316	30	03.1	01.5	273	30	01.0	00.3	277	30	02.2	01.2	295	30	02.1	01.8	316
.15 A.G.L.	30	10.7	09.2	212	30	07.1	01.4	323	29	06.6	05.7	285	30	06.1	02.2	337	30	03.8	02.4	306	30	05.4	04.6	316
.3A.M.S.L.	30	09.3	08.1	213	30	08.5	02.1	310	29	07.4	06.6	285	30	05.1	01.9	305	30	03.5	02.0	303	30	04.5	03.9	316
.6 ,,	30	06.6	05.6	218	30	11.1	05.2	298	29	09.0	08.3	285	30	07.5	03.8	345	30	04.3	02.8	312	30	05.8	05.3	313
.9 ,,	28	05.1	04.1	230	30	12.2	06.9	298	29	10.0	09.1	286	30	07.1	05.2	325	30	04.6	03.7	307	30	05.6	05.2	307
1.5 ,,	27	04.7	02.8	269	30	13.1	10.9	299	26	10.5	09.9	291	30	07.4	06.3	301	30	05.5	05.3	296	30	06.2	05.7	307
2.1 ,,	21	06.4	04.9	324	28	14.8	13.6	298	24	12.2	11.7	292	30	09.3	08.5	293	30	07.5	07.1	289	29	07.1	06.5	296
3.0 ,,	13	08.5	07.7	333	21	14.4	13.7	296	22	14.7	14.0	293	27	11.9	11.0	284	29	10.2	09.5	282	28	08.7	08.3	287
3.6 ,,	01	07.0	07.0	335	15	12.7	12.1	296	15	16.0	15.5	295	26	12.8	08.2	285	29	12.7	11.8	279	27	11.0	10.5	283
4.5 ,,					13	14.1	13.3	300	10	13.8	13.5	297	24	14.8	13.8	282	29	15.1	14.4	279	22	14.6	14.0	281
5.4 ,,					10	13.5	12.3	307	09	13.7	11.4	301	20	16.4	15.4	281	28	16.6	15.9	277	19	18.6	17.5	281
6.0 ,,					08	11.2	10.1	300	05	09.8	09.4	296	19	17.9	17.0	282	27	17.2	16.2	277	17	19.5	17.5	293
7.2 ,,					03	08.0	07.4	329					14	22.5	21.4	280	18	20.1	18.5	277	14	24.1	23.0	281
9.0 ,,					02	19.0	18.1	317					08	28.5	27.2	280	10	23.8	22.7	283	03	28.0	27.6	288

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

STATION	GWALIOR				IMPHAL/TULIHAL												JABALPUR			
TIME IN I.S.T.	2330				0530				1130				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	00.9	00.4	353	30	00.7	00.4	036	30	01.5	00.9	272	30	02.3	01.6	288	30	00.9	00.4	358	30	00.4	00.2	227
.15 A.G.L.	30	06.2	03.7	003	27	02.3	01.3	048	30	02.6	01.5	265	30	05.1	03.7	277	30	02.3	00.9	310	30	04.8	00.6	073
.3A.M.S.L.	30	05.6	03.5	001																				
.6 ,,	30	06.4	04.7	350																	30	05.4	01.0	042
.9 ,,	30	05.4	04.5	332	27	02.1	01.2	049	30	02.7	01.5	267	30	04.8	03.5	277	30	02.2	00.9	315	30	06.6	02.4	001
1.5 ,,	30	06.3	05.5	293	27	04.4	03.4	273	30	04.3	03.2	258	30	04.8	03.8	258	30	04.5	03.9	259	30	06.5	04.6	330
2.1 ,,	29	08.2	07.9	279	26	07.8	07.4	270	30	06.9	06.2	259	29	07.2	06.8	259	30	07.7	07.3	264	30	06.9	06.2	301
3.0 ,,	28	10.4	09.8	275	22	11.6	11.0	272	21	09.6	08.9	261	24	11.3	10.5	265	19	10.2	09.8	271	30	09.7	09.0	282
3.6 ,,	09	09.5	09.3	282	16	11.8	10.5	274	16	11.1	10.1	264	15	13.5	12.3	269	05	05.0	04.4	238	30	12.3	11.4	279
4.5 ,,	04	15.0	14.5	268	10	12.1	10.2	279	09	11.2	10.8	263	06	08.0	06.9	280	01	05.0	05.0	190	26	12.4	11.4	283
5.4 ,,					07	12.3	09.2	280	02	16.0	15.5	272	03	07.7	07.5	304					20	13.1	12.4	294
6.0 ,,					04	16.5	13.3	297	02	16.5	15.3	267	01	19.0	19.0	282					17	14.2	13.3	294
7.2 ,,					02	16.5	16.5	322	01	30.0	30.0	265									05	13.4	12.5	304
9.0 ,,					01	09.0	09.0	320													01	17.0	12.0	310

STATION	JABALPUR								JAGDALPUR												JAIPUR/SANGANER			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	02.0	01.2	300	30	00.8	00.2	049	30	00.3	00.1	160	30	01.3	00.5	252	30	01.0	00.7	176	30	01.0	00.5	010
.15 A.G.L.	30	05.8	03.3	296	30	06.9	03.3	017	30	04.2	03.0	210	30	03.9	01.8	253	30	06.3	04.1	205	30	05.7	02.1	004
.3A.M.S.L.																								
.6 ,,	30	06.0	03.5	295	30	07.2	04.1	015	30	02.2	01.8	217	30	02.7	01.3	245	30	04.0	02.6	202	30	06.4	02.4	351
.9 ,,	30	06.1	04.5	294	30	07.2	04.2	001	30	05.7	04.0	219	30	04.3	02.3	260	30	06.6	03.8	216	30	07.1	03.9	301
1.5 ,,	30	05.7	04.5	303	30	05.9	04.4	329	30	04.9	02.0	276	30	04.1	02.8	278	30	04.6	02.7	274	30	07.0	05.9	292
2.1 ,,	30	06.2	05.1	304	30	05.6	04.6	302	30	04.9	03.6	316	30	04.3	03.3	300	30	04.1	02.9	306	30	08.3	07.0	284
3.0 ,,	27	08.0	06.9	288	27	09.6	08.4	272	30	07.1	06.0	332	29	04.7	04.0	326	29	04.7	04.0	333	28	09.6	08.3	279
3.6 ,,	26	09.9	09.0	278	13	10.7	09.7	264	29	07.6	06.9	327	29	06.0	04.8	332	22	06.7	05.4	335	27	10.6	09.4	279
4.5 ,,	23	13.0	12.0	283	03	14.0	13.3	263	28	08.2	06.9	324	27	07.7	06.2	326	09	10.3	09.1	313	24	12.4	11.3	279
5.4 ,,	23	15.5	14.7	290					26	09.3	07.2	315	23	09.5	06.9	310	04	15.5	14.7	272	18	15.7	14.6	276
6.0 ,,	19	17.7	16.7	293					26	10.0	07.6	304	22	11.0	08.9	302	02	12.5	11.6	255	15	16.9	15.4	275
7.2 ,,	07	22.1	22.0	293					25	12.6	11.0	290	20	14.6	13.3	300					02	08.5	06.9	276
9.0 ,,									21	16.7	15.6	285	16	20.6	19.9	295					01	15.0	15.0	305

STATION	JAIPUR/SANGANER								JAMSHEDPUR												JHARSUGUDA			
TIME IN I.S.T.	1730				2330				0530				1130				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	03.0	02.9	305	30	01.7	01.4	327	30	01.1	00.6	309					30	02.2	00.8	331	30	01.9	00.1	124
.15 A.G.L.	30	05.8	05.4	292	29	07.5	05.6	318	30	03.7	01.6	289					29	04.4	01.9	331	30	04.5	00.4	103
.3A.M.S.L.									30	03.9	02.1	288					29	04.6	02.1	327	30	03.8	00.5	087
.6 ,,	30	06.5	06.0	291	29	08.4	06.0	313	30	05.6	03.5	295					29	05.6	02.7	312	30	05.5	01.3	335
.9 ,,	30	07.1	06.6	289	29	08.9	07.2	305	30	06.6	04.5	295					29	05.9	03.6	305	30	05.5	02.5	322
1.5 ,,	30	07.9	07.0	285	29	08.0	06.8	287	30	08.0	06.5	304					29	06.3	05.3	297	30	05.8	04.5	299
2.1 ,,	29	06.8	06.1	287	28	07.0	06.4	276	29	09.0	07.6	298					28	07.2	06.7	291	30	07.1	06.4	299
3.0 ,,	28	07.2	06.4	285	25	08.5	07.5	266	27	12.2	11.6	295					25	11.1	10.4	286	29	09.9	09.2	300
3.6 ,,	26	09.1	08.2	281	09	07.8	07.3	288	23	14.7	14.1	295					21	13.7	13.0	289	29	12.9	11.8	307
4.5 ,,	25	12.0	10.8	277					22	16.7	15.9	295					20	17.1	16.5	292	26	14.8	13.6	308
5.4 ,,	18	14.1	13.3	280					10	17.1	16.1	288					13	20.5	19.4	292	23	14.6	13.5	298
6.0 ,,	15	17.5	16.1	283					07	17.0	15.9	274					10	22.5	21.2	291	20	15.6	14.2	293
7.2 ,,	07	22.6	21.1	283					02	11.5	09.5	284					02	27.0	26.1	280	14	20.4	18.2	286
9.0 ,,									01	10.0	10.0	230									06	24.3	22.3	266

STATION	JHARSUGUDA								JODHPUR															
TIME IN I.S.T.	1730				2330				0530*				1130				1730*				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	02.6	01.9	260	30	02.3	00.8	168	30	04.3	02.6	267	30	03.0	01.8	267	30	04.8	03.8	256	30	03.7	02.1	247
.15 A.G.L.	30	04.8	03.6	265	30	06.3	01.2	216	30	06.9	04.4	277	29	03.7	02.8	250	30	06.4	05.2	259	30	07.6	04.5	248
.3A.M.S.L.	30	04.3	03.5	262	30	04.8	01.1	202	30	04.8	02.8	268	29	03.8	02.4	268	30	05.0	04.0	257	30	06.4	04.1	244
.6 ,,	30	04.9	04.4	274	30	06.7	02.0	281	30	06.8	04.8	270	29	04.7	03.3	252	30	06.2	05.2	255	30	07.6	05.1	219
.9 ,,	30	05.2	04.7	277	30	06.3	02.8	294	30	07.0	05.2	267	29	05.2	03.9	264	30	06.2	05.0	255	30	07.0	05.1	252
1.5 ,,	30	05.3	04.9	289	30	06.4	04.6	300	30	08.0	06.5	268	29	06.5	04.6	261	30	06.3	05.0	258	30	06.5	05.5	254
2.1 ,,	30	06.1	05.9	296	29	05.9	05.0	307	30	07.8	06.1	263	29	07.7	05.7	257	30	07.2	06.3	266	28	05.7	01.6	242
3.0 ,,	29	08.5	07.9	300	27	06.9	05.1	310	30	09.6	07.7	268	28	08.3	06.6	255	30	08.6	07.3	265	21	06.1	01.8	260
3.6 ,,	29	10.9	09.8	310					30	11.0	08.8	269	28	09.3	06.9	260	30	10.2	09.4	271	14	07.2	03.6	277
4.5 ,,	27	12.8	12.1	309					30	12.9	11.1	267	26	12.8	11.7	265	30	12.2	11.0	264				
5.4 ,,	25	13.9	12.9	299					30	15.1	13.6	260	23	15.7	14.1	268	30	15.3	13.7	269				
6.0 ,,	22	15.0	12.8	291					30	17.2	15.7	268	22	18.5	16.8	273	30	17.6	15.7	274				
7.2 ,,	17	19.9	18.9	286					29	20.5	18.6	267	14	23.4	21.6	269	30	22.1	20.2	268				
9.0 ,,	09	27.7	24.7	287					28	27.7	25.9	271					27	26.7	25.0	270				

TABLE IV - MONTHLY, MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

STATION	LUCKNOW/AMAUSI																MADRAS/MINAMBAKKAM							
TIME IN I.S.T.	0530*				1130				1730*				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	02.4	01.4	330	30	05.9	04.3	315	30	05.2	03.7	300	30	02.4	00.9	320	30	02.8	02.4	197	30	03.1	01.9	175
.15 A.G.L.	30	09.4	04.9	321	29	07.3	05.5	298	30	08.7	06.9	296	30	09.9	05.8	310	30	04.9	04.3	199	30	04.3	03.4	176
.3A.M.S.L.	30	09.4	05.1	324	29	07.7	05.8	296	30	08.7	06.9	296	30	10.2	06.2	325	30	05.7	05.2	196	30	04.5	03.8	184
.6 ,,	30	10.7	06.5	321	29	08.0	06.3	295	30	09.2	08.0	295	30	10.7	07.8	320	30	06.6	06.2	190	30	04.6	03.8	183
.9 ,,	30	12.4	10.1	318	29	08.0	06.7	295	30	09.6	08.7	294	30	09.8	08.3	310	30	05.3	04.5	183	30	04.7	03.5	181
1.5 ,,	30	13.0	11.8	303	28	08.9	07.9	295	30	10.3	09.6	297	29	09.9	09.4	300	30	04.6	03.1	130	27	05.7	03.3	113
2.1 ,,	30	12.6	12.0	297	27	10.9	10.3	290	30	11.1	10.7	295	19	10.0	09.3	292	30	06.0	05.3	084	26	07.6	06.1	075
3.0 ,,	30	15.9	15.1	296	27	13.8	13.0	292	29	11.2	10.9	289	10	09.8	09.2	284	30	07.7	07.3	062	22	08.5	07.9	055
3.6 ,,	30	17.0	15.6	291	27	14.1	13.1	291	29	13.9	13.2	293	03	11.0	09.3	277	30	08.5	08.0	054	21	08.3	07.8	055
4.5 ,,	30	17.7	16.4	305	24	14.7	14.2	286	29	16.8	16.0	290					30	07.3	05.9	042	19	06.9	05.2	063
5.4 ,,	30	17.6	16.8	286	20	15.5	14.8	286	29	16.1	15.3	286					30	05.7	04.2	050	16	06.6	03.6	072
6.0 ,,	30	19.2	18.3	284	19	17.5	16.8	287	29	17.5	16.2	284					30	06.4	03.4	040	16	07.3	03.0	059
7.2 ,,	29	23.2	21.7	279	16	22.7	21.3	282	29	22.3	21.1	281					30	07.2	01.2	340	11	06.0	01.1	127
9.0 ,,	25	24.4	22.2	278	09	28.6	26.1	285	27	28.6	25.9	281					30	07.5	03.8	278	07	05.1	02.3	188

STATION	MADRAS/MINAMBAKKAM								MANGALORE/BAJPE												MINICOY			
TIME IN I.S.T.	1730*				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	05.2	04.6	140	30	03.4	03.0	163	30	00.5	00.5	082	30	05.7	05.5	276	30	01.1	00.5	344	30	01.6	01.0	330
.15 A.G.L.	30	06.9	06.5	141	30	07.1	06.6	160	30	02.3	01.6	030	30	06.5	06.2	282	30	03.7	03.1	326	30	03.1	01.8	327
.3A.M.S.L.	30	06.3	05.8	156	30	07.1	06.6	163	30	02.3	01.6	007	30	06.5	06.1	281	30	04.1	03.7	322	30	03.3	02.0	329
.6 ,,	30	04.5	03.4	177	30	05.3	04.6	164	30	02.3	01.2	319	30	05.1	04.4	284	30	03.8	03.3	319	30	03.2	01.6	342
.9 ,,	30	03.7	01.7	188	30	04.0	02.7	159	30	02.5	01.0	328	30	03.9	02.8	309	30	03.1	01.9	309	30	03.3	01.3	027
1.5 ,,	30	04.4	02.8	094	30	04.0	02.5	110	28	04.3	01.9	032	28	03.0	02.4	018	28	03.2	00.9	343	30	04.6	04.0	087
2.1 ,,	30	07.1	06.5	076	30	05.7	05.0	081	28	05.1	03.7	061	28	05.5	03.5	058	25	05.6	04.6	061	28	07.3	06.9	076
3.0 ,,	30	08.7	07.9	057	29	07.5	07.1	061	26	07.2	06.4	078	26	09.3	09.0	072	20	09.3	08.9	076	24	09.9	09.0	077
3.6 ,,	30	08.1	07.6	055	15	08.8	08.3	054	24	08.3	07.7	069	24	09.7	09.4	074	14	09.1	08.9	073	21	09.0	07.7	081
4.5 ,,	30	07.0	05.1	050	04	06.7	05.7	033	20	07.3	06.2	073	23	07.1	06.6	082	08	05.3	04.4	051	18	06.0	04.3	074
5.4 ,,	30	05.3	02.3	055					15	05.2	01.4	043	22	05.4	03.0	058	02	04.0	03.3	292	17	06.5	04.6	081
6.0 ,,	30	06.0	01.1	014					15	06.0	01.5	352	21	06.0	03.3	046	01	08.0	08.0	265	17	07.5	05.2	083
7.2 ,,	30	06.4	02.2	323					13	07.8	01.5	315	15	06.6	02.6	356					14	06.4	02.8	068
9.0 ,,	30	07.9	05.0	288					07	04.4	02.4	201	10	10.5	07.9	273					10	07.4	02.2	331

STATION	MINICOY												NAGPUR/SONEGAON											
TIME IN I.S.T.	1130				1730*				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	02.0	01.1	318	30	02.1	01.6	311	30	01.7	01.4	318	30	01.9	00.9	322	30	02.9	00.9	345	30	01.7	00.9	282
.15 A.G.L.	29	03.7	02.6	340	30	03.7	02.9	306	30	03.3	02.6	322	30	07.6	03.3	327	30	04.8	01.6	355	30	04.3	01.4	294
.3A.M.S.L.	29	03.7	02.4	346	30	03.9	03.8	318	30	03.2	02.4	326												
.6 ,,	29	03.5	02.1	353	30	03.6	02.6	329	30	03.0	01.8	330	30	08.1	02.9	328	30	04.6	00.8	015	30	04.3	01.4	289
.9 ,,	26	03.4	01.7	026	30	03.6	02.1	358	30	03.0	00.9	003	30	08.5	03.4	321	30	04.5	00.7	029	30	04.2	01.6	280
1.5 ,,	25	04.5	03.8	070	30	04.3	03.7	049	28	05.0	04.4	080	30	06.1	03.2	306	30	05.0	01.6	304	30	03.9	02.0	288
2.1 ,,	23	07.9	07.5	075	30	06.6	06.2	067	26	07.9	07.7	080	30	05.5	03.3	290	30	05.4	03.0	285	30	04.0	02.6	289
3.0 ,,	22	11.2	10.4	080	30	09.1	08.3	067	24	08.9	08.2	076	30	06.8	05.0	282	27	06.3	04.3	282	30	06.2	05.2	285
3.6 ,,	20	09.3	08.7	082	30	07.3	06.3	071	18	08.5	07.5	078	30	08.4	06.7	282	27	08.0	06.6	282	30	07.8	06.1	285
4.5 ,,	16	07.6	07.4	088	30	06.3	04.8	073	07	04.3	03.8	095	30	10.3	08.5	286	24	09.0	07.7	297	30	09.8	08.2	282
5.4 ,,	13	08.9	08.6	084	30	07.1	05.5	082	02	03.0	02.1	157	30	11.2	09.3	295	24	11.1	10.0	297	30	11.7	10.5	291
6.0 ,,	11	08.5	08.1	078	30	08.2	06.3	080	01	05.0	05.0	125	30	12.0	10.5	296	24	12.5	10.4	293	30	12.1	10.9	291
7.2 ,,	07	10.4	07.8	076	30	07.2	04.8	072					30	15.6	14.0	281	22	15.3	13.2	283	30	16.0	14.6	284
9.0 ,,	03	08.0	07.9	095	30	07.9	01.5	080					29	20.4	19.2	278	15	19.3	18.5	278	29	20.6	18.8	279

STATION	NAGPUR/SONEGAON				NEW DELHI/SAFDARJUNG																POONA			
TIME IN I.S.T.	2330				0530*				1130				1730*				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.2	00.6	270	30	02.7	01.7	330	30	02.0	01.7	284	30	02.9	02.4	309	30	01.5	01.1	313	30	00.2	00.2	245
.15 A.G.L.	30	03.7	01.1	227	30	07.1	04.1	336	30	04.6	03.1	298	30	06.3	05.3	310	30	08.3	06.1	338	30	03.7	02.5	288
.3A.M.S.L.					30	06.1	04.2	334	30	04.1	02.9	293	30	05.7	05.1	307	30	07.1	04.7	345				
.6 ,,	30	07.7	01.2	234	30	08.2	05.5	332	30	05.3	03.8	297	30	06.6	05.8	308	30	08.9	06.8	335	30	01.8	01.2	253
.9 ,,	30	07.5	01.4	249	30	09.0	06.5	318	30	06.1	04.7	300	30	07.5	06.8	305	30	08.3	06.6	321	30	05.0	03.0	322
1.5 ,,	30	05.7	02.4	287	30	09.7	09.1	297	30	07.9	06.7	300	30	08.5	07.9	295	30	07.7	07.0	295	30	06.9	04.5	009
2.1 ,,	28	05.3	04.3	305	30	11.0	10.1	292	30	09.8	08.7	295	30	09.2	08.5	289	30	08.8	08.2	282	29	05.8	02.5	029
3.0 ,,	25	05.9	04.6	286	30	13.1	12.3	285	30	12.0	10.8	289	30	11.2	09.7	287	25	11.0	10.1	275	28	06.3	01.7	114
3.6 ,,	08	06.4	05.0	277	30	13.3	12.3	288	25	11.2	10.2	285	30	12.1	11.5	282	08	10.6	10.5	267	20	06.0	02.7	143
4.5 ,,					30	14.5	12.6	282	22	12.3	11.2	281	30	13.6	12.9	282					05	05.0	03.1	228
5.4 ,,					30	16.0	14.3	280	16	13.3	12.3	275	30	16.4	15.5	280								
6.0 ,,					30	17.8	16.4	273	12	14.4	13.5	277	30	18.9	17.3	279								
7.2 ,,					30	21.7	19.9	272	08	20.4	19.5	278	30	21.4	19.7	282								
9.0 ,,					30	28.0	25.7	272	05	25.6	25.6	281	30	29.5	26.2	277								

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

STATION	POONA								PORT BLAIR															
TIME IN I.S.T.	1730				2330				0530*				1130				1730*				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.6	01.0	305	30	00.7	00.4	255	30	00.7	00.6	304	30	02.7	01.6	072	30	00.8	00.5	306	30	01.4	00.7	323
.15 A.G.L.	29	05.3	04.4	297	30	05.3	04.5	280	30	03.1	01.3	300	30	03.4	02.4	074	30	03.0	00.4	348	30	02.9	00.4	349
.3A.M.S.L.									30	03.1	01.3	297	30	03.7	02.4	076	30	03.0	00.4	340	30	03.3	01.0	356
.6 ,,	29	03.6	02.6	307	30	02.7	02.1	263	30	03.1	00.5	272	30	03.3	01.1	052	30	02.6	00.7	001	30	03.2	00.7	023
.9 ,,	29	05.3	04.2	296	30	06.6	05.7	299	30	02.9	00.6	112	26	02.9	00.4	092	30	02.4	01.1	004	28	02.8	00.8	100
1.5 ,,	28	04.3	03.1	295	30	07.1	05.3	324	30	03.7	02.3	098	18	02.9	01.6	099	30	03.2	01.6	035	27	02.9	01.3	108
2.1 ,,	27	03.7	01.5	306	29	04.9	02.0	357	30	04.7	02.7	078	16	04.0	01.9	090	30	04.1	02.3	066	22	03.3	01.7	090
3.0 ,,	25	04.8	01.1	125	28	05.5	03.2	123	30	05.9	03.5	062	10	05.2	03.2	086	30	04.9	02.8	050	20	05.0	02.2	051
3.6 ,,	22	04.9	01.5	117	23	05.8	04.2	137	30	06.0	03.8	058	07	07.0	03.9	068	30	05.5	02.1	047	14	05.0	02.9	059
4.5 ,,	19	05.3	01.1	301	04	08.7	06.8	215	30	05.7	02.7	046	06	05.8	01.7	035	30	05.3	01.5	040	11	05.0	03.2	045
5.4 ,,	17	07.5	05.2	302					30	06.2	01.9	032	05	07.6	03.9	040	30	05.8	02.0	034	06	06.5	05.3	079
6.0 ,,	17	08.9	07.4	297					30	07.5	03.1	010	05	07.4	05.5	018	29	06.9	02.7	022	05	04.8	04.4	047
7.2 ,,	16	12.8	11.4	279					29	08.4	03.7	348	05	08.6	06.6	008	28	08.1	02.6	352	01	04.0	04.0	284
9.0 ,,	09	15.4	14.7	276					28	08.5	02.7	273	03	03.7	03.0	323	27	09.3	02.1	292				

STATION	RAIPUR												RAXAUL								SRINAGAR			
TIME IN I.S.T.	0530				1730				2330				0530				1730				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.6	00.4	251	30	01.5	00.9	282	30	02.0	00.7	210	30	03.2	01.6	092	30	02.6	00.9	294	29	00.5	00.4	338
.15 A.G.L.	30	06.2	01.1	296	30	03.7	02.5	282	30	07.3	02.4	256	30	08.1	03.7	095	30	05.2	02.0	292	29	02.3	00.6	356
.3A.M.S.L.													30	09.0	04.3	097	30	05.3	01.0	290				
.6 ,,	30	07.3	01.5	292	30	04.1	02.9	286	30	07.0	00.3	200	30	10.0	03.2	111	30	06.0	02.8	274				
.9 ,,	30	07.5	02.9	303	30	04.6	03.6	287	30	06.2	02.6	288	28	08.1	01.8	140	30	05.8	03.7	269				
1.5 ,,	30	06.2	03.6	302	30	04.7	04.2	290	30	05.9	04.1	289	25	06.3	02.7	272	26	05.7	04.4	258				
2.1 ,,	30	05.7	04.2	297	30	05.5	05.1	287	30	05.3	04.4	293	22	07.6	06.5	291	22	07.6	07.1	275	29	01.9	00.5	347
3.0 ,,	30	07.3	06.1	295	30	07.2	06.6	291	29	06.5	05.6	297	17	12.3	12.1	291	15	10.0	09.1	291	29	03.4	01.8	159
3.6 ,,	30	09.8	08.5	298	30	08.6	08.0	295	29	07.9	06.4	298	14	13.6	13.3	289	11	09.5	07.5	287	29	04.3	03.4	160
4.5 ,,	30	11.7	10.2	303	30	10.6	09.6	297	14	10.0	08.5	301	09	13.6	13.0	291	06	06.6	06.3	278	28	07.4	04.7	213
5.4 ,,	29	11.9	10.3	301	27	12.4	11.3	300	04	12.7	10.9	282	08	10.8	08.7	304	05	05.2	05.0	274	28	10.2	07.1	251
6.0 ,,	28	12.2	10.8	296	26	13.3	12.0	298	02	11.5	11.3	307	07	10.4	09.3	291	04	06.2	05.9	257	28	11.5	08.6	255
7.2 ,,	28	15.6	13.2	285	26	17.7	16.6	289					02	11.0	10.5	302					27	15.5	12.4	261
9.0 ,,	22	19.7	18.5	279	23	22.0	20.5	284					01	06.0	06.0	304					27	24.1	19.6	265

STATION	SRINAGAR				TIRUCHCHIRAPPALLI												TRIVANDRUM							
TIME IN I.S.T.	1730*				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	26	01.0	00.1	204	30	01.6	00.2	292	30	03.1	02.5	083	30	04.2	03.1	139	30	01.7	01.3	339	30	02.1	01.1	299
.15 A.G.L.	26	02.8	01.6	317	30	03.4	01.1	202	30	03.7	03.1	093	30	06.4	05.1	149	30	04.1	03.2	336	30	02.9	01.9	290
.3A.M.S.L.					30	03.8	01.7	208	30	03.9	03.2	095	30	06.8	05.4	147	30	04.1	03.0	332	30	02.7	01.9	300
.6 ,,					30	04.5	02.8	191	30	04.0	03.7	103	30	06.5	05.3	147	30	03.7	02.3	322	30	02.4	01.8	306
.9 ,,					30	04.1	03.0	167	30	03.9	03.6	106	30	05.3	03.8	140	30	03.2	01.9	318	28	02.7	01.8	325
1.5 ,,					30	03.9	02.7	109	30	03.9	03.1	101	30	04.2	02.6	082	30	04.2	02.9	046	20	03.9	02.5	056
2.1 ,,	26	03.7	00.6	307	29	06.1	05.6	086	30	05.2	04.2	073	30	06.3	05.0	068	30	06.9	06.4	064	12	07.3	06.8	079
3.0 ,,	26	03.8	02.5	160	27	09.0	08.6	061	30	08.1	07.7	058	29	08.2	08.0	065	30	09.1	08.6	065	05	08.4	08.0	067
3.6 ,,	26	05.3	03.6	178	27	09.6	09.0	055	29	08.6	08.1	055	27	07.7	07.4	060	30	08.6	07.7	066	03	09.3	08.5	046
4.5 ,,	26	06.0	03.8	152	25	07.5	06.9	068	26	07.8	06.3	073	20	06.0	04.7	043	30	06.3	04.4	066	02	07.0	06.9	083
5.4 ,,	26	07.9	05.3	239	21	06.3	04.4	083	25	07.2	04.1	075	10	06.6	02.8	053	30	07.3	05.3	074				
6.0 ,,	26	10.3	07.7	249	21	06.7	04.2	087	22	07.0	02.7	080	04	07.5	01.3	067	30	07.3	05.5	073				
7.2 ,,	26	14.5	10.3	263	13	07.4	02.9	084	19	07.6	02.5	061					30	07.7	05.3	069				
9.0 ,,	26	21.1	16.7	270	01	07.0	07.0	250	11	07.7	02.4	260					30	05.8	01.5	085				

STATION	TRIVANDRUM								UDAIPUR												VENGURLA			
TIME IN I.S.T.	1730*				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	03.6	02.6	265	30	02.3	01.3	004	30	01.0	00.7	288	30	01.4	01.1	282	30	00.4	00.3	294	30	00.7	00.6	018
.15 A.G.L.	30	05.5	04.3	271	30	03.7	01.6	323	30	03.3	02.5	303	30	04.6	01.6	274	30	04.9	03.5	298	30	03.7	02.0	010
.3A.M.S.L.	30	05.2	04.1	269	30	03.7	01.7	314													30	04.3	02.4	355
.6 ,,	30	04.6	03.0	261	30	04.4	02.3	305													30	04.9	03.3	342
.9 ,,	30	03.5	00.7	317	30	04.3	02.3	312	30	05.1	03.5	308	30	04.5	03.2	279	30	06.1	04.6	293	29	06.1	04.9	344
1.5 ,,	30	05.0	04.4	047	30	04.3	02.2	031	30	07.2	05.5	294	30	05.1	03.9	276	30	06.8	05.3	297	29	05.8	03.8	346
2.1 ,,	30	08.1	08.0	054	25	07.0	06.2	062	30	07.8	06.2	278	30	05.9	04.9	271	30	06.5	05.2	273	26	04.8	01.2	034
3.0 ,,	30	09.8	09.1	058	25	09.4	08.0	071	30	08.9	07.1	265	29	07.3	06.6	268	28	08.5	07.0	263	23	05.0	02.7	124
3.6 ,,	30	08.8	07.7	064	16	08.9	08.1	071	30	10.1	08.4	262	29	10.2	09.5	261	25	08.3	07.1	267	14	05.1	03.3	108
4.5 ,,	30	06.8	05.0	082	11	05.5	02.3	077	30	11.9	10.8	263	27	12.0	11.0	267	08	08.9	08.3	253				
5.4 ,,	30	07.0	04.7	081	04	05.7	01.6	352	28	14.0	12.9	267	26	14.7	13.3	270	02	21.0	21.0	258				
6.0 ,,	30	07.8	05.1	080	01	09.0	09.0	050	27	17.1	15.6	281	25	16.2	14.9	273								
7.2 ,,	30	07.7	04.4	076					20	18.2	17.1	278	17	20.0	18.0	279								
9.0 ,,	30	06.8	01.7	058					10	20.4	18.7	279	07	20.0	19.4	283								

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

STATION	VENGURLA								VERAVAL												VIJAYWADA/GANNAVARAM			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	03.1	02.7	271	30	00.9	00.6	346	30	02.9	02.6	347	30	08.5	07.6	293	30	03.5	03.1	316	30	01.2	00.8	139
.15 A.G.L.	30	05.1	04.5	266	30	03.7	02.7	338	30	09.3	08.1	341	30	09.6	09.1	288	30	09.1	08.5	320	27	05.3	04.1	179
.3A.M.S.L	30	05.4	04.7	281	30	04.8	03.7	342	30	09.5	08.1	337	30	09.1	08.3	295	30	09.9	09.0	325	27	06.3	05.4	188
.6 ,,	30	05.1	03.6	285	30	05.6	04.6	343	30	08.9	07.4	330	30	07.6	06.4	315	30	09.2	08.2	328	27	07.4	06.7	191
.9 ,,	30	04.5	02.9	295	30	05.9	04.7	335	30	08.1	06.5	327	30	06.2	05.3	322	30	07.7	06.1	329	27	07.3	05.7	189
1.5 ,,	29	04.0	02.1	341	30	04.6	03.7	332	29	06.3	04.3	310	30	05.9	03.6	341	29	05.7	03.0	330	25	06.0	03.2	179
2.1 ,,	27	04.2	02.1	008	26	04.0	01.4	027	29	05.9	03.6	264	30	06.3	03.4	318	29	05.7	01.0	309	25	05.0	00.9	124
3.0 ,,	26	05.0	02.1	073	24	05.8	04.4	103	28	08.5	06.0	245	30	07.2	04.5	257	27	08.0	04.5	250	24	04.8	03.4	014
3.6 ,,	26	05.3	03.3	093	23	06.3	05.0	099	02	03.0	02.1	273	30	08.3	05.5	248	17	08.5	05.3	228	23	05.7	05.0	360
4.5 ,,	26	05.5	03.3	090	01	07.0	07.0	075					30	09.3	07.1	248	06	06.8	03.3	297	23	05.3	04.0	357
5.4 ,,	25	05.6	02.4	055									30	10.7	08.6	265					21	05.4	03.8	001
6.0 ,,	25	06.0	02.0	015									29	12.6	10.9	268					20	06.2	04.9	349
7.2 ,,	21	08.2	04.9	320									28	15.3	13.9	267					20	07.7	05.6	319
9.0 ,,	16	10.9	08.8	291									16	19.3	19.1	268					18	10.0	07.5	281

STATION	VIJAYWADA/GANNAVARAM								VISHAKHAPATNAM															
TIME IN I.S.T.	1730				2330				0530 *				1130				1730*				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	03.6	03.0	163	30	01.5	01.0	163	30	03.6	03.0	282	30	03.3	03.0	197	30	03.5	02.6	251	30	02.5	02.3	249
.15 A.G.L.	30	05.1	04.5	168	30	06.7	06.0	173	30	05.4	04.4	278	30	06.2	05.9	207	30	04.8	03.3	253	30	06.5	06.4	242
.3A.M.S.L.	30	05.3	04.6	167	30	07.5	06.9	176	30	05.5	04.7	272	30	05.8	05.4	219	30	05.5	04.3	243	30	06.9	06.8	239
.6 ,,	30	05.0	04.1	170	30	06.6	06.1	178	30	05.6	04.9	258	30	05.4	04.9	238	30	06.3	05.7	232	30	07.6	07.1	238
.9 ,,	30	04.3	02.8	177	30	04.9	03.6	179	30	05.4	04.3	243	30	05.3	04.6	246	30	06.0	05.1	236	28	05.6	05.1	243
1.5 ,,	30	04.3	00.3	180	30	04.0	01.2	142	30	03.8	02.2	272	29	04.5	02.9	269	30	04.4	01.5	307	27	03.3	01.0	233
2.1 ,,	30	05.0	01.2	040	30	04.3	01.5	025	30	04.5	01.8	338	29	04.9	01.9	325	30	04.1	02.5	355	27	03.1	01.8	001
3.0 ,,	30	05.1	03.4	041	29	04.8	03.6	022	30	07.0	05.3	002	29	05.9	03.4	359	30	06.2	04.7	180	26	05.1	04.5	355
3.6 ,,	29	05.8	04.9	035	25	05.4	04.0	010	30	07.5	06.1	357	28	05.8	04.4	352	30	07.7	06.1	357	23	05.8	05.0	339
4.5 ,,	29	06.4	04.9	028	25	05.5	03.9	349	30	07.2	05.5	343	27	06.3	04.7	355	30	08.3	06.8	342	20	07.0	04.9	338
5.4 ,,	28	06.2	04.0	351	17	05.7	03.0	001	28	08.6	06.3	338	26	06.8	04.5	352	30	08.4	07.0	316	10	08.1	04.4	295
6.0 ,,	27	06.6	04.6	330	17	05.8	03.5	336	27	08.5	06.3	304	25	06.9	04.6	333	30	09.0	07.3	304	07	10.3	08.8	275
7.2 ,,	21	07.8	05.8	297	07	06.0	05.1	278	26	10.4	08.5	290	17	08.8	07.0	301	30	11.6	09.7	292	01	07.0	07.0	235
9.0 ,,	11	10.5	09.0	279					26	15.9	14.5	276	11	11.4	10.7	291	29	15.6	14.3	285				

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

STATION	AGARTALA				AHMADABAD												AMINI				ANANTAPUR			
TIME IN I.S.T.	0530				0530*				1130				1730*				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	04	23.5	22.9	267	22	25.1	23.4	269	05	34.4	33.8	268	23	25.1	23.3	269	01	04.0	04.0	045	07	10.3	07.9	264
12.0	04	29.0	27.7	268	19	25.4	24.7	264	01	21.0	21.0	270	18	28.2	26.5	269					02	16.0	15.5	264
14.1	03	22.7	21.0	290	09	32.2	31.2	275					08	31.7	31.4	277								
16.2	01	20.0	20.0	300	07	21.3	19.6	273					02	13.5	13.1	280								
18.0					02	15.0	11.7	235																
21.0					01	16.0	16.0	270																
24.0					01	12.0	12.0	279																
27.0					01	06.0	06.0	209																
30.0																								
33.0																								

STATION	ASANSOL				AURANGABAD/CHIKALTHAN								BANGALORE											
TIME IN I.S.T.	0530				0530				1730				0530				1130				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	02	19.0	19.0	317	01	10.0	10.0	275	01	15.0	15.0	301	20	10.0	07.0	268	12	05.5	01.7	205	13	08.3	05.7	286
12.0	01	10.5	10.5	275	01	17.0	17.0	270	01	27.0	27.0	280	19	11.8	09.2	257	10	07.4	02.2	211	08	09.9	06.9	268
14.1									01	33.0	33.0	250	13	08.6	05.9	255	06	08.5	03.6	244	03	07.3	01.4	254
16.2													06	05.0	03.8	130	04	10.0	03.7	220				
18.0													04	04.5	01.4	194	04	09.3	05.9	299				
21.0													03	02.7	01.3	176	03	14.7	02.1	003				
24.0													02	10.0	10.0	093	02	08.0	07.2	050				
27.0													01	19.0	19.0	053	02	16.0	11.9	028				
30.0																	02	28.0	15.7	010				
33.0																								

STATION	BHAMPRI								BHOPAL/BAIRAGARH								BHUJ/RUDRAMATA				BOMBAY/SANTACRUZ			
TIME IN I.S.T.	0530				1130				0530				1730				0530				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	03	15.0	15.0	310	02	26.0	25.5	294	15	23.7	22.4	284	03	21.3	21.3	279	01	41.0	41.0	280	30	18.4	17.1	273
12.0	01	15.0	15.0	295					08	21.9	21.1	268	02	23.5	20.4	269					30	21.7	20.5	268
14.1									06	28.0	27.4	277									26	17.2	15.8	259
16.2									04	25.3	25.3	275									20	10.3	07.9	272
18.0									03	24.3	24.3	262									11	07.9	05.1	285
21.0									02	12.5	11.7	261									04	03.3	01.1	348
24.0									01	07.0	07.0	115									01	06.0	06.0	060
27.0																								
30.0																								
33.0																								

STATION	BOMBAY/SANTACRUZ								CALCUTTA/DUM DUM								DEHRADUN							
TIME IN I.S.T.	1130				1730*				0530*				1730*				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	13	20.3	19.6	271	30	21.1	19.6	273	28	26.2	24.1	275	26	28.2	25.5	283	01	15.0	15.0	358	01	33.0	33.0	292
12.0	08	21.5	20.1	266	19	22.0	20.5	269	27	31.6	28.1	278	24	28.3	24.9	275	01	16.0	16.0	346				
14.1	04	31.5	21.2	264	22	17.4	15.8	270	20	21.9	20.5	271	19	23.4	20.1	269								
16.2	01	17.0	17.0	255	17	09.6	05.5	259	17	16.0	14.2	264	17	15.2	13.4	274								
18.0					08	05.0	01.3	344	04	12.0	09.6	250	07	06.3	02.9	266								
21.0					03	06.7	01.3	017	01	04.0	04.0	076	03	10.3	05.7	072								
24.0																								
27.0																								
30.0																								
33.0																								

STATION	DIBRUGARH/MOHANBARI												GABAG								GAUHATI			
TIME IN I.S.T.	0530				1130				.1730				0530				1730				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	02	34.5	29.0	292	03	18.7	17.9	288	01	26.0	26.0	230	30	10.5	09.4	274	07	08.4	08.1	278	24	27.0	24.1	276
12.0	01	35.0	35.0	304	02	20.0	18.7	308	01	35.0	35.0	250	12	15.1	13.7	253	03	13.0	12.7	273	18	28.1	26.6	267
14.1													10	12.6	10.7	249	02	17.5	17.4	214	13	26.5	25.3	281
16.2													08	09.4	06.4	264	01	03.0	03.0	210	08	17.7	17.5	280
18.0													05	06.4	00.3	293	01	06.0	06.0	310	03	15.3	11.8	300
21.0													03	11.0	07.7	237	01	03.0	03.0	295	02	11.5	11.5	296
24.0																								
27.0																								
30.0																								
33.0																								

STATION	GAUHATI				GORAKHPUR				GWALIOR												IMPHAL/TULIHAL			
TIME IN I.S.T.	1730*				0530				0530				1130				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	23	22.6	19.6	280	01	21.0	21.0	305	04	27.5	27.3	279	06	25.8	23.7	269	02	28.0	26.7	279	01	17.0	17.0	339
12.0	22	28.5	26.1	275					01	27.0	27.0	280	04	25.0	23.8	278	02	34.0	33.1	292	01	23.0	23.0	290
14.1	17	28.4	26.7	279													01	39.0	29.0	310				
16.2	04	29.3	28.1	271																				
18.0	02	14.5	14.0	295																				
21.0	01	17.0	17.0	102																				
24.0																								
27.0																								
30.0																								
33.0																								

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

STATION	JAGDALPUR								JAMSHEDPUR				JHARSUGUDA								JODHPUR			
TIME IN I.S.T.	0530				1730				0530				0530				1730				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	15	20.6	19.6	284	11	23.6	21.5	287	01	13.0	13.0	230	03	22.0	20.9	289	04	24.7	21.2	289	27	33.0	30.7	273
12.0	10	20.1	17.1	266	08	25.8	23.9	281	01	22.0	22.0	245	02	21.0	19.6	265	03	24.0	17.1	283	22	34.8	33.1	271
14.1	07	16.7	13.6	260	05	30.6	29.2	260	01	18.0	18.0	295					02	26.5	26.5	242	18	34.1	33.3	272
16.2	05	11.0	08.8	240	02	15.5	15.5	287													11	18.1	16.6	264
18.0	02	13.5	07.5	250																	04	08.7	05.7	213
21.0	01	23.0	23.0	250																	01	12.0	12.0	225
24.0	01	37.0	37.0	230																				
27.0																								
30.0																								
33.0																								

STATION	JODHPUR				LUCKNOW/AMAUSI												MADRAS/MINAMBAKKAM							
TIME IN I.S.T.	1730*				0530				1130				1730				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	25	33.2	31.2	274	23	38.7	27.3	276	05	24.2	20.9	280	25	35.7	32.0	279	30	09.2	06.7	270	05	05.4	02.3	117
12.0	20	38.5	36.7	273	18	29.6	27.5	280	01	19.0	19.0	285	19	34.6	31.9	275	30	12.0	09.2	264	01	08.0	08.0	080
14.1	13	29.1	27.6	273	11	31.5	29.7	272					10	32.4	31.5	271	22	10.4	04.7	245	01	06.0	06.0	135
16.2	09	17.1	13.0	258	04	13.0	12.1	260					02	28.5	28.4	295	16	08.0	03.7	100				
18.0	05	13.2	07.3	238									01	25.0	25.0	234	05	04.4	01.5	324				
21.0	02	04.0	02.7	233									01	29.0	29.0	260								
24.0																								
27.0																								
30.0																								
33.0																								

STATION	MADRAS/MINAMBAKKAM				MANGALORE/BAJPE								MINICOY											
TIME IN I.S.T.	1730*				0530				1730				0530				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	30	09.8	07.0	270	03	09.0	09.0	241	09	12.0	09.3	255	09	08.0	04.3	294	02	05.5	04.9	105	30	07.5	00.7	135
12.0	30	12.7	09.9	260	02	15.0	13.5	240	07	13.0	11.1	241	08	11.4	06.4	242	01	08.0	08.0	130	30	09.7	03.6	192
14.1	27	11.0	05.3	250	02	20.5	19.5	244	04	13.3	12.7	246	06	07.3	05.3	249	01	12.0	12.0	210	25	10.3	03.9	192
16.2	23	06.0	01.2	059	01	21.0	21.0	240	03	05.7	04.0	231	03	08.7	03.5	002	01	06.0	06.0	180	22	08.3	04.0	112
18.0	12	06.1	00.8	030	01	07.0	07.0	325	03	03.7	00.7	357	01	02.0	02.0	320					16	06.2	00.4	265
21.0	02	06.5	05.9	303	01	05.0	05.0	190	03	07.7	05.0	261									13	08.7	06.3	267
24.0																					05	08.0	00.3	235
27.0																								
30.0																								
33.0																								

STATION	NAGPUR/SONEGAON												NEW DELHI/SAFDARJUNG											
TIME IN I.S.T.	0530*				1130				1730*				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	29	23.8	22.1	273	02	14.5	13.7	269	29	25.7	24.3	274	30	36.5	33.5	271	04	32.5	32.0	279	30	37.9	34.0	272
12.0	26	26.8	25.8	270					24	25.8	24.5	273	29	41.5	38.4	272	02	29.5	29.5	283	29	40.6	37.3	234
14.1	17	24.2	23.1	262					18	23.2	21.6	273	28	31.1	28.7	270					28	33.0	31.3	267
16.2	09	14.7	13.8	264					03	04.3	05.0	271	26	17.3	15.4	261					24	18.3	15.7	272
18.0	04	07.7	06.3	329					01	13.0	13.0	106	21	07.0	05.7	274					14	06.9	03.8	269
21.0	01	17.0	17.0	090									14	05.3	02.6	298					07	05.7	00.6	281
24.0													05	04.2	03.4	314					02	09.0	08.5	237
27.0													03	06.7	00.3	253								
30.0																								
33.0																								

STATION	POONA				PORT BLAIR												RAIPUR							
TIME IN I.S.T.	1730				0530*				1130				1730*				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	05	17.0	16.0	270	26	10.2	05.1	257	03	07.3	06.6	264	25	09.0	04.1	271	11	19.3	17.9	278	16	28.0	27.3	287
12.0					26	10.9	05.0	245	03	07.7	05.0	239	25	11.3	05.5	279	04	23.3	21.0	276	06	26.0	25.3	281
14.1					21	13.0	04.8	220	02	03.0	02.7	194	17	12.2	03.0	247								
16.2					19	10.8	02.8	097	01	09.0	09.0	265	11	14.1	03.4	114								
18.0					11	05.9	02.3	103	01	03.0	03.0	067	07	07.4	03.3	359								
21.0					06	09.2	01.1	007	01	03.0	03.0	197	05	09.0	06.4	301								
24.0					01	12.0	12.0	218	01	06.0	06.0	260												
27.0									01	04.0	04.0	024												
30.0																								
33.0																								

STATION	RAXAUL				SRINAGAR								TRIVANDRUM								UDAIPUR			
TIME IN I.S.T.	0530				0530*				1730*				0530				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	01	24.0	24.0	295	24	30.3	26.1	270	25	29.0	24.5	268	30	06.8	01.7	149	30	07.0	00.7	267	04	16.0	15.4	319
12.0	01	21.0	21.0	305	24	32.0	29.0	275	24	35.0	30.6	271	30	08.8	03.4	189	28	09.4	02.4	211	03	23.3	23.2	298
14.1	01	20.0	20.0	295	16	27.8	26.6	280	17	26.0	24.1	278	27	11.0	03.7	180	21	10.2	01.7	185	01	20.0	20.0	270
16.2	01	11.0	11.0	300	07	15.4	14.3	285	09	14.7	12.9	278	12	09.4	05.6	068	13	06.4	01.4	075	01	11.0	11.0	290
18.0	01	06.0	06.0	029	01	11.0	11.0	326					02	06.0	03.1	070	03	07.0	06.3	277				
21.0																	01	07.0	07.0	249				
24.0																								
27.0																								
30.0																								
33.0																								

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

STATION	UDAIPUR				VENGURLA				VERAVAL				VIJAYWADA/GANNAVARAM								VISHAKHAPATNAM			
TIME IN I.S.T.	1730				1730				1730				0530				1730				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	03	18.3	17.8	299	10	14.8	12.0	267	02	15.0	11.5	260	14	11.8	09.9	277	02	11.5	17.4	282	25	17.1	15.2	272
12.0					01	42.0	42.0	241	01	07.0	07.0	311	11	13.7	12.8	274					24	18.9	17.5	277
14.1													06	12.3	11.0	267					16	17.4	15.0	260
16.2													02	21.0	06.1	258					07	17.7	15.6	270
18.0																					02	14.5	14.2	225
21.0																								
24.0																								
27.0																								
30.0																								
33.0																								

STATION	VISHAKHAPATNAM																							
TIME IN I.S.T.	1130				1730*																			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	04	10.7	09.5	283	29	19.2	17.7	282																
12.0	04	13.3	10.1	306	29	21.1	19.0	280																
14.1	02	03.5	03.0	023	23	18.8	15.9	263																
16.2	01	02.0	02.0	350	15	15.3	11.6	260																
18.0	01	06.0	06.0	090	02	08.0	08.0	238																
21.0	01	07.0	07.0	220	01	07.0	07.0	200																
24.0																								
27.0																								
30.0																								
33.0																								

RADIOSONDE DATA

During the month, observations of upper air temperature, pressure and and humidity were made at 16 stations in India as given in the list below. For detailed description of the instruments used, a reference may be made to the I.M.D. Scientific Notes Nos. 112 and 113 (Volume IX).

List of Radiosonde stations in India

S.No.	Name of Station	Type of instrument used	Date of starting	Hours of routine observations in GMT during the month	Remarks
1.	Ahmadabad	Fan type	20th Jul. 1961	00 and 12	
2.	Bangalore	Fan type	10th Mar. 1961	00 and 12	
3.	Bombay/Santacruz	Clock type	7th Sep. 1954	00 and 12	
4.	Calcutta/Dum Dum	Clock type	13th Dec. 1946	00 and 12	Fan type used from 13.12.1946 to 30.11.1947.
5.	Cochin/ Ernakulam	Fan type	1st Aug. 1966	00 and 12	
6.	Gauhati	Clock type	22nd Jul. 1955	00 and 12	
7.	Jodhpur	Clock type	17th Apr. 1946	00 and 12	
8.	Lucknow	Clock type	15th Aug. 1966	00 and 12	
9.	Madras/Minambakkam	Fan type	29th Jun. 1946	00 and 12	
10.	Minicoy	Fan type	12th May. 1963	00 and 12	
11.	Nagpur/Sonegaon	Fan type	1st Oct. 1946	00 and 12	
12.	New Delhi/Safdarjung	Clock type	3rd Dec. 1943	00 and 12	
13.	Port Blair	Fan type	4th Dec. 1949	00 and 12	
14.	Srinagar	Clock type	1st Aug. 1962	00 and 12	
15.	Trivandrum	Fan type	1st Jul. 1947	00 and 12	
16.	Visakhapatnam	Fan type	8th Dec. 1946	00 and 12	

RADIO SONDE DATA

TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE

(A) FROM ASCENTS AT 00 HRS G.M.T.

APRIL 1967. (CHAITRA 11 - VAISAKHA 10, 1889 SAKA)

STANDARD PRESSURE SURFACE MB	AHMADABAD SURFACE PR (1002 MB)						BANGALORE (910 MB)						BOMBAY/SANTACRUZ (1007 MB)					
	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00055	297.3	301	291	284.7	30	00921	294.8	297	293	290.4	30	00013	297.8	300	295	294.2
1000	30	00072	297.3	301	291	284.0	30	00097					30	00073	297.9	300	295	293.6
900	30	01003	298.8	304	292	276.4	30	01017	294.7	297	293	290.1	30	00972	298.4	303	294	281.6
850	30	01503	296.0	301	289	271.8	30	01512	293.7	297	291	286.6	30	01502	296.3	302	293	278.2
800	30	02028	292.2	297	285	269.6	30	02034	290.8	295	287	282.3	30	02028	292.6	298	288	277.4
700	30	03156	283.5	287	278	262.6	30	03159	283.0	289	279	276.2	30	03161	284.5	289	279	273.5
600	29	04419	274.4	279	271	255.8	30	04421	275.2	279	273	268.0	30	04427	274.6	281	267	267.2
500	29	05860	264.4	269	261		30	05875	268.1	272	266		30	05874	266.5	272	261	
400	29	07554	253.0	258	247		30	07592	256.2	259	253		30	07583	255.2	261	250	
300	29	09627	238.4	244	232		30	09690	240.9	244	236		30	09678	240.6	250	234	
250	29	10875	229.0	234	223		30	10955	231.5	236	226		30	10945	231.3	241	224	
200	28	12352	220.3	225	212		27	12436	220.2	224	215		29	12409	221.0	227	216	
175	26	13203	216.1	221	207		26	13263	214.7	219	210		28	13257	215.4	221	211	
150	23	14169	211.3	217	201		26	14242	208.0	213	203		27	14219	209.9	217	204	
125	20	15297	206.5	211	195		21	15325	202.6	207	199		27	15324	204.2	211	197	
100	15	16590	201.5	207	197		20	16646	197.5	206	192		24	16647	199.7	205	194	
80	08	17933	202.4	206	197		19	18005	200.5	209	197		19	17951	201.4	209	195	
70	06	18688	205.7	211	199		15	18779	204.3	212	199		15	18752	205.2	213	198	
60							13	19692	208.7	218	199		11	19701	209.0	217	202	
50							10	20818	212.7	221	201		09	20806	211.4	220	205	
40							08	22221	213.4	225	202							
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	CALCUTTA/DUM DUM SURFACE PR (1006 MB)						ERNAKULAM (1008 MB)						GAUHATI (1003 MB)					
	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00006	296.7	301	293	294.9	30	00003	300.1	302	298	296.9	30	00049	291.7	296	285	289.8
1000	30	00059	297.0	301	294	293.9	30	00075	299.8	301	298	296.7	30	00074	292.2	296	288	289.7
900	30	00984	296.6	302	293	284.1	30	01002	294.4	297	293	291.9	30	00982	292.9	296	289	281.6
850	30	01480	293.9	299	290	280.7	30	01497	292.4	295	289	287.8	30	01472	290.2	293	288	278.8
800	30	02001	290.3	295	285	278.1	30	02017	289.2	292	285	282.9	30	01987	286.8	289	284	276.5
700	30	03125	281.5	286	276	271.5	30	03141	282.3	289	278	272.6	30	03098	279.6	283	276	268.1
600	30	04380	272.8	278	268	264.0	30	04404	274.9	279	270	262.8	30	04348	272.9	279	267	265.4
500	30	05813	264.4	271	257		30	05858	267.3	271	263		30	05789	264.9	271	257	
400	30	07515	254.0	259	247		30	07573	256.6	261	253		30	07419	253.7	261	247	
300	30	09599	239.5	245	230		30	09676	241.3	245	237		30	09568	239.9	250	233	
250	30	10857	231.2	235	222		30	10943	232.0	237	227		29	10821	231.1	239	225	
200	30	12343	222.4	227	215		30	12425	220.1	228	213		28	12309	223.6	232	217	
175	30	13207	217.4	225	210		29	13259	214.1	219	207		25	13195	219.6	227	210	
150	30	14175	212.3	223	204		29	14231	207.7	212	201		24	14165	214.9	223	205	
125	30	15303	206.2	215	197		26	15304	202.3	207	195		23	15317	210.6	219	201	
100	29	16623	202.0	213	195		24	16628	198.1	203	192		22	16667	206.0	213	197	
80	23	17974	200.4	207	193		20	17921	202.1	209	195		21	18014	205.4	215	195	
70	22	18777	204.0	211	197		18	18717	205.6	213	197		21	18818	207.4	217	202	
60	18	19766	208.2	212	202		14	19621	208.6	217	203		17	19706	211.6	220	203	
50	17	20834	213.9	219	205		14	20750	214.2	223	208		16	20885	215.7	224	206	
40	11	22225	217.9	222	212		13	22176	217.8	229	211		08	22361	222.1	229	215	
30	08	24057	222.4	227	216		07	24043	222.4	226	213		05	24204	224.2	229	220	
20																		
10																		

STANDARD PRESSURE SURFACE MB	JODHPUR SURFACE PR (980 MB)						LUCKNOW/AMAUSI (992 MB)						MADRAS/MINAMBAKKAM (1007 MB)					
	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00217	298.3	304	291	280.8	30	00127	295.9	300	289	282.7	30	00029	299.2	302	297	297.6
1000	30	00039					30	00542					30	00739	298.9	301	297	296.5
900	30	00962	298.4	303	290	273.4	30	00977	297.7	304	291	272.2	30	00996	296.7	301	293	285.8
850	30	01463	295.1	300	286	268.2	30	01473	294.9	302	289	270.4	30	01493	295.1	299	292	279.6
800	30	01985	290.8	295	282	267.5	30	01995	291.5	298	286	267.4	30	02015	291.2	296	289	277.2
700	30	03106	281.9	287	276	261.0	30	03121	282.6	289	278	262.6	30	03143	283.3	286	281	271.8
600	30	04359	272.5	276	266	249.5	30	04378	273.2	281	268	254.9	30	04406	275.4	279	271	263.6
500	30	05792	262.9	266	259		30	05812	263.2	269	258		30	05860	268.1	271	265	
400	30	07471	250.9	258	246		30	07498	251.6	259	246		30	07579	256.9	261	253	
300	30	09525	236.4	242	233		30	09559	236.8	245	230		30	09687	241.6	247	238	
250	30	10748	228.0	234	224		30	10800	228.6	238	221		30	10956	232.8	238	228	
200	30	12228	219.8	229	214		30	12266	220.6	230	215		29	12443	220.3	229	215	
175	30	13080	216.2	226	209		29	13133	217.1	226	211		25	13296	215.0	223	209	
150	28	14057	211.4	217	204		29	14096	211.2	223	208		23	14260	208.8	217	201	
125	25	15172	207.1	213	201		28	15232	208.2	219	202		20	15342	203.3	211	195	
100	23	16518	203.8	213	197		25	16581	208.8	214	198		16	16674	198.6	204	191	
80	17	17891	208.4	215	201		15	17923	207.2	215	196		09	18021	202.0	212	195	
70	11	18695	209.7	218	204		13	18749	209.5	221	197		06	18853	203.5	212	197	
60	07	19677	212.1	217	209		09	19751	216.1	223	206							
50	06	20803	216.8	222	215													
40																		
30																		
20																		
10																		

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(A) FROM ASCENTS AT 00 HRS G.M.T.
APRIL 1967 (CHAITRA 11 - VAISAKHA 10, 1889 SAKA)

STANDARD PRESSURE SURFACE MB	MINICOY SURFACE PR (0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NAGPUR/SONEGAON (972 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NEW DELHI/SAFDARJUNG (983 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE							30	00311	297.1	303	291	285.2	30	00209	295.2	303	287	284.6
1000							30	00065					30	00062				
900							30	00994	299.7	305	297	282.7	30	00983	297.2	303	290	277.7
850							30	01496	296.5	301	291	281.6	30	01480	293.7	300	286	275.4
800							30	02021	292.2	296	287	279.2	30	01999	289.9	296	282	272.8
700							30	03149	282.9	287	279	274.1	30	03119	281.1	287	274	265.6
600							30	04406	273.0	277	269	266.5	30	04367	271.2	277	262	261.1
500							30	05845	264.7	269	261		30	05790	261.4	266	250	
400							30	07542	254.1	258	250		30	07464	249.6	255	241	
300							30	09633	239.4	246	233		30	09509	235.6	241	229	
250							30	10881	230.5	236	224		30	10745	228.1	234	221	
200							28	12357	221.8	229	217		30	12211	220.9	228	215	
175							28	13207	217.6	224	212		30	13072	217.9	224	212	
150							27	14191	212.3	219	207		30	14049	214.6	221	206	
125							25	15302	208.3	214	203		29	15199	211.3	216	206	
100							24	16658	204.0	212	198		28	16559	208.1	215	201	
80							17	17936	206.5	213	201		28	17922	207.8	216	200	
70							10	18741	209.7	217	204		25	18737	209.4	221	202	
60							07	19684	213.9	219	208		25	19689	212.6	226	206	
50							06	20818	219.0	223	213		21	20818	216.7	230	211	
40													14	22223	220.7	233	215	
30													09	24242	226.1	237	220	
20													06	2[illegible]57	232.5	240	225	
10																		

STANDARD PRESSURE SURFACE MB	PORT BLAIR SURFACE PR (1001 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	SRINAGAR (842 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	TRIVENDRUM (1001 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00079	297.4	304	296	296.4	29	01588	280.5	287	273	279.1	30	00064	299.4	301	297	297.0
1000	30	00081	298.1	304	297	296.6	29	00149					30	00073	299.4	301	297	297.0
900	30	01001	294.4	298	291	289.7	29	01035					30	01001	294.9	297	293	290.8
850	30	01494	292.2	297	289	284.2	29	01508					30	01496	292.7	295	289	286.6
800	30	02013	289.6	295	285	281.1	29	02008	279.7	286	271	274.9	30	02016	289.6	294	286	281.7
700	30	03137	283.4	289	279	273.8	29	03093	273.9	281	267	271.0	30	03141	283.3	287	279	273.3
600	30	04403	276.4	283	273	266.1	28	04313	266.1	274	256		30	04409	276.8	280	273	264.3
500	30	05863	268.6	277	262		28	05711	256.5	265	247		30	05869	269.0	273	265	
400	29	07583	258.0	264	249		27	07354	244.6	255	235		30	07591	257.4	261	254	
300	28	09690	242.9	249	234		27	09361	230.0	238	220		30	09702	242.2	247	239	
250	26	10977	234.1	239	229		25	10568	222.8	228	216		30	10974	232.8	236	229	
200	26	12469	222.1	227	218		25	12008	218.3	227	209		30	12456	220.7	225	215	
175	22	13345	215.6	220	210		22	12874	217.7	225	210		29	13289	214.4	219	209	
150	22	14265	209.4	214	203		21	13853	215.2	225	205		29	14264	208.1	214	202	
125	20	15359	202.9	210	199		18	14988	216.9	225	208		23	15341	201.9	206	197	
100	18	16665	198.1	206	193		17	16432	214.8	224	207		17	16670	198.0	204	195	
80	14	17960	200.1	205	194		15	17880	214.9	221	209		10	17998	202.0	209	195	
70	13	18707	203.4	212	194		13	18751	215.2	222	211		09	18819	205.4	212	200	
60	09	19684	206.9	214	200		09	19711	218.6	227	215		07	19750	209.1	215	203	
50	05	20817	212.6	219	205		07	20868	220.1	230	215		06	20871	212.0	220	207	
40							05	22340	223.8	227	219							
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	VISAKHAPATNAM SURFACE PR (1003 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00041	299.8	303	297	296.6												
1000	30	00072	299.5	302	297	296.2												
900	29	01001	297.8	302	293	286.2												
850	29	01501	295.1	299	288	282.9												
800	29	02026	291.5	295	284	281.1												
700	29	03155	282.9	289	276	275.9												
600	29	04420	274.5	279	269	266.1												
500	29	05867	266.5	273	261													
400	28	07585	255.9	261	249													
300	28	09685	241.3	248	233													
250	27	10957	232.8	238	224													
200	26	12441	222.4	227	215													
175	22	13298	216.8	223	209													
150	22	14255	211.2	218	205													
125	20	15347	205.8	213	200													
100	20	16692	200.7	207	195													
80	20	18026	202.2	207	195													
70	20	18833	205.3	212	195													
60	15	19788	207.6	217	199													
50	15	20882	211.5	223	203													
40																		
30																		
20																		
10																		

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT,TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(B) FROM ASCENTS AT 12 HRS G.M.T.
APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

STANDARD PRESSURE SURFACE MB	AHMADABAD SURFACE PR (1000 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BANGALORE (908 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BOMBAY/SANTACRUZ (1005 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00055	311.2	315	305	282.3	30	00921	305.3	308	296	286.5	30	00013	304.2	308	302	295.7
1000	30	00057	308.7	315	305	279.6	30	00049					30	00061	303.3	308	301	293.5
900	30	01008	302.9	309	297	274.6	30	00999	304.6	308	296	286.9	30	00999	301.0	306	295	283.2
850	30	01513	298.5	305	292	271.3	30	01507	299.7	303	293	285.1	30	01504	298.0	303	292	280.6
800	30	02041	294.0	299	288	268.7	30	02036	294.3	299	290	284.4	30	02033	294.0	299	289	279.6
700	30	03174	284.8	291	281	262.4	30	03170	284.3	289	280	279.8	30	03169	285.1	289	281	276.4
600	30	04440	276.0	279	272	256.6	30	04436	275.6	279	269	270.0	30	04439	275.9	289	271	267.5
500	30	05892	266.1	269	262		29	05891	268.2	273	263		30	05895	267.6	273	262	
400	30	07600	254.3	258	250		29	07611	257.2	263	250		30	07611	256.5	262	250	
300	29	09680	239.2	246	233		29	09721	241.7	246	233		30	09717	241.6	246	237	
250	29	10949	231.8	238	223		27	10990	232.3	236	227		30	10986	233.0	238	228	
200	28	12429	221.3	228	217		27	12489	220.5	226	214		29	12471	221.6	228	217	
175	25	13281	217.0	222	210		24	13309	214.3	220	208		24	13326	215.9	221	212	
150	24	14253	211.6	218	204		21	14277	207.5	216	202		24	14291	208.9	216	204	
125	22	15374	207.0	214	202		16	15381	202.7	209	197		21	15392	204.7	210	197	
100	17	16718	203.7	211	195		14	16720	197.9	204	194		19	16725	200.8	207	194	
80	11	18059	204.8	211	196		10	18078	202.0	206	197		15	18066	202.7	214	196	
70	07	18884	207.3	213	201		10	18875	204.2	210	199		09	18835	204.3	210	197	
60							07	19801	206.6	214	202		05	19766	210.2	219	205	
50							06	20909	209.6	217	205							
40																		
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	CALCUTTA/DUM DUM SURFACE PR (1003 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	ERNAKULAM (1006 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	GAUHATI (997 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00006	305.9	311	295	293.1	30	00003	305.0	306	302	298.2	30	00049	300.7	305	295	290.6
1000	30	00036	305.7	311	295	292.1	30	00058	304.4	305	301	297.7	30	00046	300.2	304	296	290.6
900	30	00977	300.3	305	293	284.5	30	00991	296.5	300	293	290.9	30	00974	295.9	301	291	282.8
850	30	01479	296.4	301	290	281.1	30	01488	293.5	297	288	288.6	30	01465	292.5	297	290	280.0
800	30	02003	292.2	297	287	277.9	30	02010	290.0	293	286	286.2	30	01985	289.2	292	286	278.5
700	30	03134	283.5	288	279	270.8	30	03137	283.2	286	279	278.2	30	03103	281.3	284	276	271.4
600	30	04398	274.6	279	270	261.5	30	04405	276.2	279	271	268.6	30	04357	273.7	278	269	264.6
500	30	05844	265.9	270	262		30	05863	268.1	271	265		30	05797	265.3	273	258	
400	30	07547	254.4	258	249		30	07587	257.5	261	253		30	07499	253.8	262	247	
300	30	09638	240.6	247	236		30	09696	242.6	249	238		30	09584	240.0	249	232	
250	30	10900	231.7	239	227		30	10967	232.6	238	227		30	10848	231.9	239	222	
200	30	12386	222.2	229	217		30	12452	220.6	226	215		30	12339	223.5	229	215	
175	30	13249	217.1	223	210		28	13286	214.3	219	208		30	13215	219.5	228	211	
150	30	14214	211.6	217	202		26	14250	208.0	213	202		29	14185	215.4	225	205	
125	30	15350	205.9	215	195		22	15321	202.4	208	196		29	15317	210.1	219	202	
100	30	16660	200.9	211	192		20	16661	197.3	203	193		24	16709	205.7	214	192	
80	24	17989	201.3	209	190		15	17951	200.0	205	195		18	18083	206.4	212	195	
70	21	18807	204.5	214	198		12	18751	202.8	208	197		17	18898	207.3	214	194	
60	20	19736	208.5	218	199		11	19659	205.5	211	199		14	19849	209.9	218	202	
50	20	20863	213.7	222	204		11	20753	208.6	214	199		10	20982	212.1	222	205	
40	15	22271	217.7	223	214		06	22064	209.5	213	203							
30	06	24054	219.0	223	214		05	23796	213.0	218	207							
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STANDARD PRESSURE SURFACE MB	JODHPUR SURFACE PR (979 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	LUCKNOW/AMAUSI (990 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	MADRAS/MINAMBAKKAM (1005 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00217	307.4	313	300	280.1	30	00127	307.5	311	303	282.7	30	00029	305.2	307	302	297.7
1000	29	00028					29	00037					30	00059	304.2	307	301	297.1
900	29	00966	301.6	307	293	273.3	29	00977	300.7	308	292	273.5	30	00990	298.6	301	295	286.6
850	29	01472	297.2	303	289	269.6	29	01479	296.9	304	288	273.3	30	01490	295.6	299	293	282.3
800	29	01997	292.2	295	285	267.4	29	02004	292.4	299	286	270.1	30	02014	291.8	295	288	279.3
700	29	03123	282.7	289	277	257.2	29	03132	283.4	289	281	266.3	30	03143	284.1	287	279	274.4
600	29	04381	273.8	279	268	249.9	29	04393	274.3	279	271	255.6	30	04411	276.1	279	273	266.0
500	29	05819	263.8	268	260		29	05832	264.2	271	259		30	05867	267.8	272	263	
400	29	07511	252.6	257	246		29	07532	252.4	260	246		30	07586	257.1	260	251	
300	29	09582	238.1	245	234		29	09593	237.8	247	233		30	09694	241.8	246	236	
250	29	10835	230.8	237	225		29	10841	229.7	239	223		30	10965	232.9	238	227	
200	29	12319	222.9	229	216		28	12345	222.1	229	213		30	12450	221.2	226	212	
175	25	13186	219.2	223	209		28	13179	218.9	224	208		29	13291	214.3	220	206	
150	20	14169	215.1	220	206		27	14157	214.3	223	203		29	14257	208.3	213	200	
125	17	15304	210.0	216	203		26	15305	209.3	219	198		26	15341	202.6	210	193	
100	17	16679	206.2	216	202		22	16634	206.8	213	198		24	16666	197.7	205	190	
80	15	18018	206.0	217	200		20	17983	209.1	217	201		16	17977	200.0	210	195	
70	13	18838	209.2	215	202		16	18839	213.0	225	204		13	18790	203.2	216	197	
60	10	19767	213.0	218	207		13	19797	215.4	227	204		06	19720	206.2	212	200	
50	07	20912	216.7	221	212		11	20939	217.3	229	203							
40							08	22391	222.1	232	212							
30																		
20																		
10																		

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT,TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(B) FROM ASCENTS AT 12 HRS G.M.T.
APRIL 1967.(CHAITRA 11 - VAISAKHA 10,1889 SAKA)

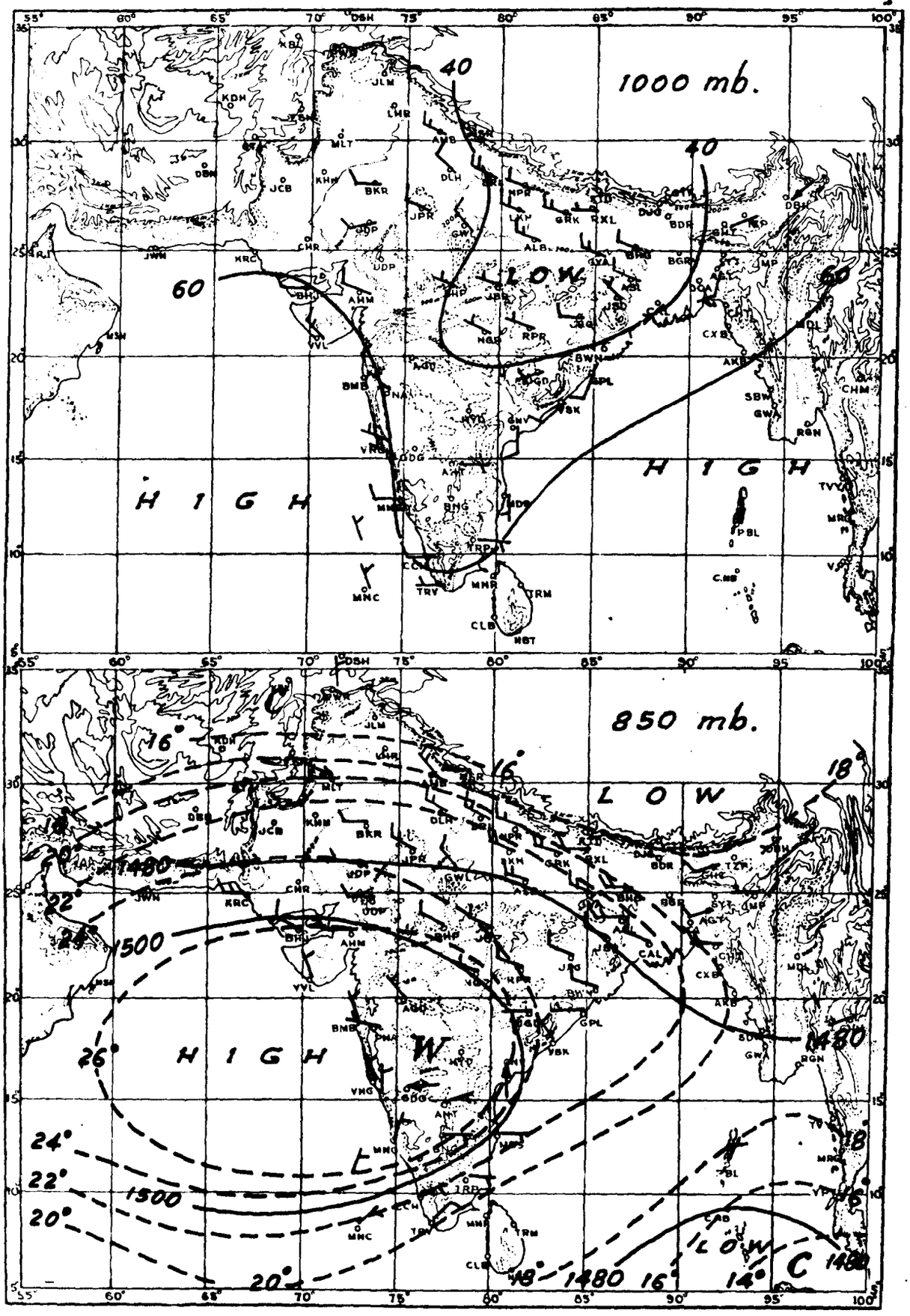
STANDARD PRESSURE SURFACE MB	MINICOY SURFACE PR (1008 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NAGPUR/SONEGADN (970 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NEW DELHI/SAFDARJUNG (982 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00002	303.8	305	300	297.8	30	00311	310.8	315	306	287.5	30	00209	305.7	311	297	284.2
1000	30	00070	302.6	304	300	296.8	30	00030					30	00045				
900	30	00999	294.8	297	291	290.0	30	00987	304.9	309	300	283.4	30	00983	299.9	305	293	278.6
850	30	01494	292.2	295	288	285.2	30	01496	300.2	307	295	281.4	30	01482	295.5	300	289	275.8
800	30	02013	289.4	294	285	281.3	30	02026	295.3	301	289	279.8	30	02004	290.9	295	284	273.9
700	30	03138	283.0	287	279	273.3	30	03166	285.0	291	277	274.6	30	03126	281.4	286	275	267.9
600	30	04404	275.8	279	273	263.9	30	04433	274.0	277	268	269.1	30	04377	271.8	277	267	260.8
500	30	05857	268.0	274	263		30	05877	265.4	271	258		30	05804	261.8	267	256	
400	30	07575	257.1	263	252		30	07585	254.6	263	248		30	07481	250.3	253	244	
300	30	09677	241.1	247	233		30	09664	239.8	244	231		30	09530	235.5	245	229	
250	29	10946	232.6	239	227		30	10920	230.6	237	223		29	10773	227.9	236	221	
200	29	12425	220.7	229	216		29	12390	220.2	228	214		29	12237	220.4	228	213	
175	25	13270	215.1	223	210		28	13270	215.0	221	209		29	13130	218.2	227	210	
150	23	14256	208.5	216	201		26	14212	210.3	216	204		28	14081	215.4	221	210	
125	23	15327	201.6	209	197		19	15318	205.4	213	197		27	15219	210.9	217	207	
100	17	16640	197.0	202	191		14	16630	200.2	205	197		26	16584	207.0	215	201	
80	17	17936	199.6	203	190		11	17984	200.5	206	195		22	17936	206.0	210	201	
70	12	18745	202.5	208	200		08	18786	204.0	207	199		21	18736	207.8	216	203	
60	10	19646	205.2	212	203								19	19687	210.2	216	205	
50	09	20737	208.2	215	206								17	20799	214.5	219	210	
40	05	22128	210.0	214	210								10	22243	219.2	224	213	
30													05	24204	226.8	231	223	
20																		
10																		

STANDARD PRESSURE SURFACE MB	PORT BLAIR SURFACE PR (999 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	SRINAGAR (840 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	TRIVENDRUM (1000 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00079	301.4	303	296	296.3	27	01588	290.6	298	283	280.2	30	00064	303.2	306	298	297.1
1000	30	00074	301.6	302	300	296.6	27	00075					30	00061	302.4	304	298	296.8
900	30	00992	294.0	296	290	291.8	27	00993					30	00996	296.2	300	293	290.6
850	30	01484	291.0	294	286	287.0	27	01483					30	01494	293.5	298	290	289.8
800	30	02000	288.5	292	283	283.5	27	01992	286.9	297	278	275.0	30	02016	290.2	294	287	285.8
700	30	03118	282.6	287	276	274.3	27	03108	278.8	291	270	267.0	30	03145	284.3	288	282	276.6
600	30	04380	278.8	282	270	268.0	27	04356	268.8	279	260	261.6	30	04417	277.3	280	273	265.5
500	30	05836	268.5	275	261		27	05767	258.9	269	250		30	05878	269.1	272	266	
400	28	07562	258.3	265	252		27	07426	247.5	257	238		30	07606	258.4	263	255	
300	27	09679	242.8	249	232		27	09451	232.7	243	223		30	09725	243.6	247	240	
250	25	10950	233.0	237	225		27	10671	225.1	235	214		30	11003	234.3	238	231	
200	24	12434	220.8	226	215		27	12126	220.8	234	214		28	12500	222.6	227	218	
175	20	13295	215.3	221	210		24	12997	220.1	231	213		26	13346	216.4	222	212	
150	20	14253	209.0	216	203		24	13987	220.0	230	211		26	14328	209.7	216	205	
125	17	15361	203.2	211	198		23	15152	218.2	230	210		21	15417	203.6	209	198	
100	15	16692	199.2	205	194		23	16564	215.7	225	209		18	16738	197.9	203	190	
80	11	17993	200.3	210	195		13	17976	214.2	223	210		09	18056	201.7	207	195	
70	07	18802	205.1	213	196		12	18751	214.5	223	208		09	18853	206.2	213	197	
60	06	19713	206.8	213	198		07	19927	217.0	221	212							
50	05	20764	208.6	214	200		05	21151	221.0	225	217							
40																		
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	VISAKHAPATNAM SURFACE PR (1002 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00041	303.3	305	302	298.4												
1000	30	00056	302.9	305	301	298.1												
900	30	00993	299.0	303	295	287.8												
850	30	01495	295.9	300	293	285.7												
800	30	02028	292.7	297	287	283.1												
700	30	03155	283.8	287	280	278.5												
600	30	04419	274.8	279	271	268.9												
500	30	05876	267.3	271	263													
400	30	07591	256.3	259	252													
300	29	09697	241.0	244	238													
250	29	10963	232.7	236	231													
200	29	12451	222.1	226	217													
175	28	13311	216.6	222	211													
150	28	14276	211.0	217	205													
125	28	15369	205.3	211	200													
100	24	16723	201.4	208	196													
80	18	18049	202.8	209	197													
70	12	18879	205.7	213	198													
60	10	19806	209.1	214	203													
50	07	20928	212.1	215	207													
40																		
30																		
20																		
10																		

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I. Met.D. **APRIL 1967** *Plate I*

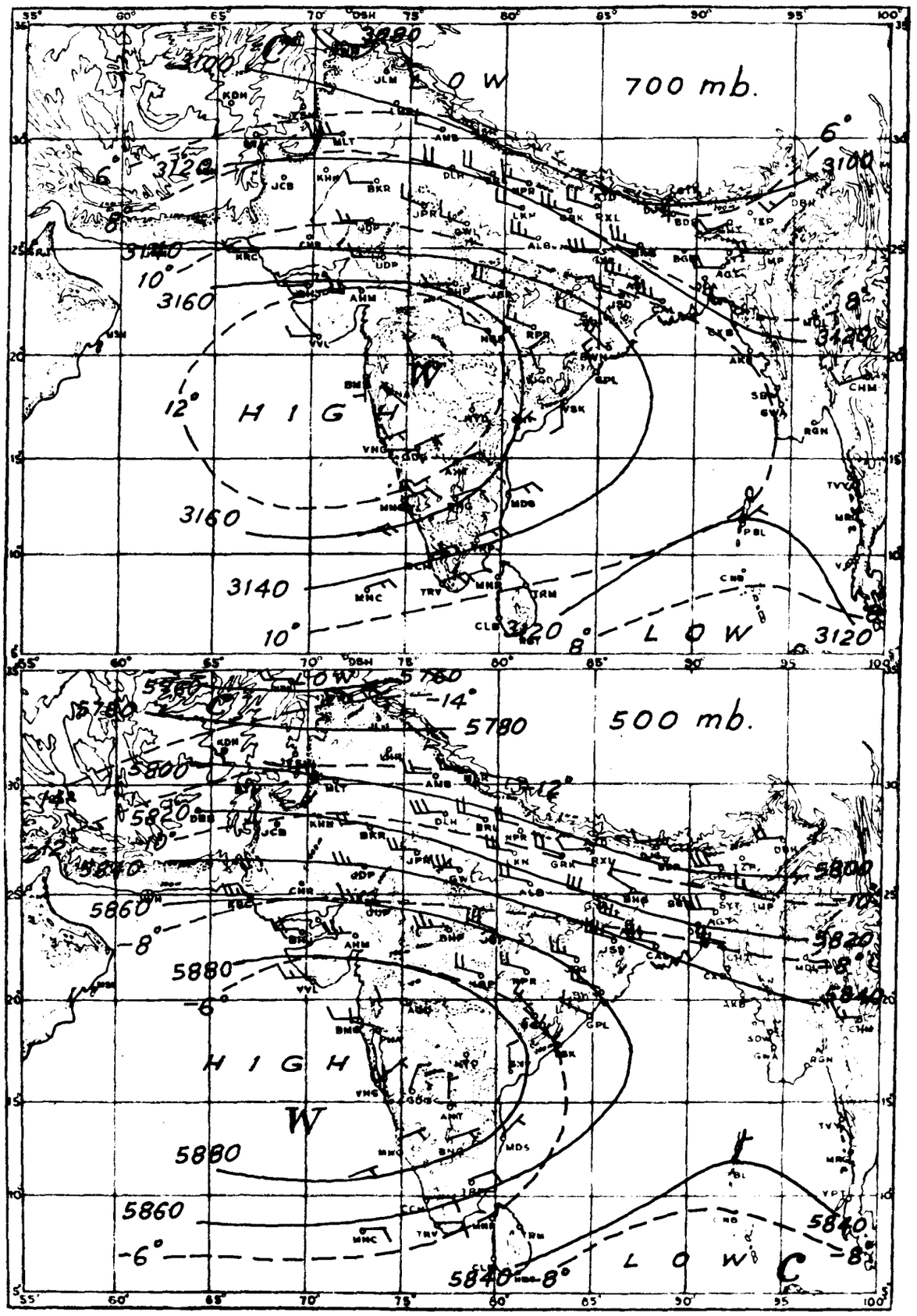


RESULTANT WIND — 5 Knots, — 10 Knots, — 50 Knots.

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

MONTHLY MEAN CONSTANT PRESSURE CHARTS

APRIL 1967



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

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

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INDIA WEATHER REVIEW, 1967

Monthly Weather Report

MAY

MONTHLY WEATHER REPORT

FOR

MAY - 1967

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* * * *

MEANINGS OF SYMBOLS AND ABBREVIATIONS IN TABLES II and III

Symbol/Abbreviation	Meaning
(a)	Mean/total for 30 days.
(b)	Mean/total for 29 days.
(c)	Mean/total for 28 days.
(d)	Mean/total for 27 days.
(e)	Mean/total for 26 days.
(f)	Mean/total for 25 days.
(g)	Mean/total for 24 days.
(h)	Mean/total for 23 days.
(i)	Mean/total for 22 days.
(j)	Mean/total for 21 days.
(k)	Mean/total for 20 days.
(l)	Mean/total for 19 days.
(m)	Mean/total for 18 days.
(n)	Mean/total for 17 days.
(o)	Mean/total for 16 days.
(p)	Mean/total for 15 days.
(q)	Mean/total for 14 days.
*	Closed during winter months.
(R)	Register not received, hence data not available.
#	Data for less than 15 days, hence no means published.
ds	Days.
●	Data rejected.
D.N.	Data not available.
E	Estimated.
H	Provisional height.

INDIA WEATHER REVIEW, 1967

Monthly Weather Report

MAY

Published by authority of the Government of India

Chief features :-

i) Movement of five western disturbances across northwest India;

ii) Formation and movement of a severe cyclonic storm in the Bay of Bengal;

iii) Temporary advance of the southwest monsoon into Kerala by the middle of the month; and iv) Severe thunderstorm activity in east Uttar Pradesh in the second week causing severe damage to property and loss of lives.

Five western disturbances affected the northwestern parts of the country during the month. The first three disturbances moving across the extreme north of the country during the first ten days of the month caused precipitation over Jammu and Kashmir and Himachal Pradesh. The fourth western disturbance persisted over the Punjab and adjoining West Pakistan from 21st to 24th. In addition to the precipitation it caused over most parts of northwest India, the strong pressure gradient that prevailed over Rajasthan and north Gujarat State caused strong dust raising winds during the period 20th to 24th. The last western disturbance also moved rather slowly and passed across the Western Himalayas at the end of the month. The details of the activity and movement of these western disturbances are given in the accompanying statement.

The seasonal trough of low pressure over northeast India was well marked at the beginning of the month. A low pressure area which developed over the central parts of the country by 4th persisted there till 10th. Under its influence, there was good incursion of moist air into northeast India from the Bay of Bengal. In association with these developments, good thundershower activity persisted over Assam during the first fortnight. The other parts of northeast India also received a few thundershowers but the activity was sub-normal. Some of the noteworthy amounts of rainfall recorded were : Baghdogra 8 cm. on 1st, Chaparmukh 13 cm. and Silchar 12 cm. on 4th, Haflong and Silchar 9 cm. each and Golaghat 8 cm. on 6th and Agartala 7 cm. on 7th. Thundershower activity was sub-normal over the south Peninsula during the first ten days of the month.

A trough of low pressure appeared over the southeast Bay of Bengal and Bay Islands on 13th. It concentrated into a depression by the morning of 15th with centre near Lat. 11.5°N and Long. 91.5°E. Moving slowly northwards it intensified into a cyclonic storm by the next morning with centre near Lat. 13.0°N and Long. 91.5°E. The storm moved in a northeasterly/northnortheasterly direction and further intensified into a severe cyclonic storm by the morning of 17th centred near Lat. 15.0°N and Long. 92.5°E. It crossed the Arakan coast between Akyab and Sandoway on the early morning of 18th. Thereafter, it began to weaken rapidly and finally moved away northnortheastwards as a low pressure area. Under its influence, the Bay branch of the monsoon advanced into the south Andaman Sea and the extreme south Bay of Bengal by 13th. It also extended into the north Andaman Sea and the eastern parts of the east central Bay during the next two days. Port Blair and Car Nicobar recorded 12 cm. of rain each on 16th, Nancowry 13 cm. on 16th and 9 cm. on 17th and Long Island 7 cm. on 16th and 9 cm. on 17th.

A trough of low pressure appearing over Ceylon and neighbourhood on 9th developed into a low pressure area over the Comorin area by 11th. Moving slowly westwards, it lay over the Maldive and adjoining Laccadive areas on 13th. Later, it became well marked and moved slowly northwards. It crossed coastal Mysore and passed inland on 17th. Thereafter, it weakened rapidly. Under its influence, a temporary advance of the monsoon took place over Kerala by 13th. The other parts of

south Peninsula also received good rainfall till 18th. Later, the activity decreased considerably but rainfall continued over Kerala till 25th. Some of the heavy rainfalls recorded were : Fort Cochin 14 cm., Minicoy 11 cm. and Alleppey 8 cm. on 13th, Fort Cochin 15 cm. and Alleppey 9 cm. on 14th, Fort Cochin 8 cm. each on 17th and 18th, Vellore 8 cm. on 18th, Fort Cochin 12 cm. and Alleppey 7 cm. on 23rd, Fort Cochin 9 cm. and Trivandrum 8 cm. on 25th.

Except for a spell of thunderstorm activity during the middle of the month, weather remained mainly fair over the central parts of the country and the north Peninsula. A well marked low pressure area which developed over west Uttar Pradesh on 12th moved eastwards to Bihar State where it weakened by 15th. In association with it, many parts of north India received good thunderstorm/duststorm. The activity was particularly severe over east Uttar Pradesh where the duststorm/thunderstorm activity was fairly widespread on 13th. According to press reports, there was considerable damage to Mango and other summer fruit crops and also to public property. A few persons including 12 Jawans camping near Civil Aerodrome, Kanpur were killed due to the storm. A passenger train was blown off the rails between Peokol and Bhatni Junction near Varanasi on 13th night, injuring about 26 passengers.

Day temperatures were above normal over parts of the Peninsula during the first fortnight and over Gujarat State and central parts of the country during the second and third weeks, being markedly so over Gujarat State during the middle of the month. They were also above normal over the Peninsula and northeast India during the last week, being markedly so over coastal Andhra Pradesh and adjoining areas. Day temperatures remained appreciably to markedly below normal, over northwest India during the first and last weeks, over Uttar Pradesh and central parts of the country during the first week, and over Assam on most days during the first three weeks. They were also below normal over parts of the Peninsula during the period 11th to 19th, being markedly so over Mysore State and adjoining areas on 16th and 17th.

Rainfall was in moderate excess over the Bay Islands; in slight excess over Kerala and Arabian Sea Islands and normal over Sub-Himalayan West Bengal and Rayalaseema. It was in slight defect over South Assam, Bihar Plateau and Madras State and in moderate defect over North Assam, Gangetic West Bengal, Bihar Plains, Haryana, Jammu and Kashmir, West Rajasthan, East Madhya Pradesh and Interior Mysore. It was in large defect over the rest of the country.

The mean Maximum temperature was above normal in Madhya Maharashtra; below normal in Haryana, Punjab and Jammu and Kashmir and normal over the rest of the country.

The mean Minimum temperature was above normal in Himachal Pradesh and below normal in South Assam, Bihar, Uttar Pradesh, Haryana, Punjab, Jammu and Kashmir, Rajasthan and West Madhya Pradesh. It was normal over the rest of the country.

The mean Relative Humidity in the morning was above normal in Himachal Pradesh and Jammu and Kashmir, below normal in West Rajasthan and Marathwada and normal over the rest of the country.

The mean Relative Humidity in the evening was above normal in Jammu and Kashmir, below normal in Marathwada and Interior Mysore and normal over the rest of the country.

The mean cloud amount in the morning was normal over the Bay Islands, Assam, Sub-Himalayan West Bengal, Jammu and Kashmir, Coastal Andhra Pradesh, Rayalaseema, Madras State, Mysore, Kerala and the Arabian Sea Islands. It was below normal over the rest of the country.

The mean cloud amount in the evening was normal over the Bay Islands, Assam, Sub-Himalayan West Bengal, Jammu and Kashmir, Konkan, Coastal Andhra Pradesh, Rayalaseema, Madras State, Mysore, Kerala and the Arabian Sea Islands. It was below normal over the rest of the country.

Table I contains the divisional and sub-divisional means of rainfall, temperature, humidity and cloud amount for the 17 chief political divisions and the 33 sub-divisions. The station whose observations are used for preparing these means are given in the subsequent tables.

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

Poona-5;

13th August 1967.

R. ANANTHAKRISHNAN,

for Director General of Observatories.

STATEMENT SHOWING THE MOVEMENT AND ACTIVITY OF WESTERN DISTURBANCES DURING THE MONTH OF MAY 1967.

No.	Period	Course	Region affected	Nature of precipitation	Period	Remarks
1.	30th Apr. - 2nd May	Northern parts of West Pakistan-Jammu and Kashmir.	Jammu and Kashmir	Fairly widespread/isolated rain or snow	1st, 2nd and 3rd	
2.	3rd - 5th	Northern Parts of West Pakistan-Jammu and Kashmir	Jammu and Kashmir Himachal Pradesh	Scattered/isolated rain or snow Isolated rain	4th,5th & 6th 4th	Feeble.
3.	8th - 11th	Northern parts of West Pakistan and adjoining Afghanistan-Jammu and Kashmir.	Jammu and Kashmir Himachal Pradesh	Isolated rain Isolated rain	10th 11th	
4.	20th-26th	Afghanistan & adjoining West Pakistan-Northern parts of West Pakistan-Punjab-Western Himalayas.	Jammu and Kashmir Himachal Pradesh The Punjab West Uttar Pradesh	Fairly widespread to isolated rain Fairly widespread to isolated rain Isolated rain Isolated/Scattered rain	22nd,24th, 25th & 26th 21st to 26th 24th,25th & 26th 24th,25th & 26th.	Persisted over northern parts of West Pakistan and the Punjab from 21st to 24th.
5.	26th-31st	West Baluchistan and adjoining south Afghanistan - central parts of West Pakistan - Punjab-Western Himalayas.	East Rajasthan West Rajasthan Jammu and Kashmir	Isolated rain Isolated rain Isolated rain	27th to 30th 29th 28th.	

Vaisakha 11 – Jyaistha 10

TABLE I – DIVISIONAL AND SUB-DIVISIONAL MEANS – MAY 1967 (VAISAKHA – JYAISTHA, 1889 SAKA)

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1. ASSAM (INCLUDING	282.8	75	30.4	21.0	80	74	5.5	4.5
NEFA, N.L.ETC)	- 96.4		0.0	-1.0	- 1	- 1	-0.3	-0.4
2. WEST BENGAL	104.5	69	35.9	24.8	70	59	3.3	2.8
	- 46.7		+0.2	-0.6	- 1	- 3	-0.8	-1.1
3. ORISSA	23.4	39	38.6	26.2	63	50	2.2	2.9
	- 36.7		+0.4	-0.6	- 1	- 2	-1.3	-1.5
4. BIHAR	33.1	68	38.5	24.1	54	35	1.7	1.7
	- 15.4		-0.2	-1.5	0	- 2	-0.9	-1.2
5. UTTAR PRADESH	9.0	47	39.7	23.7	38	24	0.7	0.9
	- 10.1		-0.4	-1.5	- 3	- 1	-0.5	-0.5
6. HARYANA (INCLU.	6.3	51	39.0	23.7	40	21	0.4	1.1
DELHI CHANDIGARH)	- 6.1		-1.2	-1.1	+ 4	0	-0.7	-0.3
7. PUNJAB	4.0	34	38.7	21.2	36	20	1.1	1.2
	- 7.7		-1.1	-1.8	- 3	- 5	-0.5	-0.6
8. HIMACHAL	9.4	27	35.6	20.7	53	31	1.2	1.9
PRADESH	- 25.4		-0.5	+2.3	+ 6	+ 2	-0.9	-1.1
9. JAMMU AND	27.0	71	25.2	11.4	55	45	2.6	5.1
KASHMIR	- 10.8		-1.7	-1.9	+ 8	+ 7	-0.4	+0.3
10. RAJASTHAN	3.6	32	40.8	24.4	36	20	0.2	0.9
	- 7.5		-0.3	-1.8	- 5	- 4	-0.7	-0.9
11. MADHYA PRADESH	6.3	43	41.3	25.5	33	19	0.8	1.7
	- 8.2		+0.2	-1.0	- 3	- 2	-1.1	-1.3
12. GUJARAT STATE	0.0	0	38.3	25.3	67	42	1.2	0.7
(INCLU. DIU ETC)	- 3.7		+0.6	-0.6	- 2	- 2	-1.0	-0.8
13. MAHARASHTRA	7.2	25	38.8	25.9	54	35	2.0	2.6
STATE (INCL. GOA)	- 21.3		+0.7	-0.2	- 3	- 3	-1.0	-1.0
14. ANDHRA PRADESH	15.7	39	39.3	27.3	59	40	3.4	3.5
	- 25.0		+0.5	-0.2	- 2	- 4	-0.6	-0.8
15. MADRAS STATE	50.1	82	36.3	26.0	71	59	4.8	5.3
(INCL. PONDICH.)	- 11.0		+0.4	-0.2	+ 3	+ 2	+0.3	+0.3
16. MYSORE	56.0	55	35.3	23.7	71	45	4.2	4.9
	- 45.9		+0.8	+0.4	- 1	- 6	-0.3	-0.2
17. KERALA	322.6	111	32.2	25.1	83	74	6.3	6.7
	+ 31.8		+0.2	+0.1	0	- 2	+0.6	+0.6
SUB-DIVISION								
1. BAY ISLANDS	515.3	138	30.5	23.9	83	85	5.2	6.2
	+143.2		-0.4	-0.9	+ 3	+ 1	-0.8	+0.1
2. NORTH ASSAM	272.0	74	30.3	21.1	82	75	5.7	4.5
(INCLUDING NEFA)	- 98.0		+0.1	-0.9	0	- 1	-0.3	-0.5
3. SOUTH ASSAM	308.9	77	30.7	20.8	77	71	5.3	4.7
(INCL. N.LAND ETC)	- 92.8		-0.3	-1.1	- 2	- 1	-0.1	+0.1
4. SUB-HIMALAYAN	249.9	91	32.3	22.7	75	64	4.8	3.0
WEST BENGAL	- 24.6		-0.2	-0.6	- 1	- 2	-0.3	-0.6
5. GANGETIC WEST-	56.1	51	37.2	25.6	69	57	2.8	2.8
BENGAL	- 54.0		+0.4	-0.6	0	- 3	-0.9	-1.3
6. ORISSA	23.4	39	38.6	26.2	63	50	2.2	2.9
	- 36.7		+0.4	-0.6	- 1	- 2	-1.3	-1.5
7. BIHAR PLATEAU	44.7	83	39.2	23.8	49	29	1.4	2.4
	- 9.2		-0.1	-1.9	- 1	- 5	-1.3	-1.8
8. BIHAR PLAINS	26.0	58	37.8	24.4	59	40	1.9	1.1
	- 19.1		-0.4	-1.1	+ 1	0	-0.5	-0.7
9. UTTAR PRADESH	8.1	47	40.7	25.0	40	24	0.6	0.7
(EAST)	- 9.3		-0.4	-1.1	- 3	- 2	-0.6	-0.5
10. UTTAR PRADESH	10.2	48	38.5	22.2	35	23	0.8	1.1
(WEST)	- 11.1		-0.5	-1.9	- 2	- 1	-0.5	-0.7
11. HARYANA (INCLU.	6.3	51	39.0	23.7	40	21	0.4	1.1
DELHI CHANDIGARH)	- 6.1		-1.2	-1.1	+ 4	0	-0.7	-0.3
12. PUNJAB	4.0	34	38.7	21.2	36	20	1.1	1.2
	- 7.7		-1.1	-1.8	- 3	- 5	-0.5	-0.6
13. HIMACHAL	9.4	27	35.6	20.7	53	31	1.2	1.9
PRADESH	- 25.4		-0.5	+2.3	+ 6	+ 2	-0.9	-1.1
14. JAMMU AND KASH-	27.0	71	25.2	11.4	55	45	2.6	5.1
-MIR	- 10.8		-1.7	-1.9	+ 8	+ 7	-0.4	+0.3
15. RAJASTHAN (WEST)	5.1	57	41.1	24.0	37	20	0.3	0.8
	- 3.9		-0.3	-2.1	- 7	- 3	-0.5	-0.6
16. RAJASTHAN (EAST)	2.2	17	40.5	24.7	34	20	0.1	1.0
	- 10.9		-0.4	-1.7	- 4	- 4	-0.9	-1.1
17. MADHYA PRADESH	2.5	21	41.3	25.2	33	17	0.5	1.4
(WEST)	- 9.2		+0.4	-1.2	- 4	- 3	-1.2	-1.3
SUB-DIVISION								
18. MADHYA PRADESH	11.4	63	41.3	25.9	34	21	1.2	2.0
(EAST)	- 6.8		+0.1	-0.7	- 2	- 1	-1.0	-1.3
19. GUJARAT REGION	0.0	0	40.8	25.9	59	25	0.9	0.4
(INCL. DAMAN ETC)	- 5.8		+0.6	-0.4	- 4	- 4	-1.0	-0.8
20. SAURASHTRAKUTCH	0.0	0	36.6	25.0	73	53	1.4	0.9
(INCLUDING DIU)	- 2.4		+0.5	-0.8	0	- 1	-1.0	-0.8
21. KONKAN	9.2	22	32.8	26.7	75	69	3.3	3.0
(INCLUDING GOA)	- 31.9		+0.5	0.0	0	- 2	-1.0	-0.6
22. MADHYA-	12.1	37	40.4	24.1	54	28	1.7	2.4
-MAHARASHTRA	- 20.4		+1.2	-0.1	- 3	- 2	-0.8	-1.0
23. MARATHWADA	3.1	16	41.1	24.9	41	19	1.5	2.9
	- 16.8		+0.9	-0.1	- 7	- 7	-0.9	-0.9
24. VIDARBHA	0.8	5	42.2	27.6	38	19	1.3	2.5
	- 14.4		+0.4	-0.4	- 3	- 3	-1.4	-1.1
25. COASTAL ANDHRA	9.7	22	38.1	27.7	68	55	4.2	3.6
-PRADESH	- 35.3		+0.5	-0.1	- 1	- 5	-0.1	-0.5
26. TELANGANA	4.8	15	41.0	27.7	48	25	2.5	2.8
	- 27.3		+0.4	0.0	- 4	- 4	-0.9	-1.4
27. RAYALASEEMA	48.2	105	38.7	26.0	59	32	3.5	4.2
	+ 2.1		+0.4	-0.3	+ 1	- 3	-0.7	-0.5
28. MADRAS STATE	50.1	82	36.3	26.0	71	59	4.8	5.3
(INCL. PONDICH.)	- 11.0		+0.4	-0.2	+ 3	+ 2	+0.3	+0.3
29. COASTAL MYSORE	75.6	42	32.7	26.2	78	70	5.1	5.2
	-103.8		+0.7	+0.5	- 1	- 3	-0.5	-0.2
30. INTERIOR MYSORE	30.8	58	38.2	24.3	60	33	3.5	4.8
(NORTH)	- 22.4		+1.0	+0.5	- 4	- 7	-0.1	+0.3
31. INTERIOR MYSORE	68.3	65	34.1	22.0	77	42	4.5	4.8
(SOUTH)	- 37.5		+0.9	+0.3	+ 1	- 6	-0.3	-0.6
32. KERALA	322.6	111	32.2	25.1	83	74	6.3	6.7
	+ 31.8		+0.2	+0.1	0	- 2	+0.6	+0.6
33. ARABIAN SEA-	184.1	121	31.8	26.8	80	73	5.9	6.1
ISLANDS	+ 31.7		-0.2	0.0	+ 4	- 4	+0.7	+0.1

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

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - MAY 1967 (SAKHA - JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
BAY ISLANDS																												
MAYA BANDAR	31.3	+0.6	34.7	04	24.8	-0.3	21.1	29	64.0 a	308.2	- 75.2	123.2	17	10	- 5.7	15.9	11.6	-3.6	0	14	0	0	6	0	0	0	0	0
LONG ISLAND	30.9	-1.1	32.7	08	24.3	-0.7	..	..	87.2 a	485.4	+148.5	91.4	17	15	+ 1.4	9.0	6.3	+3.8	0	19	0	0	0	0	0	0	0	0
PORT BLAIR	30.8	-0.1	34.6	06	23.9	-0.5	21.2	29	272.8	619.9	+267.6	117.4	16	20	+ 4.7	18.4	15.2	+3.1	0	21	0	0	14	0	0	0	0	3
CAR NICOBAR	30.7	-0.6	33.0	04	22.3	-2.2	20.0	15	224.9	584.2	+188.6	124.5	16	19	+ 4.2	5.5	4.2	+0.4	0	20	0	0	6	0	0	0	0	0
NAN COWRY	30.0	-0.5	33.5	09	24.5	-0.4	22.5	17	301.4	715.2	+350.6	129.4	16	23	+ 6.8	6.5	6.9	-0.2	0	27	0	0	20	0	0	0	0	2
KONDUL	29.2	-0.9	32.4	02	23.7	-1.4	22.1	18	210.1	378.8	- 21.0	56.4	13	18	+ 1.2	9.1	7.3	+2.8	0	22	0	0	12	0	0	0	0	0
NORTH ASSAM (INCLUDING REPAL)																												
PASIGHAT	29.2	+1.5	35.1	31	21.3	+0.4	17.8	07	90.2	268.4	-178.0	46.2	02	14	- 2.9	6.5	7.5	0.0	2	15	0	0	8	0	0	0	0	0
DIBRUGARH (MOHANBARI)	29.5	+0.9	35.6	31	21.6	+0.1	18.0	07	68.8	212.6	-201.1	49.3	06	13	- 4.7	7.1	5.0	0.0	0	20	0	0	12	0	0	0	1	0
DIGBOI	29.3	+0.3	35.8	31	19.8	-1.7	17.9	06	64.4	230.5	- 99.8	40.6	05	16	- 3.0	..	..	..	1	21	0	0	0	0	0	0	0	0
NORTH LAKHIMPUR	29.1	+0.5	34.3	30	20.4	-1.3	17.5	07	63.8	264.5	-267.0	41.0	24	13	- 6.4	8.1	5.2	..	1	19	0	0	9	0	0	0	1	0
SIBSAGAR	30.2	+0.5	36.1	31	..	..	..	..	38.7	226.9	- 85.3	37.8	07	15	- 0.3	6.4	5.1	-0.8	1	19	0	0	15	0	0	0	0	0
GOHPUR	29.6	+0.7	35.1	31	20.8	-0.1	17.9	02	46.8	332.5	- 30.0	91.5	26	17	+ 2.3	6.3	5.1	..	0	18	0	0	0	0	0	0	0	0
MAJBAT	30.7	..	34.9	31	20.9	..	17.9	05	76.9 a	264.3	..	..	..	..	..	..	..	..	.	..	0	0	0	0	0	0	0	0
JORHAT AERODROME	30.1	..	35.6	31	22.0	..	16.4	07	79.3	253.3	..	33.6	25	17	..	..	.. b	..	1	17	0	0	16	1	0	0	0	0
TANGLA	30.4	-0.1	35.0	30	20.3	-1.6	18.1	09	71.8	388.3	- 58.5	62.2	14	14	- 5.1	5.2	4.8	+1.2	0	14	0	0	0	0	0	0	0	0
TEZPUR	30.2	-0.1	35.8	30	22.2	-0.3	19.0	02	34.1	269.0	+ 0.8	68.2	26	14	- 1.6	7.1	6.4 b	-1.9	0	17	0	0	8	0	0	0	0	0
GOLAGHAT	30.4	+0.6	36.6	30	19.5	-2.3	16.0	01	14.6	332.4	- 44.1	75.6	06	18	+ 2.7	..	..	..	0	20	0	0	0	0	0	0	0	0
RANGIA	30.5	-0.7	36.4	31	22.7	+1.4	19.5	01	94.9	426.4	+ 56.9	55.8	12	16	- 1.7	7.4	5.7 b	..	0	16	0	0	0	0	0	0	0	0
CHAPARMUKH	31.2	-1.0	37.0	31	18.9	-4.3	15.0	12	57.3	226.3	+ ..	..	..	..	..	5.6	4.1	..	.	..	0	0	10	0	0	0	0	0
GOALPARA	31.5	+0.1	36.1	30	21.2	-1.1	17.9	02	20.8	178.9	-342.8	33.5	13	13	- 4.8	6.5	5.2	+0.8	1	17	0	0	0	0	0	0	0	0
GAUHATI (BHURJOR)	30.5	-0.6	35.5	31	22.2	-0.6	18.8	01	31.5	246.3	- 30.2	52.4	12	12	- 3.7	7.4	4.9	..	0	15	0	0	19	0	0	0	5	0
DHUBRI (RUPSI)	31.0	-0.7	35.3	30	22.3	-0.3	18.0	01	25.3	252.7	-136.2	50.3	11	12	- 2.5	10.3	8.9	+2.6	0	15	0	0	15	0	0	0	2	0
DHUBRI	30.4	+0.5	35.2	30	22.0	-1.0	17.0	01	12.4	328.6	- 94.8	48.6	13	13	- 2.8	..	..	..	0	15	0	0	15	0	0	0	0	0
LUMDING	32.0	-0.5	36.6	31	21.5	-0.6	18.5	12	110.8	175.8	+ 7.4	35.4	12	10	- 0.9	5.7	3.9	..	0	11	0	0	0	0	0	0	0	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																												
TURA	30.7	-0.3	34.1	18	22.6	-0.3	19.5	07	22.2	420.1	+ 4.1	94.7	14	11	- 3.3	9.6	8.9	-1.3	1	16	0	0	0	0	0	0	0	0
HAFLONG	29.2	+1.5	33.0	31	17.3	-2.4	13.5	06	161.6	351.8	-180.6	88.6	06	15	- 3.8	..	..	..	0	16	0	0	6	0	0	0	0	0
SILCHAR (KUMBHIRGRAM)	31.4	-0.3	37.6	18	22.1	0.0	18.3	07	63.7	353.3	-196.2	72.7	04	12	- 5.2	7.5	7.8	+0.5	0	15	0	1	15	0	0	0	0	0
SILCHAR	29.4	-1.8	34.1	31	..	..	..	..	77.4	371.6	- 57.9	117.4	04	14	- 3.3	3.5	2.2	-0.2	0	19	0	0	17	0	0	0	0	0
IMPHAL (TULIHAL)	28.5	-0.4	33.6	30	17.2	-1.9	14.4	07	51.4	158.6	- 72.1	34.5	07	11	- 2.3	10.9	6.4	-1.5	1	15	0	0	10	0	0	0	0	0
KAILASHAHAR	32.5	-0.9	36.3	30	22.4	-0.7	18.1	02	124.9	234.4	-102.9	60.6	07	11	- 3.5	6.9	4.1	-0.4	1	14	0	0	17	0	0	0	1	0
AGARTALA	33.0	-0.2	35.2	20	23.2	-1.0	19.1	02	167.5	272.5	- 44.1	118.8	25	8	- 3.1	11.4	8.6	-3.4	0	12	0	0	18	2	0	0	4	0
SUB-HIMALAYAN WEST BENGAL																												
BAGHDOGRA	31.2	-0.8	35.8	19	22.3	-0.6	18.6	16	15.5	183.3	- 70.1	77.0	01	9	- 2.1	14.5	13.8	+4.1	1	13	0	1	17	0	0	0	0	0
JALPAIGURI	30.8	-0.1	35.5	19	22.4	-0.5	18.8	01	11.8	181.2	-121.1	31.6	20	12	- 1.4	12.2	9.6	+1.2	0	15	0	0	6	0	0	0	0	0
COOCH BEHAR AERODROME	30.4	-1.1	34.3	31	21.4	-1.4	17.3	06	72.0	575.2	+148.5	176.4	24	17	+ 1.7	8.6	6.9	-0.3	0	20	0	2	17	0	0	0	0	0
BALURGHAT	34.4	..	39.6	28	23.5	..	20.2	14	31.0	88.1	..	51.3	10	3	..	8.2	6.8	..	0	4	0	0	2	0	0	0	0	0
MALDA	36.7	+1.1	41.8	29	24.6	-0.1	20.7	14	8.0	59.8	- 55.8	23.6	15	5	- 0.8	5.0	4.3	-4.7	0	7	0	0	8	0	0	0	0	0
GANGETIC WEST BENGAL																												
BERHAMPORE	37.6	+0.5	41.2	20	24.8	+0.1	20.9	17	58.4	81.5	- 50.6	25.7	23	8	+ 0.9	5.3	4.9	-2.0	0	9	0	0	1	0	0	0	0	0
SURI	38.9	-0.5	43.4	30	27.4	+1.4	19.8	07	..	34.0	- 28.0	14.8	14	5	+ 1.1	.	8.3	-3.3	0	5	0	0	6	0	0	0	0	0
ASANSOL	39.9	+0.8	45.0	31	25.4	-0.9	21.8	03	19.3	41.3	- 42.3	16.2	05	3	- 1.7	9.0	7.1	-1.8	0	5	0	0	9	0	0	0	1	0
SHANTI NIKETAN	39.1	..	43.6	30	25.6	..	18.2	21	6.7	36.1	..	10.8	12	4	..	9.8	7.1	..	1	5	0	0	8	0	0	0	0	0
KRISHNANAGAR	37.4	+0.4	41.0	20	23.2	-2.0	19.5	11	62.7	120.8	- 38.2	32.0	23	7	- 1.0	12.2	11.2	+0.4	0	9	0	0	7	0	0	0	0	0
PURULIA	40.0	-0.1	43.7	21	25.2	-1.7	21.4	12	3.4	32.2	- 8.1	12.0	12	3	- 0.5	7.7	6.0	-1.1	1	6	0	1	10	0	0	0	0	0
BANKURA	40.7	..	44.5	31	23.2	..	20.0	12	8.6	18.3	- 75.4	5.8	12	4	- 1.4	3.3	2.1	..	0	5	0	0	0	0	0	0	0	0
BURDWAN	38.8	+1.6	42.5	03	24.9	-0.9	21.2	21	8.0	45.0	- 94.2	15.0	14	4	- 2.9	..	..	..	0	6	0	0	1	0	0	0	0	0
CALCUTTA (DUM DUM)	36.0	+0.3	40.4	29	25.8	-0.2	21.6	21	1.1	82.7	- 34.6	32.2	21	5	- 0.9	15.9	13.4	-2.8	0	8	0	0	12	0	0	0	5	0
CALCUTTA	36.4	+0.6	40.3	29	26.0	-0.5	21.4	21	0.5	73.6	- 60.3	30.0	21	6	- 0.7	12.3	10.6	+1.9	0	8	0	0	8	0	0	0	4	0
MIDNAPORE	38.6	+0.4	43.0	31	26.4	+0.1	21.5	12	16.0	42.0	- 77.6	26.0	12	2	- 4.7	8.5	8.2	-0.9	0	2	0	0	2	0	0	0	0	0
CONTAI	34.2	+0.6	40.4	19	24.3	-3.0	19.6	05	0.0	53.8	- 81.7	31.0	21	2	- 2.8	22.5	16.4	-3.1	0	3	0	0	0	0	0	0	0	0
SAGAR ISLAND	31.9	-0.2	35.1	19	27.8	+0.5	23.4	24	0.0	47.5	- 56.9	42.0	21	2	- 3.2	29.3	30.1	+0.4	0	4	0	0	3	0	0	0	3	0
SANDHEADS	31.9	..	33.8	28	27.4	..	21.1	19	0.0	17.4	- 32.4	9.6	23	2	- 1.2	..	..	..	0	3	0	0	3	0	0	0	0	0
ORISSA																												
BARIPADA	39.4	-1.2	44.4	31	25.4	-0.5	20.4	17	3.2	44.6	- 69.9	17.2	17	4	- 1.8	5.7	4.7	-0.1	0	4	0	0	11	0	0	0	0	0
JHARSUGUDA	41.8	-0.2	44.9	31	26.6	-1.1	22.0	15	0.2	46.7	+ 23.1	29.0	15	3	+ 1.3	9.8	7.7	-1.1	1	4	0	0	7	0	0	0	4	0
KEONJHARGARH	38.1	-0.8	40.9	31	24.3	-1.0	14.7	15	14.3	83.7	+ 27.8	41.2	13	5	+ 0.8	9.1	6.9	-1.6	0	6	0	0	0	0	0	0	0	0
BALASORE	37.2	+0.8	41.1	30	25.0	-1.7	20.1	15	17.2	27.5	- 66.0	17.2	05	2	- 3.4	16.5	14.0	+0.5	0	5	0	0	0	0	0	0	0	0
SAMBALPUR	42.2	+0.1	45.5	21	23.9	-3.7	18.3	03	0.0	0.0	- 25.1	0.0	..	0	- 2.2	4.6	4.5	-2.2	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - MAY (1967 ISAKHA - JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 (≥ 0.1 & 0.2 mm.)	20 (≥ 0.3 mm. or more)	21	22	23	24	25	26	27	28
ORISSA (CONTD.)																												
ANGUL	41.6	+1.3	44.4	26	..	..	..	..	7.8	7.8	- 47.1	7.8	24	1	- 3.3	10.4	8.9	-1.2	0	1	0	0	2	0	0	0	0	0
CHANDBALI	37.2	+0.8	41.9	30	26.1	-0.5	20.4	15	0.0	25.0	- 77.4	13.2	15	3	- 1.7	16.5	14.0	-2.9	0	3	0	0	2	0	0	0	0	0
BOLANGIR	42.5	+0.7	46.6	22	29.6	+0.2	24.9	17	0.0	9.4	- 6.4	9.4	17	1	- 1.0	10.5	9.0	-1.9	0	1	0	0	0	0	0	0	0	0
PHULBANI	39.8	..	42.5	22	22.8	..	18.7	15	40.0	44.0	..	40.0	15	2	..	8.1	3.9	..	0	2	0	0	1	0	0	0	0	0
CUTTACK	39.5	+0.7	44.1	26	27.3	+0.4	25.0	15	3.8	15.4	- 64.6	11.6	15	2	- 3.0	11.5	10.4	+1.3	0	4	0	0	4	0	0	0	0	0
TITLAGARH	42.6	+1.1	46.5	22	27.7	-0.2	22.8	17	0.0	8.3	- 24.0	8.3	17	1	- 1.6	3.8	3.4	-1.9	0	1	0	0	4	0	0	0	0	0
BHUBANESHAR	38.5	+0.5	43.5	27	27.0	-0.1	21.9	15	2.2	3.2	- 57.6	2.2	05	0	- 2.4	25.8	26.4	-1.2	0	2	0	0	5	0	0	0	0	0
PURI	32.1	+0.5	34.6	18	29.0	+1.3	26.0	31	0.0	37.4	- 25.6	29.6	15	2	- 1.0	25.9	25.2	-1.0	0	2	0	0	0	0	0	0	0	0
GOPALPUR	31.8	-0.3	34.0	19	25.8	-1.0	22.8	15	0.2	14.0	- 36.0	13.8	15	1	- 1.8	25.3	23.1	-2.3	1	1	0	0	5	0	0	0	0	0
KORAPUT	36.3	+2.2	44.3	31	27.5	-0.3	18.0	17	4.8	5.0	- 65.1	..	..	..	..	..	..	..	.	..	0	0	0	0	0	0	0	0
BIHAR PLATEAU																												
DUMKA	39.0	+1.1	44.3	31	24.4	-1.1	19.9	18	6.3	18.3	- 67.6	7.0	14	3	- 2.2	5.2	3.1	-3.4	0	4	0	0	0	0	0	0	0	0
DALTONGANJ	41.7	+0.1	45.1	21	24.7	-0.7	20.9	06	4.0	8.0	- 7.2	4.0	12	1	- 0.5	3.3	2.2	-4.5	0	3	0	0	4	0	0	0	0	0
HAZARIBAGH	37.7	-0.3	42.4	21	23.0	-1.4	18.1	14	7.3	16.3	- 32.2	9.0	14	2	- 1.4	15.0	11.4	+0.9	0	4	0	0	7	0	0	0	0	0
DHANBAD	39.2	+0.4	43.5	31	25.1	-0.8	18.3	12	79.0	115.6	+ 66.6	58.8	17	3	- 0.4	3.5	2.5	-6.7	0	4	0	0	5	0	0	0	0	0
RANCHI	37.0	-0.9	40.3	12	18.2	-5.8	16.7	18	30.0	..	..	..	..	..	..	7.3	5.8	-0.5	.	..	0	0	1	0	0	0	0	0
RANCHI AERODROME	37.1	-0.9	40.4	24	23.4	-1.3	18.6	15	47.2	61.8	+ 7.7	25.1	15	5	+ 1.2	13.1	10.6	-0.2	0	5	0	0	7	0	0	2	2	0
JAMSHEDPUR	40.3	+0.3	43.5	31	24.0	-2.8	20.4	15	14.2	33.8	- 41.1	13.2	23	3	- 2.2	9.6	7.7	-0.1	0	5	0	0	5	0	1	0	5	0
JAMSHEDPUR P.R.O.	40.1	-1.0	43.6	31	25.8	-1.8	21.4	14	6.6	27.2	- 8.9	9.3	14	4	+ 0.9	9.4	7.0	-0.1	0	6	0	0	7	0	0	0	1	0
CHAIBASA	40.8	+0.3	44.5	31	25.5	-1.3	19.9	13	0.0	76.6	+ 9.3	29.6	13	4	- 1.2	4.8	4.0	-0.5	0	5	0	0	2	0	1	0	0	0
BIHAR PLAINS																												
MOTIHARI	37.5	+0.8	41.9	31	23.2	-1.0	..	..	0.0	13.8	- 36.0	10.4	14	2	- 0.9	9.7	6.8	+0.6	0	2	0	0	0	0	2	0	0	0
FORBESGANJ	33.2	-2.9	38.3	26	23.7	0.0	19.6	16	0.4	47.0	- 53.0	24.5	22	4	- 1.0	8.2	5.6	-5.0	0	6	0	0	7	0	0	0	0	0
DARBHANGA	37.1	+0.7	42.2	29	24.0	-0.7	20.6	16	0.0	22.6	- 37.3	22.6	16	1	- 2.8	8.0	6.3	-1.9	0	1	0	0	1	0	0	0	0	0
MUZAFFARPUR	38.0	..	41.8	31	25.6	..	20.4	06	0.0	0.0	- 51.3	0.0	..	0	- 2.8	..	..	..	0	0	0	0	0	0	0	0	0	0
CHAPRA	40.0	..	44.1	31	27.3	..	23.2	11	12.4	15.8	- 7.0	12.4	17	2	+ 0.2	8.5	7.7	..	0	2	0	0	1	1	0	0	0	0
PURNEA	34.0	-1.1	38.9	28	22.5	-1.4	18.1	14	0.0	65.6	- 35.0	23.6	09	4	- 1.5	6.1	5.1	-2.3	0	4	0	0	1	0	0	0	0	0
PATNA	39.6	+0.7	44.0	31	24.5	-1.5	20.5	14	0.0	26.4	- 3.6	13.8	26	2	+ 0.1	10.4	9.7	-0.1	0	2	0	0	2	0	0	0	0	0
PATNA AERODROME	39.4	-0.4	43.7	31	24.6	-1.5	18.8	14	0.0	25.0	+ 3.6	21.0	14	2	+ 0.8	14.2	10.6	+1.0	0	2	0	0	4	0	0	0	3	0
ARRAH	..	..	..	..	..	..	..	..	..	0.0	- 17.6	0.0	..	0	- 1.7	..	..	..	0	0	..	..	..	..	..	.	..	.
BHAGALPUR	37.6	-0.5	43.1	31	25.1	-0.6	20.4	14	1.3	29.8	- 18.3	8.9	14	4	+ 1.1	10.9	9.5	-0.6	0	6	0	0	7	0	0	0	0	0
SABAUR	37.1	-0.3	42.5	31	23.3	-1.6	16.3	21	3.0	71.6	+ 16.2	31.2	14	5	+ 1.3	12.2	9.9	-0.6	0	7	0	0	7	0	0	0	1	0
JAMUI	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DEHRI	40.9	-1.1	43.9	31	26.3	-1.7	21.4	14	0.0	1.0	- 11.7	1.0	14	0	- 1.2	10.6	6.7	-0.7	0	1	0	0	0	0	0	0	0	0
GAYA	41.2	-0.1	44.7	25	26.5	-0.9	22.2	14	0.0	18.9	+ 2.1	18.9	14	1	- 0.3	14.7	11.7	+0.1	0	1	0	0	3	0	0	0	1	0
UTTAR PRADESH EAST																												
KHERI	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BAHRAICH	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
NAUTANWA	38.2	-0.9	41.6	31	23.2	-1.5	18.0	14	12.2	17.4	- 20.2	12.2	23	2	0.0	..	..	..	0	2	0	0	0	0	0	0	0	0
HARDOI	40.5	-0.6	43.6	21	24.2	-1.1	20.7	05	0.0	13.5	+ 4.7	13.5	14	1	+ 0.4	12.6	9.9	+2.0	0	1	0	0	0	0	0	0	0	0
GONDA	40.3	+0.4	45.0	31	23.8	-1.8	19.4	16	0.0	21.2	- 8.4	14.8	14	2	- 0.1	11.4	8.5	+0.8	0	2	0	0	1	0	0	0	0	0
LUCKNOW	..	..	..	..	..	..	..	..	0.0	0.0	- 15.0	0.0	..	0	- 1.1	..	..	..	0	0	0	0	1	0	1	0	0	0
LUCKNOW (AMAUSI)	40.5	-0.6	44.2	20	24.6	-1.0	20.3	05	0.0	0.4	- 15.2	0.4	25	0	- 0.6	17.9	12.1	+1.5	0	1	0	0	2	0	2	0	0	0
FAIZABAD	39.9	+0.6	44.4	31	24.0	+0.2	19.6	16	2.0	20.4	- 1.5	18.4	16	1	- 1.0	7.7	4.9	+0.1	0	2	0	0	3	0	2	0	0	0
GORAKHPUR	39.8	+0.8	44.1	31	25.5	-0.4	21.3	14	0.0	16.1	- 24.5	10.5	22	2	- 0.5	5.4	4.1	-3.0	0	3	0	0	0	0	0	0	0	0
KANPUR	41.1	-0.6	44.5	11	25.6	-1.6	20.9	14	16.0	16.0	+ 7.6	16.0	14	1	- 0.1	22.5	15.2	+2.3	0	1	0	0	0	0	0	0	0	0
KANPUR (AERODROME)	41.5	..	45.0	20	25.6	..	22.1	07	19.6	19.6	..	19.6	14	1	..	..	..	..	0	1	0	2	3	0	3	1	0	0
SULTANPUR	41.5	+0.5	45.0	31	22.6	-3.4	18.2	14	0.0	20.4	- 1.0	20.4	14	1	- 0.6	8.7	6.5	0.0	0	1	0	0	1	0	0	0	0	0
AZAMGARH	40.5	-0.9	44.9	25	27.0	+0.9	21.4	03	0.0	2.4	- 6.1	2.4	14	0	- 0.7	9.2	5.9	..	0	1	0	0	0	0	0	0	0	0
FATEHPUR	41.5	-0.8	45.5	21	25.4	-1.9	20.8	05	2.1	2.1	- 3.5	2.1	14	0	- 0.6	13.7	7.9	+1.5	0	1	0	0	2	0	0	0	0	0
BALLIA	39.8	-2.0	45.5	31	21.3	-4.1	17.0	14	0.0	0.0	- 22.8	0.0	..	0	- 1.6	9.4	7.3	+0.1	0	0	0	0	0	0	0	0	0	0
BANDA	43.0	0.0	47.0	21	29.8	+1.8	22.2	06	0.0	0.0	- 6.9	0.0	..	0	- 0.5	5.5	3.3	-0.9	0	0	0	0	0	0	0	0	0	0
ALLAHABAD (BAMHRAULI)	42.1	0.0	46.2	21	26.1	-1.3	22.6	06	0.0	0.0	- 14.0	0.0	..	0	- 0.7	10.6	6.9	-1.8	0	0	0	0	4	0	0	0	0	0
VARANASI (BABATPUR)	41.0	-0.5	44.3	20	25.8	-1.1	22.6	06	0.0	0.0	- 7.9	0.0	..	0	- 0.4	17.6	14.5	+1.8	0	0	0	0	2	0	2	0	0	0
VARANASI	41.4	-0.1	44.5	20	25.5	-1.5	21.9	14	0.0	0.0	- 13.7	0.0	..	0	- 1.1	10.5	7.7	-2.5	0	0	0	0	0	0	0	0	0	0
UTTAR PRADESH WEST																												
MUKHIM	24.4	-1.1	29.2	21	12.5	-2.9	7.4	13	14.0	36.3	- 34.1	14.8	24	3	- 1.6	..	..	..	0	8	0	0	0	0	0	0	0	0
TEHRI	35.8	-1.0	40.7	31	18.3	-1.4	15.0	14	14.0	22.1	- 12.8	6.8	25	5	+ 1.8	4.9	4.3	..	0	6	0	0	6	0	1	0	0	0
DEHRA DUN	35.4	-0.8	39.3	21	19.4	-2.1	14.2	15	9.4	11.8	- 24.0	4.1	22	2	- 1.0	5.6	4.6	+0.5	0	4	0	0	5	0	0	0	0	0
MANSIARI	22.0	..	26.1	31	11.0	..	6.9	05	..	49.6	..	15.0	26	5	..	..	..	..	1	9	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - MAY (1967 ASAKHA - JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST (CONTD.)																												
ROORKEE	38.9	-0.5	43.5	21	20.6	-3.0	17.0	06	18.3	18.3	- 0.2	15.2	14	2	+ 0.3	11.4	7.6	+0.4	0	2	0	1	2	0	0	0	0	0
NAJIBABAD	38.9	-0.4	43.9	23	21.6	-1.3	17.6	03	0.0	13.8	- 2.7	11.4	13	1	- 0.2	9.4	7.6	+1.2	0	2	0	0	3	0	0	0	0	0
MEERUT	39.2	-0.8	45.0	21	21.6	-3.2	18.5	14	..	2.0	- 13.2	2.0	13	0	- 1.6	..	7.6	-1.0	0	1	0	1	0	0	0	0	0	0
BAREILLY	40.5	0.0	44.0	20	24.8	-1.0	20.6	06	0.5	13.7	- 1.5	12.0	14	1	- 0.4	15.8	10.3	+3.6	0	2	0	1	2	0	2	0	0	0
ALIGARH	40.6	-0.6	45.1	21	23.8	-2.5	19.4	05	0.0	0.0	- 12.9	0.0	..	0	- 1.3	13.5	8.8	0.0	0	0	0	0	1	0	1	0	0	0
MAINPURI	42.0	-0.2	45.6	11	23.6	-2.6	18.4	05	2.5	2.5	- 10.2	2.5	14	1	- 0.3	..	..	..	0	1	0	1	1	0	2	0	0	0
AGRA	41.8	0.0	46.5	21	26.2	-1.0	22.0	03	0.0	2.0	- 7.1	2.0	25	0	- 1.0	..	..	..	0	1	0	0	0	0	1	0	0	0
AGRA AERODROME	42.1	..	46.6	21	23.1	..	..	..	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	3	0	4	0	0	0
ORAI	41.9	-0.7	45.4	20	26.5	-0.6	23.4	06	0.0	0.0	- 5.8	0.0	..	0	- 0.7	..	..	..	0	0	0	0	0	0	1	0	0	0
JHANSI	42.5	-0.1	46.0	21	27.1	-1.7	22.2	06	0.0	0.0	- 8.4	0.0	..	0	- 0.8	7.9	7.7	+0.6	0	0	0	0	0	0	0	0	0	0
HARYANA (INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	36.8	-1.5	43.1	21	23.4	-0.2	19.0	06	0.0	4.0	- 9.1	4.0	13	1	- 0.4	..	..	..	0	1	0	0	2	0	0	0	0	0
AMBALA	38.9	-1.9	44.6	21	22.8	-2.1	17.4	16	0.0	0.0	- 19.3	0.0	..	0	- 1.6	11.1	7.1	-0.9	0	0	0	0	0	0	0	0	0	0
AMBALA AERODROME	39.2	..	43.9	21	22.1	..	16.7	05	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	6	0	1	0	0	0
KARNAL	38.5	-1.2	44.4	21	23.0	-1.2	18.8	12	4.9	4.9	- 2.3	4.9	14	1	+ 0.2	..	..	..	0	1	0	0	1	0	3	0	0	0
HISSAR	41.7	+0.1	46.2	21	24.1	-0.5	18.7	04	0.0	22.6	+ 9.7	22.6	25	1	- 0.3	9.4	8.6	+0.1	0	1	0	0	2	0	2	0	0	0
NEW DELHI/SAFDARJUNG	39.2	-1.3	44.2	21	23.0	-3.6	21.4	06	0.0	0.0	- 9.7	0.0	..	0	- 1.3	20.0	13.7	+0.8	0	0	0	0	0	0	1	0	0	0
PALAM AERODROME	40.3	..	45.6	21	23.0	..	18.5	07	1.2	1.8	..	- 1.2	14	0	..	..	..	..	0	0	0	1	2	0	1	0	0	0
PUNJAB																												
PATHANKOT	37.6	-1.2	44.3	21	21.0	-2.2	14.9	02	0.0	1.0	- 16.1	0.5	25	0	- 1.4	..	..	..	0	0	0	0	6	0	2	1	0	0
AMRITSAR	38.3	-0.6	43.9	21	20.4	-1.0	16.4	02	0.0	4.8	- 4.8	4.8	25	1	- 0.2	..	..	..	0	1	0	0	7	0	3	0	0	0
ADAMPUR AERODROME	38.2	..	44.6	21	18.7	..	13.9	02	0.0	3.5	..	2.5	13	1	..	..	..	..	0	2	0	0	5	0	1	0	0	0
LUDHIANA	39.4	-1.8	43.6	11	21.9	-2.3	18.2	05	0.0	9.8	- 3.1	9.8	26	1	- 0.5	8.2	4.6	-0.2	0	1	0	0	2	0	0	0	0	0
FEROZEPUR	38.5	-1.0	44.6	21	20.0	-2.4	15.6	05	0.0	0.0	- 6.1	0.0	..	0	- 0.5	5.4	4.1	+0.6	0	0	0	0	0	0	1	0	0	0
HALWARA AERODROME	38.3	..	44.3	21	19.4	..	13.9	05	0.0	5.3	..	3.8	25	1	..	..	..	..	0	1	0	1	3	0	3	0	0	0
PATIALA	38.7	-1.5	44.9	21	22.5	-1.5	16.7	05	8.1	8.1	- 5.9	6.0	26	1	- 0.4	15.5	8.9	-0.9	0	2	0	0	4	0	1	0	0	0
BHATINDA	39.3	-0.8	45.4	21	21.4	-1.3	16.0	05	0.0	0.0	- 10.3	0.0	..	0	- 1.0	7.6	4.6	-1.0	0	0	0	0	0	0	0	0	0	0
HIMACHAL PRADESH																												
MANDI	35.6	+0.8	41.1	22	22.0	+4.7	18.6	06	15.2	18.8	- 26.9	5.1	23	4	+ 0.3	..	..	..	0	8	0	1	8	0	0	0	0	0
BILASPUR	35.5	-1.8	41.2	21	19.3	-0.2	13.3	06	0.0	0.0	- 23.8	0.0	..	0	- 2.1	..	..	..	0	0	0	0	5	0	0	0	0	0
JAMMU AND KASHMIR																												
MISGAR	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GILGIT	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SKARDU	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DRAS	..	..	..	..	..	..	..	..	..	40.8	- 22.4	21.0	11	2	- 3.4	..	..	..	0	6	0	0	0	0	0	0	0	0
SONAMARG	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
LEH	14.9	-2.2	19.9	21	1.3	-1.5	-3.1	13	9.2	13.4	+ 8.1	9.2	24	2	+ 1.4	10.3	7.6	+0.8	1	2	1	0	0	0	0	0	0	0
SRINAGAR	22.9	-1.7	30.5	20	9.6	-1.6	6.3	05	15.4	46.3	- 13.4	9.6	05	7	+ 1.4	5.9	5.8	+1.5	0	12	0	1	12	0	0	0	0	0
SRINAGAR AERODROME	21.9	..	29.4	21	8.8	..	5.3	14	..	..	..	..	..	..	..	..	..	..	.	..	0	0	14	0	0	0	0	0
GULMARG	Functions only from June to September								..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
OAZIGUND	21.8	..	29.2	21	9.1	..	4.8	04	9.2	98.6	..	36.3	23	8	..	1.7	1.4	..	0	12	0	0	13	1	0	0	0	0
BANIHAL	24.4	..	31.3	21	10.8	..	5.5	04	25.1	61.7	..	22.8	23	5	..	..	..	..	0	5	0	0	10	0	0	0	0	0
JAMMU	37.9	-1.1	43.3	22	23.2	-2.6	17.8	26	0.0	7.6	- 15.5	3.4	23	1	- 1.1	..	..	..	0	3	0	0	3	0	0	0	0	0
JAMMU AERODROME	36.9	..	43.0	21	22.5	..	18.0	26	0.0	2.1	..	1.3	23	0	..	..	..	..	0	3	0	1	6	0	0	0	0	0
GULMARG (RESEARCH INSTITUTE)	13.6	..	21.6	21	1.6	..	- 1.2	02	33.0	127.6	..	32.8	25	10	..	..	..	..	0	17	0	4	11	7	0	0	0	0
RAJASTHAN, WEST																												
GANGANAGAR	40.3	-1.2	45.6	20	22.3	-1.7	18.3	05	0.0	0.0	- 15.8	0.0	..	0	- 1.7	6.2	4.0	-4.0	0	0	0	0	4	0	0	0	0	0
ANUPGARH	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MAHAJAN	41.9	..	47.6	20	..	..	..	..	..	..	..	..	..	..	..	14.2	10.3	..	.	..	..	..	..	..	..	.	..	.
CHURU	40.5	-0.6	45.8	20	23.3	-1.5	18.8	05	1.0	1.0	- 10.2	1.0	28	0	- 1.8	14.4	9.7	-0.9	0	1	0	0	2	0	0	0	0	0
BIKANER	41.0	+1.0	46.7	20	24.3	-2.9	20.5	14	0.0	0.0	- 12.9	0.0	..	0	- 1.1	11.9	9.1	-1.0	0	0	0	0	3	0	1	0	0	0
NAGAUR	41.2	+0.5	46.2	20	24.3	-1.6	19.3	04	0.0	0.0	- 3.9	0.0	..	0	- 0.3	10.2	10.7	-1.6	0	0	0	0	0	0	2	0	0	0
PHALODI	41.2	-0.4	45.6	20	25.2	-1.4	21.0	06	0.0	20.8	+ 11.1	20.8	28	1	+ 0.2	18.4	15.7	-5.0	0	1	0	0	1	0	8	0	0	0
JAISALMER	41.2	-0.4	46.0	19	18.5	-7.3	15.1	14	10.8	10.8	+ 6.9	10.8	24	1	+ 0.4	17.0	14.5	-3.8	0	1	0	0	0	0	0	0	0	0
JODHPUR	41.7	+0.1	45.3	20	25.0	-2.3	..	..	0.0	13.2	+ 3.5	13.2	24	1	0.0	7.0	7.3	-7.7	0	1	0	1	1	0	1	0	2	0
BARMER	43.1	+1.2	47.2	19	27.3	+0.5	24.3	05	0.0	0.0	- 9.7	0.0	..	0	- 0.6	5.6	5.7	-7.2	0	0	0	0	0	0	0	0	0	0
BHINPURA (JAWAI DAM)	40.1	-0.1	43.5	20	25.6	-0.6	20.3	14	0.0	0.0	- 4.0	0.0	..	0	- 0.4	8.6	7.1	-3.4	0	0	0	0	0	0	0	0	0	0
RAJASTHAN, EAST																												
PILANI	39.9	-0.8	45.0	21	22.9	-1.4	18.5	07	1.8	5.6	- 7.4	5.6	25	1	0.0	14.3	12.0	-1.6	0	1	0	0	0	0	2	0	0	0
SIKAR	39.4	-0.3	44.1	20	22.1	-2.2	18.1	05	0.0	2.7	- 9.4	2.7	28	1	+ 0.1	9.8	5.7	-3.7	0	1	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - MAY 1967 (SAKA - JYAISTHA 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
RAJASTHAN, EAST (CONTD.)																												
ALWAR	40.9	-0.4	45.9	21	27.1	-0.5	22.2	05	0.0	0.0	- 15.4	0.0	..	0	- 2.0	8.5	6.2	..	0	0	0	0	0	0	0	0	0	0
JAIPUR (SANGANER)	40.5	-0.1	44.8	21	24.9	-0.9	20.7	04	3.5	3.5	- 9.7	2.7	29	1	- 0.5	..	..	..	0	2	0	0	3	0	1	0	0	0
DHOLPUR	42.4	0.0	46.5	21	25.3	-2.1	21.2	05	0.0	0.0	- 10.6	0.0	..	0	- 1.2	13.5	7.7	0.0	0	0	0	0	0	0	0	0	0	0
AJMER	39.7	+0.2	43.7	20	24.8	-2.5	20.1	06	0.0	0.0	- 16.0	0.0	..	0	- 1.4	15.1	11.2	-1.9	0	0	0	0	1	0	0	0	0	0
TONK	41.2	-0.6	45.9	21	26.2	+0.1	20.4	12	5.4	6.4	- 5.5	5.2	28	1	0.0	12.6	10.2	-0.1	0	2	0	0	0	0	0	0	0	0
BHILWARA	40.3	..	44.6	21	24.6	..	22.2	16	0.0	0.0	..	0.0	..	0	..	9.7	7.8	..	0	0	0	0	0	0	1	0	0	0
KOTA	41.9	-0.7	45.6	22	25.4	-4.3	22.0	06	0.0	0.0	- 10.9	0.0	..	0	- 1.0	10.8	8.3	+0.1	0	0	0	0	0	0	0	0	0	0
KOTA AERODROME	42.1	..	46.6	20	28.4	..	24.4	06	0.0	0.0	..	0.0	..	0	..	16.5	14.1	..	0	0	0	0	0	0	1	0	0	0
CHAMBAL (RAWAT BHATTA DAM)	40.9	-0.8	44.4	21	26.0	-0.6	21.6	06	0.0	0.0	- 11.9	0.0	..	0	- 1.2	18.7	9.4	-0.7	0	0	0	0	0	0	0	0	0	0
UDAIPUR	38.4	-0.2	41.1	20	22.7	-2.2	18.2	05	4.0	4.0	- 11.7	4.0	17	1	- 0.4	6.2	3.7	-2.6	0	1	0	0	3	0	0	0	0	0
JHALAWAR	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BANSWARA	41.6	..	44.2	20	26.4	..	23.9	01	0.0	0.0	..	0.0	..	0	..	13.1	10.2	..	0	0	0	0	0	0	0	0	0	0
MADHYA PRADESH, WEST																												
GWALIOR	42.0	-0.6	46.4	20	26.4	-1.6	20.5	06	0.0	0.0	- 6.8	0.0	..	0	- 0.9	14.6	9.8	+2.0	0	0	0	0	0	0	2	0	0	0
SHEOPUR	41.9	-0.5	46.3	20	26.0	-0.8	21.0	06	0.0	0.0	- 10.0	0.0	..	0	- 0.6	13.1	9.5	0.0	0	0	0	0	0	0	3	0	0	0
SHIVPURI	40.2	..	43.8	22	22.6	..	16.7	06	0.0	0.0	..	0.0	..	0	..	13.9	8.3	..	0	0	0	0	0	0	0	0	0	0
NOWGONG	42.2	-0.5	46.3	22	24.8	-1.6	19.4	05	0.0	0.0	- 9.1	0.0	..	0	- 0.9	8.1	4.8	-1.2	0	0	0	0	1	0	0	0	0	0
GUNA	41.8	+0.3	45.2	21	24.2	-1.6	18.3	06	0.0	0.0	- 10.9	0.0	..	0	- 0.9	16.1	11.1	+0.7	0	0	0	0	0	0	0	0	0	0
NIMACH	39.9	-0.1	43.1	20	25.0	-1.1	20.8	01	0.0	0.0	- 14.5	0.0	..	0	- 1.2	14.9	12.3	-1.6	0	0	0	0	0	0	0	0	0	0
RAJGARH	42.3	-0.1	45.7	21	26.1	-0.9	20.7	05	1.6	1.6	- 11.7	1.6	30	0	- 1.1	14.5	12.7	+0.2	0	1	0	0	0	0	0	0	0	0
SAGAR	42.7	+2.0	45.9	25	26.7	-0.3	19.5	09	0.0	0.0	- 9.9	0.0	..	0	- 1.1	7.0	6.6	-3.5	0	0	0	0	0	0	0	0	0	0
RATLAM	41.3	+1.8	43.3	13	23.9	-2.0	19.3	05	5.2	5.2	- 5.4	5.2	29	1	+ 0.1	15.3	11.3	+0.4	0	1	0	0	1	0	0	0	0	0
BHOPAL (BAIRAGARH)	41.1	+0.4	44.0	21	24.5	-1.9	18.8	05	0.0	0.0	- 10.2	0.0	..	0	- 0.8	18.0	15.1	+3.2	0	0	0	0	0	0	0	0	0	0
UJJAIN	39.8	..	42.2	11	22.7	..	18.6	06	0.0	0.0	..	0.0	..	0	..	18.1	14.3	..	0	0	0	0	0	0	0	0	0	0
NARSINGHPUR	42.9	..	45.6	22	25.6	..	19.0	05	0.0	0.0	..	0.0	..	0	..	10.5	6.4	..	0	0	0	0	0	0	0	0	0	0
HOSHANGABAD	42.5	+0.5	45.5	21	27.0	-0.6	21.8	06	0.0	0.0	- 11.4	0.0	..	0	- 1.1	7.9	7.1	+0.7	0	0	0	0	0	0	0	0	0	0
INDORE	40.3	+0.4	43.0	11	23.5	-1.3	18.7	06	0.4	0.5	- 12.2	0.5	29	0	- 1.3	23.9	20.3	-4.1	0	1	0	0	1	0	0	0	0	0
RAJPUR (JHABUA)	40.2	+0.5	43.2	09	..	..	..	..	0.0	0.0	- 11.4	0.0	..	0	- 0.3	18.5	14.9	+1.4	0	0	0	0	0	0	0	0	0	0
CHHINDWARA	39.9	+0.5	43.0	22	25.1	-1.0	20.5	07	0.0	0.0	- 15.2	0.0	..	0	- 1.2	12.7	7.7	+0.1	0	0	0	0	1	0	0	0	0	0
SEONI	40.7	+0.3	43.7	22	24.8	-0.7	21.3	07	22.0	29.8	+ 6.4	29.8	16	1	- 1.1	11.6	7.4	+0.4	0	1	0	0	3	0	0	0	0	0
BETUL	40.1	+0.8	42.8	11	23.3	-1.5	18.0	06	0.0	2.5	- 7.8	2.5	31	1	0.0	9.5	6.2	-0.9	0	1	0	0	0	0	1	0	0	0
KHANDWA	41.4	-0.5	44.4	10	27.2	-0.7	23.0	03	0.0	0.0	- 8.1	0.0	..	0	- 0.7	18.5	13.4	-0.7	0	0	0	0	0	0	0	0	0	0
MADHYA PRADESH, EAST																												
SATNA	42.1	0.0	45.8	21	26.6	-0.3	22.4	06	0.0	0.0	- 12.5	0.0	..	0	- 1.2	10.1	7.5	+0.1	0	0	0	0	0	0	0	0	0	0
REWA	41.7	..	45.6	12	24.8	..	21.4	05	0.0	0.0	..	0.0	..	0	..	8.4	4.8	..	0	0	0	0	0	0	0	0	0	0
SIDHI	42.1	+0.1	46.0	21	25.1	-0.7	21.4	03	8.0	8.0	+ 4.9	8.0	16	1	+ 0.4	9.1	5.5	-1.7	0	1	0	0	0	0	0	0	0	0
UMARIA	41.9	+0.5	45.1	22	26.6	+0.1	22.1	03	0.1	0.1	- 9.8	0.1	17	0	- 1.0	11.1	6.8	+1.0	1	0	0	0	2	0	1	0	0	0
JABALPUR	42.2	+0.3	45.5	22	26.0	+0.1	20.7	06	0.0	1.2	- 13.3	1.2	01	0	- 1.4	10.1	6.2	-0.9	0	1	0	0	0	0	0	0	0	0
AMBIKAPUR	39.6	0.0	43.7	21	24.8	0.0	20.7	07	0.0	3.6	- 11.2	2.0	15	0	- 1.5	14.6	10.3	+0.6	0	2	0	0	1	0	2	0	0	0
JASHPURNAGAR	37.6	..	41.4	22	22.2	..	18.7	18	8.2	9.7	..	6.8	18	1	..	11.6	6.8	..	0	4	0	0	0	0	0	0	0	0
PENDRA	38.8	-0.5	42.5	22	25.6	-0.5	18.3	17	27.0	36.5	+ 12.4	17.8	17	3	+ 0.8	11.8	8.7	-0.6	0	5	0	1	6	0	0	0	1	0
MANDLA	41.3	0.0	44.8	22	23.1	-1.2	16.6	06	0.0	0.0	- 7.7	0.0	..	0	- 0.9	10.5	5.8	+0.9	0	0	0	0	3	0	0	0	0	0
CHAMPA	42.7	-0.3	47.2	22	26.1	-2.8	21.9	06	0.0	21.8	+ 9.6	8.8	15	3	+ 1.7	10.5	7.5	+0.8	0	3	0	0	5	0	0	0	0	0
RAIGARH	42.7	-0.1	46.6	22	26.4	-2.5	20.7	16	0.0	27.8	+ 14.1	17.2	15	3	+ 1.3	7.3	6.0	-0.3	0	3	0	0	3	0	3	0	0	0
RAIPUR	42.0	-0.3	46.9	22	27.4	-1.4	22.7	17	0.2	22.8	+ 1.5	10.6	14	2	+ 0.1	11.4	9.0	-1.7	1	3	0	0	3	0	0	0	0	0
KANKER	40.5	+0.2	43.8	23	27.9	+0.7	23.6	02	1.2	3.3	- 20.8	3.3	17	1	- 0.9	9.6	8.5	+0.2	0	1	0	0	3	0	0	0	0	0
JAGDALPUR	39.5	+1.2	42.6	22	25.6	+1.0	20.5	17	8.9	11.3	- 49.2	9.8	17	1	- 3.8	..	..	..	1	3	0	0	4	0	0	0	2	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DEESA	41.6	+0.3	44.0	19	..	..	..	..	0.0	0.0	- 9.4	0.0	..	0	- 0.6	11.8	9.5	..	0	0	0	0	0	0	0	0	0	0
RADHANPUR	41.8	+0.1	44.9	18	..	..	..	..	0.0	0.0	0.0	0.0	..	0	0.0	11.5	9.1	-1.5	0	0	0	0	0	0	0	0	0	0
IDAR	40.1	-0.5	42.7	16	25.2	-0.6	21.7	01	0.0	0.0	- 2.5	0.0	..	0	- 0.3	12.2	9.7	-0.5	0	0	0	0	0	0	0	0	0	0
AHMADABAD	42.5	+1.8	45.0	20	26.1	-0.2	23.4	06	0.0	0.0	- 9.9	0.0	..	0	- 0.7	9.3	8.0	-1.5	0	0	0	0	0	0	0	0	0	0
DOHAD	40.8	+1.4	43.5	15	26.3	+0.3	22.9	06	0.0	0.0	- 9.7	0.0	..	0	- 0.4	22.2	..	..	0	0	0	0	0	0	0	0	0	0
VALLABH VIDYANAGAR	41.4	..	45.6	11	24.5	..	20.2	07	0.0	0.0	..	0.0	..	0	..	9.2	8.4	..	0	0	0	0	0	0	0	0	0	0
BARODA AERODROME	41.2	+0.6	44.0	09	25.7	-1.1	21.7	08	0.0	0.0	- 3.7	0.0	..	0	- 0.2	9.9	10.2	-1.9	0	0	0	0	0	0	0	0	0	0
BARODA	41.8	+1.1	44.8	09	26.3	+0.2	23.1	08	0.0	0.0	- 4.1	0.0	..	0	- 0.1	8.9	8.6	0.0	0	0	0	0	0	0	0	0	0	0
BROACH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7.8	6.1	-5.2	..	..	0	0	1	0	0	0	0	0
SURAT	36.9	+0.7	43.0	10	25.9	-0.7	23.1	05	0.0	0.0	- 7.1	0.0	..	0	- 0.3	16.0	12.0	+1.0	0	0	0	0	0	0	0	0	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																												
NALIYA	35.1	-0.1	40.6	14	23.3	-1.5	18.5	07	0.0	0.0	0.0	0.0	..	0	0.0	23.0	16.4	-1.2	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - MAY 1967 (SAKHA - JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
SURASHTRA AND KUTCH (INCLUDING DIU) (CONTD.)																												
BHUJ (RUDRAMATA)	40.1	+1.4	44.8	16	25.4	-0.2	23.2	01	0.0	0.0	- 7.4	0.0	..	0	- 0.2	21.5	18.6	+1.0	0	0	0	0	0	0	0	0	0	0
KANDLA AERODROME	40.7	..	45.1	19	25.4	..	22.3	09	0.0	0.0	..	0.0	..	0	..	28.7	24.8	..	0	0	0	0	1	0	0	0	0	0
NEW KANDLA	35.9	-0.2	41.9	15	25.6	-0.5	22.8	04	0.0	0.0	0.0	0.0	..	0	0.0	29.4	25.7	0.0	0	0	0	0	1	0	0	0	0	0
MANDVI	32.9	+0.2	40.5	08	25.5	-0.7	21.9	01	0.0	0.0	0.0	0.0	..	0	0.0	30.9	27.3	-2.8	0	0	0	0	0	0	0	0	0	0
SURENDRANAGAR	42.0	+0.2	44.7	15	26.2	+0.1	24.5	05	0.0 b	0.0	- 5.1 b	0.0	..	15	+14.6	1.6	35.2	+6.9	0	0	0	0	0	0	0	0	0	0
OKHA	31.7	..	34.0	17	26.5	..	25.0	12	0.0	0.0	..	0.0	..	0	..	27.5	24.8	..	0	0	0	0	0	0	0	0	0	0
JAMNAGAR AERODROME	36.9	+0.8	42.5	15	24.1	-1.3	18.7	05	0.0	0.0	- 6.1	0.0	..	0	- 0.3	..	..	..	0	0	0	0	0	0	0	0	0	0
DWARKA	31.6	+0.4	33.1	15	26.9	-0.1	25.6	01	0.0	0.0	- 0.8	0.0	..	0	0.0	21.1	19.7	-0.3	0	0	0	0	0	0	0	0	0	0
RAJKOT	41.0	+0.5	44.5	16	23.8	-0.9	19.7	05	0.0	0.0	- 2.5	0.0	..	0	- 0.3	29.1	27.3	+1.1	0	0	0	0	1	0	0	0	0	0
BHAUNAGAR AERODROME	39.8	+0.2	43.3	20	26.0	0.0	21.9	05	0.0	0.0	- 1.4	0.0	..	0	- 0.2	24.7	23.2	+9.3	0	0	0	0	0	0	0	2	2	0
PORBANDER AERODROME	33.7	+1.4	40.5	08	25.0	-1.5	20.7	05	0.0	0.0	- 0.1	0.0	..	0	0.0	22.3	16.1	..	0	0	0	0	0	0	0	0	0	0
KESHOD	38.4	+0.6	43.4	09	23.8	-1.2	18.4	05	0.0	0.0	- 0.2	0.0	..	0	0.0	26.7	22.4	+0.8	0	0	0	0	0	0	0	0	0	0
MAHUVA	35.2	..	40.0	03	22.7	..	19.3	01	0.0	0.0	0.0	0.0	..	0	0.0	13.5	13.3	..	0	0	0	0	0	0	0	0	0	0
VERAVAL	32.3	+1.2	38.8	08	24.7	-1.2	20.4	05	0.0	0.0	- 7.9	0.0	..	0	- 0.3	23.7	20.8	+3.5	0	0	0	0	0	2	0	0	0	0
DIU	33.5	..	39.5	01	25.1	..	21.1	05	0.0	0.0	..	0.0	..	0	..	24.6	17.8	..	0	0	0	0	0	0	0	0	0	0
KONKAN (INCLUDING GOA)																												
DAHANU	33.4	+0.5	35.2	16	27.7	+0.9	23.5	06	..	..	..	..	..	..	..	10.7 b	8.3	-8.2	.	..	..	..	..	..	..	.	..	.
BOMBAY (SANTACRUZ)	33.9	+0.7	38.1	03	26.1	-0.1	23.2	07	0.0	0.0	- 20.4	0.0	..	0	- 1.4	18.3	11.9	-0.9	0	0	0	0	0	0	0	0	0	0
BOMBAY	33.5	+0.2	34.4	23	26.9	0.0	24.5	06	0.0	0.0	- 18.3	0.0	..	0	- 0.8	13.8	10.6	+0.6	0	0	0	0	0	0	0	0	0	0
ALIBAG	32.8	+1.0	34.9	21	26.6	+0.2	22.9	06	0.0	0.0	- 17.8	0.0	..	0	- 0.9	.	14.3	+1.3	0	0	0	0	0	0	0	0	0	0
BHIRA	40.2	..	44.5	02	25.6	..	20.5	06	0.6	7.6	..	3.8	17	2	..	6.1	3.5	..	0	3	0	0	3	0	0	0	0	0
HARNAI	30.8	+0.1	32.7	03	27.1	-0.1	23.4	19	1.6	2.6	- 41.4	1.6	17	0	- 2.7	23.5	19.5	+3.0	0	2	0	0	1	0	0	0	0	0
RATNAGIRI	32.9	+0.2	34.1	15	26.7	-0.1	24.2	17	0.0	10.2	- 20.5	6.8	15	2	+ 0.3	16.4	10.7	..	0	2	0	0	0	0	0	0	0	0
DEVGARH	33.0	+0.4	34.2	24	26.1	-1.1	24.0	17	0.0	1.0	- 52.1	1.0	16	0	- 3.1	21.5	17.5	-0.1	0	1	0	0	2	0	0	0	0	0
VENGURLA	33.2	+0.6	36.2	28	25.7	-0.2	22.4	01	2.4	37.8	- 47.3	33.8	01	2	- 2.3	15.1	8.5	..	0	2	0	0	3	0	0	0	0	0
PANJIM	33.4	..	35.3	03	26.6	..	22.1	16	8.0	36.3	..	36.0	16	1	..	16.6	11.7	..	2	1	0	0	2	0	0	0	0	0
MORMUGAO	32.0	+0.7	33.1	03	27.1	+0.2	22.1	16	11.8	21.8	- 37.2	21.8	16	1	- 1.4	..	..	..	0	1	0	0	2	0	0	0	0	0
DABOLIM (NAVAL AIR STN.)	32.9	..	34.6	26	27.4	..	22.7	16	24.0	30.0	..	30.0	16	1	..	..	..	..	0	1	0	0	2	0	0	0	0	0
MADHYA MAHARASHTRA																												
NANDURBAR	41.5	+0.8	45.0	10	26.3	-0.4	22.3	06	0.0	0.0	- 17.7	0.0	..	0	- 1.1	14.5	14.1	+1.2	0	0	0	0	0	0	0	0	0	0
JALGAON	43.7	+1.1	46.7	10	27.3	+0.1	22.0	24	0.0	0.0	- 10.6	0.0	..	0	- 0.9	23.8	22.4	+0.8	0	0	0	0	0	0	0	0	0	0
MALEGAON	41.8	+1.1	44.4	13	23.5	-0.8	18.1	06	0.0	0.0	- 17.8	0.0	..	0	- 1.1	14.8	13.1	+1.1	0	0	0	0	0	0	0	0	0	0
DZAR	38.9	..	42.2	09	21.0	..	15.5	06	0.0	0.0	..	0.0	..	0	..	22.3	18.5	..	0	0	0	0	0	0	0	0	0	0
AHMADNAGAR	41.2	+2.1	43.9	11	23.1	0.0	17.7	05	0.0	2.0	- 18.8	2.0	30	0	- 1.6	13.8	10.0	-0.2	0	1	0	0	0	0	0	0	0	0
KHANDALA	..	..	..	..	..	..	..	..	0.0	0.0	- 20.9	0.0	..	0	- 2.0	..	..	..	0	0	..	..	..	..	..	.	..	.
POONA AERODROME	38.9	..	43.3	10	22.3	..	18.2	05	1.5	3.5	..	2.9	17	1	..	..	..	..	0	2	0	0	6	0	0	0	2	0
POONA	38.4	+1.7	43.0	10	22.4	0.0	16.2	05	28.8	31.6	+ 4.2	15.8	31	2	+ 0.2	12.6	10.1	..	0	2	0	0	5	0	0	0	1	0
JEUR	40.2	+0.5	42.8	10	24.1	-0.1	20.8	05	0.0	9.4	- 34.5	5.6	14	1	- 1.7	13.5	14.5	+0.1	0	3	0	0	2	0	0	0	0	0
BARAMATI	39.8	+1.1	43.5	11	23.6	-0.1	19.3	05	8.2	52.4	+ 10.9	39.0	15	3	+ 0.4	15.3	13.0	-1.4	0	3	0	0	1	0	0	0	0	0
SHOLAPUR	41.5	+1.1	43.7	10	25.6	+0.1	22.0	17	0.0	0.8	- 21.5	0.8	01	0	- 1.9	12.9	11.3	-0.6	0	1	0	0	1	0	0	0	0	0
MIRAJ	38.3	+0.9	41.8	10	22.6	-0.1	20.3	07	1.6	17.8	- 38.6	9.2	16	2	- 1.4	..	..	..	0	4	0	0	5	0	0	0	0	0
KOLHAPUR	37.4	+1.7	41.0	03	22.3	-0.2	19.1	06	6.2	19.6	- 58.6	10.2	15	2	- 2.5	15.9	14.1	-1.0	0	3	0	0	5	0	1	0	0	0
UDGIRI	Closed from 1st May 1967.																											
MARATHWADA																												
AURANGABAD	40.7	+0.9	43.2	10	25.4	+0.4	20.6	05	0.1	0.1	- 16.7	0.1	29	0	- 1.2	14.9	15.7	-1.4	1	0	0	0	0	0	0	0	0	0
AURANGABAD (CHIKALTHAN)	40.3	+1.1	42.6	11	23.3	-0.1	18.2	05	0.0	0.0	- 24.2	0.0	..	0	- 1.9	19.6	16.6	-0.7	0	0	0	0	1	0	0	0	0	0
PARBHANI	42.2	+0.5	45.3	10	26.0	-0.7	22.0	05	0.0	9.2	- 9.6	7.8	14	1	- 0.4	11.6	10.0	-2.6	0	2	0	0	1	0	0	0	0	0
NANDER	42.5	..	45.8	12	25.3	..	20.0	06	..	..	..	..	..	..	..	6.1	8.1	..	.	..	0	0	0	0	0	0	0	0
BIR	41.5	..	44.7	10	25.0	..	19.4	05	0.0	12.8	..	8.2	15	2	..	12.2	8.7	..	0	2	0	0	0	0	0	0	0	0
VIDARBHA																												
GONDIA	42.2	+0.1	46.5	22	27.8	-1.1	23.3	15	0.0	0.4	- 5.7	0.4	15	0	- 0.7	6.8	4.5	-1.1	0	1	0	0	1	0	0	0	0	0
NAGPUR (SONEGAON)	42.8	0.0	46.1	21	27.3	-1.1	21.8	03	0.4	4.4	- 16.4	3.7	01	1	- 1.1	16.6	14.6	+1.1	0	3	0	0	4	0	0	0	4	0
AMRAOTI	42.6	+0.4	45.4	21	27.8	0.0	22.5	06	0.0	0.0	- 15.2	0.0	..	0	- 1.2	17.4	13.4	+1.1	0	0	0	0	0	0	0	0	0	0
AKOLA AERODROME	43.2	..	45.5	21	24.4	..	20.7	07	0.0	0.0	..	0.0	..	0	..	15.5 a	12.8	..	0	0	0	0	1	0	0	0	0	0
AKOLA	42.7	+0.3	45.6	10	27.7	-0.4	23.7	08	0.0	0.0	- 10.7	0.0	..	0	- 1.1	11.3	8.3 b	-5.2	0	0	0	0	0	0	0	0	0	0
BRAHMAPURI	42.6	+0.5	46.4	21	26.5	+0.1	21.3	06	0.0	0.0	- 24.8	0.0	..	0	- 1.9	11.7	8.5	+0.8	0	0	0	0	0	0	0	0	0	0
BULDANA	39.2	+0.9	41.9	10	26.9	+0.7	24.0	24	0.0	0.0	- 18.1	0.0	..	0	- 1.7	12.9	13.2	-1.8	0	0	0	0	0	0	0	0	0	0
YEOTMAL	42.5	+0.7	45.5	20	28.0	-0.3	23.4	07	0.0	0.0	- 12.8	0.0	..	0	- 1.0	18.5	17.0	+1.5	0	0	0	0	3	0	1	0	0	0
CHANDRAPUR	42.8	0.0	46.0	23	27.7	-0.6	22.8	06	0.0	2.7	- 11.0	1.8	01	0	- 1.3	13.0	8.7	+1.4	0	3	0	0	4	0	0	0	0	0
PUSAD	42.7	..	45.4	21	27.5	..	22.4	07	17.4	17.4	..	17.4	11	1	..	9.2	7.1	..	0	1	0	0	0	0	0	0	0	0
SIRONCHA	42.5	+0.4	46.2	23	28.4	-0.9	25.2	17	0.0	0.0	- 16.5	0.0	..	0	- 1.3	9.1	6.4	-0.7	0	0	0	0	0	0	0	0	0	0

TABLE II – SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – MAY 1967 AISAKHA – JYAISTHA, 1889 SAKA

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena – No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
VIDARBHA (CONTD.)																												
WARDHA	43.5	..	46.9	31	27.6	..	22.0	06	0.0	0.0	..	0.0	..	0	..	11.3	10.3	..	0	0	0	0	0	0	0	0	0	0
BHANDARA	42.4	..	47.2	22	26.8	..	21.9	07	0.0	0.0	..	0.0	..	0	..	5.0	3.5	..	0	0	..	..	..	..	..	..	..	..
COASTAL ANDHRA PRADESH																												
KALINGAPATAM	35.1	+1.2	37.1	28	26.9	-0.5	25.4	18	0.0	0.0	- 54.6	..	..	0	- 2.9	20.9	14.9	-2.1	0	0	0	0	2	0	0	0	0	0
VISHAKHAPATNAM	36.6	+2.6	41.4	27	27.8	0.0	23.2	17	0.0	7.5	- 40.8	6.6	17	1	- 1.6	27.1	15.1	-0.8	1	2	0	0	5	0	0	0	2	0
KAKINADA	38.3	+1.4	45.1	28	28.3	+0.6	25.4	17	0.0	0.0	- 42.4	..	..	0	- 2.7	12.7	9.2	-1.9	0	0	0	0	0	0	0	0	0	0
NIDADAVOLE	39.4	+1.1	45.2	24	26.9	0.0	24.2	18	0.0	0.0	- 50.2	..	..	0	- 2.4	9.5	6.3	-1.5	0	0	0	0	0	0	0	0	0	0
RENTACHINTALA	41.9	+0.4	46.0	29	29.2	+0.6	23.4	17	0.0	6.4	- 29.9	6.4	17	1	- 1.5	10.9	9.6	-0.8	0	1	0	0	1	0	0	0	0	0
GANNAVARAM	39.9	+0.2	45.3	27	27.1	-0.6	22.5	17	0.0	32.4	- 2.3	27.2	17	2	- 1.1	17.5	12.6	-2.9	0	2	0	0	3	0	0	0	0	0
MASULIPATAM	36.7	+0.2	44.3	28	26.7	-1.3	22.6	17	0.0	12.0	- 27.1	12.0	17	1	- 1.2	5.8	4.1	-9.7	0	1	0	0	2	0	0	0	0	0
ONGOLE	39.5	+1.3	45.6	28	28.5	+0.5	24.0	17	0.0	0.0	- 62.6	..	..	0	- 2.4	12.1	9.3	-1.0	0	0	0	0	0	0	0	0	0	0
NELLORE	35.8	-3.8	44.9	28	27.6	-0.2	24.1	17	3.8	29.2	- 7.4	25.0	17	2	+ 0.4	11.5	10.6	+0.3	0	3	0	0	1	0	0	0	0	0
TELANGANA																												
RAMGUNDAM	42.7	-0.1	46.2	21	29.6	-0.1	27.6	11	0.0	0.0	- 33.8	..	..	0	- 2.2	10.4	8.0	-0.4	0	0	0	0	0	0	0	0	0	0
NIZAMABAD	42.3	+0.8	44.9	31	27.6	-0.1	23.2	06	0.0	0.0	- 17.8	..	..	0	- 1.5	12.3	7.9	+1.2	0	0	0	0	0	0	0	0	0	0
HANAMKONDA	40.6	-0.2	43.8	31	27.5	-0.6	23.3	16	0.0	0.0	- 29.2	..	..	0	- 1.9	..	..	..	0	0	0	0	0	0	0	0	0	0
HAKIMPET AERODROME	39.0	..	41.4	30	26.0	..	21.7	27	0.0	2.0	..	2.0	01	0	..	..	..	..	0	1	0	0	3	0	0	0	1	0
BHADRACHALLAM	41.6	+0.8	45.8	21	28.1	+0.1	23.0	16	0.0	10.2	- 15.2	10.2	17	1	- 1.3	..	..	..	0	1	0	0	0	0	0	0	0	0
HYDERABAD (BEGAMPET)	39.7	+1.0	42.4	23	25.8	-0.4	22.2	17	0.0	1.0	- 27.5	1.0	21	0	- 2.4	14.1	11.1	-1.3	0	1	0	0	1	0	0	0	4	0
KHAMMAM	41.3	0.0	45.3	22	28.3	+0.2	23.6	17	0.0	5.6	- 23.4	5.6	17	1	- 1.2	..	..	..	0	1	0	0	0	0	0	0	0	0
MAHBUBNAGAR	38.9	+0.5	42.6	30	26.7	+0.5	21.9	17	5.0	16.6	- 44.2	10.4	21	2	- 1.3	10.3	8.4	-2.9	0	4	0	0	3	0	1	0	0	0
RAYALASEEMA																												
KURNOOL	40.8	+0.8	44.8	31	26.9	-0.3	20.5	07	0.0	12.0	- 17.7	8.6	16	2	- 0.7	9.8	10.0	-3.4	0	2	0	0	0	0	0	0	0	0
NANDYL	41.0	..	44.6	30	25.8	..	21.0	16	0.0	9.3	..	8.0	16	1	..	11.9	9.6	..	0	2	0	0	1	0	0	0	0	0
ANANTAPUR	39.0	+0.9	41.3	30	26.7	+0.9	21.4	18	7.1	40.6	- 12.7	33.8	17	3	- 0.6	14.2	13.2	+1.0	1	3	0	0	5	0	0	0	0	0
CUDDAPAH	39.9	-0.4	43.4	29	28.5	-0.2	23.5	17	4.2	57.0	+ 18.4	39.0	17	3	+ 0.4	9.4	7.5	-1.2	0	3	0	0	0	0	0	0	0	0
AROGYAVARAM	35.2	+0.5	38.0	08	21.9	-1.6	18.2	16	14.0	83.0	+ 20.4	35.0	17	4	0.0	13.0	9.4	-0.5	0	4	0	0	0	0	0	0	0	0
MADRAS STATE (INCLUDING PONDICHERRY)																												
MADRAS	36.0	+0.4	41.5	30	27.3	-0.1	23.2	16	3.4	92.7	+ 21.9	73.4	16	4	+ 2.0	13.1	9.3	-0.4	0	4	0	0	3	0	0	0	0	0
MADRAS (MINAMBAKKAM)	37.4	-0.2	42.6	30	27.4	-0.4	23.0	16	1.2	50.8	+ 12.9	38.2	16	3	+ 1.7	16.6	13.2	+0.2	0	4	0	0	4	0	0	0	1	0
VELLORE	38.0	-0.4	42.0	29	25.9	-0.7	22.1	18	9.6	126.5	+ 58.4	83.8	18	3	- 0.8	9.8	7.8	-0.2	0	5	0	0	5	0	0	0	0	0
TAMBARAM AERODROME	39.1	..	44.0	29	27.1	..	22.8	16	11.3	119.2	..	81.0	16	4	..	..	..	..	5	5	0	4	0	0	0	0	0	0
TIRUPPATTUR	38.6	+2.1	42.3	28	22.2	-1.9	18.3	18	37.3	76.3	+ 11.1	58.8	16	2	- 2.0	5.8	5.6	+0.9	0	2	0	0	2	0	0	0	0	0
METTUR DAM R.S.	38.2	..	40.7	06	26.5	..	23.4	16	0.0	25.2	..	8.6	16	4	..	8.5	8.5	..	0	4	0	0	3	0	0	0	0	0
CUDDALORE	36.1	+0.4	41.6	27	26.7	-0.4	23.7	02	9.2	32.8	- 16.5	13.4	17	3	+ 1.3	13.7	11.5	-1.1	0	3	0	0	3	0	0	0	0	0
KALLAKKURICHCHI	39.1	+0.7	42.6	28	26.6	0.0	22.8	18	2.2	31.0	- 57.8	17.0	18	2	- 2.5	6.2	5.5	..	0	3	0	0	4	0	0	0	0	0
SALEM	37.4	+0.6	40.8	28	26.2	+0.7	21.7	16	18.4	57.0	- 49.4	23.8	16	5	- 1.5	8.5	7.5	-0.6	1	6	0	0	14	0	0	0	0	0
COIMBATORE (PITLAMEDU)	34.4	+0.5	37.6	03	23.9	+0.6	21.5	08	1.0	36.6	- 36.0	22.0	09	3	- 1.8	20.9	19.4	-3.6	0	5	0	1	10	0	0	0	0	0
COIMBATORE	34.2	+0.7	37.7	05	23.6	0.0	19.0	09	..	52.2	- 11.3	36.4	09	3	- 1.3	.	9.8	-0.8	1	5	0	0	0	0	0	0	0	0
NAGAPATTINAM	35.5	0.0	40.0	25	27.7	+0.3	25.5	01	7.0	7.2	- 41.8	7.2	15	1	- 1.0	15.7	12.9	+0.2	0	1	0	0	2	0	0	0	0	0
TIRUCHCHIRAPPALLI	38.3	+1.2	40.6	26	26.8	+0.4	19.8	29	4.4	61.6	- 20.2	29.3	29	3	- 1.0	13.0	10.5	-6.9	0	3	0	0	3	0	0	0	4	0
VEDARANNIYAM	35.0	..	37.4	07	27.4	..	24.2	00	10.2	14.6	..	9.0	12	2	..	11.5	9.8	..	0	4	0	0	0	0	0	0	0	0
ATIRAMPATTINAM	33.7	..	35.0	27	27.4	..	25.4	01	1.4	3.4	..	2.0	14	0	..	20.3	16.5	..	0	2	0	0	0	0	0	0	0	0
MADURAI	37.3	-0.2	39.9	25	26.3	0.0	23.6	09	..	28.4	- 38.9	8.4	14	4	- 0.7	.	7.1	+0.8	0	5	0	0	1	0	0	0	0	0
MADURAI AERODROME	37.4	+1.1	40.7	28	25.9	+0.1	23.9	30	0.9	23.8	- 28.2	15.1	30	2	- 1.0	9.3	7.3	-3.4	1	3	0	0	13	0	0	0	0	0
TONDI	33.0	-0.3	36.6	20	26.9	+0.2	24.3	13	4.6	33.0	- 31.2	12.8	13	4	+ 1.3	21.2	17.7	+1.6	0	5	0	0	5	0	0	0	0	0
PAMBAN	32.4	-0.2	34.1	09	27.1	-0.4	20.0	30	0.0	20.6	- 4.3	11.0	12	2	+ 0.2	31.7	30.3	+2.3	1	3	0	0	0	0	0	0	0	0
TUTICORIN	35.1	+0.8	38.6	25	26.1	-0.8	24.3	11	0.0	3.2	- 34.0	3.2	11	1	- 2.2	17.8	12.2	-1.7	1	1	0	0	0	0	0	0	0	0
PALAYANKOTTAI	36.9	+0.4	39.9	24	25.4	-1.6	22.4	13	118.0	118.7	+ 79.3	64.2	13	4	+ 1.5	12.2	7.7	-2.2	0	5	0	0	5	0	0	0	0	0
KANNIYAKUMARI	31.7	..	35.1	06	25.6	..	22.8	19	87.0	150.9	..	35.0	12	9	..	18.5	17.4	..	0	9	0	0	0	0	0	0	0	0
PONDICHERRY	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
COASTAL MYSORE																												
KARWAR	32.7	+1.2	33.6	15	25.9	-0.4	23.3	15	0.6	14.2	- 82.0	10.1	15	1	- 2.9	10.1	7.4	..	0	4	0	0	0	0	0	0	0	0
HONAVAR	32.7	+0.4	34.4	11	26.1	+0.3	22.7	16	0.8	52.9	- 61.9	29.8	15	4	- 0.9	..	..	..	0	5	0	0	7	0	0	0	0	0
MANGALORE (BAJPE)	33.0	+0.8	35.0	02	25.8	+1.2	23.2	17	62.3	137.2	-191.7	52.2	15	6	- 5.9	11.1	7.2	-1.6	0	7	0	0	10	0	0	0	0	0
MANGALORE	32.3	+0.2	33.4	11	26.8	+0.8	23.2	17	33.4	97.9	- 79.6	44.6	16	7	- 0.2	12.8	10.4	+0.8	0	8	0	0	4	0	0	0	0	0
INTERIOR MYSORE NORTH																												
BIDAR	39.2	+0.6	41.4	09	26.2	+0.2	19.4	16	1.6	6.4	- 18.7	3.6	11	2	- 0.4	13.9	13.8	+0.1	0	2	0	0	0	0	0	0	0	0
GULBARGA	40.7	+0.5	43.4	09	25.8	-0.5	22.6	16	0.0	29.0	+ 1.1	22.0	12	2	- 0.5	13.1	12.3	-2.5	0	3	0	0	2	0	0	0	0	0
BIJAPUR	39.1	+0.6	42.0	10	24.6	+0.7	21.1	16	2.2	36.8	+ 7.3	24.6	16	2	- 0.5	9.8	10.0	-0.5	0	3	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — MAY 1967 (SAKHA - JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
INTERIOR MYSORE NORTH (CONTD.)																												
RAICHUR	40.3	+0.7	42.4	10	27.4	+0.9	21.8	17	1.4	8.0	- 18.4	3.6	22	1	- 1.4	14.0	13.7	-0.9	0	4	0	0	2	0	0	0	0	0
BELGAUM	36.2	+2.2	39.5	10	21.7	+1.1	18.2	06	21.0	54.8	- 11.7	44.2	16	2	- 2.7	8.2	6.3	-4.3	0	4	0	0	0	0	0	0	0	0
BELGAUM(SAHRA)	34.7	+1.4	38.2	10	21.5	+0.7	18.7	06	14.8	28.4	- 99.3	14.6	11	2	- 5.6	12.8	12.2	-6.3	0	3	0	0	8	0	0	0	0	0
GADAG	36.9	+0.4	40.2	09	22.7	+0.1	18.9	16	29.5	52.3	- 16.8	38.3	16	2	- 2.5	..	..	..	1	6	0	0	8	0	0	0	0	0
INTERIOR MYSORE, SOUTH																												
BELLARY	39.6	+1.7	42.6	13	26.6	+0.8	21.0	17	1.2	1.2	- 47.1	1.2	17	0	- 3.5	11.1	11.2	+1.0	0	1	0	0	0	0	0	0	0	0
CHITRADURGA	35.3	+0.2	38.2	04	23.1	+0.8	19.3	17	28.0	64.6	- 14.7	28.2	16	3	- 1.5	8.8	9.0	-1.6	0	4	0	0	2	0	0	0	0	0
SHIMOGA	34.6	+0.8	37.9	10	21.7	-0.8	19.2	18	8.2	59.4	- 58.2	16.6	31	6	- 0.6	5.5	4.1	-2.2	0	8	0	0	7	0	0	0	0	0
AGUMBE	29.6	..	34.0	02	21.2	..	19.4	16	..	100.0	..	53.0	15	3	..	.	3.7	..	0	8	0	0	0	0	0	0	0	0
BALEHONNUR	31.0	+1.6	35.7	01	19.7	+0.2	17.7	17	..	124.4	+ 5.3	32.0	01	7	- 0.7	..	..	..	0	8	0	0	0	0	0	0	0	0
HASSAN	32.6	+1.1	36.6	10	20.1	-0.2	15.9	19	31.0	96.4	- 18.9	39.0	16	5	- 2.4	7.8	7.7	-3.8	0	5	0	1	2	0	0	0	0	0
BANGALORE	33.7	+1.0	36.7	08	20.9	-0.2	18.8	17	34.5	71.4	- 36.0	48.3	17	3	- 3.7	9.3	7.1	-4.7	0	7	0	0	8	0	0	0	0	0
BANGALORE AERODRUME	33.1	+0.2	35.5	10	21.3	+0.1	18.8	11	35.3	80.8	- 27.7	63.2	17	3	- 4.0	..	..	..	1	5	0	0	7	0	0	0	1	0
MYSORE	33.1	+0.5	36.0	13	22.5	+1.3	20.6	23	19.1	48.4	-102.7	18.4	17	4	- 4.1	10.3	10.6	+0.4	0	5	0	0	1	0	0	0	0	0
KERALA																												
CALICUT	32.2	-0.3	34.7	02	25.9	+0.3	23.3	26	44.3	253.9	- 7.7	55.5	16	13	+ 4.0	..	..	..	0	16	0	0	13	0	0	0	0	0
PALGHAT	34.0	+0.6	40.0	13	25.4	+0.6	23.0	17	66.2	110.4	- 78.1	58.2	17	6	- 2.4	12.2	9.6	-2.2	0	10	0	0	5	0	0	0	0	0
FORT COCHIN	31.1	+0.2	33.3	05	24.1	-1.6	21.9	21	23.3	850.4	+548.7	145.2	14	13	+ 0.6	15.4	12.2	+1.3	0	14	0	0	18	0	0	0	0	0
COCHIN(NAVAL AIR STATION)	31.9	..	33.9	02	25.6	..	23.0	26	76.2	512.1	..	113.2	14	12	..	13.7	10.3	..	0	14	0	0	24	0	0	0	6	0
ALLEPPEY	32.1	+0.5	34.6	08	25.7	+0.4	22.5	13	151.0	404.0	+ 30.0	85.8	14	15	+ 1.3	16.7	13.9	+0.3	0	15	0	0	16	0	0	0	0	0
PUNALUR	33.3	+0.8	36.4	07	24.5	+0.6	22.4	02	79.8	154.8	-246.9	29.8	16	12	- 4.0	2.4	1.8	-1.6	0	13	0	0	0	0	0	0	0	0
TRIVANDRUM	31.5	-0.1	33.8	07	25.0	0.0	23.2	18	54.0	294.7	+ 86.9	79.7	25	12	+ 2.5	11.8	7.5	-1.7	1	14	0	0	12	0	0	0	0	0
TRIVANDRUM AERODROME	31.5	+0.1	33.5	02	25.4	+0.7	23.7	25	..	189.7	-110.3	33.0	25	12	- 1.6		11.3	+3.0	0	13	0	0	12	0	0	0	0	0
ARABIAN SEA ISLANDS																												
AMINI	32.3	-0.3	34.5	05	27.4	+0.1	22.7	14	49.1	132.4	+ 7.2	46.4	14	6	+ 0.8	21.9	21.8	+8.2	0	6	0	0	6	0	0	0	0	0
AGATTI	31.8	..	33.6	30	28.4	..	23.9	02	27.0	125.0	..	54.4	14	5	..	12.7	12.6	..	0	7	0	0	6	0	0	0	0	0
ANDROTH	32.2	..	34.5	02	27.0	..	23.7	14	90.1	187.5	..	50.6	14	7	..	6.5	5.3	..	0	8	0	0	0	0	0	0	0	0
MINICOY	31.3	0.0	32.8	03	26.1	-0.2	21.9	25	160.3	235.8	+ 56.2	107.1	13	9	+ 0.3	14.4	11.8	+0.5	4	9	0	0	3	0	0	0	0	0
HILL STATIONS(EXCLUDING KASHMIR)																												
DALHOUSIE	25.4	-0.5	32.2	21	13.8	-1.9	6.8	26	4.6	25.4	- 21.6	13.6	25	3	- 1.0	2.6	3.4	-3.4	0	4	1	0	4	0	0	0	0	0
DHARMASALA	29.8	-1.0	36.1	21	18.3	-3.0	12.8	25	7.5	25.7	- 28.9	6.7	23	4	+ 0.1	9.2	6.2	-0.2	0	6	0	0	5	0	0	0	0	0
BHUNTAR	29.7	..	37.0	21	11.6	..	8.1	16	29.2	54.9	..	16.4	24	7	..	10.2	7.7	..	0	11	0	1	12	0	0	0	0	0
SIMLA	22.4	-1.0	29.2	21	13.2	-1.8	8.1	04	9.7	16.5	- 43.2	5.2	21	2	- 3.2	2.5	1.9	-2.5	0	8	0	0	0	0	0	0	0	0
DHARMPUR	..	..	..	..	..	..	..	..	..	9.6	- 33.9	5.0	13	1	- 2.3	..	..	..	0	3	..	..	..	..	..	.	..	.
GHANGARIA (KANJALIA TOK)	19.5	..	22.6	23	7.4	..	4.6	29	..	56.2	..	70.2	28	3	..	..	..	..	0	9	0	7	4	0	0	0	0	0
BADRINATH	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JOSHIMATH	25.8	-0.0	31.0	31	14.3	+0.4	9.8	13	22.2	41.8	+ 20.1	10.0	14	6	+ 3.4	8.8	10.5	+2.4	0	6	0	1	0	0	0	0	0	0
MUSSOORIE	23.3	-1.5	27.8	20	14.2	-0.9	8.4	13	10.0	21.6	- 30.2	8.6	24	3	- 1.2	13.2	11.3	+2.9	0	5	0	0	6	0	0	0	0	0
MUKTESWAR (KUMAUN)	24.0	+0.5	28.0	21	13.3	-0.6	7.9	14	1.8	6.6	- 49.8	5.6	14	1	- 4.0	17.2	16.1	-0.6	0	3	0	0	6	0	0	0	0	0
NAINITAL	23.2	-0.8	27.0	31	14.5	-0.9	11.0	16	1.5	12.5	- 63.0	7.0	14	2	- 1.5	10.3	8.6	+0.6	0	3	0	0	0	0	0	0	0	0
KALIMPONG	24.3	+0.2	27.4	20	16.3	-1.0	13.3	01	17.4	165.0	+ 20.2	50.0	08	13	+ 1.9	20.3	18.4	+9.4	0	14	0	0	0	0	0	0	0	0
DARJEELING	17.7	-0.9	24.5	19	11.1	-1.8	8.6	03	35.6	109.6	-121.8	25.6	23	11	- 4.2	4.0	3.6	+0.1	0	15	0	0	6	4	0	0	0	0
KOHIMA	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SHILLONG(C.S.O.)	23.3	-1.1	26.0	28	15.0	-1.7	11.0	29	78.4	169.2	-126.2	20.3	12	16	- 1.8	7.7	8.2	+1.3	0	22	0	0	1	1	0	0	0	0
CHERRAPUNJI	23.1	+1.0	25.4	21	14.8	-1.5	11.5	11	211.4	835.4	-512.6	154.4	06	21	- 1.1	8.5	9.4	-2.3	0	23	0	0	2	12	0	0	0	0
ABU	31.5	0.0	34.5	16	21.1	-1.2	18.2	03	0.0	18.8	- 1.2	18.8	27	1	- 0.1	16.7	10.2	-0.2	0	1	0	0	2	0	0	0	0	0
AIJAL	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
PACHMARHI	35.8	-0.2	38.9	11	23.4	-0.9	17.0	05	0.0	0.0	- 16.5	0.0	..	0	- 1.6	8.6	7.1	+0.3	0	0	0	0	1	0	0	0	0	0
MAHABALESHWAR	31.1	+2.3	35.0	10	18.7	+0.5	15.1	17	14.0	15.3	- 31.7	11.3	17	2	- 0.7	12.7	12.6	+1.0	0	3	0	0	2	3	0	0	0	0
MERCARA	26.9	+0.6	30.2	13	18.7	+0.4	17.0	17	58.8	158.7	+ 22.8	57.6	17	4	- 4.3	11.6	10.0	0.0	0	8	0	0	8	0	0	0	0	0
OOTACAMUND	22.8	+1.0	24.3	21	12.3	+1.1	9.0	20	28.2	90.4	- 68.3	19.8	16	9	- 2.9	6.1	3.4	-0.8	0	12	0	0	6	0	0	0	0	0
COONOOR	25.1	+0.9	27.7	28	14.0	-1.0	11.6	02	..	103.0	- 11.7	35.2	16	6	- 1.1	..	..	..	0	8	0	0	0	0	0	0	0	0
KODAIKANAL	21.4	+1.0	24.0	28	13.2	+0.5	11.4	21	43.8	70.4	- 86.3	21.0	14	6	- 4.6	13.0	13.4	+1.6	1	13	0	1	18	2	0	0	0	0
NEPAL																												
KATMANDU	30.9	+0.5	34.5	29	14.3	-1.6	9.5	06	2.6	11.6	-101.2	3.0	01	1	- 8.2	2.8	1.3	-0.6	0	7	0	0	10	0	0	0	0	0
SIKKIM																												
LACHEN	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
HYDROMETEOROLOGICAL OBSERVATORIES DAMODAR CATCHMENT																												
TILAIYA	39.1	..	42.6	21	25.4	..	18.3	14	0.6	30.4	..	29.7	14	1	..	..	..	..	0	2	0	0	0	0	0	0	0	0
HAZARIBAGH	37.4	..	41.8	21	23.0	..	18.5	14	7.1	13.9	..	6.8	14	2	..	10.2	7.9	..	0	4	0	0	7	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - MAY 1967 (SAKHA - JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
DAMODAR CATCHMENT (CONTD.)																												
KONAR	40.8	..	42.5	20	22.0	..	18.1	21	0.0	32.3	..	28.3	14	2	..	..	..	..	0	2	0	0	0	0	0	0	0	0
BOKARO	40.8	..	44.6	21	21.9	..	18.6	14	12.7	34.5	..	11.8	12	3	..	9.1	8.0	..	0	4	0	0	0	0	0	0	0	0
MAITHON	40.2	..	44.4	31	23.7	..	20.1	07	5.0	14.0	..	4.8	12	3	..	3.4	3.1	..	0	5	0	0	3	0	5	0	0	0
RAMGARH	41.5	..	44.0	22	22.1	..	19.0	14	19.5	19.5	..	13.0	18	2	..	8.4	6.0	..	0	2	0	0	1	0	0	0	0	0
PANCHET HILLS	39.5	..	43.7	31	26.0	..	22.0	14	42.3	80.1	..	31.0	05	3	..	6.0	4.7	..	0	4	0	0	1	0	0	0	0	0
DURGAPUR	39.9	..	43.4	31	26.1	..	20.4	16	15.0	59.0	..	28.0	14	4	..	12.3	11.8	..	0	4	0	0	0	0	3	0	0	0
MAHANADI CATCHMENT																												
GINABAHAR	40.6	..	43.3	24	23.6	..	20.3	15	..	48.4	..	26.8	15	3	..	..	..	..	0	3	0	0	5	1	0	0	0	0
HIRAKUD	41.8	..	45.7	22	27.1	..	22.3	16	0.0	23.7	..	15.8	16	3	..	6.0	4.6	..	0	3	0	0	4	0	0	0	2	0
BHIMKUND	38.9	..	42.0	31	24.5	..	20.7	22	3.7	54.8	..	20.8	22	6	..	8.2	4.9	..	0	9	0	0	11	0	0	0	0	0
SONEPUR	42.2	..	45.8	22	28.7	..	23.7	17	..	0.0	..	0.0	..	0	..	.	4.0	..	0	0	0	0	0	0	0	0	0	0
KHIJRAHAR	41.1	..	44.5	22	25.1	..	21.1	06	0.0	14.0	..	5.8	17	3	..	12.7	8.1	..	0	3	0	0	4	0	0	0	1	0
NARMADA CATCHMENT																												
BAGRA TAWA	42.5	..	45.7	22	26.4	..	20.3	07	0.0	0.0	..	0.0	..	0	..	13.2	8.8	..	0	0	0	0	0	0	0	0	0	0
PUNASA	42.6	..	45.4	19	25.7	..	20.6	06	0.0	0.0	..	0.0	..	0	..	14.4	11.6	..	0	0	0	0	0	0	0	0	0	0
THIKKI	43.7	..	46.9	10	26.7	..	20.2	06	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
SABARMATI CATCHMENT																												
DAROI	41.3	..	44.2	20	20.9	..	16.2	07	0.0	0.0	..	0.0	..	0	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JHADOL	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GANDAK CATCHMENT																												
JAMOSOM	22.5	..	25.9	24	7.7	..	1.1	05	0.0	11.0	..	7.0	04	2	..	..	..	..	0	2	..	..	..	..	..	.	..	.
KHUDI BAZAR	30.1	..	33.7	31	19.2	..	14.9	02	34.6	63.4	..	14.4	12	7	..	..	..	..	1	11	..	..	..	..	..	.	..	.
TIMURE	27.5	..	30.7	31	14.7	..	11.0	06	3.2	21.9	..	13.2	01	2	..	..	..	..	0	7	..	..	..	..	..	.	..	.
POKHARA	30.3	..	34.5	31	18.9	..	13.4	12	57.3	143.2	..	46.2	01	7	..	3.0	3.0	..	2	10	0	3	16	0	1	0	0	0
GORKHA	29.3	..	33.3	31	19.1	..	15.6	14	19.8	97.1	..	28.0	01	11	..	..	..	..	1	13	0	0	12	1	0	0	0	0
MUKHAKOT	31.8	..	35.5	31	20.7	..	17.5	4dis	3.0	11.3	..	5.0	14	1	..	..	..	..	0	5	..	..	..	..	..	.	..	.
GHAGHARA CATCHMENT (TRANS HIMALAYAN REGION)																												
DAILEKH	30.7	..	34.2	31	17.4	..	14.1	06	2.0	3.4	..	2.2	14	0	..	..	..	..	1	2	..	..	..	..	..	.	..	.
GHAGHARA CATCHMENT																												
SALLYANA	29.6	..	32.8	31	19.5	..	12.9	14	4.1	15.6	..	8.0	14	3	..	..	..	..	0	3	..	..	..	..	..	.	..	.
BUTWAL	37.0	..	40.9	31	24.9	..	20.9	14	7.0	37.6	..	20.0	14	4	..	..	..	..	0	4	..	..	..	..	..	.	..	.
BAGHMATI CATCHMENT																												
KATMANDU	SEE UNDER NEPAL			..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
KOSI CATCHMENT																												
CHAUTARA	29.3	..	33.1	31	17.7	..	12.5	16	14.6	23.4	..	9.0	11	3	..	..	..	..	0	9	..	..	..	..	..	.	..	.
WALUNGCHUNG GOLA	12.7*	..	17.9	26	-2.5	..	-6.9	06	34.3	90.7	..	17.0	01	10	..	..	..	..	0	17	..	..	..	..	..	.	..	.
TAPLETHOK	27.2	..	30.9	22	15.7	..	13.1	16	31.0	144.4	..	17.6	01	16	..	..	..	..	0	22	..	..	..	..	..	.	..	.
BHOJPUR	23.5	..	27.4	28	15.9	..	10.2	08	27.4	110.1	..	50.6	22	6	..	..	..	..	0	9	..	..	..	..	..	.	..	.
TAPLEJUNG	22.9	..	26.4	31	13.9	..	11.0	16	58.0	233.6	..	31.8	22	16	..	6.9	4.2	..	2	19	0	1	10	1	0	0	0	0
OKHALDHUNGA	24.2	..	28.1	21	14.8	..	10.5	16	22.6	90.6	..	39.6	22	6	..	9.3	7.5	..	1	12	0	2	12	2	0	0	0	0
CHAINPUR	27.7	..	31.0	18	17.5	..	14.5	01	37.0	100.6	..	35.2	16	6	..	..	..	..	0	8	..	..	..	..	..	.	..	.
ANGBUNG	28.8	..	32.7	31	..	..	..	..	111.0	359.3	..	65.0	31	11	..	..	..	..	0	11	..	..	..	..	..	.	..	.
BARAHAKSHETRA	38.9	..	38.1	31	24.2	..	20.6	01	20.3	60.1	..	18.0	01	5	..	10.2	6.8	..	0	8	0	0	9	0	0	0	0	0
TISTA CATCHMENT																												
GANGTOK	22.4	..	26.4	19	13.4	..	11.0	04	125.1	566.7	..	93.1	26	25	..	6.3	5.1	..	0	26	0	0	14	13	0	0	0	0
GEZING	24.9	..	28.1	28	14.8	..	11.5	06	35.2	205.9	..	40.8	08	15	..	..	..	..	0	25	..	..	..	..	..	.	..	.

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY 1967 (SAKHA - JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lst. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
MAYA BANDAR	0830	28	1007.2	1004.1	-1.4	28.6	25.8	24.7	31.1	80	- 2	5.5	0.0	10.5	0	6	21	00	8	2	1	0	7	6	1	3	2
	1730	28	1004.9	1001.8	-1.6	28.1	25.8	24.9	31.5	83	- 2	5.6	-0.2	12.3	0	6	24	00	4	4	3	0	10	7	1	0	1
LONG ISLAND	0830	25	1008.3	1005.4	-0.6	28.1	26.0	25.1	31.9	85	+ 5	5.9	+0.1	4.5	0	0	23	00	0	1	1	1	11	7	2	8	0
	1730	25	1005.8	1002.9	-0.6	27.9	25.7	24.7	31.1	83	+ 1	6.0	-0.4	4.1	0	0	20	00	0	0	1	0	7	10	0	10	2
PORT BLAIR	0530	79	1006.4	997.4	..	25.4	24.3	24.1	30.0	92	..	6.5	..	9.5	1	5	10	00	1	0	1	6	6	1	1	15	0
	0830	79	1007.9	999.1	-0.7	28.1	25.5	24.4	30.6	81	+ 4	6.5	+0.4	14.5	0	12	12	00	0	1	3	5	12	2	1	7	0
	1130	79	1007.1	998.3	..	29.5	26.2	24.8	31.3	77	..	6.7	..	19.6	0	13	16	01	7	2	1	5	13	0	0	2	0
	1430	79	1005.1	996.2	..	28.6	25.6	24.3	30.4	79	..	6.7	..	17.5	0	13	13	00	1	1	1	6	14	2	1	5	0
	1730	79	1005.5	996.7	-1.1	27.2	25.2	24.3	30.4	84	+ 0	6.9	+0.3	13.2	0	6	16	00	0	1	1	7	11	1	1	9	0
	2030	79	1007.3	998.4	..	26.5	25.0	24.3	30.4	88	..	5.1	..	11.4	0	9	12	00	1	2	2	3	12	0	1	10	0
	2330	79	1006.9	997.9	..	26.0	24.9	24.5	30.7	91	..	5.4	..	11.0	0	7	11	00	0	2	2	5	7	2	0	13	0
CAR NICOBAR	0830	10	1008.9	1007.6	-0.2	28.3	25.8	24.7	31.1	81	+ 2	6.1	-0.1	1.5	0	0	17	00	0	0	4	0	12	1	0	14	0
	1730	10	1006.3	1005.0	-0.5	27.4	25.4	24.5	30.7	84	+ 0	6.4	+0.4	1.4	0	0	12	00	0	0	2	0	9	0	0	19	1
NAN COWRY	0830	26	1009.5	1006.6	+0.0	27.4	25.8	25.1	31.9	88	+ 7	6.5	+0.4	8.6	0	1	26	00	0	0	0	2	18	4	3	4	0
	1730	26	1006.7	1003.8	-0.5	26.9	25.5	24.9	31.5	87	+ 3	6.8	+0.7	5.9	0	0	21	00	0	0	0	0	15	5	1	10	0
KONDUL	0830	8	1010.1	1009.2	+0.5	27.8	25.7	24.7	31.1	84	+ 1	6.0	+0.0	8.7	0	4	23	00	0	4	8	8	7	0	0	4	0
	1730	8	1007.7	1006.7	+0.3	27.3	25.5	24.7	31.1	86	- 1	5.5	-0.2	5.4	0	1	15	01	0	0	4	6	4	0	0	15	1
NORTH ASSAM (INCLUDING NEFA)																											
PASIGHAT	0830	157	1007.1	989.4	+0.0	24.8	21.9	20.3	23.8	78	- 3	6.3	-0.3	7.6	0	4	22	01	1	3	2	0	0	0	19	5	0
DIBRUGARH (MOHANBARI)	1730	157	1003.3	985.7	+0.0	26.7	23.5	21.9	26.3	77	- 4	5.8	-0.4	3.6	0	2	14	01	0	0	2	6	0	1	6	15	0
	0230	111	1004.5	991.8	..	22.3	21.5	21.1	25.0	92	..	6.1	..	4.8	0	0	19	02	13	2	0	0	0	0	2	12	0
	0530	111	1005.7	993.0	..	22.1	21.3	20.9	24.7	93	..	6.7	..	5.0	0	0	23	02	12	3	2	1	0	1	2	8	0
	0830	111	1007.0	994.4	+0.0	24.9	22.5	21.3	25.3	81	- 1	6.1	-0.4	8.5	0	0	30	04	19	4	0	0	1	1	1	1	0
	1130	111	1006.1	993.6	..	27.2	23.4	21.5	25.6	72	..	6.1	..	7.5	0	0	30	02	13	2	3	5	1	3	1	1	0
	1430	111	1003.5	991.1	..	28.2	23.6	21.3	25.3	68	..	5.6	..	7.8	0	0	29	02	8	5	2	1	5	4	2	2	0
	1730	111	1003.0	990.5	+0.4	26.7	25.3	21.6	25.8	75	- 3	5.5	-0.5	5.5	0	0	25	02	15	2	0	1	2	3	0	6	0
	2030	111	1004.9	992.3	..	24.1	22.6	21.9	26.3	88	..	5.0	..	4.5	0	1	14	05	7	1	0	1	0	1	0	16	0
	2330	111	1005.2	992.5	..	22.9	22.0	21.5	25.6	92	..	5.5	..	4.5	0	0	17	00	10	3	1	1	0	1	1	14	0
DIGBOI	0830	152	1007.1	989.8	-0.5	24.7	22.5	21.7	25.9	83	- 2	5.4	-0.9	4.7	0	0	31	05	2	13	0	3	2	5	1	0	0
	1730	152	1003.5	986.3	-0.8	26.5	23.2	21.5	25.6	75	+ 0	4.2	-1.8	4.6	0	0	28	03	5	8	3	2	0	7	0	3	0
NORTH LAKHIMPUR	0830	102	1007.0	995.4	+0.4	25.4	22.9	21.7	25.9	80	- 5	6.5	-0.3	5.6	0	1	25	04	10	4	1	3	1	2	1	5	0
	1130	102	1006.2	994.7	..	27.2	23.5	21.7	25.9	73	..	6.2	..	8.3	0	0	31	02	10	4	4	6	3	0	2	0	0
	1430	102	1003.8	992.4	..	27.8	23.6	21.5	25.6	70	..	5.8	..	7.0	0	0	30	03	13	2	1	4	3	2	2	1	0
	1730	102	1003.2	991.6	+0.6	26.4	25.5	22.1	26.6	79	- 4	5.3	-0.7	4.1	0	0	23	06	10	2	0	2	2	0	1	8	0
	2030	102	1005.1	993.4	..	23.8	22.7	22.1	26.6	91	..	4.9	..	2.3	0	0	14	05	7	1	0	0	0	1	0	17	0
SIBSAGAR	0830	97	1007.2	996.2	-0.1	25.6	23.1	21.9	26.3	81	- 2	6.1	-0.5	2.5	0	0	27	17	5	0	2	2	1	0	0	4	0
	1730	97	1002.8	992.1	+0.0	27.8	24.2	22.5	27.3	75	- 2	5.4	-0.4	2.5	0	0	27	13	9	0	0	2	3	0	0	4	0
GOHPUR	0830	83	1006.8	997.5	..	25.5	23.2	22.1	26.6	82	- 5	6.3	..	3.5	0	0	27	00	12	1	11	0	2	0	0	4	1
	1730	83	1002.5	993.2	..	27.1	24.1	22.7	27.6	77	- 4	5.6	..	2.4	0	0	21	00	14	0	3	0	1	0	1	10	2
MAJBAT	0830		..	..	-..	25.5	23.4	22.3	26.9	83	..	4.9	-1.1	2.3	0	0	17	00	12	5	0	0	0	0	0	12	0
	1730		..	..	-..	27.9	24.9	23.5	28.9	78	..	4.2	-0.4	1.5	0	0	11	00	2	6	0	0	2	1	0	19	0
JORHAT AERODROME	0530	90	1004.8	994.6	..	22.9	22.3	22.0	26.4	95	..	6.5	..	3.0	0	0	12	03	5	1	0	1	0	1	0	19	1
	0830	90	1006.7	996.5	..	25.7	23.5	22.4	27.1	83	..	6.2	..	6.4	0	1	21	04	9	4	0	1	0	2	1	9	1
	1130	90	1005.4	995.3	..	27.6	24.1	22.5	27.3	75	..	5.5	..	8.0	0	1	21	03	5	5	1	0	1	3	1	9	3
	1730	90	1002.3	992.2	..	27.1	24.1	22.7	27.6	77	..	4.6	..	7.5	0	2	15	03	9	2	0	1	0	1	1	14	0
	2330	90	1004.4	994.2	..	23.8	22.9	22.3	27.3	92	..	4.9	..	3.5	0	1	8	00	7	1	0	1	0	0	0	22	0
TANGLA	0830	78	1006.2	997.6	+0.7	25.9	25.7	22.7	27.6	84	+ 2	.	..	1.3	0	0	18	00	0	0	8	0	10	0	0	13	0
	1730	78	1001.8	993.1	-0.1	28.6	26.6	25.8	33.2	85	+ 9	.	..	0.6	0	0	7	00	0	0	2	0	5	0	0	24	0
TEZPUR	0830	79	1007.0	998.0	-0.4	25.2	22.7	21.5	25.6	80	- 1	6.1	+0.5	4.8	0	0	27	00	19	3	1	1	3	0	0	3	0
	1730	79	1002.3	993.6	-0.2	28.2	25.9	21.8	26.1	69	- 7	4.1	-0.3	3.8	0	0	29	01	17	1	1	1	6	1	0	2	0
GOLAGHAT	0830	95	1006.8	995.9	+0.5	25.1	23.1	22.1	26.6	84	+ 0	4.3	-2.0	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		(R)																								
RANGIA	0830	60	1008.0	1001.2	..	26.2	23.9	22.9	27.8	82	- 1	5.5	..	7.7	0	0	25	01	4	15	1	0	1	1	2	5	0
	1730	60	1005.7	996.9	..	28.8	25.3	23.7	29.3	75	+ 2	3.8	..	3.9	0	0	21	00	1	13	2	0	0	4	1	9	0
CHAPARMUKH	0830	66	1007.0	999.5	+0.4	26.6	23.6	22.1	26.6	78	+ 0	4.5	-1.0	3.7	0	0	26	03	3	6	10	1	2	0	0	1	1
	1730	66	1002.6	995.2	+0.5	28.1	24.7	23.1	28.3	75	+ 2	3.5	-0.6	2.2	0	0	21	07	3	1	6	0	2	0	2	5	0
GOALPARA	0830	38	1005.6	1001.3	+0.0	25.0	23.4	22.6	27.4	87	+ 5	4.8	-0.6	2.5	0	0	28	00	19	1	4	0	0	1	3	3	0
	1730	38	1001.9	997.6	+0.8	29.1	24.5	22.3	26.9	68	- 5	2.9	-1.7	2.5	0	0	29	00	17	0	6	0	3	2	1	2	0
GAUHATI (BHORJOR)	0230	54	1003.4	997.2	..	23.4	22.6	22.2	26.7	93	..	4.1	..	3.9	0	0	12	02	5	2	0	2	0	0	1	19	0
	0530	54	1004.8	998.5	..	23.1	22.4	22.1	26.6	93	..	5.8	..	5.3	0	1	13	02	5	1	0	2	2	1	1	17	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY 1967 (ISAKHA - JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or lit. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NORTH ASSAM (INCLUDING NEFA) (CONTD.)																												
GAUHATI (BHORJOR) (CONTD.)	0830	54	1006.2	1000.1	-0.2	26.1	23.6	22.3	26.9	30	+ 1	5.6	+0.1	7.3	0	1	20	06	9	3	1	6	0	2	6	10	0
	1130	54	1005.1	999.0	..	28.4	24.6	22.8	27.7	73	..	5.6	..	9.7	0	3	25	10	12	1	1	2	1	0	1	3	0
	1430	54	1002.5	996.4	..	30.0	24.9	22.5	27.3	65	..	4.5	..	8.1	0	2	24	08	9	3	0	0	2	1	3	5	0
	1730	54	1001.7	995.7	-0.1	28.8	24.7	22.8	27.8	70	- 2	4.0	-0.4	5.5	0	2	17	07	7	1	1	0	1	1	1	12	0
	2030	54	1003.7	997.5	..	25.6	24.1	23.5	28.9	86	..	3.3	..	2.4	0	0	7	00	0	4	0	3	0	0	0	24	0
	2330	54	1004.0	997.8	..	24.8	23.3	22.9	27.9	90	..	4.0	..	5.5	0	0	14	02	6	5	0	1	0	0	0	17	0
DHUBRI (RUPSI)	0530	45	1004.1	998.9	..	23.3	22.4	21.9	26.3	92	..	6.3	..	7.5	0	0	26	06	11	8	0	0	0	1	0	5	0
	0830	45	1005.7	1000.6	+0.7	26.1	23.5	22.2	26.7	81	+ 2	6.7	+1.3	9.7	0	0	30	02	8	16	1	2	1	0	0	1	0
	1130	45	1004.7	999.7	..	29.0	24.9	23.1	28.3	71	..	5.8	..	9.7	0	3	23	01	6	11	3	3	2	0	0	5	0
	1730	45	1001.0	996.0	+0.6	29.3	25.6	23.9	29.7	73	+ 1	4.5	+0.4	4.3	0	0	20	00	3	12	0	2	2	0	1	11	0
DHUBRI	0830	35	1006.5	1002.5	+0.0	25.8	23.9	23.0	28.1	87	+ 3	6.2	+0.9	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	35	1001.9	998.0	-0.2	28.6	25.7	24.1	30.0	79	+ 2	4.0	+0.0	..	.	..	..	..	..	..	..	..	..	..	..	..	..
LUMDING	0830	149	1006.6	989.7	..	25.4	23.1	21.9	26.3	81	+ 5	4.2	..	1.7	0	0	15	00	0	10	3	0	0	1	1	16	0
	1730	149	1002.2	985.7	..	29.2	24.3	21.9	26.3	67	..	4.7	..	1.7	0	0	17	00	0	9	0	2	0	3	3	14	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																												
TURA	0830	370	1006.0	964.8	-0.3	25.7	22.7	21.2	25.2	77	- 4	6.6	+1.1	6.2	0	0	25	01	3	6	4	5	4	1	1	6	0
	1730	370	1002.1	961.4	+ 0.1	28.8	24.2	22.0	26.4	67	-9	3.8	-1.3	5.9	0	0	30	3	0	3	7	9	8	1	0	1	0
HAFLONG	0830	682	1008.0	932.7	+1.7	22.5	20.0	18.5	21.3	79	- 3	4.6	+0.8	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	682	1002.1	927.7	+0.4	24.4	21.1	19.3	22.4	75	+ 1	4.2	-0.3	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SILCHAR (KUMBHIRGRAM)	0530	97	1004.3	993.3	..	22.8	21.6	21.0	24.0	90	..	6.1	..	7.3	0	0	28	00	3	23	0	0	1	1	0	3	0
	0830	97	1005.6	994.7	-0.2	26.2	23.1	21.5	25.6	77	- 2	5.6	+0.1	7.1	0	0	28	02	3	17	1	1	0	2	2	3	0
	1130	97	1004.3	993.6	..	29.3	23.9	21.3	25.3	63	..	6.5	..	8.3	0	0	31	00	2	10	3	3	4	5	1	0	3
	1730	97	1001.2	990.5	+0.1	28.7	24.2	22.1	26.6	68	- 6	4.7	+0.5	5.3	0	1	22	02	3	4	0	2	2	8	1	8	1
SILCHAR	0830	29	1008.0	1004.7	+0.6	26.5	23.8	22.5	27.3	79	- 2	5.2	-0.2	1.3	0	0	17	02	3	3	4	2	2	1	0	14	0
	1730	29	1003.9	1000.6	+1.0	29.4	24.8	22.7	27.6	67	- 8	3.9	-0.6	1.0	0	0	15	01	2	2	1	1	5	1	2	16	0
IMPHAL (TULIHAL)	0530	781	1007.2	920.7	..	19.2	18.4	18.0	20.6	92	..	5.2	..	3.2	0	0	11	00	1	2	1	1	1	2	3	20	0
	0830	781	1007.3	921.9	-0.2	23.3	20.3	18.7	21.6	76	+ 2	5.3	-0.3	5.7	0	1	17	02	1	1	5	3	1	3	2	13	0
	1130	781	1005.1	920.7	..	26.3	21.2	18.6	21.4	64	..	4.9	..	10.3	0	0	28	01	2	6	1	2	3	7	6	3	0
	1430	781	1002.1	918.3	..	27.5	21.3	18.1	20.8	59	..	5.1	..	12.6	0	3	26	02	1	2	1	1	2	8	12	2	0
	1730	781	1002.3	917.9	+1.3	25.4	20.9	18.6	21.4	67	+ 1	4.6	-0.3	11.4	0	2	26	01	1	0	1	3	3	8	11	3	0
	2030	781	1005.2	919.8	..	22.6	20.2	19.0	22.0	81	..	4.1	..	5.0	0	0	15	01	0	1	3	2	0	3	5	16	0
	2330	781	1005.9	920.1	..	21.2	19.5	18.6	21.4	86	..	4.6	..	4.6	0	0	17	04	0	3	1	1	1	2	5	14	0
KAILASHAHAR	0530	30	1005.7	1002.4	..	24.1	23.3	22.9	27.9	93	..	5.3	..	2.8	0	0	26	02	3	3	0	5	9	3	1	5	0
	0830	30	1007.0	1003.7	+0.1	27.9	24.7	23.2	28.4	76	+ 0	4.4	-0.7	5.2	0	0	30	02	4	4	0	8	10	2	0	1	0
	1130	30	1005.8	1002.6	..	30.4	25.9	23.9	29.7	68	..	4.7	..	6.0	0	0	31	02	4	1	0	4	16	1	2	0	1
	1730	30	1002.7	999.4	+0.4	29.1	25.4	23.7	29.5	74	+ 6	4.1	-0.4	3.9	0	0	29	01	4	3	0	3	10	2	3	2	3
AGARTALA	0230	16	1002.8	1001.0	..	25.1	24.0	23.5	28.9	91	..	3.1	..	8.4	0	3	21	01	1	2	7	11	1	0	1	7	0
	0530	16	1003.8	1002.0	..	24.9	24.0	23.5	28.9	92	..	5.5	..	9.5	0	3	25	01	1	3	15	8	0	0	0	3	0
	0830	16	1005.2	1003.4	+0.1	29.0	25.7	24.3	30.4	77	+ 0	5.4	-0.2	13.6	0	4	27	00	2	3	11	13	2	0	0	0	0
	1130	16	1004.2	1002.4	..	31.6	26.5	24.3	30.4	66	..	5.3	..	14.8	0	8	22	02	2	2	7	12	4	1	0	1	0
	1430	16	1002.1	1000.3	..	31.3	26.1	23.8	29.5	65	..	5.3	..	15.0	0	7	24	02	1	2	4	18	3	0	1	0	0
	1730	16	1001.3	999.5	+0.2	29.1	25.2	23.5	28.9	72	- 2	4.7	-0.2	12.9	0	4	27	03	1	3	7	14	1	2	0	0	0
	2030	16	1003.2	1001.4	..	26.9	24.9	24.0	29.8	84	..	3.7	..	9.2	0	2	22	01	1	1	5	15	1	0	0	7	0
	2330	16	1003.2	1001.4	..	26.0	24.6	24.0	29.8	87	..	3.6	..	9.5	0	4	21	01	2	0	13	8	0	0	1	6	0
SUB-HIMALAYAN WEST BENGAL																												
BAGHDOGRA	0230	131	1003.1	988.2	..	23.7	22.1	21.3	25.3	87	..	4.8	..	10.8	0	0	27	00	9	13	4	0	0	0	1	4	0
	0530	131	1004.0	989.1	..	23.4	21.8	21.0	24.9	87	..	5.3	..	12.4	0	1	29	01	10	15	3	1	0	0	0	1	0
	0830	131	1005.6	990.8	+0.5	27.3	23.5	21.6	25.8	72	- 2	4.7	-0.5	15.6	0	3	28	00	2	17	9	1	1	0	0	0	1
	1130	131	1004.7	990.1	..	29.8	24.6	22.1	26.6	65	..	4.2	..	17.2	0	3	28	00	2	10	17	1	1	0	0	0	0
	1430	131	1002.0	987.5	..	30.8	25.1	22.5	27.3	62	..	4.8	..	13.3	0	4	26	00	1	9	15	4	1	0	0	1	0
	1730	131	1001.0	986.4	+0.2	29.2	24.6	22.4	27.1	67	+ 1	3.7	-0.2	11.7	0	1	29	01	0	16	10	3	0	0	0	1	0
	2030	131	1002.8	988.1	..	26.3	23.6	22.3	26.9	79	..	3.2	..	8.7	0	0	28	02	10	13	3	0	0	0	0	3	0
	2330	131	1003.7	988.9	..	24.9	22.8	21.7	25.9	83	..	4.3	..	11.0	0	2	26	01	12	8	6	1	0	0	0	3	0
JALPAIGURI	0830	83	1005.5	996.2	-0.4	25.8	23.0	21.6	25.8	78	- 2	4.8	-0.1	9.9	0	6	25	03	8	15	5	0	0	0	0	0	0
	1730	83	1000.8	991.6	-0.5	29.5	25.0	22.9	27.9	69	+ 0	2.3	-1.1	4.4	0	0	24	00	2	18	3	0	0	0	1	7	0
COOCH BEHAR AERODROME	0830	43	1006.1	1001.3	+1.0	25.7	23.1	21.8	26.1	80	+ 1	5.8	+0.1	12.1	0	7	20	00	11	13	3	0	0	0	0	4	0
	1130	43	1005.0	1000.2	..	28.6	24.5	22.5	27.3	71	..	5.0	..	13.5	0	9	21	00	9	12	6	2	0	0	0	1	1
	1730	43	1001.5	996.7	+0.6	28.9	24.9	23.1	28.3	72	- 1	3.5	-0.3	6.8	0	3	17	01	7	8	2	0	0	0	1	11	1
BALURGHAT	0830	26	1004.2	1001.1	..	29.0	25.8	24.4	30.5	77	..	4.0	..	4.6	0	0	30	01	3	11	13	0	2	0	0	1	0
	1730	26	999.8	997.0	..	31.6	26.4	24.2	30.2	66	..	1.6	..	3.4	0	0	22	02	3	10	5	2	0	0	0	9	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MAY ,1967(VAISAKHA - JYAISTHA,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.) 62 or more	Wind Speed (Km. p. h.) 20 to 61	Wind Speed (Km. p. h.) 1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SUB-HIMALAYAN WEST BENGAL																											
MALDA	0830	31	1004.3	1000.8	-0.3	29.2	25.2	23.4	28.8	71	- 1	3.8	-0.6	3.2	0	0	30	01	1	7	10	6	4	0	1	1	0
	1730	31	999.7	996.2	-0.4	33.8	24.7	20.2	23.7	48	- 7	2.4	-0.8	3.5	0	0	29	02	5	10	5	2	1	0	4	2	0
GANGETIC WEST BENGAL																											
BERHAMPORE	0830	19	1003.8	1001.5	-0.7	29.0	26.1	24.9	31.5	78	+ 6	4.6	+0.3	3.7	0	0	29	00	0	4	2	16	3	3	1	2	0
	1730	19	999.1	997.0	-0.6	33.6	25.5	21.7	25.9	51	- 4	2.7	-1.4	2.5	0	0	23	00	2	6	0	12	1	1	1	8	0
SURI	0830		..	..	..	31.3	25.2	22.3	26.9	60	+ 1	1.1	-2.3	4.6	0	0	31	03	1	5	2	15	1	4	0	0	0
ASANSOL	0230	126	1001.3	987.2	..	27.0	23.6	21.9	26.3	76	..	2.3	..	4.6	0	1	17	00	1	0	7	5	1	2	2	13	0
	0530	126	1002.3	988.1	..	26.0	23.5	22.3	26.9	80	..	3.2	..	3.0	0	0	20	01	1	2	4	4	2	4	2	11	0
	0830	126	1003.6	989.7	-0.5	31.9	25.2	22.1	26.6	58	- 4	2.3	-0.6	4.8	0	0	28	01	2	2	6	6	4	4	3	3	0
	1130	126	1002.2	988.5	..	37.1	25.6	20.0	23.4	39	..	1.5	..	6.4	0	0	27	01	1	1	4	8	1	4	7	4	0
	1430	126	999.5	986.0	..	39.3	25.8	19.1	22.1	33	..	1.9	..	7.0	0	0	31	01	1	3	6	6	5	3	6	0	0
	1730	126	998.6	984.8	-0.2	36.1	25.1	19.3	22.4	40	- 2	2.6	-1.3	6.9	0	1	25	02	6	2	2	4	1	5	4	5	0
	2030	126	1001.1	987.1	..	30.8	24.7	21.8	26.1	60	..	1.8	..	6.0	0	0	23	00	0	3	3	12	2	2	1	8	0
	2330	126	1001.9	987.8	..	28.7	24.5	22.5	27.3	70	..	2.6	..	5.1	0	0	21	02	2	0	6	8	2	1	0	10	0
SHANTI NIKETAN	0830	59	1004.1	997.5	..	30.4	26.4	24.7	31.1	73	..	2.5	..	5.1	0	2	25	01	2	0	2	18	4	0	0	4	0
	1130	59	1003.0	996.6	..	35.7	25.9	21.3	25.3	46	..	1.8	..	3.0	0	0	26	02	1	1	5	12	5	0	0	5	0
	1730	59	999.3	992.8	..	35.7	25.3	20.3	23.8	44	..	3.4	..	6.0	0	4	21	02	2	1	7	8	3	0	2	6	0
KRISHNANAGAR	0830	15	1004.2	1002.6	-1.0	30.9	26.9	25.2	32.1	72	+ 0	2.3	-1.6	4.8	0	0	25	00	0	0	5	16	3	1	0	6	0
	1730	15	1000.9	999.3	+0.7	33.7	26.0	22.5	27.3	54	- 7	3.2	-0.9	2.3	0	0	19	00	0	0	0	18	0	0	1	12	0
PURULIA	0830	255	1003.7	975.8	+0.3	31.5	23.7	19.7	22.9	52	- 1	2.0	-0.5	4.9	0	0	28	00	1	2	8	4	6	5	2	3	0
	1730	255	998.5	971.2	+0.1	37.2	23.7	16.1	18.3	31	- 4	3.3	-1.5	4.1	0	0	27	04	5	1	6	1	0	2	8	4	0
BANKURA	0830	100	1003.6	992.6	..	31.4	27.3	25.7	33.0	72	..	1.5	..	1.4	0	0	15	00	0	2	3	1	3	2	1	16	3
	1730	100	999.6	988.8	..	34.0	28.1	25.7	33.0	64	..	1.0	..	2.5	0	0	11	00	0	0	0	0	0	0	0	20	11
BURDWAN	0830	32	1003.6	1000.1	-0.4	31.5	26.6	24.5	30.7	69	- 5	1.2	-2.0	5.1	0	0	30	02	0	2	6	19	1	0	0	1	0
	1730	32	1000.3	996.7	+0.5	34.0	27.0	24.0	29.8	58	+ 3	1.2	-1.9	8.4	0	0	30	01	0	3	10	14	1	0	0	1	1
CALCUTTA (DUM DUM)	0230	6	1001.5	1000.8	..	27.4	25.8	25.1	31.9	87	..	3.7	..	6.1	0	0	28	00	0	0	8	16	4	0	0	3	0
	0530	6	1002.5	1001.8	..	27.0	25.6	25.0	31.7	89	..	4.2	..	6.0	0	1	25	00	0	1	5	15	5	0	2	5	0
	0830	6	1004.1	1003.4	-0.4	30.4	26.7	25.2	32.1	74	- 1	4.2	-0.3	9.9	0	2	28	01	0	0	5	17	5	1	1	1	0
	1130	6	1003.1	1002.4	..	34.1	27.6	24.9	31.5	59	..	3.0	..	11.6	0	0	31	00	1	1	9	11	5	1	3	0	0
	1430	6	1000.8	1000.1	..	35.3	27.1	23.6	29.1	52	..	2.9	..	12.2	0	6	24	01	0	1	5	16	3	1	3	1	0
	1730	6	1000.2	999.5	-0.4	33.1	26.9	24.3	30.4	61	- 7	3.1	-0.9	10.8	0	1	29	01	1	0	9	14	3	0	2	1	0
	2030	6	1002.2	1001.5	..	28.9	26.2	25.1	31.9	80	..	3.3	..	11.8	0	4	25	00	2	3	7	15	2	0	0	2	0
	2330	6	1002.6	1001.9	..	27.8	25.9	25.1	31.9	85	..	4.2	..	10.5	0	0	29	00	0	0	6	16	7	0	0	2	0
CALCUTTA	0830	6	1004.3	1003.6	-0.1	31.5	27.6	26.0	33.6	73	- 1	3.4	-0.8	12.0	0	3	28	02	0	1	3	13	8	3	1	0	0
	1130	6	1003.2	1002.5	..	34.7	28.2	25.7	33.0	60	..	3.1	..	12.3	0	4	27	00	0	2	2	14	6	6	1	0	0
	1730	6	1000.3	999.6	-0.2	33.1	27.6	25.3	32.2	65	- 2	2.8	-1.0	14.1	0	5	26	02	0	1	2	21	5	0	0	0	0
MIDNAPORE	0830	45	1004.0	999.0	+0.1	30.7	25.6	23.3	28.6	66	- 2	1.6	-1.6	2.6	0	0	21	00	3	0	0	8	9	1	0	10	0
	1730	45	999.4	994.4	-0.3	35.0	26.0	21.9	26.3	49	- 8	2.5	-1.8	4.5	0	0	26	00	1	0	3	10	9	0	0	5	3
CONTAI	0830	11	1004.1	1002.9	+0.1	31.3	27.1	25.3	32.2	71	- 5	2.5	-1.5	14.1	0	10	20	02	0	0	0	16	11	1	0	1	0
	1730	11	1000.5	999.3	-0.1	30.6	27.5	25.9	33.4	77	- 3	2.5	-1.4	16.8	0	7	24	00	0	0	2	22	7	0	0	0	0
SAGAR ISLAND	0830	3	1004.1	1003.8	-0.3	30.1	27.8	26.9	35.4	83	+ 6	5.2	+0.4	25.9	0	22	9	01	0	0	4	13	11	1	1	0	0
	1730	3	1000.4	1000.1	-0.7	30.5	27.9	26.9	35.4	81	+ 0	4.0	-0.5	30.5	0	28	3	01	0	0	12	15	3	0	0	0	0
SANDHEADS	0530	10	1002.4	1001.3	..	28.8	26.9	26.1	33.8	86	..	5.2	..	26.6	0	20	11	00	0	0	0	5	23	2	1	0	0
	0830	10	1004.4	1003.3	-0.6	30.4	27.5	26.3	34.2	80	- 2	4.6	+0.5	21.5	0	14	16	01	0	0	0	7	21	1	0	1	0
	1130	10	1003.9	1002.8	..	30.9	27.8	26.6	34.8	78	..	4.8	..	22.0	0	15	16	01	0	0	1	8	19	2	0	0	0
	1730	10	1000.7	999.6	-0.9	30.0	27.7	26.8	35.2	84	- 1	4.5	+1.0	26.1	0	20	10	00	0	0	2	11	17	0	0	1	0
	2330	10	1002.8	1001.7	..	29.2	27.3	26.5	34.6	85	..	1.2	..	27.7	1	19	11	00	0	0	2	7	20	1	1	0	0
ORISSA																											
BARIPADA	0830	54	1004.7	998.7	-0.9	31.3	26.3	24.1	30.1	66	- 3	2.1	-1.3	3.9	0	0	25	03	2	0	5	9	5	1	0	6	0
	1730	54	1000.4	994.4	+0.9	34.3	26.5	23.1	28.3	54	+ 3	2.5	-1.8	5.2	0	0	26	00	1	1	11	10	1	0	0	5	2
JHARSUGUDA	0230	230	1000.5	975.1	..	28.8	21.8	17.8	20.4	53	..	1.8	..	5.2	0	0	17	02	1	2	4	3	2	1	0	14	0
	0530	230	1001.7	976.1	..	26.9	21.6	18.7	21.6	62	..	2.1	..	5.5	0	0	22	00	5	3	7	3	2	1	1	9	0
	0830	230	1003.3	978.2	+0.0	33.1	24.0	19.3	22.4	45	+ 0	1.3	-1.3	8.1	0	0	26	02	3	5	4	5	4	2	1	5	0
	1130	230	1002.1	977.4	..	38.3	24.6	17.3	19.7	31	..	1.5	..	10.5	0	3	26	02	7	0	6	3	4	6	1	2	0
	1430	230	998.8	974.4	..	41.0	24.9	16.1	18.3	24	..	2.2	..	11.8	0	0	28	03	4	0	1	3	5	11	1	3	0
	1730	230	997.5	973.0	+0.3	39.7	24.4	15.9	18.1	26	+ 1	2.5	-1.5	10.8	0	2	27	01	1	1	6	7	4	8	1	2	0
	2030	230	999.8	974.9	..	34.5	23.2	16.9	19.3	36	..	2.3	..	7.9	0	3	20	00	1	1	6	11	2	2	0	8	0
	2330	230	1001.2	975.9	..	30.8	22.1	17.1	19.5	46	..	2.1	..	8.3	0	3	19	01	2	4	6	3	1	2	3	9	0
KEONJHARGARH	0830	463	1004.0	953.9	+0.0	30.3	23.0	19.5	22.7	53	+ 0	0.6	-1.9	1.0	0	0	15	04	1	1	1	2	0	6	0	16	0
	1730	463	998.6	949.2	-1.0	35.4	22.1	14.8	16.8	32	- 6	0.9	-3.3	1.8	0	0	25	00	7	0	0	1	13	3	1	6	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — MAY 1967 (VAISAKHA - JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or M. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 62 or more	20 to 61	1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORRISA (CONTD)																											
BALASORE	0830	20	1004.2	1002.0	+0.2	30.7	26.4	24.5	30.7	71	+ 0	2.3	-2.3	15.9	0	11	20	04	1	1	0	7	17	0	1	0	0
	1730	20	1000.1	997.9	-0.1	31.6	27.2	25.4	32.4	71	- 1	2.7	-2.3	17.2	0	10	21	00	1	0	4	24	2	0	0	0	0
SAMBALPUR	0830	148	1002.9	986.7	-0.7	34.1	23.4	17.5	20.0	38	-12	0.6	-1.8	2.0	0	0	19	00	2	0	0	3	10	2	2	12	0
	1730	148	999.7	983.6	+1.3	35.7	23.5	16.6	18.9	35	+ 6	1.1	-2.4	0.8	0	0	7	00	0	0	0	0	7	0	0	24	0
ANGUL	0830	139	1003.8	988.5	-0.3	31.9	25.9	23.2	28.4	61	- 3	2.4	-1.1	3.2	0	0	28	07	2	14	2	1	0	1	1	3	0
	1730	139	999.1	984.4	+0.4	38.0	24.8	17.9	20.5	33	- 3	3.8	-1.3	4.8	0	0	30	04	0	13	3	4	0	5	1	1	0
CHANDBALI	0830	6	1004.7	1004.0	+0.1	30.9	27.1	25.5	32.6	73	+ 1	3.0	-1.1	9.4	0	3	28	00	3	3	6	3	14	1	1	0	0
	1730	6	1000.6	999.9	-0.3	32.4	26.9	24.5	30.7	65	- 3	2.7	-0.7	17.5	0	11	20	00	0	4	19	6	2	0	0	0	0
BOLANGIR	0830	190	1003.7	982.7	-0.2	34.0	26.3	22.9	27.9	55	- 8	1.0	-2.5	4.7	0	0	28	01	0	3	3	13	6	1	1	3	0
	1730	190	999.1	978.7	-0.6	40.0	27.1	21.3	25.3	36	- 8	1.7	-3.1	2.9	0	0	27	00	1	1	1	11	1	9	3	4	0
PHULBANI	0830	464	1000.1	950.1	..	31.4	23.1	19.1	22.0	49	..	0.6	..	0.3	0	0	3	02	0	0	0	1	0	0	0	28	0
	1730	464	995.6	946.6	..	36.5	22.8	15.5	17.6	30	..	0.9	..	0.9	0	0	11	07	0	0	0	0	0	4	0	20	0
CUTTACK	0830	27	1004.3	1001.4	-0.1	31.3	27.1	25.4	32.4	71	+ 0	2.1	-2.1	7.7	0	1	26	02	0	1	0	7	13	4	0	4	0
	1730	27	1000.3	997.4	+0.0	34.5	27.4	24.5	30.7	56	- 2	2.4	-2.1	10.3	0	2	27	00	0	2	5	9	13	0	0	2	0
TITLAGARH	0830	211	1002.3	979.3	-1.3	33.1	25.0	21.1	25.0	50	+ 4	0.6	-2.0	1.7	0	0	27	00	0	0	8	0	17	0	2	4	0
	1730	211	998.2	975.7	+0.0	39.9	25.2	17.5	20.0	29	+ 2	0.9	-2.4	1.4	0	0	21	00	1	0	6	0	12	0	2	10	0
BHUBANESWAR	0230	46	1002.0	996.9	..	28.1	26.2	25.4	32.4	85	..	4.1	..	21.7	0	16	15	00	1	0	0	4	25	1	0	0	0
	0530	46	1002.8	997.6	..	27.7	26.1	25.4	32.4	87	..	5.2	..	18.8	0	12	17	01	1	0	0	4	23	0	0	2	0
	0830	46	1004.4	999.3	+0.3	31.4	26.7	24.7	31.1	69	+ 1	3.8	-0.5	22.6	1	19	11	00	1	1	0	3	23	2	1	0	0
	1130	46	1003.4	998.3	..	36.1	26.4	22.0	26.4	45	..	2.5	..	24.2	1	18	9	01	2	0	2	1	19	3	0	3	0
	1430	46	1000.9	995.9	..	37.4	26.6	21.7	25.9	41	..	3.5	..	23.5	0	16	15	02	3	1	1	7	16	1	0	0	0
	1730	46	1000.7	995.6	+0.3	32.8	26.4	23.6	29.1	59	- 2	4.2	-0.7	28.3	0	23	8	00	1	1	3	8	18	0	0	0	0
	2030	46	1002.7	997.6	..	29.9	26.5	25.1	31.9	76	..	3.1	..	22.8	0	17	14	00	0	0	1	6	22	2	0	0	0
	2330	46	1003.0	997.9	..	28.9	26.5	25.5	32.6	82	..	3.8	..	20.1	0	14	17	00	1	0	0	6	24	0	0	0	0
PURI	0830	6	1004.5	1003.8	-0.4	30.2	27.8	26.9	35.4	84	+ 2	3.4	-0.9	15.2	0	11	20	00	1	0	3	5	21	1	0	0	0
	1730	6	1001.1	1000.4	-0.3	30.1	28.0	27.2	36.1	84	- 2	4.4	+0.2	16.4	0	10	21	00	0	1	3	12	15	0	0	0	0
GOPALPUR	0530	17	1002.6	1000.7	..	27.3	26.2	25.7	33.0	91	..	3.8	..	19.2	0	17	11	01	0	0	1	6	19	1	0	3	0
	0830	17	1004.4	1002.5	-0.2	29.1	26.9	26.0	33.6	84	+ 3	2.5	-1.0	20.3	0	18	12	01	0	1	0	6	21	1	0	1	0
	1130	17	1003.9	1002.0	..	31.0	27.6	26.3	34.2	77	..	1.8	..	24.3	0	21	10	00	0	1	1	12	16	1	0	0	0
	1730	17	1001.2	999.3	+0.0	29.4	27.3	26.5	34.6	85	- 1	4.9	+0.3	23.4	0	23	7	00	0	0	1	8	21	0	0	1	0
	2330	17	1003.4	1001.5	..	28.0	26.7	26.1	33.8	90	..	2.9	..	25.4	0	23	7	00	0	1	1	5	22	0	1	1	0
KORAPUT	0830	913	1483.4	906.9	-0.4	26.9	20.4	16.9	19.3	55	- 8	5.4	+2.4	4.[illegible]	0	0	26	01	0	1	7	7	8	0	2	0	0
	1730	913	1461.4	903.7	-0.7	32.2	21.3	15.3	17.4	39	-10	5.9	+0.8	6.0	0	0	21	03	0	0	4	7	2	0	5	0	0
BIHAR PLATEAU																											
DUMKA	0830	149	1003.7	987.3	+0.1	31.2	24.8	21.8	26.1	59	- 3	1.6	-1.0	2.7	0	0	19	00	3	2	5	3	4	2	0	12	0
	1730	149	998.2	982.1	-0.8	35.5	25.1	19.9	23.2	43	- 5	1.6	-1.6	3.4	0	0	18	00	1	1	6	2	2	5	1	13	0
DALTONGANJ	0830	221	1002.4	978.3	+0.0	34.3	21.5	13.3	15.3	30	- 6	0.7	-1.4	0.8	0	0	6	00	1	0	1	0	4	0	0	25	0
	1730	221	998.2	974.5	+0.6	38.3	21.3	9.0	11.5	18	- 5	1.9	-1.5	4.0	0	0	29	00	7	0	2	0	0	0	20	2	0
HAZARIBAGH	0830	611	1002.4	936.8	-0.2	30.9	20.2	13.9	15.9	38	- 5	2.4	-1.4	11.2	0	2	27	03	2	0	3	6	7	2	6	2	0
	1730	611	997.5	933.1	-0.3	35.1	20.2	10.6	12.8	25	- 7	2.9	-1.4	13.2	0	4	26	09	3	0	2	2	1	0	13	1	0
DHANBAD	0830	257	1002.9	974.6	-0.8	30.4	23.6	20.1	23.5	56	+ 2	0.7	-1.2	2.7	0	0	22	00	0	3	10	2	0	7	0	9	0
	1730	257	998.4	970.6	..	35.4	23.3	16.5	18.8	33	..	1.8	..	3.2	0	0	24	00	1	4	7	0	0	10	2	7	0
RANCHI	0830	655	1005.0	934.0	+1.4	27.9	20.0	17.3	19.7	48	+ 2	1.0	-1.0	1.2	0	0	19	00	3	0	1	0	1	1	13	11	0
	1730	655	1000.8	930.9	+1.9	31.4	21.0	15.2	17.3	41	+ 6	2.4	-1.1	1.4	0	0	22	03	3	0	2	0	1	0	13	9	0
RANCHI AERODROME	0530	652	1001.9	930.8	..	24.7	18.8	15.3	17.4	58	..	1.8	..	6.5	0	2	15	00	1	3	0	3	2	4	4	14	0
	0830	652	1002.2	932.3	+0.5	30.3	20.3	14.5	16.5	41	- 2	0.8	-2.2	14.6	0	10	18	05	0	3	3	1	9	4	3	3	0
	1130	652	1000.7	931.8	..	34.5	20.6	12.1	14.1	28	..	0.8	..	21.2	0	18	12	03	1	2	1	1	5	9	8	1	0
	1430	652	997.9	929.6	..	36.2	20.7	10.9	13.0	23	..	2.0	..	22.1	0	13	18	00	0	2	1	4	0	10	14	0	0
	1730	652	997.4	928.6	-0.2	34.3	19.9	10.5	12.7	28	- 3	2.4	-2.0	17.7	0	10	21	03	0	4	0	2	2	5	15	0	0
	2030	652	1000.2	930.4	..	30.5	19.5	12.6	14.6	37	..	1.8	..	10.7	0	4	21	01	3	3	2	1	1	3	11	6	0
JAMSHEDPUR	0830	129	1002.5	988.2	-1.1	31.0	24.3	21.0	24.9	56	- 1	1.5	-0.9	2.6	0	0	24	03	0	2	2	1	4	5	7	7	0
	1730	129	997.8	983.9	-0.2	38.2	22.8	13.7	15.7	25	- 8	1.9	-2.2	3.0	0	0	20	03	1	3	1	2	4	5	1	11	0
JAMSHEDPUR P.B.O.	0530	142	1002.1	986.2	..	26.4	22.8	21.0	24.9	72	..	2.3	..	2.5	0	0	13	00	2	3	1	1	3	1	2	18	0
	0830	142	1003.5	987.8	+0.6	31.1	24.8	21.9	26.3	55	+ 3	1.9	-0.9	4.1	0	0	24	01	2	3	1	4	8	4	1	7	0
	1130	142	1002.0	986.6	..	36.7	23.9	16.9	19.3	33	..	1.4	..	5.9	0	0	29	03	1	2	1	9	5	3	5	2	0
	1430	142	998.9	983.8	..	39.4	23.2	13.2	15.2	23	..	1.8	..	7.3	0	0	30	03	1	0	2	3	7	2	12	1	0
	1730	142	997.9	982.7	+0.2	37.9	22.5	12.7	14.7	24	- 8	2.7	-2.3	6.4	0	1	26	02	2	2	4	1	7	6	3	4	0
	2030	142	1000.6	985.1	..	32.5	22.9	17.3	19.7	42	..	2.5	..	6.0	0	0	23	02	4	10	2	2	2	1	0	8	0
	2330	142	1001.6	985.9	..	29.7	23.5	20.3	23.8	58	..	2.2	..	5.8	0	1	22	00	3	10	1	5	2	1	1	8	0
CHAIBASA	0830	226	1002.6	977.[illegible]	-0.9	30.9	23.7	19.9	23.2	54	- 1	1.8	-1.8	2.1	0	0	18	01	1	0	2	0	10	2	1	13	1

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY 1967 (ISAKHA - JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BIHAR PLATEAU(CONTD.)																											
CHAIBASA. (CONTD.)	1730	226	1000.0	975.7	+1.8	37.9	22.7	13.2	15.2	25	-11	3.4	-2.0	3.0	0	0	24	01	8	0	3	1	5	1	5	7	0
BIHAR PLAINS																											
MOTIHARI	0830	66	1003.5	996.1	-0.3	29.5	24.0	21.5	25.3	63	+ 0	2.6	+0.9	6.8	0	0	29	00	5	21	1	0	0	0	2	2	0
	1730	66	999.0	991.7	-0.3	34.6	25.1	20.8	24.6	45	- 5	0.2	-1.2	4.4	0	0	21	03	4	6	1	0	1	1	5	10	0
FORBESGANJ	0830	61	1004.4	997.6	+0.5	27.8	24.0	22.2	26.7	72	+ 4	3.8	-0.1	5.5	0	0	30	00	5	20	5	0	0	0	0	1	0
	1730	61	999.8	993.1	+0.6	32.4	25.1	19.9	23.2	54	+ 5	1.7	-0.4	2.5	0	0	24	00	3	13	5	0	1	2	0	7	0
DARBHANGA	0830	49	1004.0	998.5	+0.0	31.3	25.8	23.3	28.6	65	+ 0	1.2	-1.3	5.6	0	1	22	00	3	12	7	0	1	0	0	8	0
	1730	49	999.2	993.8	-0.1	35.1	27.4	24.1	30.0	54	+ 8	0.0	-1.2	2.4	0	0	18	00	4	7	5	0	0	1	1	13	0
MUZAFFARPUR	0830		..	..	..	31.0	25.3	22.7	27.6	62	..	0.8	..	6.0	0	0	27	02	6	16	0	3	0	0	0	4	0
	1730		..	..	..	35.9	24.7	18.9	21.8	40	..	0.7	..	2.7	0	0	14	00	2	9	0	0	0	2	1	17	0
CHAPRA	0830	58	1003.0	996.5	..	31.9	23.7	19.5	22.7	48	..	0.6	..	3.9	0	0	30	01	14	0	6	0	7	0	2	1	0
	1730	58	998.7	992.4	..	37.6	24.3	17.1	19.5	32	..	0.7	..	3.1	0	0	26	01	8	0	4	0	11	0	2	5	0
PURNEA	0830	38	1004.4	1000.2	-0.2	27.6	24.4	22.9	27.9	76	+ 6	3.8	+0.1	3.2	0	0	31	01	5	25	0	0	0	0	0	0	0
	1730	38	999.8	995.6	-0.1	32.1	25.4	22.3	26.9	59	+ 3	1.0	-1.2	1.7	0	0	21	01	4	14	0	0	0	2	0	10	0
PATNA	0830	53	1003.1	997.2	-0.2	30.5	23.1	19.2	22.2	53	- 3	0.9	-1.1	9.3	0	1	29	00	15	6	1	1	3	3	1	1	0
	1730	53	998.5	992.8	-0.1	37.1	23.7	16.1	18.3	30	- 6	0.9	-0.8	8.5	0	0	29	02	10	4	0	0	0	12	1	2	0
PATNA AERODROME	0230	60	(R)																								
	0530	60	1001.0	994.2	..	26.0	21.6	19.2	22.2	67	..	1.5	..	8.7	0	2	27	00	2	17	3	1	1	3	2	2	0
	0830	60	1002.7	995.9	+0.4	31.1	23.0	18.8	21.7	50	- 1	1.1	-0.6	13.7	0	5	26	01	1	15	2	2	1	5	3	0	1
	1130	60	1001.9	995.4	..	36.4	23.3	15.7	17.8	32	..	0.9	..	15.6	0	9	22	02	5	9	2	0	0	2	6	0	5
	1430	60	999.3	992.8	..	38.8	23.1	13.5	15.5	24	..	1.3	..	17.2	0	9	22	03	3	6	1	0	0	6	10	0	2
	1730	60	997.8	991.3	+0.3	37.9	22.8	13.5	15.5	25	- 3	1.1	-0.3	13.7	0	6	25	00	5	8	1	0	0	7	10	0	0
	2030	60	1000.1	993.4	..	32.3	22.6	17.1	19.5	41	..	1.1	..	9.9	0	4	21	01	4	8	1	1	2	6	2	6	0
	2330	60	1000.9	994.2	..	29.1	22.1	18.2	20.9	53	..	1.3	..	11.7	0	5	20	02	6	10	1	0	0	6	0	6	0
BHAGALPUR	0530	49	1001.8	996.3	..	25.8	23.2	21.9	26.3	80	..	3.9	..	4.3	0	0	29	00	2	16	5	1	2	2	0	2	1
	0830	49	1003.7	998.3	+0.1	29.8	24.9	22.7	27.6	67	+ 7	3.1	+0.4	3.9	0	0	31	00	5	12	8	2	2	1	1	0	0
	1130	49	1003.0	997.6	..	34.4	25.6	21.5	25.6	49	..	2.9	..	5.0	0	0	31	00	6	13	5	0	1	2	3	0	1
	1730	49	999.4	994.1	+0.1	34.9	25.0	20.1	23.5	44	+ 1	2.7	+0.7	5.4	0	0	31	04	5	12	2	2	0	5	2	0	0
	2330	49	1001.9	996.5	..	29.2	24.0	21.5	25.6	65	..	2.2	..	5.8	0	2	27	00	3	16	1	3	1	3	2	2	0
SABAUR	0830	37	1003.7	999.5	-0.2	29.4	26.0	24.5	30.7	76	+10	2.0	-1.1	9.3	0	2	29	02	3	15	4	0	0	2	5	0	0
	1730	37	999.0	994.9	-0.2	35.1	27.0	23.5	28.9	54	+ 5	1.8	-1.3	9.1	0	3	26	07	0	11	2	0	1	1	7	2	0
JAMUI	0830	82	(R)																								
	1730	82	(R)																								
DEHRI	0830	107	1002.1	990.3	+0.1	33.8	23.1	15.0	17.0	34	- 4	0.2	-1.3	3.8	0	0	30	03	3	3	4	2	5	7	3	1	0
	1730	107	997.3	985.8	+0.0	39.4	22.4	11.1	13.2	19	- 2	0.5	-0.9	6.1	0	0	31	01	8	3	0	0	0	16	3	0	0
GAYA	0230	116	1000.7	987.7	..	28.6	20.3	15.0	17.0	45	..	1.2	..	6.8	0	3	21	00	7	5	2	3	5	2	0	7	0
	0530	116	1001.4	988.4	..	27.1	20.0	15.5	17.6	51	..	1.3	..	7.2	0	3	25	00	5	8	5	4	3	3	0	3	0
	0830	116	1002.8	990.1	+0.2	33.6	21.8	14.5	16.5	34	- 5	0.7	-0.8	11.0	0	4	26	01	5	5	3	3	4	8	1	1	0
	1130	116	1002.0	989.5	..	38.3	22.6	12.6	14.6	23	..	0.7	..	14.6	0	9	22	04	5	1	1	2	0	9	9	0	0
	1430	116	999.5	987.1	..	40.4	22.6	10.7	12.9	18	..	0.9	..	17.7	0	12	19	06	4	2	0	0	0	11	8	0	0
	1730	116	998.2	985.7	+0.1	39.3	22.0	10.0	12.3	18	- 6	1.5	-0.4	15.7	0	7	24	04	6	2	1	0	0	8	10	0	0
	2030	116	1000.5	987.7	..	33.9	21.3	13.1	15.1	31	..	1.3	..	8.8	0	3	22	02	6	3	1	2	0	5	6	6	0
	2330	116	1001.4	988.6	..	30.8	20.9	14.6	16.6	39	..	1.3	..	8.7	0	4	19	01	6	7	1	2	1	5	0	8	0
UTTAR PRADESH EAST																											
KHERI	0830	147	(R)																								
	1730	147	(R)																								
BAHRAICH	0830	124	(R)																								
	1730	124	(R)																								
NAUTANWA	0830	99	1004.0	992.8	+0.7	30.1	22.8	18.4	21.1	51	+ 0	1.0	-0.2	7.9	0	1	29	00	4	14	6	0	0	3	3	1	0
	1730	99	999.1	988.3	+0.8	36.5	22.9	14.0	16.0	29	- 4	0.9	+0.0	4.1	0	0	28	01	5	4	3	0	2	4	9	3	0
HARDOI	0830	142	1002.7	986.9	+0.7	31.9	20.0	11.4	13.5	30	-13	0.5	-0.6	3.6	0	0	31	03	0	6	0	3	1	16	2	0	0
	1730	142	998.6	983.2	+0.5	37.5	21.2	8.6	11.2	19	- 8	0.7	-0.4	3.5	0	0	30	03	1	4	1	1	1	18	1	1	0
GONDA	0830	110	1002.9	990.8	-0.2	31.6	21.8	15.0	17.0	41	- 8	0.7	-0.7	4.5	0	0	30	02	0	18	0	0	0	1	9	1	0
	1730	110	998.4	986.6	+0.0	38.3	22.3	10.5	12.7	21	- 7	0.6	-0.5	3.4	0	0	23	02	0	3	0	0	0	7	11	8	0
LUCKNOW	0830	111	..	..	..	..	..	..	..	..	..	0.4	-0.8	1.2	0	0	15	00	0	10	0	0	0	5	0	16	0
	1730	111	..	..	..	..	..	..	..	..	..	0.6	-0.3	2.5	0	0	25	00	0	4	0	0	0	20	0	6	1
LUCKNOW(AMAUSI)	0230	128	1000.1	985.7	..	26.9	18.1	10.8	12.9	38	..	0.1	..	5.8	0	1	23	02	1	6	3	0	0	6	6	7	0
	0530	128	1000.7	986.4	..	25.4	17.8	11.9	13.9	45	..	0.6	..	5.8	0	0	22	01	2	6	2	1	0	6	4	9	0
	0830	128	1002.2	988.1	+0.2	32.0	20.4	11.8	13.8	32	- 6	0.6	-0.6	13.4	0	10	18	01	0	6	5	0	3	5	8	3	0
	1130	128	1001.8	987.9	..	37.3	21.4	8.5	11.1	20	..	0.4	..	19.5	0	15	16	02	1	4	8	0	0	3	13	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — — MAY ,1967(VAISAKHA - JYAISTHA,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs.: At station level	Mean pressure in mbs.: Departure from normal	Mean temperature in °C: Dry Bulb	Mean temperature in °C: Wet Bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.): 62 or more	Wind Speed (Km. p. h.): 20 to 61	Wind Speed (Km. p. h.): 1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																											
LUCKNOW(AMAUSI). (Contd.)	1430	128	999.4	985.7	..	39.8	21.5	6.8	9.9	15	..	0.5	..	18.5	0	12	18	02	2	4	3	1	0	5	13	1	0
	1730	128	997.9	984.2	+0.5	39.0	20.9	5.7	9.1	15	- 5	0.9	-0.2	14.6	0	12	17	02	5	2	0	1	0	4	15	2	0
	2030	128	999.6	985.7	..	33.2	19.6	9.5	11.9	25	..	0.5	..	5.5	0	2	19	04	1	2	2	0	0	7	5	10	0
	2330	128	1000.5	986.0	..	29.4	18.8	10.4	12.6	32	..	0.4	..	4.3	0	1	19	02	3	1	4	0	0	5	5	11	0
FAIZABAD	0830	102	1002.6	991.3	-0.2	31.2	22.0	16.0	18.2	43	- 6	1.0	-0.6	6.2	0	0	30	00	3	9	6	1	1	8	2	1	0
	1730	102	998.3	987.3	+0.0	37.1	22.7	12.7	14.7	26	- 4	0.9	-0.7	5.9	0	0	25	00	2	4	0	0	1	14	4	6	0
GORAKHPUR	0830	77	1002.8	994.3	-0.2	31.4	22.8	18.0	20.6	46	-10	0.9	-0.6	3.4	0	0	31	03	1	16	2	1	2	5	1	0	0
	1730	77	998.6	990.2	-0.1	38.0	22.9	12.2	14.2	24	-12	0.5	-0.8	2.6	0	0	29	02	0	7	0	0	0	18	2	2	0
GORKHPUR P.B.O.	0230	77	..	..	..	..	..	..	..	..	..	0.5	..	6.6	0	1	23	04	2	7	2	0	1	7	1	7	0
	0530	77	..	..	..	..	..	..	..	..	..	0.8	..	6.8	0	0	27	03	3	11	2	0	1	5	2	4	0
	1130	77	..	..	..	..	..	..	..	..	..	1.0	..	12.7	0	6	25	01	3	8	4	5	0	5	5	0	0
	1430	77	..	..	..	..	..	..	..	..	..	1.1	..	11.1	0	5	26	01	2	4	6	3	3	6	6	0	0
	2030	77	..	..	..	..	..	..	..	..	..	0.6	..	5.0	0	0	20	01	4	5	0	1	1	7	1	11	0
	2330	77	..	..	..	..	..	..	..	..	..	0.8	..	7.5	0	3	21	02	4	5	3	1	3	5	1	7	0
KANPUR	0830	126	1002.8	988.7	+0.1	31.7	20.4	12.0	14.0	33	- 2	0.5	-0.4	8.1	0	0	29	01	0	12	0	0	0	13	3	2	0
	1730	126	998.8	985.2	+0.5	39.4	21.8	8.6	11.2	18	- 3	1.3	+0.3	9.5	0	0	31	04	1	5	1	0	0	13	7	0	0
KANPUR(AERODROME)	0530	126	1001.0	986.9	..	26.1	17.8	11.1	13.2	41	..	0.7	..	6.2	0	0	25	02	0	5	2	2	0	9	5	6	0
	0830	126	1002.5	988.6	..	32.8	20.6	11.3	13.4	29	..	0.8	..	9.6	0	2	28	00	1	4	5	3	1	10	6	1	0
	1130	126	1002.0	988.4	..	39.0	21.8	9.2	11.6	19	..	0.7	..	19.6	0	10	21	01	0	4	5	1	0	6	13	0	1
	1730	126	998.2	984.7	..	39.1	21.4	7.4	10.3	17	..	1.1	..	14.4	0	4	26	02	3	3	1	0	0	7	14	1	0
	2330	126	1000.7	986.8	..	30.3	19.4	10.0	12.3	29	..	0.3	..	7.1	0	1	18	03	1	2	2	0	0	4	7	12	0
SULTANPUR	0830	97	1003.2	992.6	+0.3	32.4	21.5	14.3	16.3	35	- 8	0.8	-0.5	3.8	0	0	27	00	2	11	2	0	2	9	1	4	0
	1730	97	998.1	987.7	-0.6	39.6	23.8	13.3	15.3	24	- 1	0.7	-0.4	3.5	0	0	28	00	2	5	1	0	0	15	5	3	0
AZAMGARH	0830	78	1002.7	994.7	+1.2	32.1	24.4	20.6	24.3	54	+ 2	0.5	-0.2	6.2	0	0	29	00	7	7	4	1	2	7	1	2	0
	1730	78	998.2	989.8	+0.5	38.6	25.7	18.6	21.4	33	- 2	0.6	+0.1	4.0	0	0	27	03	5	3	0	0	0	15	1	4	0
FATEHPUR	0830	114	1002.6	990.1	+0.4	33.5	21.7	13.7	15.7	32	- 7	0.3	-1.0	7.8	0	0	29	02	0	9	1	0	3	9	5	2	0
	1730	114	998.3	986.1	+0.5	39.9	23.1	11.7	13.7	20	- 5	0.7	-0.6	12.8	0	8	23	01	6	3	1	0	0	5	15	0	0
BALLIA	0830	64	1003.5	996.4	+0.7	31.6	24.6	21.0	24.9	56	+11	1.1	-0.3	2.0	0	0	21	00	1	10	1	0	1	6	2	10	0
	1730	64	999.3	992.2	+0.5	38.7	28.8	24.8	31.3	46	+20	0.5	-0.5	2.5	0	0	24	00	4	7	1	0	0	10	2	7	0
BANDA	0830	121	1001.2	988.0	-1.2	34.5	26.2	22.5	27.3	50	+15	0.2	-0.6	2.1	0	0	26	00	5	0	4	0	14	0	3	5	0
	17?0	121	997.3	984.4	-0.8	41.6	29.8	25.1	31.9	40	+15	0.6	-0.9	3.4	0	0	31	00	6	0	1	0	19	0	5	0	0
ALLAHABAD(BAMHRAULI)	0230	98	1000.2	989.3	..	29.0	19.2	11.8	13.8	36	..	0.4	..	2.7	0	0	18	02	6	3	0	0	1	4	2	13	0
	0530	98	1001.0	990.0	..	27.0	18.6	12.1	14.1	42	..	0.8	..	2.9	0	0	19	00	5	3	1	1	2	6	1	12	0
	0830	98	1002.7	991.9	+0.3	33.3	20.9	11.5	13.6	30	- 5	0.6	-0.8	5.6	0	0	26	03	4	3	2	2	0	11	1	5	0
	1130	98	1002.1	991.5	..	39.4	22.2	9.2	11.6	19	..	0.3	..	9.3	0	2	26	01	2	4	1	0	0	12	8	3	0
	1430	98	999.5	988.9	..	41.6	22.2	6.9	9.9	14	..	0.8	..	11.5	0	4	27	03	7	2	0	0	0	14	5	0	0
	1730	98	998.1	987.7	+0.4	40.0	22.0	8.3	10.9	17	- 2	0.8	-0.7	7.5	0	0	31	05	5	0	1	0	1	7	12	0	0
	2030	98	999.8	989.1	..	34.7	21.5	12.4	14.4	27	..	0.3	..	2.0	0	0	17	01	6	1	1	0	0	2	6	14	0
	2330	98	1000.7	989.9	..	31.4	20.2	12.2	14.2	32	..	0.4	..	0.2	0	0	13	03	2	3	0	0	0	2	3	18	0
VARANASI(BABATPUR)	0530	85	1001.0	991.3	..	26.4	19.5	13.9	17.6	49	..	0.8	..	5.9	0	0	23	01	2	7	1	1	4	5	1	8	1
	0830	85	1002.6	993.1	-0.2	32.6	21.2	12.6	14.9	34	- 3	0.6	-0.7	12.0	0	4	27	02	2	8	5	0	2	7	3	0	2
	1130	85	1002.0	992.7	..	38.1	22.1	9.9	13.9	21	..	0.4	..	15.6	0	5	25	02	3	5	2	0	1	7	9	1	1
	1730	85	998.1	988.8	-0.3	39.1	21.5	7.2	10.1	17	- 5	0.6	-0.6	16.5	0	8	22	02	4	3	0	0	0	8	12	1	1
	2330	85	1000.7	991.5	..	30.9	19.9	11.6	14.7	32	..	0.7	..	6.4	0	2	18	00	3	6	0	0	0	10	1	11	0
VARANASI	0830	76	1002.6	994.2	+0.2	31.9	21.6	13.8	15.7	36	- 8	0.2	-1.4	3.4	0	0	28	01	5	4	0	1	0	13	4	3	0
	1730	76	998.1	990.?	+0.4	39.9	22.3	9.3	11.7	17	- 7	0.7	-0.7	3.9	0	0	26	01	4	2	0	0	0	13	6	5	0
UTTAR PRADESH WEST																											
MUKHIM	0830		..	..	..	19.5	11.3	4.0	8.1	36	- 8	1.9	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
	1730		..	..	..	20.9	11.8	3.5	7.9	33	- 4	2.8	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
TEHRI	0830	770	..	..	..	23.4	15.4	9.4	11.8	41	- 5	1.8	+0.0	1.5	0	0	14	02	6	2	0	0	1	2	1	17	0
	1130	770	..	..	..	31.1	17.4	6.6	9.7	23	..	2.4	..	2.5	0	0	20	05	5	4	2	1	0	3	0	11	0
	1730	770	..	..	..	34.0	17.7	4.0	8.1	18	- 7	2.3	-1.0	4.9	0	0	25	01	2	0	1	2	6	8	5	6	0
DEHRA DUN	0530	682	1002.1	927.0	..	21.2	15.1	10.1	12.3	50	..	1.0	..	0.8	0	0	7	03	3	0	0	0	0	0	1	24	0
	0830	682	1002.6	928.6	-0.1	26.9	18.2	12.5	15.5	41	+ 0	0.9	-0.9	0.5	0	0	6	01	1	0	1	0	0	3	0	25	0
	1130	682	1002.4	928.9	..	32.4	19.9	11.5	13.6	28	..	1.2	..	1.7	0	0	15	00	1	0	2	3	5	2	2	16	0
	1730	682	997.5	925.8	+0.1	34.1	20.4	11.7	13.7	26	+ 0	-1.3	-1.2	2.0	0	0	22	02	0	1	1	4	4	8	2	9	0
	2330	682	1001.9	927.6	..	25.5	17.1	10.2	12.4	39	..	0.9	..	1.1	0	0	9	06	2	0	0	0	0	1	0	22	0
MANSIARI	0830		..	..	..	18.4	9.7	0.8	6.5	31	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	17.8	10.1	2.7	7.4	37	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ROORKEE	0830	274	1003.5	973.1	+1.0	28.2	18.6	11.2	13.3	36	- 1	1.4	-0.4	1.1	0	0	16	00	0	0	4	0	1	0	11	15	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — MAY 1967 (VAISAKHA - JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gms. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 32 or more	20 to 31	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST (CONTD.)																											
ROORKEE..(Contd.)	1730	274	999.9	970.5	+2.2	37.2	21.8	11.0	13.1	22	+ 2	1.6	-0.4	1.5	0	0	21	00	1	0	2	0	0	0	18	10	0
NAJIBABAD	0830	270	1003.2	973.4	+0.7	29.2	19.8	13.4	14.0	39	+ 0	0.7	-0.3	4.6	0	0	29	00	1	6	1	1	1	16	3	2	0
	1730	270	999.0	970.1	+0.4	37.4	23.0	14.0	16.0	26	+ 5	0.8	+0.1	4.7	0	0	30	00	0	4	0	0	0	23	3	1	0
MEERUT	0830	222	1002.0	977.5	-0.5	30.0	20.7	14.7	16.7	40	+ 2	0.0	-0.5	3.1	0	0	19	00	1	5	1	0	0	8	4	12	0
BAREILLY	0830	173	1002.4	983.3	+0.2	31.4	21.6	15.4	17.5	40	+ 1	1.1	-0.2	12.6	0	4	27	00	0	11	2	1	3	11	3	0	0
	1730	173	998.3	979.7	+0.8	37.9	22.4	11.7	13.8	23	+ 0	0.8	-0.5	6.6	0	0	30	02	0	1	0	1	2	24	0	1	0
BAREILLY P.B.O.	0230	172	1000.0	980.7	..	27.7	17.3	10.5	12.7	35	..	0.3	..	4.9	0	0	25	05	0	2	3	1	0	7	7	6	0
	0530	172	1000.9	981.5	..	26.3	17.5	11.8	13.8	42	..	1.0	..	4.6	0	0	27	01	2	8	3	0	0	8	5	4	0
	1130	172	1002.9	983.3	..	35.8	20.7	9.8	12.1	20	..	0.7	..	12.0	0	6	25	00	2	3	8	0	0	5	13	0	0
	1430	172	..	..	..	..	..	..	..	..	..	1.0	..	10.3	0	4	26	00	0	1	5	1	0	10	13	1	0
	2030	172	999.8	980.9	..	32.6	18.9	10.0	12.3	26	..	0.2	..	4.2	0	0	22	00	3	0	0	0	0	9	10	9	0
	2330	172	1000.1	981.3	..	29.8	17.9	10.0	12.3	30	..	0.5	..	5.2	0	1	23	00	1	2	3	1	1	8	8	7	0
ALIGARH	0830	187	1003.3	982.6	+0.9	31.7	20.2	12.0	14.0	31	- 4	0.9	-0.1	6.4	0	0	28	00	1	3	1	3	2	9	9	3	0
	1730	187	999.2	979.1	+1.1	38.6	21.9	8.9	11.4	19	- 3	1.0	-0.4	5.9	0	0	27	04	0	2	0	2	0	15	4	4	0
MAINPURI	0830	157	1003.0	985.8	+0.7	32.6	21.4	14.2	16.2	34	- 1	0.4	-1.0	7.8	0	5	23	00	0	4	2	0	2	20	0	3	0
AGRA	1730	157	998.5	981.6	+0.4	39.5	23.7	13.9	15.8	24	+ 1	0.8	-0.7	11.8	0	8	20	00	0	3	0	1	0	24	0	3	0
	0830	169	1003.0	984.4	+0.5	33.3	22.1	15.4	17.5	36	+ 6	0.1	-1.0	..	.	..	..	..	..	..	..	..	..	..	..	..	..
AGRA AERODROME	1730	169	998.6	980.6	+0.4	40.2	24.6	16.0	18.2	25	+ 4	0.5	-1.0	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	0230	169	1001.0	982.1	..	27.1	18.7	12.5	14.5	42	..	0.5	..	7.0	0	0	22	03	2	0	4	1	1	7	4	9	0
	0530	169	1001.6	982.6	..	25.2	18.3	13.1	15.1	49	..	0.8	..	9.5	0	0	22	01	0	1	3	1	1	7	8	9	0
	0830	169	1002.9	984.4	..	31.7	21.3	14.4	16.4	37	..	0.5	..	12.8	0	1	26	06	1	1	2	3	0	6	8	4	0
	1130	169	1002.5	984.3	..	38.6	23.2	12.8	14.8	23	..	0.1	..	15.2	0	9	19	04	2	0	3	3	1	3	11	3	1
	1730	169	998.6	980.6	..	39.7	22.4	9.4	11.8	18	..	0.9	..	19.2	0	10	21	13	3	2	0	0	1	4	8	0	0
	2330	169	1001.2	982.5	..	29.5	20.1	13.8	15.7	39	..	0.5	..	9.7	0	4	19	08	0	3	4	1	0	4	3	8	0
ORAI	0830	141	1002.1	986.8	-0.9	35.8	23.0	15.2	17.3	30	- 6	0.9	+0.0	4.1	0	0	31	04	14	0	0	0	0	2	11	0	0
	1730	141	998.3	983.2	-0.3	40.0	24.0	14.2	16.2	24	- 3	1.0	-0.5	4.1	0	0	31	11	7	0	0	0	0	4	9	0	0
JHANSI	0830	251	1003.3	975.8	+0.4	34.0	19.1	6.3	9.5	19	- 7	0.3	-0.9	1.4	0	0	16	03	0	1	0	[illegible]	0	9	1	15	0
	1730	251	997.4	970.4	-1.1	40.7	22.1	7.8	10.8	14	- 1	0.9	-1.4	1.5	0	0	18	05	0	2	0	1	0	10	0	13	0
HARYANA (INCLUDING DELHI AND CHANDIGARH)																											
CHANDIGARH	0830	347	1001.5	962.8	-0.5	27.2	18.5	12.2	14.2	41	+ 9	0.9	+0.1	1.6	0	0	13	00	6	2	2	0	1	0	2	17	0
	1730	347	998.5	960.9	+0.2	36.4	19.4	4.6	8.5	15	- 6	1.3	+0.5	5.0	0	0	25	00	6	0	5	0	13	0	1	6	0
AMBALA	0830	272	1002.5	972.3	+0.4	26.3	18.3	12.4	14.4	42	+ 6	0.3	-1.1	1.1	0	0	7	00	2	0	3	0	1	0	1	24	0
	1730	272	999.7	970.5	+2.0	36.7	21.6	11.0	13.1	23	+ 2	0.8	-0.8	4.6	0	0	28	00	3	0	14	0	3	0	8	3	0
AMBALA P.B.O.	0230	278	1009.4	969.8	..	28.5	17.1	9.3	11.7	31	..	0.4	..	5.1	0	0	19	01	5	0	3	0	0	0	10	12	0
	0530	278	1000.8	969.8	..	26.1	16.2	9.4	11.8	35	..	0.5	..	4.3	0	0	17	01	1	1	2	0	0	0	12	14	0
	1130	278	1001.7	971.9	..	35.3	19.7	10.0	12.3	24	..	0.9	..	11.2	0	7	19	01	1	0	9	1	0	0	14	5	0
	1430	278	1001.2	970.2	..	37.0	19.6	8.5	11.1	18	..	1.1	..	10.5	0	4	24	00	2	1	4	0	2	4	15	3	0
	2030	278	1000.2	979.9	..	33.4	18.5	9.0	11.5	23	..	0.6	..	6.3	0	0	22	02	2	0	2	0	0	1	15	9	0
	2330	278	1000.9	970.2	..	30.7	17.7	9.0	11.5	26	..	0.9	..	7.6	0	2	21	01	3	0	3	0	1	0	15	8	0
AMBALA AERODROME	0530	274	998.0	967.1	..	22.7	15.9	10.3	12.5	46	..	0.9	..	26.4	0	3	18	00	0	1	4	2	0	4	9	10	1
	0830	274	1001.9	971.8	..	30.6	19.2	10.9	13.0	30	..	0.7	..	13.7	0	6	20	03	1	4	3	0	0	3	11	5	1
	1130	274	1001.7	972.1	..	36.2	20.9	9.5	11.9	21	..	1.1	..	24.5	0	17	14	01	0	6	5	2	0	4	12	0	1
	1730	274	998.6	969.1	..	37.3	20.6	7.6	10.4	17	..	1.6	..	24.3	0	19	12	02	1	1	1	2	1	10	11	0	2
	2330	274	1001.0	970.7	..	27.8	17.7	9.5	11.9	32	..	0.6	..	12.8	0	7	17	04	3	2	0	0	0	5	10	7	0
KARNAL	0830	249	1002.4	975.1	+0.6	31.4	20.0	12.1	14.1	33	- 8	0.0	-1.4	4.1	0	0	29	03	1	6	1	0	0	7	11	2	0
	1730	249	999.3	972.4	+0.6	37.0	21.3	9.8	12.1	21	+ 2	0.6	-1.1	5.0	0	1	25	01	1	3	0	1	1	3	16	5	0
HISSAR	0530	221	1001.7	976.5	..	24.6	19.7	16.6	18.9	62	..	0.5	..	6.0	0	1	25	03	2	2	2	4	6	3	4	5	0
	0830	221	1003.3	978.7	+0.7	29.4	22.7	18.8	21.7	53	+12	0.1	-0.6	4.3	0	0	26	02	2	1	2	2	10	5	2	5	0
	1130	221	1002.6	978.6	..	37.1	26.9	21.8	26.1	43	..	0.2	..	7.0	0	0	29	04	1	1	4	4	3	6	6	2	0
	1430	221	1000.4	976.8	..	39.8	27.3	20.9	24.7	36	..	1.2	..	8.8	0	0	30	03	3	0	2	2	4	10	6	1	0
	1730	221	999.1	975.3	+0.7	39.1	25.5	18.2	20.9	31	+ 7	1.3	+0.3	6.6	0	1	29	05	0	0	1	1	2	13	8	1	0
	2330	221	1001.5	976.9	..	29.1	21.9	17.7	20.2	51	..	0.0	..	5.0	0	0	22	03	4	4	10	0	3	2	5	9	0
NEW DELHI/SAFDARJUNG	0230	216	1001.1	977.1	..	28.1	18.4	11.0	13.1	36	..	0.6	..	5.5	0	0	18	00	1	1	1	0	2	4	9	13	0
	0530	216	1001.6	977.4	..	26.1	17.4	10.6	12.8	39	..	0.8	..	5.7	0	1	19	00	0	1	2	1	6	6	4	11	0
	0830	216	1003.0	979.0	+0.7	30.5	19.5	11.5	13.6	32	+ 1	0.8	-0.4	11.4	0	7	23	03	4	1	1	0	1	4	16	1	0
	1130	216	1002.6	979.1	..	36.6	21.4	10.6	13.7	22	..	0.6	..	15.0	0	9	22	02	0	4	1	1	3	9	11	0	0
	1430	216	1000.5	977.3	..	38.7	21.4	8.3	10.9	17	..	1.8	..	15.8	0	10	19	03	1	3	1	0	2	5	14	2	0
	1730	216	999.1	975.9	+1.3	38.4	21.2	8.1	10.8	17	- 1	1.5	-0.3	14.0	0	4	26	01	1	0	3	0	4	14	7	1	0
	2030	216	1000.5	976.9	..	33.3	20.2	10.7	12.9	26	..	1.1	..	5.5	0	2	22	01	3	3	2	0	1	5	9	7	0
	2330	216	1001.5	977.6	..	30.2	19.3	11.4	13.5	32	..	0.8	..	5.7	0	0	23	04	1	4	0	0	1	4	9	8	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - - MAY 1967(ISAKHA - JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or lat. in gen. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HARYANA (INCLUDING DELHI AND CHANDIGARH) (CONTD.)																											
PALAM AERODROME	0230	233	1001.2	975.2	..	27.3	17.7	9.9	12.2	35	..	0.5	..	8.8	0	1	25	03	2	1	3	3	4	5	5	5	0
	0530	233	1001.7	975.6	..	24.7	16.7	10.3	12.5	42	..	1.1	..	9.5	0	1	26	01	0	0	1	1	13	9	2	4	0
	0830	233	1003.0	977.0	..	30.5	19.7	11.6	13.7	33	..	0.7	..	13.5	0	4	27	03	0	1	1	1	3	14	8	0	0
	1130	233	1002.6	977.4	..	36.8	20.7	7.4	10.3	18	..	0.7	..	18.3	0	13	18	08	1	3	1	2	1	5	10	0	0
	1430	233	1000.3	975.5	..	39.6	20.9	4.8	8.6	13	..	1.6	..	17.8	0	13	18	08	1	2	0	2	1	4	13	0	0
	1730	233	998.9	973.9	..	39.1	21.1	6.1	9.4	16	..	1.5	..	19.4	0	14	17	09	3	2	1	1	2	4	9	0	0
	2030	233	1000.4	974.9	..	33.7	19.7	9.0	11.3	23	..	1.2	..	11.4	0	5	25	05	5	4	5	0	2	3	6	1	0
	2330	233	1001.5	975.8	..	30.2	18.9	10.0	12.3	30	..	1.1	..	9.1	0	3	24	03	5	1	6	1	2	5	4	4	0
PUNJAB																											
PATHANKOT	0530	312	1001.8	966.8	..	23.5	15.3	8.1	10.8	40	..	2.1	..	12.2	0	4	19	04	14	3	0	1	1	0	0	8	0
	0830	312	1002.4	968.2	+0.8	30.2	17.3	6.7	9.8	24	- 1	1.9	-0.6	16.5	0	7	20	00	20	3	0	2	1	0	1	4	0
	1130	312	1002.1	968.4	..	35.1	18.9	5.2	8.8	17	..	2.7	..	16.6	0	9	20	03	4	1	1	11	2	4	3	7	0
	1730	312	999.3	965.7	+0.1	36.5	18.9	2.3	7.2	13	- 6	2.2	-1.0	27.9	0	20	11	01	5	0	0	2	8	13	2	0	0
	2330	312	1002.1	967.5	..	26.8	16.8	7.9	10.6	31	..	1.6	..	12.1	0	8	13	07	10	1	0	1	0	2	0	10	0
AMRITSAR	0530	234	1002.0	975.4	..	21.5	15.9	11.4	13.4	54	..	2.0	..	9.6	0	3	20	02	4	3	0	0	0	4	10	8	0
	0830	234	1002.9	976.9	+0.6	28.6	18.6	11.3	13.4	35	- 3	2.3	+0.4	13.7	0	6	25	08	6	5	3	0	2	1	6	0	0
	1130	234	1002.6	977.1	..	35.6	19.9	8.2	10.8	20	..	1.9	..	15.8	0	9	21	01	4	5	4	2	0	3	11	1	0
	1430	234	1000.9	975.7	..	37.6	20.0	5.2	8.8	14	..	1.8	..	19.0	0	15	16	03	3	3	2	2	2	7	9	0	0
	1730	234	999.6	974.4	+0.9	36.9	19.5	4.3	8.3	14	- 5	1.6	-0.1	17.9	0	11	19	02	2	1	2	1	2	8	12	1	0
	2030	234	1001.2	975.3	..	29.1	18.5	10.5	12.7	32	..	1.2	..	13.0	0	2	28	00	2	2	1	1	1	18	5	1	0
ADAMPUR AERODROME	0830	249	1002.6	975.1	..	29.2	20.7	15.2	17.3	43	..	1.5	..	10.4	0	5	17	04	3	4	4	2	2	1	2	9	0
	1730	249	999.8	972.9	..	35.6	22.5	14.1	16.1	29	..	1.7	..	20.7	0	13	17	03	2	1	2	1	2	10	9	1	0
LUDHIANA	0830	247	1002.6	975.4	+0.4	29.5	19.8	12.6	14.6	36	- 1	1.1	-0.2	2.4	0	0	22	00	5	0	4	1	4	0	8	9	0
	1730	247	999.5	972.7	+0.8	37.8	21.0	8.6	11.2	18	- 4	0.8	-0.9	8.2	0	0	29	02	3	0	2	1	1	0	20	2	0
FEROZEPUR	0830	200	1003.6	981.3	+1.7	28.5	19.6	13.2	15.2	39	- 9	0.7	-0.4	4.0	0	1	24	06	3	0	0	6	0	0	10	6	0
	1730	200	1002.2	980.5	+3.6	37.6	21.1	8.9	11.4	18	-10	0.5	-0.7	4.8	0	0	28	13	2	0	0	1	0	1	11	3	0
HALWARA AERODROME	0530	242	1002.1	974.6	..	20.4	15.9	11.1	13.2	55	..	1.3	..	5.5	0	2	12	04	0	1	2	1	1	1	4	17	0
	0830	242	1002.6	975.9	..	30.3	19.4	11.4	13.5	32	..	1.0	..	13.0	0	5	19	07	4	0	3	3	2	1	4	7	0
	1130	242	1002.3	976.2	..	36.3	20.9	9.5	11.9	20	..	1.1	..	17.0	0	9	22	08	1	1	5	5	2	2	7	0	0
	1730	242	999.4	973.4	..	37.1	20.6	7.7	10.5	18	..	1.5	..	19.0	0	16	14	05	0	1	1	1	1	4	17	1	0
	2330	242	1002.0	974.9	..	24.9	17.3	11.1	13.2	43	..	0.6	..	26.8	0	2	16	04	4	1	2	1	0	0	6	13	0
PATIALA	0830	251	1002.9	975.3	+0.8	29.6	19.3	12.0	14.0	35	- 1	0.5	-1.2	7.7	0	0	21	07	0	0	4	0	0	0	10	10	0
	1730	251	999.8	972.2	+0.9	36.9	20.7	8.5	11.1	18	- 2	2.0	+0.0	11.4	0	4	23	05	0	0	5	0	0	0	17	4	0
BHATINDA	0830	211	1003.1	979.8	..	31.5	23.9	19.4	22.5	49	+ 0	0.3	-0.7	3.0	0	0	21	00	1	0	10	0	1	0	9	10	0
	1730	211	999.3	976.5	..	38.0	26.6	20.3	23.7	38	- 1	0.2	-1.0	4.1	0	0	27	00	1	0	1	0	2	0	23	4	0
HIMACHAL PRADESH																											
MANDI	0830	761	1006.1	922.7	+2.0	23.2	17.0	12.9	14.9	54	+ 3	1.1	-1.0	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	761	999.0	918.7	+1.3	32.5	20.8	12.9	14.9	34	+ 4	2.4	-0.7	0.3	0	0	2	01	0	0	0	0	0	0	1	29	0
BILASPUR	0830	587	1003.5	939.4	+0.6	26.4	19.2	14.6	16.6	51	+ 8	1.2	-0.8	0.8	0	0	4	01	1	1	1	0	0	0	0	27	0
	1730	587	999.0	936.8	+1.3	34.3	20.5	10.4	12.6	27	+ 0	1.3	-1.5	3.2	0	0	22	00	3	1	0	1	4	7	6	9	0
JAMMU AND KASHMIR																											
MISGAR	0830		(R)																								
	1730		(R)																								
GILGIT	0830		(R)																								
	1730		(R)																								
SKARDU	0830		(R)																								
	1730		(R)																								
LEH	0530	3514	(R)																								
	0830	3514	3122.1	667.8	+0.2	6.2	2.5	-3.8	4.4	54	+15	3.4	+0.0	2.1	0	27	0	01	0	0	0	26	0	0	0	0	0
	1730	3514	3056.3	663.3	-0.7	12.4	6.2	0.9	6.5	44	+17	5.4	+0.7	8.6	0	0	31	07	4	0	0	0	11	8	1	0	0
SRINAGAR	0230	1587	1480.2	839.4	..	11.5	9.9	8.6	11.2	83	..	3.0	..	1.9	0	0	14	01	3	0	5	2	0	0	3	17	0
	0530	1587	1482.4	839.5	..	10.3	8.9	7.8	10.6	85	..	1.5	..	2.0	0	0	18	01	0	0	13	0	2	0	2	13	0
	0830	1587	1489.7	840.4	-0.1	14.5	11.1	8.5	11.1	69	- 2	2.5	-0.7	2.0	0	0	19	01	2	1	9	0	1	1	4	12	0
	1130	1587	1484.6	840.1	..	19.2	13.3	8.9	11.4	53	..	2.9	..	2.6	0	0	26	03	3	0	0	1	1	1	17	5	0
	1430	1587	1467.4	838.5	..	21.7	14.1	8.6	11.2	45	..	3.5	..	3.5	0	0	29	01	1	1	3	0	1	2	20	2	0
	1730	1587	1459.9	837.7	-0.1	20.5	13.3	7.9	10.6	45	- 4	4.7	-0.1	4.6	0	0	27	03	2	0	4	1	0	4	13	4	0
	2030	1587	1471.4	838.7	..	16.3	12.3	9.2	11.6	64	..	4.2	..	5.2	0	0	18	01	1	0	8	0	0	1	7	13	0
	2330	1587	1481.2	839.6	..	13.6	11.1	9.3	11.7	75	..	2.8	..	2.8	0	0	17	00	4	0	9	0	0	0	4	14	0
SRINAGAR AERODROME	0530	1666	1482.0	831.9	..	9.3	7.2	5.6	10.0	79	..	2.4	..	4.0	0	0	15	01	0	2	0	3	3	5	1	16	0
	0830	1666	1487.5	832.7	..	14.2	10.5	7.4	10.3	66	..	2.5	..	2.7	0	0	13	00	0	1	2	2	1	3	4	18	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - - MAY ,1967(ISAKHA - JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or bt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD.)																											
SRINAGAR AERODROME. (Contd.)	1130	666	1482.9	832.5	..	18.3	12.3	7.1	10.1	51	..	3.2	..	3.6	0	0	17	01	0	1	0	0	1	5	8	14	1
	1730	1666	1459.6	830.4	..	20.2	12.7	6.3	9.5	46	..	4.7	..	8.6	0	1	19	01	0	2	1	4	0	8	4	11	0
	2330	1666	1481.8	832.3	..	13.3	9.9	7.0	10.0	66	..	2.7	..	2.8	0	0	11	00	0	1	0	0	1	6	3	20	0
GULMARG	0830	2655	(R)																								
	1730	2655	(R)																								
QAZIGUND	0830	1690	..	..	..	13.9	10.4	7.8	10.6	69	..	2.7	..	0.5	0	0	5	00	0	0	1	0	0	1	3	26	0
	1730	1690	..	..	..	20.1	12.6	6.5	9.7	45	..	4.5	..	3.4	0	0	21	00	0	3	3	3	4	7	1	10	0
BANIHAL	0830	1630	..	..	..	15.5	10.9	6.7	9.8	56	..	2.1	..	2.6	0	0	10	00	0	0	0	2	0	0	8	21	0
	1730	1630	..	..	..	20.9	13.6	7.2	10.2	41	..	4.3	..	5.6	0	0	22	00	0	0	0	12	0	0	10	9	0
JAMMU*	0830	366	1001.6	961.1	..	27.7	19.0	12.7	14.7	41	+ 9	1.8	-0.5	9.5	0	0	27	00	25	0	2	0	0	0	0	4	0
	1730	366	(R)																								
JAMMU AERODROME	0530	292	1001.9	969.0	..	24.0	15.6	8.1	10.2	39	..	2.5	..	8.1	0	2	21	08	13	2	0	0	0	0	0	8	0
	0830	292	1002.7	970.9	..	28.7	17.7	8.6	11.2	31	..	2.2	..	9.6	0	5	17	09	7	0	1	1	0	0	4	9	0
	1130	292	1002.2	970.5	..	34.6	19.4	7.2	10.1	19	..	2.4	..	11.0	0	5	21	03	4	0	4	7	0	3	5	5	0
	1730	292	999.6	967.9	..	36.9	19.7	5.9	9.3	18	..	2.1	..	12.1	0	3	26	00	5	2	2	3	5	11	1	2	0
	2330	292	1002.2	969.6	..	27.1	17.2	8.8	11.3	33	..	1.5	..	7.4	0	3	15	02	12	1	0	1	0	1	1	13	0
GULMARG (RESEARCH INSTITUTE)	0830		3098.1	738.8	..	9.2	5.4	1.0	6.5	59	..	3.5	..	..	.	..	..	01	2	15	2	0	0	8	3	0	0
	1130		3104.4	739.1	..	11.1	7.4	3.6	7.9	65	..	4.6	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		3094.9	738.2	..	11.2	6.6	1.9	7.0	58	..	5.1	..	..	.	..	..	00	1	8	3	2	0	15	2	0	0
RAJASTHAN, WEST																											
GANGANAGAR	0530	177	1001.7	981.7	..	24.0	16.4	10.1	12.3	43	..	0.2	..	1.7	0	0	7	00	1	0	1	1	3	0	1	24	0
	0830	177	1002.8	983.1	+0.8	29.6	18.8	10.6	12.8	32	- 1	0.3	-0.4	3.0	0	0	19	00	2	1	7	2	6	0	1	12	0
	1130	177	1002.4	983.2	..	36.9	20.7	8.0	10.7	18	..	0.1	..	4.2	0	0	28	00	5	2	5	2	7	1	6	3	0
	1730	177	998.9	980.0	+1.1	39.1	21.1	7.2	10.1	15	- 3	0.8	-0.3	3.7	0	0	21	02	1	2	0	0	7	1	8	10	0
	2330	177	1002.0	982.0	..	29.1	18.2	9.5	11.9	31	..	0.3	..	1.2	0	0	6	00	2	0	1	0	2	0	1	25	0
ANUPGARH	0830	154	(R)																								
	1730	154	(R)																								
MAHAJAN	0830	187	1001.3	980.7	..	31.7	24.9	21.5	25.6	56	..	.	..	7.1	0	0	28	01	3	6	7	2	8	0	1	2	0
	1730	187	997.7	977.7	..	39.5	23.5	12.4	14.4	26	..	.	..	7.1	0	0	28	00	2	1	1	2	18	2	2	0	0
CHURU	0830	291	1003.5	971.4	+0.7	30.1	18.0	7.7	10.5	25	-12	0.4	-0.9	7.5	0	3	24	02	2	3	2	6	6	5	1	4	0
	1730	291	998.7	767.7	-9.6	39.3	18.4	-0.5	5.9	9	-12	1.0	-1.3	11.9	0	5	24	07	0	1	1	1	0	13	6	2	0
BIKANER	0830	224	1003.1	978.4	+0.7	30.6	18.2	7.7	10.5	26	- 5	0.1	-0.4	7.8	0	5	20	01	0	3	1	5	12	3	0	6	0
	1730	224	998.8	975.2	+0.9	39.9	19.7	0.2	6.0	9	- 7	0.7	-0.4	9.1	0	6	22	02	2	0	0	1	8	9	6	3	0
BIKANER P.B.O.	0530	224	1001.7	976.9	..	25.2	16.1	7.8	10.6	34	..	0.3	..	3.2	0	0	16	00	2	0	2	3	8	0	1	15	0
	1130	224	1002.6	978.4	..	37.9	20.4	5.8	9.2	15	..	0.2	..	7.4	0	3	26	00	2	3	8	0	0	5	13	0	0
	1430	224	1000.5	976.6	..	40.5	20.2	0.9	6.5	9	..	0.9	..	7.3	0	2	28	03	4	0	0	2	6	12	3	1	0
	2030	224	999.7	976.3	..	35.1	18.9	5.1	8.8	16	..	0.6	..	3.7	0	0	20	03	0	0	1	4	2	4	6	11	0
	2330	224	1001.1	977.2	..	32.6	17.9	5.3	8.9	21	..	0.7	..	5.0	0	1	21	06	2	0	1	2	7	0	4	9	0
NAGAUR	0830	298	1003.5	970.8	+0.0	31.7	20.7	12.9	14.9	35	+ 0	0.2	-0.7	9.6	0	2	29	01	1	5	5	7	9	3	0	0	0
	1730	298	999.0	967.6	+0.5	37.1	26.1	18.8	21.7	32	+12	0.9	-1.1	9.7	0	3	28	02	1	0	0	3	10	7	8	0	0
PHALODI	0830	234	1003.7	977.9	+0.1	30.1	20.9	13.9	15.9	40	-12	0.4	-0.3	14.5	0	7	23	01	2	0	3	7	8	8	1	1	0
	1730	234	1000.9	975.7	+1.0	40.3	23.1	11.8	13.8	20	- 5	1.2	-0.2	12.1	0	4	25	02	1	0	0	3	9	12	2	2	0
JAISALMER	0830	242	1003.0	976.2	+0.1	29.8	21.3	15.8	17.9	46	- 9	0.1	-0.4	7.8	0	2	27	01	2	1	0	12	10	3	0	2	0
	1730	242	998.9	973.0	+0.1	40.2	24.1	14.3	16.3	23	- 6	0.4	-0.7	8.5	0	1	30	02	1	0	0	8	7	12	1	0	0
JODHPUR	0230	224	1002.5	977.6	..	29.4	18.3	9.1	11.5	30	..	0.3	..	9.5	0	0	29	03	3	1	1	0	5	10	6	2	0
	0530	224	1003.0	977.9	..	27.3	17.8	9.8	12.1	36	..	0.5	..	9.2	0	1	27	02	4	2	1	1	5	8	5	3	0
	0830	224	1004.4	979.6	+0.4	29.9	19.8	12.2	14.2	37	- 6	0.4	-0.4	10.1	0	3	25	00	2	3	2	0	13	6	0	3	2
	1130	224	1003.8	979.6	..	37.5	22.0	11.2	13.3	23	..	0.3	..	12.0	0	6	23	01	1	0	3	3	11	7	2	2	1
	1430	224	1001.6	977.6	..	40.7	22.2	8.1	10.8	15	..	0.5	..	17.1	0	10	21	01	0	0	0	0	8	13	6	0	3
	1730	224	1000.2	976.2	+0.9	40.5	21.8	7.4	10.3	14	- 2	1.0	-0.3	15.8	0	8	23	02	0	0	0	0	6	15	8	0	0
	2030	224	1001.5	977.2	..	35.6	20.6	9.0	11.5	21	..	0.6	..	9.1	0	2	26	00	1	1	0	0	8	11	7	3	0
	2330	224	1002.7	978.1	..	32.0	19.2	9.1	11.5	26	..	0.4	..	9.2	0	1	29	01	3	1	0	0	8	8	9	1	0
BARMER	0530	194	1002.1	980.5	..	28.4	20.0	13.7	15.7	43	..	0.8	..	7.0	0	0	29	01	0	0	0	2	10	8	8	2	0
	0830	194	1003.9	982.4	+0.2	30.8	21.4	15.1	17.1	42	-15	0.5	-0.3	3.9	0	0	26	01	1	0	0	4	9	7	4	5	0
	1130	194	1003.6	982.6	..	37.1	23.7	15.6	17.7	30	..	0.3	..	4.6	0	0	25	02	1	0	1	2	12	3	4	6	0
	1730	194	1000.1	979.7	+1.2	41.3	24.9	15.3	17.4	23	- 2	0.7	-0.3	5.4	0	0	29	03	2	0	0	1	11	8	4	2	0
	2330	194	1002.4	981.1	..	33.9	21.5	13.2	15.2	30	..	0.1	..	6.0	0	0	26	00	0	0	0	1	12	10	3	5	0
PRINPURA (JAWAI DAM)	0830	295	1003.1	970.9	-1.1	29.9	23.0	19.1	22.1	54	+ 1	0.4	-0.6	2.5	0	0	20	00	0	0	4	5	7	3	1	11	0
	1730	295	999.2	968.4	+0.3	38.4	25.8	19.0	22.0	34	+ 0	0.6	-1.0	3.9	0	0	27	00	0	0	1	2	10	6	8	4	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY 1967 (SAKHA - JYAISTHA 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.			Mean temperature in °C			Vapour pressure in mb.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gen. of nearest standard isobaric level	At station level	Departure from normal	Dry bulb	Wet bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN, EAST																											
PILANI	0830	301	1004.0	970.8	+0.6	29.7	18.4	9.6	11.9	30	- 1	0.0	-0.6	11.7	0	6	23	01	1	3	2	3	10	7	2	2	0
	1730	301	999.6	967.5	+0.9	38.3	19.6	2.6	7.4	12	- 4	1.8	+0.3	15.0	0	8	23	03	4	1	0	0	4	9	10	0	0
SIKAR	0830	433	1002.8	956.1	-0.2	30.8	15.8	9.8	12.1	28	-21	0.1	-1.0	0.8	0	0	8	00	0	1	1	0	0	6	0	23	0
	1730	433	998.8	953.3	+0.0	38.4	20.0	5.4	9.0	13	-25	0.5	-1.7	1.9	0	0	20	00	1	0	0	0	0	12	7	11	0
ALWAR	0830	271	1002.1	972.6	+0.4	31.9	24.0	19.7	22.9	50	+ 8	0.2	-1.0	2.5	0	0	17	01	2	1	2	1	2	5	3	14	0
	1730	271	997.9	969.0	-0.1	40.0	27.2	21.3	25.3	37	+ 4	1.6	-0.9	2.4	0	0	27	02	1	0	0	0	2	12	10	4	0
JAIPUR (SANGANER)	0230	390	1001.5	958.5	..	27.4	17.0	7.9	10.7	31	..	0.6	..	8.3	0	3	22	06	1	6	0	0	0	6	6	6	0
	0530	390	1002.1	958.9	..	26.1	16.7	8.5	11.1	34	..	0.4	..	5.0	0	0	22	06	3	6	0	0	0	1	6	9	0
	0830	390	1002.9	960.4	-0.3	31.9	19.5	9.6	11.9	27	- 6	0.3	-0.4	7.5	0	2	22	01	3	7	1	0	0	7	5	7	0
	1130	390	1002.2	960.4	..	37.0	20.2	6.1	9.4	17	..	0.4	..	11.3	0	4	27	02	0	2	1	2	3	10	10	0	1
	1430	390	999.7	958.4	..	39.4	20.2	2.4	7.3	11	..	1.0	..	11.9	0	4	26	02	1	1	1	0	4	6	15	1	0
	1730	390	998.5	957.1	-0.1	38.7	20.0	2.0	7.5	13	- 6	1.1	-0.6	12.5	0	2	29	03	0	2	0	0	1	11	14	0	0
	2030	390	1000.6	958.4	..	32.8	18.9	7.0	10.0	22	..	0.6	..	4.2	0	0	24	06	1	0	1	0	0	9	7	7	0
	2330	390	1001.7	959.0	..	29.6	17.6	7.1	10.1	25	..	0.3	..	5.2	0	0	26	08	3	2	0	0	0	8	5	5	0
DHOLPUR	0830	176	1002.6	983.3	+0.6	33.5	22.5	15.6	17.7	36	+ 1	0.3	-1.0	2.8	0	0	13	00	0	2	1	1	0	7	2	18	0
	1730	176	997.8	979.0	+0.1	40.8	24.7	15.0	17.0	23	- 1	0.2	-2.2	4.5	0	0	22	02	0	1	0	0	0	14	5	9	0
AJMER	0830	486	1003.6	950.8	-0.5	30.0	19.2	12.1	14.1	35	- 4	0.1	-0.8	12.3	0	8	18	00	3	0	2	0	11	10	0	5	0
	1730	486	1000.2	949.0	+1.7	38.5	20.6	8.0	10.7	17	- 3	0.8	-0.7	13.0	0	7	24	02	1	0	0	0	3	14	11	0	0
TONK	0830	272	1002.3	972.7	+0.2	32.8	20.8	12.4	14.4	31	-11	0.3	-0.8	7.7	0	0	30	01	2	2	0	1	0	18	6	1	0
	1730	272	997.6	968.6	+0.2	40.0	23.1	10.6	12.8	22	- 2	1.1	-1.2	9.1	0	0	31	02	1	0	0	0	1	22	5	0	0
BHILWARA	0830	425	1004.0	957.7	..	31.1	18.6	8.6	11.2	27	..	0.1	..	6.7	0	1	24	00	2	0	1	0	10	3	9	6	0
	1730	425	999.5	854.4	..	38.7	20.7	6.2	9.5	14	..	1.6	..	8.9	0	2	27	01	1	0	0	0	10	4	13	2	0
KOTA	0830	257	1003.2	975.2	+0.0	34.0	21.9	14.0	16.0	32	+ 4	0.1	-0.7	8.3	0	5	19	01	1	0	1	0	2	10	9	7	0
	1730	257	998.8	971.5	+0.2	40.2	23.5	12.9	16.9	21	+ 5	1.2	-0.8	9.4	0	5	23	08	1	0	0	1	1	4	13	3	0
KOTA AERODROME	0530	274	1002.1	971.9	..	29.6	17.3	6.5	9.7	24	..	0.4	..	9.2	0	3	27	00	0	0	0	0	2	25	3	1	0
	0830	274	1003.5	973.6	..	33.5	19.8	8.8	11.3	23	..	0.1	..	13.9	0	9	20	02	1	0	1	1	2	16	6	2	0
	1130	274	1003.0	973.6	..	38.5	21.2	6.7	9.8	16	..	0.2	..	14.1	0	9	22	02	4	2	2	0	1	15	5	0	0
	1730	274	998.8	969.8	..	40.7	20.9	3.7	8.0	11	..	1.2	..	16.0	0	9	22	06	1	0	0	0	1	11	12	0	0
	2330	274	1001.9	972.1	..	33.3	18.6	5.9	9.3	19	..	0.4	..	10.5	0	2	27	00	1	0	0	0	2	22	4	2	0
CHAMBAL (RAWAT BHATTA DAM)	0830	351	1002.5	964.2	-1.3	31.9	21.8	15.3	17.4	38	- 2	0.0	-1.3	3.9	0	1	12	02	0	0	0	0	3	8	0	18	0
	1730	351	997.7	960.5	-1.1	39.5	24.0	14.7	16.7	24	- 4	0.9	-2.1	15.4	0	8	22	05	0	0	0	1	5	12	7	1	0
UDAIPUR	0230	582	1003.8	940.1	..	26.1	17.6	11.5	13.6	42	..	0.4	..	1.3	0	0	9	00	0	0	0	0	6	1	1	22	1
	0530	582	1004.1	940.1	..	24.5	16.9	11.6	13.7	45	..	0.1	..	0.8	0	0	6	00	0	0	0	0	3	3	0	25	0
	0830	582	1004.6	941.7	+0.3	30.3	19.6	12.7	14.7	36	- 2	0.0	-0.7	1.5	0	0	8	00	0	0	1	1	2	3	1	23	0
	1130	582	1013.4	941.6	..	35.6	20.2	9.4	11.8	22	..	0.3	..	5.0	0	0	29	02	3	1	6	5	4	3	5	2	0
	1730	582	1000.1	938.8	+0.5	36.6	20.3	8.9	11.4	20	- 5	1.2	-0.7	6.1	0	0	28	01	0	0	1	4	6	5	11	3	0
	2330	582	1003.9	940.7	..	28.5	18.5	11.7	13.7	36	..	0.1	..	2.8	0	0	9	00	0	0	0	0	2	5	2	22	0
JHALAWAR	0830	321	(R)																								
	1730	321	(R)																								
BANSWARA	0830	220	1006.0	981.7	..	29.6	23.3	19.6	22.8	58	..	0.3	..	10.3	0	0	31	00	0	2	5	11	10	3	0	0	0
	1730	220	1001.4	977.8	..	40.6	25.6	16.8	19.1	27	..	0.3	..	11.9	0	0	31	03	0	1	0	3	5	16	3	0	0
MADHYA PRADESH, WEST																											
GWALIOR	0230	207	1000.9	978.0	..	29.3	18.9	11.3	13.4	33	..	0.3	..	5.1	0	1	20	02	0	3	2	2	2	6	4	10	0
	0530	207	1001.6	978.6	..	27.8	18.3	10.7	13.4	36	..	0.5	..	5.1	0	0	22	01	0	2	4	7	0	4	4	9	0
	0830	207	1002.8	980.2	+0.6	33.9	21.2	12.2	14.9	29	+ 5	0.4	-0.8	9.8	0	2	27	02	2	1	4	3	1	3	13	2	0
	1130	207	1002.2	979.9	..	39.1	22.7	11.4	14.1	21	..	0.6	..	10.2	0	1	30	03	2	2	2	1	1	6	14	0	0
	1430	207	999.7	977.6	..	41.1	23.1	10.6	13.6	17	..	1.2	..	10.9	0	3	28	05	1	2	1	1	1	9	11	0	0
	1730	207	998.2	976.2	+0.1	40.5	22.4	9.2	12.3	16	+ 3	1.3	-0.9	8.9	0	0	31	05	2	0	0	0	0	6	18	0	0
	2030	207	1000.0	977.5	..	35.3	20.8	10.1	12.8	23	..	0.7	..	5.5	0	1	22	01	4	1	0	0	1	8	8	8	0
	2330	207	1001.2	978.5	..	31.6	19.6	10.6	13.0	29	..	0.5	..	5.3	0	0	20	03	2	5	0	1	0	3	6	11	0
SHEOPUR	0830	235	1003.5	977.6	+0.6	31.6	18.3	7.1	10.2	22	- 6	0.3	-0.9	3.5	0	0	26	05	0	1	0	13	0	7	0	5	0
	1730	235	997.9	973.0	+0.3	41.1	20.0	0.5	6.2	8	- 7	1.0	-1.4	14.9	0	6	25	07	0	1	0	0	3	15	5	0	0
SHIVPURI	0830	464	1002.7	952.7	..	32.7	18.1	6.8	10.1	21	..	0.1	[illegible]	8.9	0	0	31	01	7	2	1	2	0	4	14	0	0
	1730	464	998.2	949.1	..	39.0	19.8	5.0	9.0	13	..	1.4	..	11.5	0	1	29	04	0	0	0	0	1	12	13	1	0
NOWGONG	0830	229	1003.3	978.2	+0.4	32.4	19.2	8.5	11.5	24	- 9	0.6	-0.9	4.1	0	0	23	01	1	5	0	5	4	3	4	8	0
	1730	229	998.3	974.0	+0.4	40.8	20.7	3.2	8.0	10	-12	1.2	-1.2	2.8	0	0	28	03	1	0	0	0	5	5	14	3	0
GUNA	0530	478	1002.8	950.0	..	25.1	14.8	5.8	9.3	33	..	0.5	..	6.5	0	1	26	04	1	5	3	4	2	5	3	4	0
	0830	478	1003.1	951.6	-0.1	33.3	18.7	7.3	10.9	22	- 7	0.0	-1.1	8.4	0	1	28	02	1	5	2	2	1	14	2	2	0
	1130	478	1002.1	951.5	..	38.7	20.4	6.6	10.6	16	..	0.3	..	9.4	0	1	30	02	3	2	0	0	2	8	14	0	0
	1430	478	999.3	949.2	..	40.9	20.2	4.6	8.5	11	..	1.1	..	12.4	0	1	30	03	0	1	0	0	5	10	12	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — MAY 1967 (VAISAKHA - JYAISTHA 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea-level or ht. in gpm. of current standard isobaric level	Mean pressure in mb. At station level	Mean pressure in mb. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Cloud Amount (Oktas) Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, WEST (CONTD)																											
GUNA..(Contd.)	1730	478	998.1	947.8	-0.1	39.9	19.8	3.9	8.4	12	- 6	1.4	-0.9	13.0	0	2	29	04	1	0	0	0	0	10	16	0	0
	2330	478	1002.3	950.2	..	29.4	16.4	5.6	9.2	22	..	0.3	..	6.6	0	0	26	02	1	0	2	0	1	11	9	5	0
NIMACH	0830	496	1004.0	950.3	-0.4	31.1	18.6	8.8	12.3	29	-17	0.1	-1.0	14.5	0	7	23	00	4	0	0	0	7	9	1	1	9
	1730	496	999.8	947.5	+0.3	38.3	19.4	3.7	8.7	13	-10	1.5	-0.7	14.4	0	6	24	01	2	1	0	0	3	7	0	1	16
RAJGARH	0830	382	1003.9	962.3	+0.3	31.7	20.0	10.9	13.8	31	+ 0	0.0	-1.3	11.7	0	5	24	06	0	1	2	1	0	12	7	2	0
	1730	382	998.9	958.6	+0.8	40.5	22.6	9.1	12.8	18	+ 1	1.1	-1.8	11.3	0	4	27	07	0	1	0	0	1	15	7	0	0
SAGAR	0830	551	1002.9	943.7	+0.1	32.4	17.9	7.0	9.9	21	- 8	0.4	-1.4	4.5	0	0	29	00	3	4	0	0	9	11	2	2	0
	1730	551	997.7	939.9	+0.2	38.5	21.6	11.1	13.4	20	+ 2	0.3	-2.6	5.7	0	0	31	00	6	6	0	0	1	8	10	0	0
RATLAM	0830	486	1005.1	952.2	+0.2	30.2	22.8	18.9	22.2	53	- 4	0.6	-1.4	11.1	0	3	27	03	2	3	0	0	7	12	3	1	0
	1730	486	999.9	948.6	+0.3	38.6	24.2	16.7	19.6	29	+ 4	1.3	-1.1	13.4	0	4	27	01	1	1	0	0	8	13	7	0	0
BHOPAL (BAIRAGARH)	0230	523	1001.9	944.8	..	27.8	15.5	4.4	8.7	23	..	0.5	..	11.0	0	5	22	04	2	1	0	1	0	10	9	4	0
	0530	523	1002.9	945.4	..	25.6	15.3	6.3	9.9	30	..	0.5	..	9.0	0	3	21	02	2	0	1	0	2	8	9	7	0
	0830	523	1003.8	947.4	-0.3	32.0	19.1	9.5	12.7	27	- 5	0.3	-0.9	16.7	0	10	20	02	1	2	2	3	2	5	13	1	0
	1130	523	1002.2	946.9	..	37.7	19.9	6.7	10.2	16	..	0.4	..	14.8	0	7	23	07	3	0	4	2	2	6	6	1	0
	1430	523	999.4	944.6	..	39.8	20.2	5.2	9.3	13	..	1.4	..	15.8	0	9	22	03	1	1	2	0	5	12	7	0	0
	1730	523	998.1	943.3	-0.2	39.4	19.9	4.9	8.9	12	- 4	1.7	-0.8	15.6	0	8	22	06	1	0	0	0	1	10	12	1	0
	2030	523	1000.7	944.8	..	33.8	17.8	4.0	8.7	16	..	1.4	..	12.6	0	4	26	04	0	1	0	0	1	12	12	1	0
	2330	523	1002.2	945.7	..	30.6	16.5	4.7	8.5	20	..	0.7	..	12.1	0	4	25	04	3	1	0	0	1	11	9	2	0
UJJAIN	0830	489	1004.9	951.5	..	29.5	19.4	12.6	15.1	38	..	0.5	..	15.5	0	11	15	01	0	0	0	0	0	13	12	5	0
	1730	489	999.3	947.6	..	38.2	19.9	6.5	9.8	15	..	1.4	..	19.5	0	15	16	02	1	1	0	1	1	13	12	0	0
NARSINGHPUR	0830	356	1003.5	964.8	..	32.9	23.1	17.2	20.2	41	..	1.0	..	8.3	0	3	24	00	0	2	1	0	6	16	1	4	1
	1730	356	997.4	959.9	..	41.2	26.0	17.6	21.1	28	..	1.9	..	4.8	0	0	31	00	5	0	0	0	20	2	4	0	0
HOSHANGABAD	0830	302	1004.4	971.3	+0.1	32.2	20.0	10.8	13.5	28	- 2	0.8	-1.2	2.5	0	0	31	00	0	0	0	0	30	0	1	0	0
	1730	302	997.9	966.0	-0.2	41.3	21.6	6.3	9.7	12	- 5	2.9	-0.4	7.0	0	0	31	01	5	0	2	0	12	1	10	0	0
INDORE	0530	567	1004.0	941.6	..	25.1	16.6	9.2	12.7	40	..	0.3	..	11.9	0	4	27	00	0	0	0	0	5	20	6	0	0
	0830	567	1004.7	943.3	-0.1	30.2	19.7	12.5	15.3	37	- 7	0.5	-0.8	15.7	0	10	19	02	3	0	0	1	1	13	9	2	0
	1130	567	1003.1	943.0	..	36.7	20.1	8.1	11.4	19	..	0.5	..	15.3	0	8	23	03	4	3	0	0	2	10	6	0	3
	1730	567	999.1	939.6	+0.1	38.1	19.8	6.0	9.7	15	- 3	1.4	-0.9	19.8	0	17	14	03	2	0	0	0	3	14	9	0	0
	2330	567	1003.5	942.0	..	29.3	16.8	6.4	10.0	25	..	0.3	..	10.0	0	0	30	00	1	0	0	0	5	18	6	1	0
RAJPUR (JHABUA)	0830	293	1006.4	974.0	+0.1	29.0	22.0	17.8	20.8	53	- 6	0.6	-1.7	11.7	0	1	30	00	0	0	0	0	1	30	0	0	0
	1730	293	1000.8	969.6	+0.3	39.2	21.1	6.8	10.2	15	-11	0.4	-1.5	10.8	0	1	30	00	0	0	0	0	0	30	1	0	0
CHHINDWARA	0830	685	1003.3	930.0	+0.0	31.5	23.5	19.8	23.1	52	+19	0.7	-1.6	8.1	0	1	28	10	2	0	0	2	3	3	9	2	0
	1730	685	997.6	926.2	+0.1	37.7	25.5	19.6	23.5	37	+15	2.2	-1.4	6.7	0	0	29	03	1	2	1	3	1	14	4	2	0
SEONI	0830	619	1003.3	937.0	+0.3	31.9	18.8	9.5	12.1	26	- 5	1.3	-1.1	10.8	0	2	29	06	2	0	1	1	7	2	12	0	0
	1730	619	997.3	933.0	+0.1	38.3	20.0	6.5	9.9	16	- 8	2.5	-1.4	9.0	0	0	31	07	1	0	2	1	4	4	12	0	0
BETUL	0830	653	1004.0	934.0	+0.0	31.0	19.6	11.9	14.5	33	- 6	0.8	-1.7	6.5	0	0	31	03	1	1	4	2	2	6	12	0	0
	1730	653	997.8	929.8	-0.4	38.6	20.5	7.8	10.9	16	- 5	1.3	-1.9	6.9	0	0	31	05	3	0	0	0	1	9	13	0	0
KHANDWA	0830	318	1004.9	970.1	+0.1	31.5	21.4	14.0	16.7	35	- 6	0.3	-1.3	6.6	0	0	30	03	0	0	1	2	2	16	6	1	0
	1730	318	998.7	965.1	-0.1	41.0	22.2	8.4	11.4	15	- 3	0.8	-2.0	5.5	0	0	31	02	1	0	0	0	4	10	14	0	0
MADHYA PRADESH, EAST																											
SATNA	0530	317	1001.6	966.4	..	27.2	17.5	9.3	12.2	34	..	0.5	..	2.5	0	0	18	02	0	4	0	3	0	9	0	13	0
	0830	317	1002.5	968.0	+0.4	33.8	20.3	10.1	12.9	25	- 5	0.3	-1.2	3.5	0	0	28	00	1	8	0	4	0	11	4	3	0
	1130	317	1001.6	967.7	..	39.2	21.5	7.9	11.2	13	..	0.7	..	4.8	0	0	30	01	1	1	3	2	0	10	12	1	0
	1430	317	999.0	965.5	..	40.9	21.5	5.8	9.8	13	..	1.5	..	7.4	0	2	27	00	1	0	0	0	1	14	13	2	0
	1730	317	997.7	964.1	+0.2	40.1	21.4	6.4	10.2	14	- 7	0.8	-1.6	5.4	0	0	31	07	0	1	0	1	0	9	13	0	0
	2330	317	1001.0	966.4	..	31.6	18.9	8.8	11.5	26	..	0.3	..	3.6	0	0	20	00	5	3	1	0	2	7	2	11	0
REWA	0830	299	1002.0	969.6	..	34.1	22.2	14.8	17.0	32	..	0.5	..	4.1	0	0	25	01	2	2	3	2	3	6	6	6	0
	1730	299	997.2	965.5	..	40.1	24.0	14.4	16.7	23	..	0.8	..	5.7	0	0	30	05	4	0	1	0	0	9	11	1	0
SIDHI	0830	272	1002.3	972.7	+0.5	33.4	22.7	16.2	18.9	38	+ 5	0.0	-1.3	0.8	0	0	8	00	0	3	0	5	0	0	0	23	0
	1730	272	997.4	968.5	+0.5	39.9	25.9	18.4	21.8	31	+12	0.6	-1.4	2.7	0	0	31	13	2	3	0	1	0	4	8	0	0
UMARIA	0830	459	1002.7	953.3	+0.3	33.9	20.3	11.4	13.8	27	- 1	0.6	-1.4	7.0	0	0	29	01	3	6	2	2	3	6	3	2	3
	1730	459	997.3	949.2	+0.3	39.8	21.5	9.3	12.2	17	- 2	1.5	-1.7	7.2	0	0	31	10	1	0	1	0	1	6	10	0	2
JABALPUR	0530	393	1002.3	959.0	..	26.6	17.6	10.5	12.9	38	..	1.4	..	2.0	0	0	11	00	0	0	1	2	1	7	0	20	0
	0830	393	1003.2	960.8	+0.2	33.6	20.3	10.4	13.0	25	- 2	0.5	-1.2	4.9	0	0	23	01	0	1	2	5	3	7	4	8	0
	1130	393	1001.6	960.1	..	39.3	21.4	7.7	10.9	17	..	0.8	..	6.3	0	0	30	03	4	1	1	3	4	10	4	1	0
	1430	393	998.7	957.5	..	41.5	22.0	7.0	10.5	13	..	2.2	..	6.2	0	0	30	03	3	1	0	3	1	8	11	1	0
	1730	393	997.5	956.2	+0.0	40.4	21.4	6.7	10.0	14	- 3	1.6	-1.5	6.3	0	0	31	11	1	0	0	2	1	10	6	0	0
	2030	393	1000.4	958.0	..	33.7	20.4	10.8	13.1	28	..	0.8	..	2.5	0	0	15	02	1	1	0	3	2	4	2	16	0
	2330	393	1001.5	958.7	..	30.2	19.2	11.1	13.3	31	..	0.8	..	2.3	0	0	11	00	0	0	2	3	0	6	0	20	0
AMBIKAPUR	0830	611	1002.8	937.4	+0.1	32.2	19.5	10.8	13.4	29	- 7	0.9	-0.3	7.9	0	1	25	03	4	1	5	3	7	1	2	5	0

TABLE III – SUMMARY OF OBSERVATIONS AT FIXED HOURS — MAY 1967 (VAISAKHA – JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 62 or more	20 to 61	1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																											
AMBIKAPUR (Contd.)	1730	611	997.4	933.4	+0.0	37.7	20.0	7.1	10.4	17	-4	2.0	-0.5	13.9	0	2	29	06	1	2	2	1	4	4	11	0	0
JASHPURNAGAR	0830	779	1002.6	919.8	..	30.8	19.2	10.3	13.7	32	.	0.8	..	1.8	0	0	21	02	5	1	0	3	4	4	2	10	0
	1730	779	996.6	915.7	..	35.9	19.4	6.4	10.4	20	.	2.2	..	2.5	0	0	31	00	10	0	0	0	13	0	8	0	0
PENDRA	0530	625	1002.1	934.2	..	26.7	17.3	10.2	12.9	39	..	1.1	..	5.5	0	1	23	04	1	0	0	5	5	5	4	7	0
	0830	625	1002.9	936.0	+0.1	31.6	19.6	11.4	14.0	32	+1	0.6	-1.6	10.2	0	8	18	07	1	0	0	7	2	3	6	5	0
	1130	625	1001.3	935.5	..	36.1	20.9	10.9	13.6	24	..	0.6	..	10.7	0	4	26	12	1	1	0	6	2	3	4	1	1
	1430	625	998.5	933.1	..	37.4	20.7	9.2	12.2	21	..	1.9	..	12.7	0	6	23	11	3	1	0	0	5	5	3	2	1
	1730	625	997.8	932.1	+0.2	35.7	20.3	9.6	12.5	25	+1	1.9	-2.0	10.9	0	2	29	16	2	0	1	2	0	7	3	0	0
	2330	625	1001.7	934.4	..	28.8	18.2	10.4	13.1	35	.	1.0	..	5.4	0	1	21	03	0	0	0	5	3	7	4	9	0
MANDLA	0830	443	1003.3	955.3	+0.0	31.3	19.7	10.9	13.6	30	-5	1.1	-1.4	7.0	0	6	9	03	0	0	1	7	1	1	2	16	0
	1730	443	997.4	950.8	+0.2	38.9	21.1	6.5	10.5	16	-5	1.9	-1.3	2.5	0	0	13	04	0	0	0	3	0	0	6	18	0
CHAMPA	0830	245	1003.5	976.6	+0.1	32.9	21.5	13.6	16.3	34	-2	1.6	-1.1	3.5	0	0	26	06	0	3	2	4	2	3	6	5	0
	1730	245	997.5	971.6	+0.1	41.2	23.0	10.1	13.2	17	-1	2.6	-1.4	7.2	0	2	28	06	2	0	0	1	5	9	7	1	0
RAIGARH	0830	220	1003.5	979.5	+0.5	33.7	22.1	14.7	17.1	34	-7	1.5	-1.4	3.9	0	0	30	00	14	0	7	1	5	1	2	1	0
	1730	220	997.4	974.0	-0.1	40.3	22.4	9.4	12.4	18	-2	2.1	-0.9	3.5	0	0	29	04	3	0	4	0	8	1	9	2	0
RAIPUR	0530	298	1001.9	969.0	..	28.9	20.7	15.2	17.7	46	..	2.0	..	2.8	0	0	18	00	0	1	2	4	5	6	0	13	0
	0830	298	1003.5	971.1	+0.3	33.7	23.0	16.4	19.3	40	+5	1.7	-0.6	5.9	0	0	29	02	2	1	1	3	10	5	5	2	0
	1130	298	1002.1	970.3	..	39.1	25.0	18.4	20.0	31	..	1.4	..	6.3	0	0	29	03	1	1	3	3	8	6	4	2	0
	1430	298	999.1	967.6	..	41.3	25.2	15.8	18.8	25	..	2.5	..	5.9	0	0	31	03	1	1	2	1	6	9	8	0	0
	1730	298	997.9	966.3	+0.1	40.1	25.0	16.1	19.3	27	+5	2.2	-1.2	5.2	0	0	29	02	1	1	1	3	4	9	8	2	0
	2030	298	1000.3	968.2	..	35.0	23.2	15.6	18.8	33	..	2.0	..	4.2	0	0	26	03	2	0	1	6	3	6	5	5	0
	2330	298	1001.3	968.8	..	32.7	22.3	15.9	18.4	38	..	1.9	..	4.6	0	0	24	01	0	0	1	11	4	5	2	7	0
KANKER	0830	402	1003.7	960.3	+0.1	32.7	24.0	19.1	22.7	46	+3	2.2	-1.1	2.8	0	0	16	00	0	0	0	1	5	7	3	15	0
	1730	402	998.3	955.9	+0.0	39.1	25.3	18.3	20.9	32	+3	2.4	-1.8	4.5	0	0	28	02	0	0	0	1	3	14	8	3	0
JAGDALPUR	0530	553	1003.0	942.6	..	26.2	20.8	17.9	20.6	62	..	2.8	..	2.5	0	0	13	00	0	1	0	4	6	1	1	18	0
	0830	553	1004.0	944.5	+0.0	31.1	22.0	17.1	19.7	46	-7	2.8	-0.3	5.1	0	0	23	00	1	0	2	2	14	2	2	8	0
	1130	553	1002.3	943.9	..	36.1	22.8	15.6	18.1	32	..	2.1	..	8.6	0	1	27	01	1	0	1	1	18	3	3	3	0
	1430	553	999.0	941.1	..	38.5	22.7	13.8	16.0	24	..	3.2	..	7.2	0	0	28	02	1	0	0	0	15	5	5	3	0
	1730	553	998.7	940.6	+0.1	37.0	22.6	14.6	16.8	28	-9	4.4	-0.5	6.4	0	0	29	04	2	0	0	4	12	3	4	2	0
	2030	553	1001.7	942.6	..	32.1	21.9	16.3	18.8	40	..	1.7	..	3.6	0	1	14	01	0	1	2	1	9	1	0	16	0
	2330	553	1002.7	943.0	..	29.7	21.3	16.7	19.3	47	..	1.9	..	3.9	0	0	16	00	0	0	4	3	8	1	0	15	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																											
DEESA	0830	136	1005.0	989.8	-0.2	28.8	22.7	19.0	22.7	59	-2	0.8	-1.1	6.4	0	0	30	00	3	0	5	3	10	4	5	1	0
	1730	136	1000.6	985.9	+0.4	40.3	20.5	2.5	8.0	11	-12	0.5	-1.0	8.3	0	0	31	00	1	0	0	0	4	7	19	0	0
RADHANPUR	0830	30	1005.4	1002.1	-0.3	29.7	24.1	21.2	25.3	63	-4	0.0	-1.5	3.9	0	0	31	00	0	0	0	3	11	10	7	0	0
	1730	30	1000.8	997.7	-0.6	40.0	24.8	16.1	18.9	26	-2	0.0	-1.1	5.1	0	0	31	02	1	0	0	2	7	10	9	0	0
IDAR	0830	219	1005.7	981.4	+0.2	30.2	21.1	14.0	17.6	43	-15	1.0	-0.5	3.7	0	0	25	01	0	1	0	1	5	13	4	6	0
	1730	219	1000.9	977.4	+0.?	39.5	20.4	3.6	8.4	12	-13	0.3	-0.8	8.3	0	0	31	00	1	0	0	0	3	23	4	0	0
AHMADABAD	0230	55	1003.9	997.7	..	29.3	22.2	17.6	21.0	53	..	0.0	..	12.6	0	1	30	00	0	0	1	2	3	17	8	0	0
	0530	55	1004.4	998.1	..	27.1	21.5	17.7	21.0	60	..	0.6	..	9.5	0	1	26	00	0	1	1	1	3	9	12	4	0
	0830	55	1006.1	1000.0	-0.5	29.8	23.0	18.8	22.5	55	-13	1.1	-0.7	11.2	0	4	23	01	0	0	0	0	4	10	12	4	0
	1130	55	1005.9	999.8	..	36.5	23.8	15.9	19.0	33	..	0.2	..	12.5	0	1	29	02	0	1	0	2	6	8	11	1	0
	1430	55	1003.2	997.2	..	41.1	23.2	10.3	13.7	18	..	0.5	..	14.9	0	6	24	01	1	0	1	0	2	15	10	1	0
	1730	55	1001.3	995.3	-0.1	41.7	22.7	8.3	12.0	16	-5	0.7	-0.6	17.4	0	12	19	01	0	0	0	1	3	16	9	0	1
	2030	55	1003.0	996.9	..	34.9	22.8	14.6	17.8	33	..	0.3	..	12.8	0	8	15	00	0	1	0	4	6	9	3	8	0
	2330	55	1004.4	998.2	..	31.6	22.6	16.6	20.1	45	..	0.3	..	11.1	0	2	24	00	0	0	0	2	8	14	2	5	0
DOHAD	0830	333	1005.6	968.9	-0.6	29.8	23.7	20.6	24.4	59	+1	0.6	-1.1	22.9	0	10	6	00	2	0	1	2	10	13	3	0	0
	1730	333	1000.3	965.0	-0.3	39.7	24.5	14.8	18.3	26	+6	0.7	+0.0	26.1	0	[illegible]	5	00	3	0	0	0	7	13	8	0	0
VALLABH VIDYANAGAR	0830	44	1006.0	1001.1	..	28.0	22.9	19.9	23.8	65	..	0.6	..	8.3	0	0	30	00	0	0	0	9	10	4	7	1	0
	1730	44	1001.3	996.6	..	40.2	23.6	13.0	15.6	21	..	0.2	..	10.3	0	1	30	00	0	0	2	5	13	4	7	0	0
BARODA AERODROME	0830	38	1006.7	1002.4	+0.2	29.7	25.3	23.1	28.6	69	+10	1.6	-0.3	13.9	0	8	20	00	0	0	0	3	13	6	6	3	0
	1130	38	1006.3	1002.1	..	36.0	26.9	22.8	27.9	48	..	0.4	..	11.4	0	4	24	03	0	0	0	2	8	13	2	3	0
	1730	38	1001.7	997.6	+0.3	39.9	27.4	21.7	26.3	36	+11	0.7	-0.6	17.2	0	10	21	01	0	0	0	2	11	14	3	0	0
BARODA	0530	34	1004.8	1000.9	..	26.9	22.9	20.5	24.7	69	..	0.2	..	4.6	0	0	27	00	0	0	0	0	24	1	2	4	0
	0830	34	1006.7	1002.8	-0.4	29.7	23.8	20.5	24.7	60	-4	1.0	-0.7	4.7	0	0	28	00	0	0	0	0	22	0	6	3	0
	1130	34	1006.4	1002.6	..	36.3	24.0	16.9	19.7	34	..	0.2	..	5.7	0	0	31	01	0	0	0	0	21	0	9	0	0
	1730	34	1001.9	998.1	-0.1	40.7	24.3	14.0	16.9	23	-6	0.2	-0.7	5.9	0	0	31	00	0	0	0	0	13	6	12	0	0
	2330	34	1005.0	1001.1	..	30.5	23.8	20.0	24.1	56	..	0.4	..	7.0	0	0	30	00	0	0	0	0	20	4	6	1	0
BROACH	0830	17	..	..	..	..	..	..	..	..	..	0.9	-1.0	5.5	0	0	31	00	1	0	0	1	17	4	8	0	0
	1730	17	..	..	..	..	..	..	..	..	..	0.0	-0.8	6.6	0	0	31	02	1	0	0	0	17	4	7	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY 1967 (ISAKHA - JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or lst. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															42 or more	20 to 41	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI) (CONTD.)																												
SURAT	0530	12	1005.2	1003.9	..	26.6	24.1	22.9	27.9	81	..	0.4	..	7.8	0	0	30	00	0	0	12	0	15	0	3	1	0
	0830	12	1007.2	1005.9	-0.2	29.7	24.9	22.5	27.6	67	- 2	0.7	-2.8	8.6	0	2	27	00	2	0	3	0	19	0	5	2	0
	1130	12	1007.5	1006.2	..	34.1	25.1	20.7	24.4	48	..	1.1	..	14.2	0	0	31	00	1	0	1	0	20	0	9	0	0
	1730	12	1003.6	1002.3	-0.1	34.2	25.7	21.0	25.9	50	- 7	0.3	-1.4	16.5	0	8	23	00	0	0	0	0	26	0	5	0	0
	2330	12	1006.2	1004.9	..	28.7	25.7	24.3	30.5	80	..	0.7	..	12.6	0	0	31	00	0	0	1	0	29	0	1	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																												
NALIYA	0830	21	1005.9	1003.6	+0.1	28.1	25.2	23.9	29.7	78	+ 0	1.8	-1.3	13.5	0	11	18	00	0	0	0	0	19	6	3	2	1
	1730	21	1003.6	1001.0	+0.1	33.1	25.6	21.7	26.6	54	- 3	1.4	-0.5	14.1	0	10	21	00	0	0	0	0	22	8	1	0	0
BHUJ (RUDRAMATA)	0230	80	1004.1	995.1	..	27.3	24.0	22.1	27.3	77	..	0.1	..	16.5	0	9	17	00	0	0	0	0	12	7	7	5	0
	0530	80	1004.3	995.2	..	26.3	23.7	22.2	27.3	81	..	0.6	..	9.7	0	5	12	00	1	0	0	0	8	6	2	14	0
	0830	80	1005.7	996.7	+0.1	29.1	24.8	22.6	27.9	71	+ 5	0.5	-0.5	17.5	0	10	17	01	0	0	0	0	12	10	4	4	0
	1130	80	1005.6	996.8	..	36.1	25.7	20.0	24.4	43	..	0.1	..	20.5	0	14	15	05	2	0	0	0	9	8	5	2	0
	1430	80	1003.6	994.9	..	39.1	25.8	18.7	22.4	34	..	0.0	..	24.3	0	22	6	04	0	0	0	1	5	11	7	3	0
	1730	80	1002.3	993.5	-0.1	37.8	25.7	18.4	23.1	37	+ 4	0.1	-0.5	27.3	0	28	1	02	0	0	0	0	4	15	8	2	0
	2030	80	1003.9	995.0	..	32.5	24.9	20.4	25.3	56	..	0.0	..	22.0	0	12	19	00	0	0	0	0	9	13	9	0	0
	2330	80	1005.1	996.1	..	28.8	24.6	22.2	27.4	72	..	0.1	..	18.5	0	11	17	00	0	0	0	0	13	11	4	3	0
KANDLA AERODROME	0830	35	1003.3	1002.4	..	29.6	23.3	19.6	23.5	58	..	0.7	..	21.0	0	18	12	00	0	0	0	1	18	4	7	1	0
	1130	35	1006.1	1002.3	..	36.8	23.4	14.7	17.8	30	..	0.1	..	19.9	0	16	15	00	0	0	0	0	15	11	5	0	0
	1730	35	1002.7	998.9	..	38.1	22.9	12.5	15.5	24	..	0.2	..	27.9	0	26	5	00	0	0	1	5	14	8	3	0	0
NEW KANDLA	0830	14	1006.5	1005.0	+0.1	28.8	24.3	21.8	26.6	68	- 4	1.8	-0.4	19.0	0	13	17	01	0	0	1	0	7	16	5	1	0
	1730	14	1003.2	1001.6	+0.2	34.4	26.1	21.8	26.9	51	+ 0	0.5	-1.1	35.5	0	31	0	01	0	0	0	1	15	14	0	0	0
MANDVI	0830	9	1006.6	1005.5	+0.6	28.2	25.9	24.6	31.5	80	- 4	2.6	+0.2	24.5	0	17	14	00	0	0	0	0	7	18	6	0	0
	1730	9	1004.1	1003.1	+0.9	30.9	27.7	26.4	34.6	78	- 5	1.9	-0.2	36.5	0	31	0	00	0	0	0	0	6	25	0	0	0
SURENDRANAGAR	0830	74	1006.3	998.0	+0.3	30.5	25.3	22.7	27.9	65	- 2	0.8	-0.9	13.4	0	7	24	01	0	0	0	1	0	23	6	0	0
	1730	74	1001.7	993.7	+0.5	40.7	26.7	19.4	23.5	31	+ 5	0.7[b]	-1.2	16.6[b]	0	13	15	01	0	0	0	1	0	20	6	1	0
OKHA	0530	7	1005.3	1004.5	..	27.3	26.1	25.0	32.8	88	..	2.4	..	22.8	0	22	9	00	0	0	0	0	10	10	11	0	0
	0830	7	1006.9	1006.1	..	28.5	26.3	25.4	32.4	84	..	2.0	..	22.6	0	22	9	00	0	0	0	0	12	11	8	0	0
	1130	7	1007.4	1006.6	..	30.4	26.7	25.2	32.1	74	..	1.6	..	25.5	0	25	6	00	0	0	0	0	9	13	9	0	0
	1730	7	1004.8	1004.0	..	30.1	27.2	26.0	33.8	79	..	1.6	..	28.7	0	30	1	00	0	0	0	0	5	24	2	0	0
	2330	7	1006.4	1005.6	..	27.8	26.1	25.4	32.4	84	..	1.6	..	24.1	0	26	5	00	0	0	0	0	10	16	5	0	0
JAMNAGAR AERODROME	0530	20	1004.5	1002.2	..	25.1	23.7	22.9	28.1	88	..	1.7	..	16.8	0	7	24	00	0	0	0	1	12	14	4	0	0
	0830	20	1005.9	1003.6	-0.6	28.6	25.0	23.5	28.8	73	+ 3	1.3	-1.6	19.5	0	15	16	00	0	0	0	0	8	17	6	0	0
	1130	20	1006.0	1003.8	..	33.5	25.4	21.3	25.6	51	..	0.4	..	22.5	0	20	11	02	0	0	0	0	0	13	16	0	0
	1730	20	1003.5	1001.0	+0.3	33.1	25.7	22.1	26.9	54	+ 0	0.3	-0.7	33.3	0	29	2	00	0	0	0	0	0	14	17	0	0
	2330	20	1005.4	1003.1	..	27.5	25.0	23.8	29.7	80	..	0.5	..	20.7	0	14	17	00	0	0	0	0	3	23	5	0	0
DWARKA	0830	20	1006.0	1004.7	-1.0	28.5	26.7	25.9	33.6	86	+ 4	1.7	-1.2	17.7	0	14	17	01	0	0	0	0	5	18	7	0	0
	1730	20	1005.6	1004.3	+1.0	30.2	28.2	27.4	36.5	85	+ 7	2.5	-0.1	21.9	0	21	10	00	0	0	0	0	3	18	8	0	2
RAJKOT	0530	138	1005.2	989.6	..	24.4	22.0	20.6	24.4	80	..	0.8	..	15.8	0	11	18	00	0	0	0	0	16	11	2	2	0
	0830	138	1006.5	991.1	-0.8	28.3	24.2	21.8	26.9	70	- 2	0.5	-1.6	24.0	0	23	8	00	0	0	0	0	6	17	8	0	0
	1130	138	1005.8	990.8	..	36.4	24.0	16.9	19.6	33	..	0.0	..	25.8	0	26	5	00	0	0	0	0	2	17	12	0	0
	1430	138	1003.2	988.4	..	40.0	24.1	14.3	16.9	23	..	0.1	..	26.7	0	23	8	01	0	0	0	0	2	16	12	0	0
	1730	138	1002.1	987.2	+0.1	39.0	24.0	14.6	17.5	26	- 1	0.1	-1.6	34.4	0	28	3	00	0	0	0	0	1	17	13	0	0
BHAVNAGAR AERODROME	0830	11	1006.7	1005.5	-0.6	29.9	23.1	19.2	22.7	54	+ 0	0.8	-0.6	20.1	0	19	12	00	0	0	0	4	6	10	11	0	0
	1130	11	1006.6	1005.4	..	35.5	24.0	17.5	20.5	36	..	0.4	..	19.0	0	16	15	00	4	8	2	0	2	8	6	0	1
	1730	11	1002.3	1001.1	-0.3	37.7	24.8	17.2	20.8	33	- 4	0.7	-0.7	35.0	0	27	4	00	0	4	9	15	2	1	0	0	0
PORBANDER AERODROME	0830	7	1007.1	1006.3	+0.5	28.6	25.9	24.7	31.1	80	- 1	1.9	-1.1	16.3	0	11	20	02	0	0	0	1	9	6	13	0	0
	1130	7	1007.4	1006.6	..	31.9	26.9	24.7	31.3	67	..	0.7	..	23.1	0	27	4	01	0	0	0	0	17	10	3	0	0
	1730	7	1004.6	1003.8	+0.3	31.3	27.0	25.2	32.2	71	- 4	0.9	-2.0	28.7	0	31	0	00	0	0	0	0	13	18	0	0	0
KESHOD	0830	51	1007.2	1001.4	-0.2	28.6	24.3	22.3	26.9	69	- 3	1.4	-1.2	15.8	0	10	21	04	1	0	0	0	2	18	6	0	0
	1130	51	1007.1	1001.4	..	35.1	23.8	17.4	20.2	37	..	0.6	..	21.1	0	18	13	03	0	0	0	1	3	16	8	0	0
	1730	51	1004.0	998.3	-0.3	35.1	24.1	17.8	21.0	39	- 6	0.9	-0.4	29.9	0	30	1	02	0	0	0	0	4	21	4	0	0
MAHUVA	0830	9	1006.4	1005.4	..	25.9	22.4	20.3	24.1	73	..	0.2	..	2.2	0	0	20	05	0	0	1	0	2	6	6	11	0
	1730	9	1004.1	1003.1	..	32.1	26.1	23.4	28.9	62	..	1.1	..	13.7	0	4	27	00	0	0	0	9	19	3	0	0	0
VERAVAL	0230	8	1005.6	1004.7	..	26.4	24.9	24.1	30.4	88	..	1.3	..	15.7	0	9	21	08	0	0	0	0	3	10	9	1	0
	0530	8	1005.4	1004.5	..	25.6	24.2	23.6	29.1	89	..	3.0	..	14.5	0	9	21	11	0	0	0	0	3	8	8	1	0
	0830	8	1007.3	1006.4	-0.3	27.9	25.3	24.1	30.0	80	- 2	1.8	-1.2	17.8	0	16	14	06	0	0	0	0	2	10	12	1	0
	1130	8	1007.7	1006.8	..	30.6	27.0	25.6	32.6	75	..	0.9	..	21.7	0	21	10	00	0	0	0	1	1	19	10	0	0
	1430	8	1006.1	1005.2	..	30.8	27.3	25.9	33.4	75	..	0.9	..	26.7	0	30	1	00	0	0	0	0	6	19	6	0	0
	1730	8	1004.8	1003.9	+0.0	29.7	27.0	25.9	33.4	80	- 2	1.1	-0.8	28.7	0	31	0	00	0	0	0	0	4	18	9	0	0
	2030	8	1005.9	1005.0	..	28.1	26.2	25.4	32.4	85	..	1.0	..	23.7	0	23	8	00	0	0	0	0	5	12	16	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY (1967A1SAKHA - JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lst. in gpm. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SAURASHTRA AND KUTCH (INCLUDING DIU) (CONTD.)																											
VERAVAL (Contd.)	2330	8	1006.8	1005.9	..	27.3	25.7	24.9	31.7	87	..	1.6	..	16.9	0	14	17	03	0	0	0	0	3	10	15	0	0
DIU	0830	15	1007.6	1005.8	..	28.3	25.0	23.3	28.9	74	..	0.9	..	12.5	0	7	22	00	0	0	0	0	1	15	13	2	0
	1730	15	1005.0	1003.3	..	30.5	27.1	25.7	33.0	77	..	1.3	..	22.9	0	25	6	00	0	0	0	0	11	20	0	0	0
KONKAN (INCLUDING GOA)																											
DAHANU	0830	5	1007.2	1006.7	+0.2	29.1	26.5	25.3	32.4	81	+ 3	.	..	4.9	0	0	31	04	0	2	10	0	6	9	0	0	0
	1730	5	1003.9	1003.4	-0.5	31.6	27.9	26.4	34.6	74	- 1	.	..	7.8	0	0	30	01	0	0	0	0	4	23	2	0	0
BOMBAY (SANTACRUZ)	0230	14	1005.9	1004.3	+0.4	27.5	24.8	23.6	28.9	80	+ 5	2.4	+0.0	6.0	0	1	19	03	1	1	0	1	4	6	4	11	0
	0530	14	1006.0	1004.4	..	26.8	24.4	23.4	28.6	82	..	1.9	..	3.2	0	0	17	01	2	1	4	0	4	3	2	14	0
	0830	14	1007.7	1006.1	+0.0	30.1	25.4	23.3	28.6	67	- 2	3.2	-1.0	7.7	0	1	24	01	0	1	2	4	3	6	8	6	0
	1130	14	1007.8	1006.2	..	32.7	26.2	23.2	28.6	58	..	2.3	..	16.1	0	6	25	00	0	0	0	0	5	18	8	0	0
	1430	14	1006.0	1004.4	..	32.9	26.1	23.1	28.3	57	..	2.0	..	19.8	0	18	13	02	0	0	0	0	4	14	11	0	0
	1730	14	1004.9	1003.3	+0.2	31.7	25.9	23.2	28.6	61	- 4	2.4	-0.5	18.3	0	4	27	02	0	0	0	0	2	14	13	0	0
	2030	14	1006.2	1004.6	..	29.2	25.5	23.8	29.5	73	..	2.1	..	9.7	0	1	29	02	0	0	0	0	5	10	13	1	0
	2330	14	1007.1	1005.5	..	28.4	25.2	23.8	29.5	77	..	2.5	..	7.1	0	1	22	02	1	0	0	0	5	8	7	8	0
BOMBAY	0830	11	1007.7	1006.5	-0.4	30.3	26.2	24.4	30.7	71	- 2	2.3	-1.3	8.3	0	1	29	02	0	1	5	3	5	6	6	1	2
	1130	11	1007.9	1006.7	..	[illegible]	27.0	24.7	31.1	63	..	1.7	..	11.2	0	2	29	02	0	0	0	1	10	9	8	0	1
	1730	11	1004.9	1003.7	-0.3	[illegible]	26.7	24.6	30.9	66	- 2	1.8	-0.5	16.4	0	7	24	01	0	0	0	0	3	10	17	0	0
ALIBAG	0830	7	1007.7	1006.9	-0.8	[illegible]	26.6	25.4	32.4	79	+ 3	2.2	-1.5	7.9	0	0	26	01	0	1	3	4	7	2	8	5	0
BHIRA	0830	96	1007.3	996.6	..	[illegible]	24.5	22.4	27.1	68	..	2.3	..	1.2	0	0	15	00	0	0	1	3	7	2	2	16	0
	1730	96	1003.3	992.9	..	[illegible]	25.8	21.1	25.2	44	..	2.3	..	8.5	0	0	31	00	0	1	1	2	14	6	7	0	0
HARNAI	0830	20	1007.7	1005.4	+0.0	28.7	25.8	24.3	30.7	76	- 2	3.9	-0.4	8.4	0	3	23	09	1	0	0	3	0	4	9	5	0
	1730	20	1005.2	1002.8	+0.1	29.7	26.5	25.1	32.1	77	- 1	4.2	+0.3	27.2	0	20	11	01	0	1	0	0	0	12	17	0	0
RATNAGIRI	0830	35	1007.9	1004.0	+0.3	29.0	25.8	24.3	30.5	75	+ 1	3.3	-1.1	5.8	0	0	26	00	1	3	2	0	0	9	6	5	5
	1730	35	1005.2	1001.2	+0.2	31.2	26.5	24.6	30.7	68	- 1	3.3	-0.7	15.7	0	5	26	00	0	0	1	0	2	15	12	0	1
DEVGARH	0830	36	1007.9	1003.9	-0.1	28.9	25.5	24.0	29.8	75	- 3	3.6	-1.1	12.3	0	7	23	08	4	2	1	2	1	5	7	1	0
	1730	36	1005.0	1000.9	-0.2	31.6	26.8	24.8	31.3	67	- 5	2.5	-1.7	25.0	0	7	24	00	0	0	0	0	0	7	24	0	0
VENGURLA	0230	9	1006.7	1005.7	..	27.2	25.0	24.0	29.8	83	..	2.4	..	1.7	0	0	13	07	0	0	0	0	0	1	5	18	0
	0530	9	1006.3	1005.3	..	26.4	24.7	24.0	29.8	86	..	3.3	..	0.8	0	0	5	03	1	0	0	0	0	1	0	26	0
	0830	9	1008.2	1007.2	-0.1	29.5	25.6	23.9	29.7	72	- 1	3.3	-1.5	3.2	0	0	20	09	3	0	1	0	1	2	4	11	0
	1130	9	1008.0	1007.0	..	32.1	26.0	23.3	28.6	60	..	2.6	..	8.6	0	1	30	03	0	0	0	0	10	13	5	0	0
	1730	9	1005.3	1004.3	-0.1	30.9	26.2	24.2	30.2	68	+ 0	3.1	-1.0	10.9	0	2	29	02	0	0	0	0	1	17	11	0	0
	2330	9	1007.6	1006.6	..	28.2	25.3	24.0	30.0	78	..	2.1	..	3.4	0	0	17	04	0	0	0	0	0	1	12	14	0
PANJIM	0530	60	1006.1	999.3	..	27.1	24.7	23.6	29.1	82	..	4.4	..	4.1	0	0	20	08	1	2	0	1	1	3	4	11	0
	0830	60	1007.8	1001.1	..	28.8	25.2	23.6	29.1	74	..	5.1	..	5.0	0	0	19	07	2	1	0	0	0	2	7	12	0
	1130	60	1007.8	1001.2	..	32.1	25.9	23.1	28.3	59	..	4.6	..	13.3	0	4	27	02	0	0	0	1	7	14	7	0	0
	1430	60	1005.9	999.3	..	32.4	26.3	23.6	29.3	60	..	4.4	..	19.0	0	14	17	00	0	0	0	0	8	19	4	0	0
	1730	60	1004.9	998.2	..	31.0	26.0	23.8	29.5	66	..	4.4	..	17.9	0	11	20	00	0	0	1	0	3	20	7	0	0
	2030	60	1006.6	999.8	..	28.9	25.3	23.7	29.3	73	..	3.9	..	11.4	0	3	27	04	1	0	0	0	0	6	19	1	0
	2330	60	1007.3	1000.6	..	28.4	25.1	23.6	29.3	76	..	3.7	..	6.5	0	0	26	07	0	0	0	0	0	4	15	5	0
MORMUGAO	0530	62	..	..	..	29.7	25.2	24.1	30.0	80	..	3.9	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	0830	62	..	..	..	29.1	25.7	24.2	30.2	75	+ 2	4.4	-0.1	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1130	62	..	..	..	30.8	26.2	24.3	30.2	69	..	4.0	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	62	..	..	..	30.4	26.3	24.6	30.7	71	- 1	3.9	+0.0	..	.	..	..	..	..	..	..	..	..	..	..	..	..
DABOLIM (NAVAL AIR STN.)	0530	52	1006.3	1000.5	..	27.7	25.2	24.1	30.0	81	..	4.6	..	11.6	0	3	21	12	4	0	0	0	2	0	6	7	0
	0830	52	1008.1	1002.3	..	29.1	25.5	23.9	29.7	74	..	4.3	..	14.3	0	7	22	15	6	1	1	1	1	1	3	2	0
	1130	52	1007.9	1002.2	..	31.3	25.8	23.4	28.8	63	..	3.9	..	23.6	0	17	14	06	0	0	0	0	1	11	13	0	0
	1730	52	1005.0	999.3	..	30.7	26.0	24.0	29.8	68	..	4.1	..	27.8	0	26	5	04	0	0	0	1	0	4	22	0	0
	2330	52	1007.4	1001.6	..	28.7	25.5	24.1	30.0	77	..	3.4	..	17.2	0	9	19	12	2	0	1	0	0	1	12	3	0
MADHYA MAHARASHTRA																											
NANDURBAR	0830	206	1006.4	983.5	+0.2	30.1	22.4	17.9	20.8	50	-13	0.0	-1.7	13.5	0	6	25	00	0	0	0	0	30	0	1	0	0
	1730	206	1001.8	979.7	+1.0	39.5	23.5	12.9	15.9	24	- 6	0.0	-1.8	11.5	0	5	26	00	0	0	0	0	0	19	3	9	0
JALGAON	0830	201	1005.3	983.0	-0.5	31.2	21.9	15.9	18.6	42	-12	0.7	-0.6	27.4	0	25	6	01	0	0	0	0	1	15	14	0	0
	1730	201	999.1	977.7	-0.6	41.8	21.5	4.8	9.0	11	- 7	1.2	-0.9	26.5	0	24	7	02	1	0	0	0	1	13	14	0	0
MALEGAON	0830	437	1005.9	958.3	+0.0	30.8	24.9	21.8	26.6	60	+17	0.4	-1.3	12.1	0	4	27	05	0	0	1	0	2	10	13	0	0
	1730	437	1000.1	953.9	-0.1	39.7	27.6	21.8	26.9	38	+15	1.5	-1.3	18.6	0	16	15	09	4	1	1	0	1	4	11	0	0
OZAR	0530	608	1005.8	938.6	..	22.8	18.9	16.3	19.0	72	..	1.5	..	13.0	0	6	20	00	0	1	0	0	1	14	10	5	0
	0830	608	1006.1	940.1	..	28.7	21.3	17.1	20.0	52	..	1.3	..	21.2	0	20	11	01	0	0	0	1	4	12	13	0	0
	1130	608	1004.3	939.7	..	35.0	22.8	15.6	18.8	34	..	0.5	..	20.5	0	17	14	02	0	3	0	0	2	9	15	0	0
	1430	608	1001.4	937.5	..	37.6	23.0	14.7	17.4	28	..	1.5	..	23.6	0	21	10	02	2	0	1	0	1	12	13	0	0
	1730	608	1000.8	936.6	..	36.2	22.9	15.6	18.2	32	..	1.3	..	30.9	0	28	3	00	0	0	0	0	1	15	15	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MAY 1967 (ISAKHA – JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mb. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD.)																											
AHMADNAGAR	0830	657	1005.2	934.4	-0.6	29.3	19.8	13.9	16.1	41	- 3	1.0	-1.2	10.3	0	1	25	00	1	0	3	0	0	1	21	5	0
	1730	657	998.3	929.8	-0.9	38.2	21.6	11.0	13.6	20	- 2	2.5	-1.0	15.3	0	10	20	01	3	0	2	0	1	1	22	1	0
POONA AERODROME	0230	593	1005.5	940.1	..	24.4	19.7	16.7	19.5	64	..	0.7	..	15.5	0	6	24	00	0	0	0	0	3	25	2	1	0
	0530	593	1005.9	940.2	..	22.9	19.0	16.6	19.1	69	..	1.5	..	14.6	0	6	20	00	0	0	0	0	2	24	0	5	0
	0830	593	1006.3	941.8	..	27.0	19.9	15.5	18.1	51	..	2.2	..	16.7	0	9	17	00	0	0	0	0	1	24	1	5	0
	1130	593	1004.9	941.5	..	33.9	20.4	11.5	14.1	28	..	1.5	..	17.6	0	11	19	03	1	1	0	0	2	20	3	1	0
	1730	593	1001.2	938.2	..	34.3	21.1	12.6	15.4	31	..	2.5	..	28.6	0	28	3	00	1	0	0	0	2	23	5	0	0
	2330	593	1006.2	941.1	..	25.9	20.3	17.1	19.7	60	..	1.0	..	19.3	0	12	19	00	0	0	1	0	2	27	1	0	0
POONA	0530	559	1006.2	944.2	..	22.9	19.1	16.7	19.4	69	..	1.9	..	4.3	0	1	16	00	0	0	0	0	0	17	0	14	0
	0830	559	1006.9	945.8	-0.2	27.8	20.6	16.5	19.0	52	- 2	2.1	-0.3	6.5	0	2	16	00	0	0	0	0	0	16	2	13	0
	1130	559	1005.2	945.4	..	34.3	21.1	12.7	15.3	30	..	1.5	..	7.9	0	3	22	02	2	2	0	1	0	12	6	6	0
	1430	559	1002.0	942.9	..	37.2	21.4	11.3	13.9	23	..	2.5	..	9.1	0	1	27	01	0	1	0	2	0	14	10	3	0
	1730	559	1001.7	942.0	-0.2	34.3	22.2	15.5	17.8	35	+ 0	2.3	-0.4	15.6	0	8	23	00	0	0	0	0	0	24	7	0	0
	2030	559	1004.9	944.1	..	28.8	21.6	17.6	20.5	53	..	1.0	..	11.7	0	2	27	00	0	0	0	0	0	26	3	2	0
	2330	559	1006.4	945.1	..	26.3	20.6	17.2	20.0	60	..	1.1	..	6.6	0	1	22	00	0	0	0	0	2	20	1	8	0
JEUR	0830	521	1005.9	949.1	+0.0	28.9	20.8	16.1	18.5	48	-10	2.0	-0.8	16.8	0	13	18	11	2	0	0	0	1	4	13	0	0
	1730	521	998.8	944.2	-0.1	39.7	21.4	9.4	12.0	18	-10	3.3	-0.7	16.8	0	14	17	13	5	2	1	1	1	2	6	0	0
BARAMATI	0830	551	1006.9	946.7	+0.8	27.6	22.1	18.9	22.9	59	+ 0	1.5	-1.5	7.9	0	1	30	11	0	0	0	3	2	9	6	0	0
	1730	551	999.9	942.1	+0.8	38.1	25.0	18.9	22.1	34	+ 2	2.0	-2.3	14.9	0	14	17	14	0	0	1	1	3	8	4	0	0
SHOLAPUR	0530	479	1004.6	952.0	..	26.9	21.2	18.1	21.0	60	..	2.7	...	5.4	0	0	25	04	1	0	1	0	3	5	11	6	0
	0830	479	1006.0	953.9	-0.2	30.5	22.2	17.9	20.8	48	- 2	2.4	-0.6	7.9	0	1	27	02	4	0	1	0	3	5	13	3	0
	1130	479	1003.9	953.0	..	36.9	23.3	16.1	18.5	30	..	1.6	..	9.0	0	3	28	05	7	1	1	2	5	3	7	0	0
	1430	479	1000.3	950.0	..	40.1	23.4	14.2	16.5	22	..	2.7	..	7.2	0	0	30	05	2	1	4	1	2	4	11	1	0
	1730	479	998.8	948.6	-0.5	39.7	22.8	13.0	15.3	22	- 2	3.3	-1.2	8.1	0	0	31	09	4	1	2	0	1	4	10	0	0
	2330	479	1004.0	952.2	..	31.5	21.6	16.0	18.5	41	..	2.7	..	11.5	0	4	27	00	2	0	2	2	7	5	13	0	0
MIRAJ	0830	554	1007.2	946.8	+0.1	26.3	22.2	20.4	23.8	71	- 2	3.9	+0.7	..	0	0	21	00	0	0	0	0	1	20	0	10	0
	1730	554	1000.9	942.4	+0.1	36.2	23.6	16.8	19.9	34	- 7	4.7	+0.5	..	0	0	25	00	0	0	0	0	1	24	0	6	0
KOLHAPUR	0530	570	1006.2	943.0	..	23.0	21.0	20.0	23.4	85	..	3.6	..	10.8	0	5	22	00	0	0	0	1	0	25	1	4	0
	0830	570	1007.2	944.6	-0.1	25.7	21.8	19.9	23.2	71	- 2	2.9	-0.8	8.6	0	2	24	02	0	0	0	1	2	18	3	5	0
	1130	570	1005.3	944.3	..	33.2	23.0	16.4	20.6	39	..	2.0	..	11.9	0	4	26	04	5	1	0	0	2	13	5	1	0
	1730	570	1001.5	940.8	-0.2	33.3	23.6	18.7	22.1	44	- 6	2.7	-1.4	22.5	0	25	6	00	0	0	1	0	4	23	2	0	1
	2330	570	1006.8	944.1	..	25.2	22.2	20.7	24.6	76	..	2.1	..	13.2	0	8	23	00	1	1	0	0	0	22	7	0	0
UDGIRI																											
MARATHWADA																											
AURANGABAD	0830	581	1005.8	943.0	-0.3	30.5	20.4	14.1	16.5	39	- 8	1.6	-0.7	12.2	0	10	14	03	2	0	0	0	2	14	3	7	0
	1730	581	999.4	938.7	-0.2	38.9	21.3	9.4	12.3	18	- 6	3.0	-0.4	16.6	0	13	17	06	4	0	1	1	1	7	10	1	0
AURANGABAD (CHIKALTHANA)	0230	579	1003.5	940.4	..	27.3	17.9	10.8	13.7	39	..	0.9	..	20.1	0	17	13	02	0	0	1	0	1	22	4	1	0
	0530	579	1004.4	940.9	..	25.4	17.5	11.4	14.2	45	..	1.7	..	16.0	0	9	21	01	1	0	0	0	1	22	5	1	0
	0830	579	1005.3	942.6	+0.0	30.1	19.6	12.2	15.1	37	-13	1.4	-0.9	22.6	0	21	10	04	0	0	0	0	1	16	10	0	0
	1130	579	1003.5	942.2	..	36.6	20.6	9.5	12.5	21	..	1.5	..	23.5	0	17	14	10	1	1	1	1	1	6	10	0	0
	1430	579	1000.4	939.8	..	38.9	20.6	7.3	10.9	15	..	2.6	..	23.7	0	17	14	09	4	0	0	0	2	8	8	0	0
	1730	579	999.0	938.3	+0.1	38.5	20.2	6.7	10.3	15	-14	2.6	-1.3	26.2	0	25	6	09	1	0	1	0	0	7	13	0	0
	2030	579	1001.9	940.1	..	33.4	18.9	8.4	11.2	23	..	1.5	..	17.9	0	10	20	05	1	0	0	2	0	7	15	1	0
	2330	579	1003.9	941.3	..	30.2	18.4	9.4	12.5	30	..	1.2	..	21.0	0	15	16	02	1	0	0	0	1	11	16	0	0
PARBHANI	0830	423	1005.8	959.7	+0.4	30.9	22.4	16.8	20.2	46	- 2	1.5	-1.1	13.7	0	6	25	00	0	0	0	2	3	14	12	0	0
	1730	423	998.9	954.5	+0.3	40.7	24.2	14.4	16.7	23	- 1	3.0	-1.1	12.6	0	5	25	09	2	1	2	2	0	9	5	1	0
NANDER	0830	358	1004.7	965.8	..	33.2	22.5	15.5	18.5	39	..	0.4	..	6.4	0	0	24	02	2	0	0	1	8	7	4	7	0
	1730	358	999.3	961.5	..	40.6	26.5	19.7	22.9	30	..	0.8	..	6.1	0	0	30	07	2	6	1	2	0	7	5	1	0
BIR	0830	519	1006.2	949.8	..	30.2	21.1	15.7	18.3	43	..	1.5	..	8.8	0	0	30	00	2	0	0	0	3	0	25	1	0
	1730	519	999.6	945.3	..	39.3	23.6	14.7	17.6	25	..	2.4	..	8.7	0	1	30	00	11	0	0	0	3	0	17	0	0
VIDARBHA																											
GONDIA	0830	313	1003.6	969.6	+0.1	33.6	21.6	13.4	16.0	31	- 6	0.8	-1.7	4.3	0	0	28	08	2	0	2	2	8	1	5	3	0
	1730	313	997.9	964.9	+0.1	40.2	22.3	9.2	12.3	17	- 3	1.6	-1.7	3.7	0	0	26	05	0	1	0	3	7	5	5	5	0
NAGPUR (SONEGAON)	0230	310	1001.1	967.1	..	30.2	21.3	15.5	18.1	43	..	1.6	..	9.1	0	1	26	01	0	1	1	3	5	2	14	4	0
	0530	310	1002.2	967.9	..	28.2	20.4	15.3	17.6	47	..	2.0	..	6.5	0	0	21	02	0	0	0	1	3	3	12	10	0
	0830	310	1003.4	969.8	+0.0	34.4	24.2	18.4	21.8	41	+ 7	2.0	-0.8	19.7	0	16	13	03	1	1	1	5	3	2	13	2	0
	1130	310	1002.1	969.1	..	39.9	25.8	18.6	21.6	30	..	1.4	..	14.1	0	8	23	02	4	1	1	3	7	1	12	0	0
	1430	310	999.0	966.3	..	42.0	26.1	17.7	20.8	25	..	3.1	..	11.6	0	3	27	03	2	1	0	2	7	3	12	1	0
	1730	310	997.7	965.0	+0.1	40.7	25.4	17.2	19.9	26	+ 7	3.4	-0.8	10.6	0	6	20	02	0	1	1	4	4	4	10	5	0
	2030	310	1000.2	966.8	..	35.1	23.1	15.6	18.4	32	..	1.5	..	6.9	0	1	25	02	1	0	6	2	1	4	10	5	0
	2330	310	1001.5	967.6	..	32.3	21.9	15.2	17.8	37	..	1.7	..	10.1	0	4	25	02	0	1	2	2	5	5	12	2	0

[illegible] CLOSED FROM 1st MAY 1967

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY 1967 VAISAKHA - JYAISTHA, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 62 or more	20 to 61	1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA (CONTD)																											
AMRAOTI	0830	370	1003.8	963.7	-0.3	32.6	22.7	16.6	19.4	39	+ 2	0.6	-1.6	7.0	0	0	31	01	1	1	2	3	6	10	7	0	0
	1730	370	998.1	959.1	+0.0	40.7	24.3	14.1	16.9	23	+ 2	2.6	-1.7	6.2	0	0	31	06	3	0	0	2	4	7	9	0	0
AKOLA AERODROME	0530	309	1002.5	968.4	..	28.7	17.9	8.8	11.7	31	..	1.8	..	8.3	0	3	26	01	1	0	0	2	2	14	9	2	0
	0830	309	1004.1	970.3	..	32.3	20.4	11.2	14.3	30	..	1.3	..	10.5	0	2	28	00	0	0	0	1	2	15	12	1	0
	1130	309	1002.8	969.7	..	38.6	21.1	6.7	10.7	16	..	1.4	..	11.5	0	3	25	03	1	0	0	0	1	12	11	3	0
	1430	309	999.5	966.8	..	41.7	21.1	2.8	8.2	10	..	2.5	..	11.3	0	2	27	02	1	0	0	0	5	13	8	2	0
	1730	309	998.1	965.5	..	41.4	20.5	1.2	7.1	9	..	2.8	..	11.8	0	1	29	01	3	0	0	2	2	11	11	1	0
	2030	309	1000.1	966.9	..	36.4	19.0	2.8	7.9	13	..	1.8	..	8.3	0	1	30	00	1	0	0	2	3	16	9	0	0
	2330	309	1001.5	967.9	..	33.3	18.4	4.3	9.0	18	..	1.5	..	8.3	0	0	30	00	1	0	0	2	4	10	13	1	0
AKOLA	0830	282	1004.4	973.5	-0.3	32.3	21.7	14.6	17.3	36	- 3	0.9	-1.2	4.4	0	1	29	00	0	0	0	0	10	8	12	1	0
	1730	282	998.2	968.4	-0.5	41.8	22.8	9.2	12.2	16	- 3	2.5	-0.3	3.0	0	0	28	00	1	0	1	0	5	4	17	3	0
BRAMHAPURI	0830	229	1004.1	979.0	-0.7	32.4	20.9	13.1	15.3	34	-12	1.6	-1.3	7.3	0	2	27	03	2	0	6	8	3	4	3	2	0
	1730	229	998.5	974.2	-0.4	41.4	22.3	8.6	11.3	15	- 9	2.5	-0.7	6.6	0	0	31	06	3	2	0	6	6	3	5	0	0
BULDANA	0830	650	1004.7	934.5	+0.0	29.1	20.4	15.4	17.6	44	- 7	0.7	-2.0	14.1	0	5	25	03	0	0	0	0	2	0	25	1	0
	1730	650	998.6	930.7	-0.1	38.0	21.4	10.8	13.3	21	- 4	2.2	-1.3	9.2	0	3	28	03	1	0	0	0	4	0	23	0	0
YEOTMAL	0830	451	1003.6	955.0	+0.0	33.5	21.6	13.0	16.1	32	- 8	1.3	-1.8	11.9	0	3	28	02	0	1	0	6	4	8	10	0	0
	1730	451	997.6	950.3	-0.1	40.6	21.3	5.4	9.5	13	-12	3.4	-1.0	9.7	0	3	27	02	2	1	1	2	1	10	11	1	0
CHANDRAPUR	0830	193	1004.1	982.9	-0.4	32.5	21.0	13.0	15.5	32	- 4	1.8	-0.6	9.0	0	5	26	02	1	3	4	7	2	5	7	0	0
	1730	193	998.5	978.0	+0.0	41.7	24.4	13.4	16.4	21	+ 0	1.9	-1.5	7.9	0	2	29	06	5	1	4	2	1	5	7	0	0
PUSAD	0830	334	1005.3	969.0	..	33.0	24.2	19.4	22.9	46	..	1.0	..	3.3	0	0	25	00	0	0	5	0	5	1	14	6	0
	1730	334	999.5	964.2	..	40.9	27.3	20.9	25.0	33	..	3.9	..	3.7	0	0	29	00	4	0	3	1	4	0	17	2	0
SIRONCHA	0830	123	1005.2	991.6	+0.1	32.4	24.1	19.6	23.2	49	- 3	1.9	-1.4	2.6	0	0	30	01	2	0	15	1	6	0	5	1	0
	1730	123	999.2	986.1	+0.2	41.7	24.4	14.0	16.4	21	- 6	2.2	-1.3	2.3	0	0	27	02	1	0	5	2	6	2	9	4	0
WARDHA	0830	283	1004.0	973.3	..	34.8	21.3	11.7	14.3	26	..	1.7	..	8.2	0	0	31	03	1	2	3	5	4	5	8	0	0
	1730	283	998.8	968.9	..	41.6	22.3	7.6	11.2	14	..	3.1	..	9.4	0	0	31	07	3	1	2	4	3	3	8	0	0
BHANDARA	0830		..	..	..	33.4	21.2	12.7	15.3	31	..	.	..	4.8	0	0	30	01	5	1	4	6	4	7	2	1	0
	1730		..	..	..	41.3	23.0	10.2	13.1	17	..	.	..	3.6	0	0	27	03	3	0	4	2	5	5	4	4	1
COASTAL ANDHRA PRADESH																											
KALINGAPATAM	0830	6	1004.9	1004.3	-0.2	31.0	28.1	26.9	35.4	79	+ 3	2.3	-2.1	16.3	0	11	19	02	0	1	0	13	12	1	1	1	0
	1730	6	1001.4	1000.8	-0.2	30.9	28.3	26.8	36.1	79	+ 2	2.1	-2.7	16.4	0	12	19	02	0	0	0	13	14	0	2	0	0
VISHAKHAPATNAM	0230	3	1003.4	1003.0	..	29.0	27.3	26.6	35.0	87	..	3.6	..	7.7	0	1	27	00	0	0	0	4	14	8	2	3	0
	0530	3	1003.8	1003.4	..	28.4	26.7	26.1	33.8	88	..	4.6	..	4.7	0	0	20	01	0	1	0	0	12	5	1	11	0
	0830	3	1005.3	1004.9	-0.4	31.9	27.3	25.4	32.4	67	- 8	3.6	-0.8	14.5	0	7	24	01	0	0	1	2	23	3	0	0	1
	1130	3	1004.4	1004.0	..	35.6	28.2	25.2	32.1	57	..	2.8	..	19.3	0	14	17	01	0	1	4	13	11	0	0	0	1
	1430	3	1002.1	1001.7	..	35.4	28.7	26.1	33.8	59	..	3.0	..	23.0	0	21	10	00	0	1	2	14	14	0	0	0	0
	1730	3	1001.9	1001.5	+0.0	32.5	27.6	25.5	33.0	68	-15	4.2	-0.5	15.7	0	7	24	00	0	0	3	12	14	1	1	0	0
	2030	3	1004.0	1003.6	..	30.4	27.5	26.3	34.2	79	..	3.0	..	10.4	0	2	29	01	0	1	4	6	18	1	0	0	0
	2330	3	1004.5	1004.1	..	29.8	27.5	26.6	34.8	83	..	3.4	..	7.9	0	0	29	00	0	2	1	4	16	5	1	2	0
KAKINADA	0830	8	1005.4	1004.5	-0.4	31.6	27.5	26.1	33.4	73	+ 2	4.0	-0.3	9.2	0	0	31	00	4	0	12	0	13	0	2	0	0
	1730	8	1001.6	1000.7	+0.0	34.1	28.0	25.5	32.4	62	- 2	3.2	+0.2	11.7	0	0	31	00	0	0	31	0	0	0	0	0	0
NIDADAVOLE	0830	12	1005.6	1004.2	-0.4	30.9	26.6	24.2	31.3	72	- 2	5.0	-1.1	3.5	0	0	31	02	2	9	1	5	6	5	1	0	0
	1730	12	1001.2	999.2	-0.9	36.9	26.1	20.4	24.7	44	- 9	4.0	-0.9	4.8	0	0	31	00	1	1	5	12	6	6	0	0	0
RENTACHINTALA	0830	106	1004.8	993.2	-0.1	32.9	25.1	20.9	25.6	54	- 1	2.1	-2.1	1.5	0	0	24	01	0	5	0	6	0	11	1	7	0
	1730	106	999.9	988.5	+0.2	40.3	24.9	16.1	19.0	27	- 4	2.7	-2.1	1.7	0	0	24	02	0	6	0	8	0	8	0	7	0
GANNAVARAM	0230	24	1003.1	1000.4	..	28.2	25.5	24.1	30.4	81	..	2.8	..	4.6	0	0	19	00	0	8	4	1	2	4	0	12	0
	0530	24	1003.6	1000.9	..	27.7	25.3	23.9	30.2	83	..	3.9	..	3.9	0	0	15	02	1	6	3	0	0	3	0	16	0
	0830	24	1005.3	1002.6	-0.1	31.9	26.3	23.4	29.7	66	+ 1	4.3	+0.2	9.5	0	3	24	02	0	2	5	10	2	3	3	4	0
	1130	24	1004.4	1001.8	..	36.8	26.1	20.7	25.0	42	..	2.7	..	11.6	0	5	25	02	0	1	7	8	4	4	4	1	0
	1430	24	1001.7	999.1	..	39.3	25.9	18.7	22.8	33	..	3.2	..	11.8	0	6	22	03	0	1	7	7	3	2	5	3	0
	1730	24	1001.0	998.6	+0.3	37.0	26.1	20.7	24.9	42	- 1	3.3	-0.7	13.4	0	3	26	01	0	0	9	12	4	0	3	2	0
	2030	24	1003.5	1000.8	..	31.5	25.4	22.2	27.6	62	..	2.6	..	11.7	0	2	27	02	0	1	12	10	2	0	2	2	0
	2330	24	1004.3	1001.6	..	29.6	25.5	23.3	29.3	73	..	2.9	..	7.2	0	2	18	01	1	2	7	4	2	1	2	11	0
MASULIPATAM	0830	3	1005.3	1005.0	-0.3	31.4	26.6	24.6	30.9	69	- 2	6.0	+2.2	4.3	0	0	28	01	0	2	2	14	4	3	1	3	1
	1730	3	1002.1	1001.8	+0.5	33.7	27.6	24.7	32.1	63	- 2	4.2	+1.4	5.7	0	0	31	00	0	5	6	8	5	2	1	0	4
ONGOLE	0830	12	1004.9	1003.7	-0.4	33.8	26.9	23.7	29.7	59	-15	4.0	+0.6	5.3	0	0	31	02	0	0	18	0	0	10	1	0	0
	1730	12	1001.4	1000.1	-0.2	35.6	27.3	23.8	29.3	53	-21	4.2	+0.7	5.2	0	0	31	00	1	1	21	0	0	6	2	0	0
NELLORE	0530	20	1003.8	1001.6	..	28.0	25.7	24.7	31.1	83	..	4.7	..	4.7	0	0	26	00	1	4	12	1	5	2	1	5	0
	0830	20	1005.4	1003.2	-0.2	32.3	27.3	25.3	32.2	69	+ 9	6.2	+1.9	9.2	0	1	30	01	1	0	13	2	6	6	2	0	0
	1130	20	1004.8	1002.7	..	36.3	27.9	24.4	30.5	52	..	4.5	..	10.8	0	3	28	00	2	3	6	1	8	3	8	0	0
	1430	20	1002.4	1000.3	..	38.1	28.7	24.9	31.5	49	..	4.6	..	9.0	0	0	31	00	1	3	9	1	10	2	5	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY 1967 (ISAKHA - JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or bt. in gpm. of nearest standard isobaric level	Mean pressure in mb. At station level	Mean pressure in mb. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL ANDHRA PRADESH (CONTD.)																											
NELLORE (Contd.)	1730	20	1001.9	999.7	+0.3	34.8	28.0	25.2	32.1	59	+ 5	4.9	+0.8	9.2	0	0	31	00	1	4	19	0	2	3	2	0	0
	2330	20	1004.6	1002.4	..	29.6	26.3	25.2	32.1	78	..	4.5	..	5.4	0	1	23	00	0	6	6	1	7	2	2	7	0
TELANGANA																											
RAMGUNDAM	0830	156	1004.6	987.4	+0.1	32.8	23.6	18.4	21.6	45	+ 1	1.5	-1.7	6.3	0	0	31	01	1	1	1	12	5	8	2	0	0
	1730	156	999.1	983.8	+1.6	41.7	23.8	12.4	14.8	19	- 4	2.1	-2.0	3.6	0	0	30	00	5	3	10	2	2	4	4	1	0
NIZAMABAD	0830	381	1004.7	963.3	+0.0	32.7	22.0	14.6	17.8	37	+ 0	1.3	-1.2	2.8	0	0	23	00	1	1	0	2	18	1	0	8	0
	1730	381	997.5	958.4	-0.1	41.2	26.3	17.9	20.6	28	+ 6	1.2	-2.1	2.9	0	0	21	00	6	1	1	0	2	7	4	10	0
HANAMKONDA	0830	269	1004.7	975.1	-0.4	30.6	23.9	20.1	24.1	55	+ 4	1.2	-1.5	2.3	0	0	31	04	1	0	4	16	0	3	3	0	0
	1730	269	1000.4	972.2	+1.3	40.2	23.4	13.2	15.1	21	- 3	0.7	-2.5	2.0	0	0	31	11	2	0	9	5	1	0	3	0	0
HAKIMPET AERODROME	0530	613	1003.6	936.9	..	26.7	21.0	17.8	20.8	60	..	3.1	..	17.3	0	9	22	03	1	0	10	0	5	5	7	0	0
	0830	613	1004.5	938.6	..	30.5	22.2	17.7	20.8	49	..	2.5	..	21.3	0	13	18	04	0	1	1	5	4	6	10	0	0
	1130	613	1002.8	938.1	..	35.9	23.3	16.6	19.3	33	..	2.6	..	22.0	0	15	16	05	2	1	3	2	6	4	8	0	0
	1730	613	999.6	935.4	..	37.5	23.0	14.9	17.4	27	..	3.4	..	18.5	0	9	22	06	3	3	7	1	2	1	8	0	0
	2330	613	1002.8	937.1	..	31.1	21.6	16.3	18.8	43	..	2.6	..	15.3	0	8	23	01	3	3	9	4	3	3	5	0	0
BHADRACHALLAM	0830	111	1004.7	992.4	-0.7	31.7	24.9	20.8	25.9	59	- 2	3.3	-0.7	5.0	0	0	31	00	8	1	12	0	4	0	6	0	0
	1730	111	999.7	987.8	+0.1	40.0	24.7	15.7	18.5	27	- 4	3.3	-1.9	4.5	0	0	31	00	5	0	20	0	6	0	0	0	0
HYDERABAD (BEGAMPET)	0230	545	1002.5	943.5	..	29.1	20.1	14.1	16.0	43	..	2.2	..	9.6	0	7	17	01	0	3	8	1	2	3	6	7	0
	0530	545	1003.6	944.2	..	27.3	20.2	15.9	17.9	52	..	3.3	..	8.2	0	4	20	01	1	2	4	5	3	3	5	7	0
	0830	545	1004.9	946.1	+0.0	30.9	21.3	15.7	18.2	42	- 8	2.6	-0.9	14.5	0	11	19	04	1	0	2	4	4	4	11	1	0
	1130	545	1003.0	945.4	..	36.5	21.8	13.1	15.1	26	..	2.6	..	13.3	0	8	22	07	3	0	2	5	4	3	6	1	0
	1730	545	998.8	941.9	+0.2	38.2	21.3	10.5	12.9	21	-12	4.0	-0.4	14.1	0	4	26	05	4	2	10	1	2	0	6	1	0
	2330	545	1003.1	944.6	..	31.2	20.8	14.5	16.9	38	..	2.4	..	8.8	0	2	22	02	1	0	10	1	3	1	6	7	0
KHAMMAM	0830	112	1005.0	992.9	-0.2	32.0	24.5	20.4	24.6	54	-13	3.4	-0.1	4.4	0	0	21	02	0	1	12	0	0	4	2	10	0
	1730	112	1000.1	987.9	+0.0	39.8	25.6	17.7	21.1	29	- 4	3.7	-0.6	0.8	0	0	9	05	0	1	2	0	0	1	0	22	0
MAHBUBNAGAR	0830	505	1004.9	950.1	-0.5	30.5	21.5	16.2	18.9	44	-13	4.0	-0.3	10.4	0	0	31	02	2	2	1	0	9	8	7	0	0
	1730	505	999.2	945.9	-0.5	37.2	22.5	13.8	16.4	28	- 6	4.9	-0.2	5.7	0	0	30	05	3	4	2	4	2	3	7	1	0
RAYALASEEMA																											
KURNOOL	0830	281	1006.1	975.1	-0.2	30.9	22.8	18.5	21.5	49	- 5	4.0	+0.0	12.8	0	8	23	00	1	0	5	0	13	1	11	0	0
	1730	281	999.9	969.9	+0.1	39.1	13.2	12.2	14.7	22	- 5	5.1	+0.9	8.5	0	4	24	00	4	0	6	0	7	0	8	3	3
NANDYL	0830	212	1005.9	982.6	..	32.2	24.7	20.8	24.9	53	..	2.3	..	9.5	0	6	23	02	0	2	5	2	3	7	8	2	0
	1730	212	999.9	977.3	..	39.4	24.8	16.5	19.4	28	..	3.3	..	11.0	0	2	28	03	1	11	1	4	0	6	4	1	0
ANANTAPUR	0530	350	1004.6	965.8	..	27.1	23.9	22.2	27.1	76	..	4.1	..	11.2	0	5	17	00	1	2	3	1	5	10	0	9	0
	0830	350	1006.2	967.7	+0.0	29.4	24.8	22.7	27.6	68	+ 6	3.3	-1.0	11.2	0	5	23	00	0	0	3	1	4	15	5	3	0
	1130	350	1005.1	967.0	..	34.7	24.9	19.8	23.5	44	..	3.3	..	10.2	0	4	22	03	0	1	2	1	2	8	9	5	0
	1430	350	1001.4	964.0	..	37.7	25.1	18.1	21.6	34	..	4.0	..	9.2	0	1	23	00	2	2	1	0	2	3	8	7	6
	1730	350	1000.2	962.9	+0.1	37.5	24.6	17.3	20.2	34	+ 2	4.4	-0.4	10.1	0	2	24	03	3	6	2	1	0	3	8	5	0
	2030	350	1002.6	964.7	..	33.6	23.7	18.1	21.3	43	..	2.6	..	7.9	0	4	13	00	0	7	2	1	3	2	2	14	0
	2330	350	1004.2	966.0	..	30.9	23.7	19.5	23.7	55	..	3.1	..	17.7	0	11	13	00	0	3	5	3	4	7	2	7	0
CUDDAPAH	0830	130	1006.3	991.9	-0.3	32.0	24.8	21.3	25.3	55	- 2	3.1	-0.3	3.3	0	0	19	00	0	2	1	0	0	16	0	12	0
	1730	130	1000.7	986.7	-0.1	38.7	25.5	18.6	21.8	33	- 8	3.5	-0.6	2.2	0	0	14	00	1	8	2	0	0	3	0	17	0
AROGYAVARAM	0830	701	1005.8	930.0	-0.4	27.6	22.0	19.3	21.8	62	+ 2	3.7	-1.4	8.5	0	6	24	00	1	0	7	0	7	0	15	1	0
	1730	701	1001.2	926.8	+0.0	33.3	22.5	16.1	18.3	39	+ 1	3.9	-1.9	10.6	0	3	28	02	0	0	13	0	1	0	15	0	0
MADRAS STATE (INCLUDING PONDICHERRY)																											
MADRAS	0830	6	1006.2	1005.5	+0.2	30.7	26.3	24.4	30.5	69	+ 3	5.0	+0.5	6.7	0	0	29	00	0	1	2	11	4	9	2	2	0
	1730	6	1002.6	1001.9	..	32.2	27.0	24.8	31.3	66	..	1.9	..	7.3	0	0	29	00	0	4	21	2	1	0	1	2	0
MADRAS (MINAMBAKKAM)	0230	16	1003.8	1002.1	..	28.5	25.8	24.6	31.1	80	..	3.0	..	7.9	0	1	23	00	0	0	5	12	5	2	0	7	0
	0530	16	1004.4	1002.6	..	27.9	25.3	24.2	30.0	81	..	4.5	..	6.6	0	0	21	00	0	0	1	13	3	4	0	10	0
	0830	16	1006.0	1004.3	-0.2	31.0	26.0	23.8	29.5	66	+ 3	4.7	+0.2	11.9	0	4	27	01	0	1	1	17	8	3	0	0	0
	1130	16	1005.3	1003.6	..	35.0	25.9	21.6	25.9	48	..	4.5	..	15.0	0	8	23	00	1	2	3	8	5	9	3	0	0
	1430	16	1002.9	1001.2	..	36.3	26.6	22.1	26.9	46	..	4.3	..	15.3	0	9	22	00	2	10	5	6	3	5	0	0	0
	1730	16	1002.5	1000.8	+0.0	33.4	26.6	23.7	29.3	58	- 8	4.7	+0.3	14.9	0	9	22	00	1	5	15	7	0	3	0	0	0
	2030	16	1004.8	1003.1	..	30.3	26.8	25.4	32.2	75	..	2.9	..	12.1	0	2	29	00	0	3	16	9	1	1	1	0	0
	2330	16	1005.3	1003.6	..	29.5	26.3	25.0	31.5	77	..	2.9	..	12.4	0	5	23	00	0	0	8	18	1	0	1	3	0
VELLORE	0530	214	1004.9	981.0	..	27.0	23.9	22.4	27.3	77	..	4.6	..	1.8	0	0	10	01	0	0	0	3	4	2	0	21	0
	0830	214	1006.5	982.8	+0.1	29.6	24.8	22.6	27.4	67	+ 5	3.9	+0.2	5.7	0	0	26	01	2	0	1	4	4	8	6	5	0
	1130	214	1005.4	982.1	..	34.2	25.5	21.3	25.5	49	..	4.5	..	5.2	0	0	29	01	0	2	0	3	5	15	3	2	0
	1730	214	1001.7	978.6	+0.3	36.1	24.7	18.8	21.7	39	- 3	4.3	-0.6	5.5	0	0	27	04	3	1	9	4	2	1	3	4	0
	2330	214	1005.1	982.1	..	29.2	24.5	22.2	26.9	68	..	3.4	..	4.2	0	0	18	00	0	0	5	8	2	3	0	13	0
TAMBARAM AERODROME	0830	29	1005.8	1002.6	..	31.5	26.9	24.7	31.1	68	..	5.0	..	20.1	0	16	13	00	1	1	2	9	7	9	0	2	0
	1730	29	1002.8	999.6	..	34.1	27.2	24.3	30.4	58	..	4.4	..	21.7	0	18	12	00	0	3	17	6	1	3	0	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - - MAY ,1967AISAKHA - JYAISTHA,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 32 or more	20 to 31	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADRAS STATE(INCLUDING PUNDICHERRY)																											
TIRUPPATTUR	0830	390	1008.1	964.6	+0.7	24.4	22.7	21.8	26.1	86	+19	7.6	+2.5	3.5	0	0	28	21	0	0	0	7	0	0	0	3	0
	1730	390	1004.0	961.3	+1.6	29.1	23.9	21.4	25.2	65	+20	7.7	+1.7	7.7	0	0	30	20	0	2	0	8	0	0	0	1	0
METTUR DAM R.S.	0830	244	..	..	..	29.5	25.0	22.9	27.9	68	..	3.8	..	3.0	0	0	28	00	7	0	10	0	5	0	6	3	0
	1730	244	..	..	..	30.4	27.5	26.4	34.4	79	..	4.9	..	4.0	0	0	31	00	9	0	10	0	8	0	5	0	0
CUDDALORE	0530	12	1004.7	1003.4	..	27.3	25.4	24.6	30.7	85	..	4.8	..	2.3	0	0	16	00	0	0	0	7	8	1	0	15	0
	0830	12	1006.3	1005.0	-0.5	30.6	26.5	24.9	31.1	72	+ 5	4.5	+0.1	4.9	0	0	24	00	2	0	4	3	15	0	0	7	0
	1130	12	1005.7	1004.4	..	34.3	27.3	24.3	30.7	58	..	3.6	..	6.9	0	0	31	00	3	0	14	5	5	4	0	0	0
	1430	12	1003.3	1002.0	..	34.8	27.9	24.9	31.9	59	..	3.5	..	7.7	0	1	28	00	0	0	21	1	5	1	1	2	0
	1730	12	1002.8	1001.5	-0.1	31.3	27.9	26.5	34.8	77	+ 5	4.7	+0.2	9.0	0	0	31	00	0	2	28	0	1	0	0	0	0
	2330	12	1005.7	1004.4	..	29.3	26.9	25.8	33.5	82	..	3.3	..	7.4	0	0	25	00	0	0	12	8	4	0	0	6	1
KALLAKKURICHCHI	0830	127	1006.0	992.0	-0.1	30.7	27.3	25.9	33.4	76	+ 9	4.2	+0.5	4.3	0	0	23	00	5	1	7	4	6	0	0	8	0
	1730	127	1001.8	988.0	+0.2	36.7	28.6	25.4	32.4	54	+ 7	4.6	-0.1	7.8	0	0	24	00	1	8	5	3	3	0	4	7	0
SALEM	0530	278	1005.0	974.1	..	26.5	23.6	22.2	26.7	77	..	4.0	..	2.0	0	0	17	00	0	4	0	2	6	5	0	14	0
	0830	278	1006.7	975.9	-0.5	29.0	24.4	22.3	26.9	66	- 3	4.5	+0.5	1.4	0	0	8	00	0	2	1	0	4	1	0	23	0
	1130	278	1005.5	975.2	..	33.3	25.4	21.1	25.8	51	..	4.0	..	6.2	0	0	29	00	2	2	1	1	3	13	1	2	6
	1730	278	1001.4	971.3	-0.6	35.3	24.7	18.7	21.6	41	- 6	6.0	+0.9	7.2	0	2	22	00	4	8	1	1	5	5	0	7	0
	2330	278	1006.0	975.2	..	29.1	24.1	21.6	25.8	64	..	5.8	..	6.0	0	0	22	00	1	6	1	3	6	5	0	9	0
COIMBATORE(PILAMEDU)	0530	399	1005.7	961.1	..	24.6	24.0	23.7	29.3	95	..	3.2	..	9.0	0	3	17	00	1	0	0	9	11	0	0	11	0
	0830	399	1007.4	963.5	+0.2	27.1	24.8	23.7	29.4	82	+ 7	4.1	-0.5	10.6	0	0	26	01	3	1	0	9	12	0	0	5	0
	1130	399	1006.3	962.9	..	31.2	25.7	23.2	28.4	63	..	4.6	..	14.0	0	0	27	00	1	2	1	11	10	0	1	4	1
	1430	399	1003.3	960.3	..	33.2	25.5	21.8	26.5	53	..	4.5	..	20.7	0	18	11	00	4	2	0	13	8	1	0	2	1
	1730	399	1002.9	959.6	+0.0	31.1	25.0	22.0	26.8	60	+ 4	5.5	+0.0	20.9	0	16	15	00	2	2	1	10	15	1	0	0	0
	2030	399	1005.8	961.8	..	27.2	24.7	23.5	29.0	81	..	4.0	..	14.0	0	9	17	00	0	0	0	12	13	1	0	5	0
	2330	399	1006.9	962.7	..	25.8	24.5	23.9	29.7	89	..	4.0	..	9.6	0	0	22	00	0	0	0	11	10	0	1	9	0
COIMBATORE	0830	409	1007.0	963.6	+1.2	27.6	24.1	22.5	27.3	74	+ 0	4.8	+0.3	5.7	0	0	31	00	2	1	1	5	21	0	0	0	1
NAGAPATTINAM	0830	9	1006.8	1005.8	-0.4	30.8	26.4	24.5	30.7	69	+ 0	6.1	+1.2	11.5	0	5	25	00	1	1	5	2	16	4	1	1	0
	1730	9	1003.2	1002.2	-0.4	32.2	26.9	24.7	31.1	65	- 4	5.7	+1.3	18.8	0	16	15	00	0	1	10	12	8	0	0	0	0
TIRUCHCHIRAPPALLI	0230	88	1004.3	994.4	..	28.5	24.4	22.4	27.1	70	..	4.5	..	9.4	0	5	19	00	1	1	3	3	2	12	2	7	0
	0530	88	1004.6	994.7	..	27.6	24.2	22.7	27.6	75	..	4.9	..	8.5	0	3	18	00	0	1	0	1	1	16	2	10	0
	0830	88	1006.4	996.6	-0.6	30.1	25.0	22.6	27.4	64	- 3	5.2	+0.9	19.4	0	10	21	01	1	8	5	5	3	7	1	0	0
	1130	88	1005.6	995.9	..	34.6	25.4	21.0	24.9	46	..	5.0	..	20.5	0	18	13	01	2	2	2	0	3	17	4	0	0
	1430	88	1002.5	993.0	..	37.2	25.2	18.9	21.8	36	..	5.2	..	19.0	0	12	19	01	4	4	4	2	5	6	5	0	0
	1730	88	1001.7	992.2	-0.6	36.4	24.9	18.9	21.8	37	- 4	5.7	+0.7	16.0	0	10	21	01	1	8	5	5	3	7	1	0	0
	2030	88	1004.7	995.0	..	31.3	25.0	21.9	26.3	58	..	4.5	..	19.4	0	16	15	00	0	1	13	6	2	8	1	0	0
	2330	88	1005.9	996.1	..	29.6	24.5	22.1	26.6	64	..	4.7	..	11.0	0	5	25	02	0	2	5	6	4	11	0	1	0
VEDARANNIYAM	0830	4	1006.8	1006.3	..	31.3	27.0	25.3	32.2	72	..	5.0	..	5.5	0	0	31	00	0	1	7	9	14	0	0	0	0
	1730	4	1003.7	1003.2	..	31.5	26.9	25.0	31.7	69	..	5.0	..	5.0	0	0	31	00	0	0	8	10	13	0	0	0	0
ATIRAMPATTINAM	0830	6	1006.6	1005.9	..	30.6	26.4	24.6	30.9	70	..	4.3	..	7.1	0	0	31	00	3	0	2	13	8	2	3	0	0
	1730	6	1003.3	1002.6	..	31.6	27.2	25.4	32.4	70	..	3.5	..	12.1	0	5	26	00	0	0	5	18	8	0	0	0	0
MADURAI	0830	133	1007.4	992.6	+0.2	29.9	24.6	21.3	26.9	65	+ 4	5.2	+0.3	7.0	0	0	31	05	4	2	2	1	1	5	11	0	0
MADURAI AERODROME	0530	131	1005.0	990.2	..	26.9	24.0	22.5	27.3	78	..	4.2	..	6.8	0	0	22	05	2	0	0	3	2	2	8	9	0
	0830	131	1006.7	992.1	-0.4	30.3	24.8	22.2	26.7	62	- 3	5.0	-0.3	10.8	0	1	26	07	2	2	0	1	1	4	10	4	0
	1130	131	1005.8	991.4	..	34.6	25.1	20.4	24.0	44	..	5.2	..	11.7	0	3	27	07	2	1	2	0	9	3	5	1	1
	1730	131	1002.6	988.2	-0.7	34.3	24.5	19.5	22.7	44	- 6	6.4	+0.1	17.9	0	14	16	01	3	4	4	6	5	4	3	1	0
TONDI	0830	5	1007.0	1006.4	-0.5	30.3	26.0	24.2	30.2	70	- 2	3.5	-2.4	7.2	0	0	25	00	1	2	2	9	11	0	1	6	0
	1730	5	1003.6	1003.0	-0.5	30.9	26.9	25.3	32.2	72	- 3	4.2	-1.6	28.2	0	29	2	00	0	0	12	18	1	0	0	0	0
PAMBAN	0830	11	1006.7	1005.4	-0.9	29.7	26.9	28.6	39.1	93	+16	5.0	+1.4	17.9	0	17	14	00	0	0	2	15	10	3	1	0	0
	1730	11	1003.8	1002.5	-0.8	30.4	29.2	28.7	39.6	91	+13	4.9	+0.9	22.6	0	21	10	01	0	0	3	18	9	0	0	0	0
TUTICORIN	0830	4	1007.2	1006.8	-0.3	30.3	25.2	22.9	26.3	65	- 1	3.9	+0.0	9.9	0	2	29	03	3	1	0	2	11	8	3	0	0
	1730	4	1003.7	1003.3	-0.4	32.5	26.7	24.2	30.2	63	+ 2	4.4	+0.7	13.7	0	8	23	00	0	0	3	19	4	5	0	0	0
PALAYANKOTTAI	0830	51	1007.4	1001.7	+0.0	30.5	24.8	22.3	26.6	63	+ 3	4.8	+0.5	5.8	0	1	28	16	0	0	0	3	1	6	3	2	0
	1730	51	1003.5	997.1	-1.2	32.9	25.2	21.7	25.6	54	+ 1	6.0	+0.5	12.0	0	5	25	07	0	2	2	3	3	8	5	1	0
KANNIYAKUMARI	0830	37	1007.5	1003.4	..	28.5	25.4	24.1	30.0	77	..	6.2	..	15.4	0	9	21	00	2	1	1	0	3	21	2	1	0
	1730	37	1005.0	1000.9	..	29.3	25.9	24.5	30.7	76	..	6.5	..	16.9	0	15	16	00	0	0	0	1	9	21	0	0	0
PUNDICHERRY§	0830	6	(R)																								
	1730	6	(R)																								
COASTAL MYSORE																											
KARWAR	0830	4	1008.2	1007.7	+0.3	28.8	26.3	25.3	32.2	82	+ 2	5.0	+0.0	3.2	0	0	31	02	6	12	1	0	0	1	9	0	0
	1730	4	1005.4	1004.9	+0.1	30.9	26.8	25.1	31.9	72	- 3	4.3	-0.6	11.2	0	2	29	01	0	0	1	0	0	10	18	0	1
HONAVAR	0830	26	1008.1	1005.2	-0.6	28.1	25.3	24.0	30.0	78	- 1	4.8	-1.0	3.7	0	0	29	02	1	15	1	2	0	5	3	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY ,1967(VAISAKHA - JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	No. of observations Wind Speed (Km. p. h.) 20 to 61	No. of observations Wind Speed (Km. p. h.) 1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL MYSORE (CONTD.)																											
HONAVAR. (Contd.)	1730	26	1005.3	1002.5	-0.5	30.9	26.4	24.5	30.7	69	- 3	5.3	+0.0	7.4	0	0	31	00	0	1	0	2	2	22	4	0	0
MANGALORE(BAJPE)	0230	102	1006.0	994.5	..	27.0	25.0	24.1	30.0	85	..	6.0	..	2.7	0	0	10	01	0	1	1	0	0	3	4	21	0
	0530	102	1006.3	994.8	..	26.5	24.8	24.0	30.0	86	..	5.7	..	2.9	0	1	9	00	2	4	0	1	0	2	1	21	0
	0830	102	1008.1	996.7	-0.1	28.7	25.6	24.2	30.4	77	- 4	5.5	-0.2	5.0	0	0	20	04	3	7	3	0	0	0	2	11	1
	1130	102	1007.7	996.5	..	31.6	25.9	23.3	28.6	62	..	5.5	..	16.6	0	7	24	02	0	0	1	0	1	16	11	0	0
	1430	102	1005.6	994.3	..	32.1	25.9	23.1	28.3	60	..	5.4	..	25.0	0	28	3	00	1	1	0	0	0	19	10	0	0
	1730	102	1004.9	993.6	-0.4	30.2	25.8	23.8	29.7	69	- 5	5.9	-0.3	20.1	0	14	17	01	0	0	0	0	0	11	19	0	0
	2030	102	1006.9	995.5	..	28.5	25.6	24.3	30.4	79	..	5.5	..	11.0	0	0	29	01	0	0	1	0	0	5	22	2	0
	2330	102	1007.6	996.2	..	27.7	25.3	24.3	30.2	82	..	5.6	..	5.7	0	0	20	02	0	3	0	0	0	4	11	11	0
MANGALORE	0830	22	1008.1	1005.5	-0.8	29.1	25.7	24.2	30.2	75	- 2	5.1	-0.7	4.5	0	0	31	06	6	7	4	2	0	0	6	0	0
	1730	22	1005.3	1002.8	-0.5	30.7	26.4	24.5	30.7	70	- 2	5.3	+0.1	9.1	0	0	31	04	0	0	0	0	5	7	9	0	6
INTERIOR MYSORE, NORTH																											
BIDAR	0830	664	1004.8	933.5	+0.2	30.3	21.6	17.0	19.0	48	- 3	1.7	-1.8	17.0	0	13	17	03	0	0	0	5	7	4	11	1	0
	1730	664	998.4	929.1	+0.0	36.9	22.4	13.4	16.9	28	- 2	4.5	-0.5	15.9	0	7	24	01	4	3	3	1	1	9	9	0	0
GULBARGA	0830	458	1005.6	955.7	-0.9	30.0	21.0	15.3	18.3	46	- 1	3.2	+0.0	11.5	0	4	25	05	1	4	1	0	2	8	8	2	0
	1730	458	999.1	950.9	+0.1	39.2	22.0	11.3	13.8	20	- 6	5.8	+1.0	9.5	0	3	24	01	4	4	3	0	2	7	6	4	0
BIJAPUR	0830	594	1006.6	941.9	+0.0	27.3	21.5	17.4	20.5	58	+ 0	3.5	+0.1	8.1	0	0	30	04	2	1	1	2	5	4	11	1	C
	1730	594	1002.1	936.6	-0.7	37.7	21.6	11.6	13.9	23	- 5	5.5	+0.8	5.3	0	0	31	05	2	2	4	2	1	3	12	0	0
RAICHUR	0830	400	1005.9	962.2	-0.4	30.2	23.1	19.2	22.4	53	- 7	3.4	+0.1	7.3	0	0	29	00	1	0	3	0	14	0	11	2	0
	1730	400	999.7	957.4	-0.1	38.3	24.1	15.4	18.4	28	- 5	4.1	-0.1	5.0	0	0	28	01	9	0	7	0	0	1	10	3	0
BELGAUM	0830	753	1008.4	926.4	+0.4	25.0	21.5	19.9	22.9	73	- 5	3.1	-0.1	3.2	0	0	20	01	0	2	0	1	1	12	2	11	1
	1730	753	1002.2	922.5	-0.5	31.4	24.1	20.8	24.7	55	- 3	4.1	+0.7	4.7	0	0	27	03	0	0	0	1	3	19	1	4	0
BELGAUM(SAMRA)	0530	747	1006.4	924.4	..	22.0	19.9	18.8	21.7	83	..	4.9	..	6.1	0	1	23	00	1	0	1	1	3	16	2	7	0
	0830	747	1007.2	926.1	+0.1	25.6	20.8	18.2	21.0	66	- 8	4.9	+0.4	8.8	0	1	26	03	0	1	2	2	1	15	3	4	0
	1130	747	1005.4	925.9	..	31.5	20.8	14.0	16.5	38	..	4.2	..	12.1	0	6	25	06	7	2	3	1	2	8	2	0	0
	1430	747	1002.3	923.6	..	34.1	21.2	13.1	15.7	31	..	4.6	..	10.7	0	5	25	06	1	1	1	1	3	10	7	1	0
	1730	747	1002.1	922.8	-0.2	31.4	22.1	16.9	19.7	45	-14	4.6	-0.3	17.5	0	15	16	01	1	1	0	0	1	25	2	0	0
	2030	747	1005.6	924.7	..	25.9	22.1	20.1	23.9	71	..	3.2	..	17.2	0	13	17	00	0	0	0	0	2	27	1	1	0
GADAG	0530	650	1006.0	934.5	..	23.2	22.1	21.7	25.6	91	..	4.8	..	9.6	0	0	30	00	0	0	3	0	11	16	0	1	0
	0830	650	1007.3	936.3	-0.3	25.9	23.1	21.8	26.3	79	+ 1	4.5	+0.3	7.1	0	0	30	02	0	0	0	0	11	4	13	1	0
	1130	650	1005.2	935.9	..	32.6	23.8	19.5	22.9	48	..	2.9	..	8.8	0	1	28	02	3	1	0	0	5	9	8	2	1
	1430	650	1001.7	933.3	..	35.9	23.7	17.5	20.2	36	..	4.4	..	8.6	0	0	31	02	1	2	0	0	2	10	11	0	3
	1730	650	1000.7	932.2	-0.2	35.3	23.5	17.4	20.2	35	-14	5.0	+0.2	6.3	0	1	29	03	5	1	1	0	4	3	13	1	0
	2030	650	1004.3	934.3	..	29.0	23.5	21.0	25.0	64	..	3.5	..	12.7	0	6	22	01	0	0	1	0	3	19	4	3	0
	2330	650	1006.7	935.6	..	25.4	23.1	22.1	26.6	83	..	4.3	..	13.8	0	4	27	01	0	1	1	0	8	18	2	0	0
INTERIOR MYSORE, SOUTH																											
BELLARY	0830	449	1007.2	957.9	+0.6	29.0	24.2	21.9	26.3	66	+ 8	2.1	-2.1	7.7	0	0	25	00	0	0	7	0	1	0	17	6	0
	1730	449	1001.1	953.4	+0.8	37.0	23.8	15.9	18.6	30	- 3	3.7	-0.9	9.0	0	0	30	00	3	1	8	0	1	1	16	1	0
CHITRADURGA	0830	733	1006.8	927.1	-0.5	25.0	21.8	20.2	23.8	75	+ 0	3.7	-1.2	8.4	0	0	30	00	0	2	0	2	4	20	2	1	0
	1730	733	1000.7	923.2	-0.6	33.9	21.8	14.9	17.1	35	- 4	3.2	-1.6	7.1	0	0	30	02	4	5	1	0	0	13	5	1	0
SHIMOGA	0830	571	1007.4	944.7	-0.4	25.5	22.5	21.0	25.0	76	- 2	6.3	+1.2	1.5	0	0	20	00	1	1	0	0	4	12	2	11	0
	1730	571	1002.2	941.0	-0.4	31.6	23.7	19.7	23.5	52	- 5	6.2	+1.2	2.5	0	0	27	01	1	1	1	2	7	9	5	4	0
AGUMBE	0830		..	..	..	23.7	22.3	21.4	25.9	84	..	.	..	4.3	0	0	27	00	5	3	1	0	15	2	1	4	0
BALEHONNUR	0830	890	..	..	..	23.7	21.8	21.0	24.7	85	- 3	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HASSAN	0830	960	1492.5	903.9	-0.6	22.8	20.8	19.8	23.1	84	+ 4	5.0	+0.4	5.5	0	0	29	01	0	2	2	0	1	22	1	2	0
	1730	960	1475.6	901.0	-0.3	29.3	21.9	17.9	20.8	54	-10	5.8	+0.0	5.5	0	0	26	03	0	0	1	0	1	20	1	5	0
BANGALORE	0230	921	1483.6	907.0	..	23.3	20.9	19.6	22.9	80	..	3.3	..	6.7	0	0	24	00	1	3	2	1	6	8	3	7	0
	0830	921	1502.7	908.7	+0.5	24.7	21.6	20.1	23.5	76	+ 1	5.2	+0.?	7.5	0	0	26	00	0	2	1	0	5	14	3	5	1
	1130	921	1512.1	908.6	..	29.9	22.1	18.1	20.9	51	..	3.9	..	9.0	0	0	31	01	4	1	3	1	6	6	9	0	0
	1430	921	1495.2	906.4	..	32.6	22.1	16.4	18.9	40	..	4.8	..	8.9	0	0	30	04	6	3	3	0	1	3	9	1	1
	1730	921	1484.5	905.5	+0.8	31.4	21.2	15.3	17.7	42	- 4	5.2	-0.5	7.2	0	0	27	04	5	4	1	0	4	1	8	4	0
	2030	921	1493.7	907.4	..	26.9	20.4	16.7	19.0	57	..	3.3	..	5.8	0	2	17	01	1	6	3	0	4	4	0	12	0
BANGALORE AERODROME	0530	897	1471.3	908.5	..	22.1	20.8	20.2	23.7	89	..	4.8	..	11.0	0	0	26	00	1	2	2	1	2	16	1	5	1
	0830	897	1492.5	910.2	-0.2	24.6	21.7	20.4	23.8	78	+ 3	5.4	+0.4	15.7	0	10	20	00	0	0	5	0	1	23	1	1	0
	1130	897	1498.2	909.9	..	29.2	22.1	18.4	21.6	54	..	4.4	..	15.3	0	9	22	00	2	3	4	1	2	10	9	0	0
	1730	897	1472.3	906.8	-0.2	31.3	21.0	14.9	17.3	41	- 8	5.2	-0.9	13.5	0	5	26	04	2	5	5	0	3	4	8	0	0
	2330	897	1486.5	909.6	..	24.9	21.1	19.1	22.4	72	..	3.9	..	13.0	0	6	21	00	2	1	6	1	9	8	0	4	0
MYSORE	0830	767	1007.7	924.2	-0.4	24.5	21.3	19.8	22.9	76	- 3	3.5	-1.4	10.8	0	1	30	01	3	1	1	3	7	10	5	0	0
	1730	767	1001.9	920.5	-0.7	31.2	21.3	15.7	18.1	43	- 8	4.0	-1.5	16.4	0	11	20	05	1	10	2	4	2	6	1	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY 1967 (VAISAKHA - JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or lit. in gen. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															42 or more	20 to 41	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KERALA																												
CALICUT	0530	5	1007.0	1006.4	..	26.8	25.3	24.6	31.1	88	..	5.6	..	3.0	0	1	13	00	1	6	2	0	1	2	2	17	0
	0830	5	1008.5	1007.9	-0.3	28.5	26.0	25.0	31.5	82	+ 1	5.5	-0.1	3.0	0	0	22	01	1	6	1	0	1	10	2	9	0
	1130	5	1008.5	1007.9	..	30.4	26.8	25.4	32.2	75	..	4.8	..	5.5	0	0	27	00	0	0	1	0	2	16	8	4	0
	1430	5	1006.7	1006.1	..	31.3	27.3	25.8	33.0	73	..	5.4	..	5.5	0	0	27	00	0	1	1	0	2	19	4	4	0
	1730	5	1005.8	1005.2	-0.2	30.0	26.9	25.4	33.0	77	+ 1	5.9	+0.2	5.9	0	0	28	01	1	0	1	0	2	20	3	3	0
	2330	5	1008.2	1007.6	..	28.0	26.1	25.3	32.2	85	..	5.1	..	4.4	0	0	21	01	1	3	2	0	0	7	7	10	0
PALGHAT	0830	97	1008.2	997.3	-0.3	28.0	25.5	24.2	30.5	79	- 2	5.7	+0.6	7.8	0	0	31	00	0	3	0	0	1	26	1	0	0
	1730	97	1004.7	993.9	-0.4	31.1	25.8	23.4	28.9	65	- 4	6.7	+0.9	8.5	0	0	31	00	0	0	0	0	3	28	0	0	0
FORT COCHIN	0830	3	1008.2	1007.9	-0.9	28.7	26.0	24.9	31.5	80	- 1	7.0	+0.7	5.5	0	0	20	01	3	5	3	0	1	4	3	11	0
	1730	3	1006.8	1005.5	-0.5	29.3	26.6	25.4	32.6	80	+ 2	6.8	+0.5	10.9	0	2	29	01	0	0	3	1	3	12	11	0	0
COCHIN (NAVAL AIR STATION)	0230	3	1006.9	1006.6	..	27.0	26.1	25.5	33.0	91	..	6.1	..	4.1	0	0	13	01	1	4	0	0	2	2	3	18	0
	0530	3	1006.9	1006.6	..	26.4	25.5	25.1	31.9	93	..	6.4	..	4.5	0	0	14	01	0	3	1	3	0	3	3	17	0
	0830	3	1008.5	1008.2	..	28.4	26.3	25.5	32.6	84	..	6.5	..	5.7	0	0	19	03	2	4	4	0	1	1	4	12	0
	1130	3	1008.5	1008.2	..	30.5	27.0	25.6	32.6	76	..	6.3	..	13.1	0	1	28	00	0	0	4	0	3	10	12	2	0
	1730	3	1005.8	1005.5	..	29.8	27.1	26.1	33.8	81	..	6.3	..	14.7	0	2	27	00	0	0	3	1	4	14	7	2	0
	2330	3	1008.5	1008.2	..	27.4	26.1	25.7	32.6	91	..	6.4	..	4.7	0	0	15	01	2	2	1	2	2	3	2	16	0
ALLEPPEY	0830	4	1008.3	1007.9	-0.3	28.4	26.3	25.4	32.6	84	+ 1	6.2	-0.3	8.3	0	2	28	03	12	5	2	0	1	2	5	1	0
	1730	4	1005.7	1005.3	-0.4	29.7	26.5	25.2	32.1	77	- 1	6.4	+0.0	20.5	0	22	9	01	1	0	0	0	1	10	18	0	0
PUNALUR	0830	34	1008.5	1004.7	+0.0	27.3	25.6	24.9	31.5	87	- 4	6.8	+1.4	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	34	1005.6	1001.8	-0.4	30.2	25.9	24.0	29.8	71	- 6	7.8	+1.6	4.0	0	0	22	00	0	0	1	2	6	8	5	9	0
TRIVANDRUM	0230	64	1006.5	999.3	..	26.1	25.0	24.6	30.7	91	..	5.5	..	2.8	0	0	12	02	2	0	0	0	0	2	6	19	0
	0530	64	1006.8	999.6	..	25.7	24.8	24.4	30.5	92	..	6.0	..	4.3	0	0	20	02	10	2	0	0	1	1	4	11	0
	0830	64	1008.4	1001.2	-0.6	27.4	25.5	24.7	31.1	86	+ 2	6.4	+1.0	5.3	0	0	28	10	4	0	2	0	2	0	10	3	0
	1130	64	1008.1	1000.9	..	29.8	26.1	24.6	30.7	74	..	6.5	..	8.9	0	0	29	03	2	0	1	0	3	9	11	2	0
	1430	64	1006.0	998.8	..	30.1	26.1	24.4	30.5	72	..	6.1	..	13.7	0	7	22	01	1	0	0	1	3	11	12	2	0
	1730	64	1005.8	998.5	-0.7	29.2	25.9	24.6	30.7	76	- 1	6.3	+0.3	12.6	0	5	26	02	1	1	0	1	1	11	14	0	0
	2030	64	1007.9	1000.6	..	27.4	25.6	24.9	31.3	86	..	5.5	..	5.8	0	0	27	03	1	1	1	0	3	3	15	4	0
	2330	64	1008.5	1001.3	..	26.6	25.4	24.9	31.5	90	..	5.6	..	5.5	0	0	23	07	1	0	1	1	2	1	10	8	0
TRIVANDRUM AERODROME	0830	8	1008.6	1007.7	-0.1	28.5	25.8	24.6	31.1	80	- 2	6.5	+0.6	14.6	0	10	18	17	3	0	1	0	0	1	6	3	0
ARABIAN SEA ISLANDS																												
AMINI	0530	4	1006.0	1005.6	..	28.4	26.4	25.5	32.8	84	..	5.7	..	23.6	0	17	13	06	0	0	1	0	0	9	14	1	0
	0830	4	1007.9	1007.5	-1.0	29.4	27.0	26.1	33.6	82	+ 7	5.8	+0.9	21.9	0	17	14	07	0	0	0	0	0	6	18	0	0
	1130	4	1008.1	1007.7	..	31.2	27.8	26.4	34.6	76	..	5.6	..	21.3	0	15	16	10	0	0	0	0	2	6	13	0	0
	1730	4	1005.3	1004.9	..	30.4	27.7	26.1	35.0	78	..	5.9	..	22.7	0	19	12	07	1	0	0	0	0	4	19	0	0
	2330	4	1007.6	1007.2	..	29.1	26.9	25.9	33.6	83	..	4.5	..	22.2	0	17	14	06	0	0	0	0	0	8	17	0	0
AGATTI	0830	4	1008.4	1007.9	..	29.1	26.4	25.2	32.2	81	..	6.4	..	11.7	0	6	24	05	1	0	1	0	0	7	16	1	0
	1730	4	1006.2	1005.8	..	29.5	26.7	25.2	32.6	76	..	6.3	..	13.5	0	6	24	05	1	0	0	0	0	9	15	1	0
ANDROTH	0830	5	1008.1	1007.1	..	29.3	26.2	25.0	31.5	78	..	6.2	..	3.7	0	0	22	01	0	0	0	0	0	0	13	9	8
	1730	5	1005.4	1004.9	..	30.2	26.8	25.3	32.4	76	..	6.1	..	5.4	0	0	29	01	0	0	0	0	0	1	14	2	13
MINICOY	0530	2	1007.1	1006.9	..	27.5	25.0	23.9	29.7	81	..	6.1	..	9.1	0	6	16	02	0	0	0	0	1	8	11	9	0
	0830	2	1008.9	1008.7	-0.5	28.7	25.5	24.2	30.2	77	+ 0	6.0	+0.5	9.7	0	3	25	02	0	0	0	0	1	7	18	3	0
	1130	2	1009.1	1008.9	..	30.2	26.2	24.5	30.7	72	..	6.2	..	11.0	0	2	29	05	0	0	0	0	0	7	19	0	0
	1430	2	1007.4	1007.2	..	30.3	26.3	24.5	30.9	72	..	6.1	..	13.3	0	3	28	02	1	0	0	0	0	8	20	0	0
	1730	2	1006.6	1006.4	-0.3	29.5	25.7	24.2	30.2	73	- 4	6.1	+0.1	10.8	0	2	29	03	1	0	0	0	0	7	20	0	0
	2030	2	1008.1	1007.9	..	28.4	25.2	23.8	29.5	77	..	5.3	..	10.8	0	2	27	06	0	0	0	0	0	10	13	2	0
	2330	2	1008.9	1008.7	..	28.0	25.2	24.0	29.7	79	..	4.7	..	11.5	0	6	20	01	0	0	0	0	0	9	16	5	0
HILL STATIONS (EXCLUDING KASHMIR)																												
DALHOUSIE	0830	1959	1410.5	797.9	+0.4	18.6	11.3	4.7	8.2	41	-18	3.1	+1.4	2.2	0	0	13	00	8	1	2	0	0	0	2	18	0
	1730	1959	1397.5	797.3	+0.0	21.5	13.1	6.5	8.0	39	-15	4.4	+2.2	3.5	0	0	13	00	9	1	1	0	0	1	1	18	0
DHARMASALA	0830	1211	1503.7	879.3	+0.1	25.6	14.6	4.4	8.4	27	-10	2.2	+0.0	2.1	0	0	25	03	10	3	3	2	3	0	1	6	0
	1730	1211	1491.4	877.7	-0.2	28.4	15.5	3.4	7.8	21	-10	3.3	+0.5	3.4	0	0	31	01	3	1	1	4	12	5	4	0	0
BHUNTAR	0830	1096	1475.5	888.8	..	17.1	12.5	8.5	11.1	58	..	1.5	..	2.3	0	0	17	08	3	3	2	0	0	0	1	14	0
	1130	1096	1469.6	887.3	..	24.5	15.3	7.6	10.4	37	..	2.9	..	5.4	0	0	29	03	1	2	4	16	1	0	2	2	0
	1730	1096	1454.7	885.5	..	26.4	15.3	5.6	9.1	31	..	3.2	..	11.9	0	6	25	08	2	1	2	4	4	2	8	0	0
SIMLA	0830	2202	1456.6	780.0	-0.5	18.6	9.4	0.8	5.7	28	- 6	1.4	-0.6	0.9	0	0	14	00	3	0	7	1	3	0	0	17	0
	1730	2202	1443.1	779.2	-0.2	20.2	10.3	0.1	6.1	27	- 8	2.4	-0.8	1.7	0	0	26	03	4	0	4	2	9	0	4	5	0
GHANGARIA (KANJALIA TOK)	0830		..	..	..	10.9	7.3	4.0	8.1	63	- 9	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BADRINATH	0830		(R)																								
JOSHIMATH	0830		..	..	..	18.7	16.0	13.5	15.5	77	+37	1.0	-0.8	8.9	0	0	31	00	4	25	0	0	0	0	1	0	1
	1730		..	..	..	22.5	19.0	16.0	18.2	74	+39	4.7	-0.5	8.5	0	1	30	02	8	11	2	1	1	1	3	0	2

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — - MAY 1967 (SAKHA - JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 32 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HILL STATIONS (EXCLUDING KASHMIR) (CONTD.)																											
MUSSOORIE	0830	2042	1449.9	793.9	-2.2	18.9	10.5	2.0	7.1	34	-12	1.9	-0.6	1.2	0	0	13	02	1	0	3	4	2	0	1	18	0
	1730	2042	1440.7	793.5	-1.4	21.0	11.2	1.3	6.7	29	-14	1.8	-1.9	3.6	0	0	29	09	3	0	2	6	4	0	5	2	0
MUKTESWAR (KUMAON)	0830	2311	3129.7	771.1	-0.3	17.8	8.9	-1.3	5.5	29	-14	1.0	-0.7	7.2	0	3	20	01	2	3	0	1	1	8	7	8	0
	1730	2311	3120.9	769.7	+0.4	20.5	10.9	1.1	6.6	30	-13	1.8	-1.1	20.4	0	16	15	00	1	1	0	0	2	15	12	0	0
NAINITAL	0830	1953	1452.9	802.9	+0.3	20.2	12.9	5.9	9.3	44	+ 1	0.9	-0.9	6.6	0	0	23	00	8	6	3	0	2	2	2	8	0
	1730	1953	1435.6	801.0	+0.1	20.8	13.3	7.1	10.1	44	+ 3	1.1	-0.7	9.0	0	0	31	05	1	1	1	1	1	18	3	0	0
KALIMPONG	0830	1209	1560.0	875.2	-1.5	20.1	18.1	16.9	19.3	81	- 1	3.1	-0.7	6.2	0	0	31	00	0	0	6	0	0	0	25	0	0
	1730	1209	1434.0	872.5	-1.4	21.4	19.2	18.0	20.6	81	- 2	3.6	-0.6	6.3	0	0	31	01	0	0	30	0	0	0	0	0	0
DARJEELING	0830	2128	1481.5	788.7	-1.0	16.7	14.8	13.6	15.6	83	+ 1	6.2	+0.3	1.0	0	0	6	00	0	0	0	0	4	2	0	25	0
	1730	2128	1455.2	786.1	-1.1	15.5	14.2	13.3	15.3	87	+ 6	6.6	+0.2	2.8	0	0	13	01	0	0	0	0	9	1	0	18	2
KOHIMA	0830	1406	(R)																								
	1730	1406	(R)																								
SHILLONG (C.S.O.)	0830	1598	1468.1	837.6	+0.8	20.1	16.3	13.7	15.7	68	+ 0	4.2	-1.3	6.5	0	1	28	01	0	2	2	4	8	6	6	2	0
	1730	1598	1441.2	835.0	+1.2	19.9	17.2	15.5	17.6	78	+ 3	4.4	-1.3	4.7	0	1	18	02	1	2	1	5	4	2	2	12	0
CHERRAPUNJI	0830	1313	1477.6	866.5	-0.2	19.6	17.9	16.8	19.1	82	- 2	5.5	+0.5	5.8	0	0	31	00	10	0	1	0	20	0	0	0	0
	1730	1313	1470.9	865.8	+1.9	19.8	18.2	16.8	19.1	86	- 2	4.1	-1.1	7.6	0	0	31	00	1	0	0	0	29	0	1	0	0
ABU	0830	1195	1496.7	879.9	+1.4	25.9	16.0	8.0	10.7	34	- 2	2.6	+1.9	3.0	0	0	20	02	0	0	0	0	4	11	3	11	0
	1730	1195	1473.8	977.2	+0.3	30.0	17.5	7.5	10.4	26	- 4	0.1	-1.0	12.7	0	3	27	02	0	0	0	1	10	13	4	1	0
AIJAL	0830		(R)																								
	1730		(R)																								
PACHMARHI	0830	1075	1488.8	890.8	-0.3	28.7	16.7	6.5	10.2	27	- 6	0.8	-2.2	4.2	0	0	30	02	3	1	1	3	3	5	12	1	0
	1730	1075	1465.9	887.8	-0.3	34.5	17.1	0.9	6.8	12	-11	1.8	-2.3	4.5	0	0	29	02	3	0	0	0	0	6	18	2	0
MAHABALESHWAR	0830	1382	1497.6	861.6	-0.2	22.8	16.7	12.0	14.6	56	- 3	2.3	-1.1	11.6	0	0	31	00	13	0	0	0	2	0	16	0	0
	1730	1382	1479.5	859.7	-0.1	26.9	21.0	17.8	20.5	59	- 8	2.2	-1.0	10.8	0	0	31	00	1	0	0	0	1	0	29	0	0
MERCARA	0830	1152	1493.3	884.4	-0.2	21.5	20.1	19.3	22.7	88	+ 0	4.9	+0.2	6.6	0	0	29	03	3	0	1	1	1	0	18	2	2
	1730	1152	1474.6	882.1	-0.5	24.4	21.6	19.9	23.8	77	- 3	5.7	+0.7	6.4	0	0	31	00	3	0	0	1	8	1	16	0	2
OOTACAMUND	0830	2249	1498.6	779.5	+0.3	16.3	13.3	11.5	13.4	73	- 3	2.9	-1.2	1.5	0	0	18	02	14	0	0	0	2	0	0	13	0
	1730	2249	1473.9	777.5	+0.0	18.0	15.2	13.6	15.5	76	+ 1	4.9	-0.7	1.3	0	0	12	00	9	1	0	1	1	0	0	19	0
COONOOR	0830		..	..	..	22.1	16.7	13.3	15.1	60	- 2	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
KODAIKANAL	0830	2343	3155.1	770.8	-0.2	17.5	12.9	9.1	11.4	62	- 5	5.4	+1.1	10.5	0	5	23	09	9	1	2	2	0	1	4	3	0
	1130	2343	3162.3	770.9	..	19.6	14.7	11.3	13.2	61	..	6.3	..	9.7	0	0	29	06	10	3	3	1	1	0	5	2	0
	1730	2343	3135.3	769.1	-0.2	16.7	14.6	13.2	15.1	81	- 1	7.0	+0.7	5.5	0	1	23	05	5	3	2	0	2	1	6	7	0
NEPAL																											
KATMANDU	0830	1324	1467.1	864.3	-1.4	21.5	16.2	12.6	14.7	57	- 6	2.0	-1.0	0.2	0	0	2	00	1	1	0	0	0	0	0	29	0
	1130	1324	1461.8	863.5	..	28.4	17.9	10.2	13.0	34	..	2.9	..	1.2	0	0	11	00	0	1	3	0	0	1	6	20	0
	1730	1324	1437.8	861.2	-1.6	26.0	17.9	12.4	14.7	44	-11	3.6	-0.8	3.6	0	0	25	02	0	0	0	2	0	8	12	6	1
SIKKIM																											
LACHEN	0830		(R)																								
HYDROMETEOROLOGICAL OBSERVATORIES DAMODAR CATCHMENT																											
TILAIYA	0830		..	..	..	32.7	22.0	14.3	16.3	39	..	1.2	..	6.8	0	0	28	01	0	10	2	0	0	12	3	3	0
	1730		..	..	..	36.5	21.9	10.5	12.7	26	..	2.1	..	8.5	0	2	28	01	0	10	1	0	0	12	6	1	0
HAZARIBAGH	0830	615	1001.9	936.0	..	31.2	24.3	21.1	25.0	57	..	0.6	..	8.1	0	1	28	00	0	1	1	4	6	7	10	2	0
	1730	615	998.0	932.8	..	33.6	24.5	20.2	23.7	48	..	1.6	..	9.3	0	0	30	04	0	2	4	1	1	8	10	1	0
KONAR	0830		..	..	..	32.3	22.3	16.4	18.6	40	..	0.7	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	34.5	23.5	17.3	19.7	38	..	0.4	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BOKARO	0830	242	1001.9	975.5	..	32.4	24.1	19.3	22.4	49	..	0.9	..	4.3	0	0	31	00	1	5	7	3	4	5	6	0	0
	1730	242	996.7	970.8	..	37.2	25.7	19.7	22.9	39	..	1.5	..	4.7	0	0	25	00	2	4	6	1	4	1	7	6	0
MAITHON	0830		..	..	..	32.5	23.8	18.9	21.8	47	..	2.0	..	3.2	0	0	30	01	0	0	9	7	11	0	2	1	0
	1730		..	..	..	35.6	23.4	15.9	18.1	35	..	2.3	..	4.2	0	0	28	00	3	0	12	2	10	0	1	3	0
RAMGARH	0830		..	..	..	31.5	22.3	16.4	18.6	44	..	1.3	..	7.6	0	0	31	03	1	4	1	2	8	10	2	0	0
	1730		..	..	..	37.1	22.7	13.1	15.1	28	..	1.5	..	10.3	0	2	29	04	0	1	2	2	4	15	3	0	0
PANCHET HILLS	0830		..	..	..	31.4	24.6	21.0	24.9	57	..	1.9	..	1.3	0	0	15	00	4	0	4	0	4	0	3	16	0
	1730		..	..	..	35.4	23.5	15.9	18.1	37	..	2.8	..	1.3	0	0	14	00	6	0	4	0	2	0	2	17	1
DURGAPUR	0830		..	..	..	31.0	25.3	22.6	27.4	62	..	2.3	..	6.8	0	2	27	03	0	1	3	17	2	2	1	2	0
	1730		..	..	..	35.4	24.7	18.9	21.8	41	..	2.4	..	10.1	0	5	23	01	1	3	7	13	0	2	1	3	0
MAHANADI CATCHMENT																											
GINABAHAR	0830		..	..	..	32.6	21.1	13.9	16.6	36	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	1003.3	985.9	..	33.4	24.1	19.3	22.4	43	..	0.5	..	4.8	0	0	27	01	1	2	1	5	10	5	2	4	0
	1130	159	1002.2	985.1	..	38.2	24.5	17.1	19.5	30	..	0.7	..	5.6	0	0	26	04	1	0	1	1	6	12	1	5	0
	1730	159	997.9	980.9	..	39.6	23.9	14.8	16.8	24	..	1.5	..	3.2	0	0	20	00	0	1	0	6	4	6	3	11	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — MAY (1967 AISAKHA - JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gram. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MAHANADI CATCHMENT																											
BHIMKUND	0830		..	..	..	29.3	24.9	22.9	27.9	69	..	4.0	..	1.8	0	0	16	00	1	0	7	1	4	0	3	15	0
	1730		..	..	..	34.7	24.3	18.9	21.8	41	..	4.2	..	2.9	0	0	19	00	1	0	6	2	3	0	2	12	0
SONEPUR	0830		..	..	..	..	..	..	..	..	..	.	..	3.8	0	0	18	00	0	10	0	0	0	8	0	13	0
KHIJRAHAN	0830		..	..	..	32.9	22.0	15.5	17.6	38	..	1.3	..	8.5	0	4	26	01	1	0	6	6	9	5	2	1	0
	1730		..	..	..	38.5	23.0	12.4	15.5	24	..	2.1	..	9.9	0	3	28	03	2	1	3	2	12	3	5	0	0
NARMADA CATCHMENT																											
BAGRA TAWA	0830		..	..	..	33.5	19.8	8.7	11.9	24	..	0.6	..	11.8	0	0	31	00	2	1	1	2	13	11	1	0	0
	1730		..	..	..	40.7	21.0	4.8	8.8	12	..	0.9	..	11.7	0	0	31	02	1	1	0	2	5	9	11	0	0
PUNASA	0830		..	..	..	33.1	..	..	..	..	..	.	..	5.6	0	0	29	00	0	0	0	0	12	1	16	2	0
	1730		..	..	..	39.7	..	..	..	..	..	.	..	5.0	0	0	30	00	0	0	0	0	15	1	14	1	0
THIKRI	0830		..	..	..	33.0	23.1	17.4	20.1	41	..	1.1	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																											
DAKOI	0830		..	..	..	30.1	21.5	15.5	18.5	45	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	40.2	21.4	6.7	10.1	14	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GANDAK CATCHMENT																											
JAMOSOM	0830	..	..	..	..	17.3	9.9	3.6	8.1	41	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	15.4	9.8	5.3	9.1	53	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	0830	..	..	..	..	24.2	18.3	14.6	16.8	56	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	26.7	19.4	15.0	17.4	51	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830	..	..	..	..	21.8	14.1	8.3	11.3	43	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	23.2	16.0	11.5	14.2	51	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
POKHARA	0830	..	..	..	..	24.7	18.8	15.3	17.6	57	..	1.3	..	0.2	0	0	2	00	0	1	1	0	0	0	0	29	0
	1130	..	..	..	..	28.0	19.7	14.4	16.9	45	..	1.9	..	3.4	0	0	24	00	0	4	12	7	1	0	0	7	0
	1730	..	..	..	..	27.1	19.3	14.3	16.8	49	..	4.2	..	2.5	0	0	22	06	3	2	6	1	2	0	2	9	0
GORKHA	0830	..	..	..	..	22.8	18.2	15.3	17.7	64	..	1.5	..	..	.	..	..	00	7	6	8	1	10	3	0	2	0
	1130	..	..	..	..	26.2	19.5	15.6	17.9	53	..	1.9	..	..	.	..	..	00	1	0	4	2	19	5	0	0	0
	1730	..	..	..	..	26.4	19.2	14.7	17.1	50	..	3.0	..	..	.	..	..	00	2	1	3	1	16	3	1	2	0
NUWAKOT	0830	..	..	..	..	24.6	18.4	14.4	16.8	55	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	28.1	18.6	11.9	14.8	39	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT (TRANS HIMALAYAN REGION)																											
DAILEKH	0830	1304	..	..	..	23.5	15.7	9.5	12.3	43	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1304	..	..	..	26.3	18.6	13.4	15.9	48	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT																											
SALLYANA	0830	1457	..	..	..	25.2	16.6	9.9	12.9	40	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1457	..	..	..	25.9	15.8	7.0	10.8	32	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BUTWAL	0830	1457	..	..	..	30.8	22.0	16.5	19.5	44	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1457	..	..	..	35.9	22.7	13.5	17.1	29	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BAGHMATI CATCHMENT																											
KATMANDU	0830	1324	Data included under Nepal																								
	1130	1324																									
	1730	1324																									
KOSI CATCHMENT																											
CHAUTARA	0830	..	..	..	..	21.3	16.5	13.5	15.7	62	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	24.6	16.3	10.8	13.4	45	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
WALUNGCHUNG GOLA	0830	..	..	..	..	10.7	7.5	4.5	8.7	67	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	9.3	7.9	6.7	9.9	86	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHOK	0830	..	..	..	..	20.7	17.1	14.7	16.9	69	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	21.3	17.2	14.6	16.8	67	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BHOJPUR	0830	..	..	..	..	20.2	18.8	14.5	16.9	71	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	19.5	16.3	14.2	16.6	73	..		..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLEJUNG	0830	..	..	..	..	18.7	15.7	13.7	15.9	74	..	3.6	..	1.6	0	0	15	05	2	0	0	0	0	1	6	16	1
	1130	..	..	..	..	21.3	16.6	13.8	16.1	64	..	4.7	..	5.5	0	0	29	01	0	1	2	5	4	7	7	2	2
	1730	..	..	..	..	19.2	16.0	13.5	15.9	72	..	5.7	..	5.9	0	0	17	01	0	1	5	10	0	0	0	14	0
OKHALDHUNGA	0830	..	..	..	..	19.4	15.5	12.8	15.1	68	..	3.0	..	2.1	0	0	14	00	0	0	4	4	1	4	1	17	0
	1130	..	..	..	..	22.5	16.6	12.9	15.2	56	..	2.6	..	3.9	0	0	22	00	0	0	0	6	6	9	0	9	1
	1730	..	..	..	..	20.0	15.5	12.3	14.9	64	..	4.2	..	8.4	0	1	29	00	0	0	1	2	7	19	1	1	0
CHAINPUR	0830	..	..	..	..	21.7	18.5	16.7	19.2	74	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	..	..	..	..	22.6	19.6	18.0	20.9	76	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ANGBUNG	0830	..	..	..	..	22.9	18.9	16.3	19.1	68	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — MAY 1967 (ASARHA - JYAISTHA, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gms. of normal standard isobaric level	At station level	Departure from normal	Dry bulb	Wet bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KOSI CATCHMENT (CONTD.)																											
ANGBUNG (Contd.)	1730	..	..	..	..	23.3	18.4	15.3	18.0	63	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BARAHAKSHETRA	0830	146	1003.5	988.2	..	28.4	22.9	20.0	23.6	61	..	2.2	..	2.1	0	0	30	02	6	2	0	0	3	7	6	1	0
	1130	146	1003.3	987.2	..	31.6	24.5	21.0	25.1	54	..	3.0	..	4.6	0	0	31	00	1	0	0	0	9	19	2	0	0
	1730	146	999.9	983.9	..	31.2	24.5	21.1	25.3	57	..	3.6	..	2.3	0	0	26	01	3	2	1	1	7	9	2	5	0
TISTA CATCHMENT																											
GANGTOK	0830	1756	1466.7	816.8	..	17.1	15.1	13.9	15.9	82	..	5.3	..	1.3	0	0	8	04	3	0	0	1	0	0	0	23	0
	1130	1756	1458.2	816.2	..	20.5	17.3	15.5	17.6	73	..	5.5	..	5.1	0	1	24	00	0	0	0	8	13	3	1	6	0
	1730	1756	1436.9	813.9	..	17.9	16.0	14.9	16.9	83	..	7.2	..	4.2	0	2	15	04	1	0	3	8	0	1	0	14	0
GEZING	0830	..	..	..	..	19.0	17.3	16.4	18.6	85	..	.	..	..	.	..	..	..	..	..	..	..	..	.	..	..	..
	1730	..	..	..	..	19.7	17.6	16.4	18.6	82	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

MONTHLY MEANS OF UPPER WINDS

During the month, observations of velocity and direction of upper winds were made at 55 stations in India. Out of these, at 39 stations all the observations were taken by means of pilot balloons and at 16 stations some observations were made by means of pilot balloons while the other observations by the radiowind method. In the case of Bangalore, the observations were taken by following radiosonde balloon by means of an optical theodolite. Particulars of these stations, their co-ordinates and the approximate times of the regular pilot balloon and rawin ascents at each station are given in the table overleaf. All radiowind ascents have been indicated by means of an asterisk (*) against the scheduled hours.

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

Data upto 9.0 Km. above mean sea level are given under Table IV and data above 9.0 Km. above mean sea level under Table V.

In Tables IV and V :-

N - represents the number of observations;

S - represents the mean wind speed in metres per second irrespective of direction;

V - represents the resultant mean velocity in metres per second;

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

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

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

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS.

S. No.	Station	Latitude	Longitude	Height of anemometer head a.m.s.l. in metres	Date of opening	Approximate times of flight (I.S.T.			
		° ' N	° ' E						
1.	Agartala	23 53	91 15	17	28th Nov. 1951	0530	1130	1730	2330
2.	Ahmadabad	23 04	72 38	61	19th May. 1928	0530*	1130	1730*	2330
3.	Allahabad/Bamhrauli	25 27	81 44	103	28th Feb. 1930	0530		1730	2330
4.	Ambala	30 23	76 48	229	1st Apr. 1941	0530	1130	1730	2330
5.	Amini	11 07	72 44	14	15th May. 1965	0530		1730	2330
6.	Anantapur	14 41	77 37	365	12th Feb. 1946	0530		1730	2330
7.	Asansol	23 41	86 59	135	29th May. 1942	0530	1130	1730	2330
8.	Aurangabad/Chikalthan	19 51	75 24	583	7th Oct. 1951	0530		1730	2330
9.	Bahraich	27 34	81 36	134	1st Oct. 1961	0530	1130	1730	
10.	Bangalore	12 58	77 35	936	19th May. 1915	0530●	1130	1730●	2330
11.	Bareilly	28 22	79 24	181	12th Jan. 1943	0530		1730	
12.	Begampet	17 27	78 28	543	1st Sep. 1929	0530*	1130	1730*	2330
13.	Bhagalpur	25 14	86 57	61	19th May. 1950	0530		1730	
14.	Bhopal/Bairagarh	23 17	77 21	532	26th Feb. 1943	0530		1730	2330
15.	Bhubaneshwar	20 15	85 50	54	5th Dec. 1942	0530	1130	1730	2330
16.	Bhuj/Rudramata	23 15	69 48	90	14th Sep. 1937	0530		1730	2330
17.	Bikaner	28 00	73 18	229	18th Oct. 1946	0530		1730	2330
18.	Bombay/Santa Cruz	19 07	72 51	27	14th May. 1933	0530*	1130	1730*	2330
19.	Calcutta/Dum Dum	22 39	88 27	13	14th May. 1921	0530*	1130	1730*	2330
20.	Cochin/Willingdon +	09 56	76 14	13	16th Mar. 1942	0530		1730	2330
21.	Dehra Dun	30 19	78 03	692	1st Oct. 1958	0530		1730	
22.	Dibrugarh/Mohanbari	27 29	95 01	112	1st Jun. 194[illegible]	0530	1130	1730	2330
23.	Gadag	15 25	75 38	650	3rd May. 1943	0530		1730	2330
24.	Gangtok	27 20	88 16	1764	1st May. 1963	0530		1730	
25.	Gauhati	26 05	91 43	55	12th Mar. 1955	0530*	1130	1730*	2330
26.	Gaya	24 45	84 57	119	19th Mar. 1937	0530	1130	1730	2330
27.	Goa/Dabolim	15 23	73 49	228	Jul. 1965	0530		1730	2330
28.	Gopalpur	19 16	84 53	24	15th Feb. 1946	0530		1730	2330
29.	Gorakhpur	26 45	83 22	83	5th Jan. 1943	0530		1730	
30.	Gwalior	26 14	78 15	208	7th May. 1938	0530	1130	1730	2330
31.	Imphal/Tulihal	24 46	93 54	782	8th Mar. 1952	0530	1130	1730	2330
32.	Jabalpur	23 10	79 57	402	30th Jul. 1928	0530		1730	2330
33.	Jagdalpur	19 05	82 02	562	25th Mar. 1948	0530		1730	2330
34.	Jaipur/Sanganer	26 49	75 48	403	6th Jun. 1953	0530		1730	2330
35.	Jamshedpur	22 49	86 11	144	23rd Jul. 1942	0530		1730	
36.	Jharsuguda	21 55	84 05	240	1st May. 1944	0530		1730	2330
37.	Jodhpur	26 18	73 01	229	15th Oct. 1934	0530*	1130	1730*	2330
38.	Lucknow/Amausi	26 45	80 53	133	20th Nov. 1950	0530*	1130	1730*	2330
39.	Madras/Minambakkam	13 00	80 11	29	8th Apr. 1926	0530*	1130	1730*	2330
40.	Mangalore/Bajpe	12 55	74 53	104	25th May. 1959	0530		1730	2330
41.	Minicoy	08 18	73 00	15	14th Apr. 1941	0530	1130	1730*	2330
42.	Nagpur/Sonegaon	21 06	79 03	316	23rd Apr. 1943	0530*	1130	1730*	2330
43.	New Delhi/Safdarjung	28 35	77 12	227	20th Oct. 1936	0530*	1130	1730*	2330
44.	Poona	18 32	73 51	593	5th Jan. 1925	0530		1730	2330
45.	Port Blair	11 40	92 43	95	29th Oct. 1945	0530*	1130	1730*	2330
46.	Raipur	21 14	81 39	308	15th Jul. 1944	0530		1730	2330
47.	Raxaul	26 59	84 51	83	28th Oct. 1957	0530		1730	
48.	Srinagar	34 05	74 48	1595	1st Aug. 1962	0530*		1730*	
49.	Tiruchchirappalli	10 46	78 43	96	22nd Jun. 1936	0530		1730	2330
50.	Trivandrum	08 29	76 57	73	8th Dec. 1928	0530*	1130	1730*	2330
51.	Udaipur	24 35	73 42	587	24th Jun. 1947	0530		1730	2330
52.	Vengurla	15 52	73 38	8	22nd Nov. 1941	0530		1730	2330
53.	Veraval	20 54	70 22	17	13th Oct. 1941	0530		1730	2330
54.	Vijaywada/Gannavaram	16 32	80 48	32	8th Apr. 1942	0530		1730	2330
55.	Vishakhapatnam	17 43	83 14	10	24th Sep. 1928	0530*	1130	1730*	2330

* Radio wind ascents.

● Radiosonde ascents followed by optical theodolite.

\+ Naval Meteorological Office.

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TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

MAY 1967.(VAISAKHA 11 - JYAISTHA 10,1889 SAKA)

STATION	AGARTALA																AHMADABAD							
TIME IN I.S.T.	0530				1130				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.0	01.5	143	31	03.0	02.1	163	31	02.0	01.1	163	31	02.3	01.8	165	31	02.1	01.7	273	31	02.5	01.8	281
.15 A.G.L.	30	06.7	05.2	160	31	06.1	04.3	163	28	06.0	04.4	170	30	07.0	05.6	178	29	08.3	06.8	289	31	04.0	02.8	279
.3A.M.S.L.	30	08.1	06.1	173	31	06.0	04.4	163	28	06.4	05.0	177	30	08.1	06.7	185	29	08.4	08.3	290	31	04.0	02.9	274
.6 ,,	29	08.5	06.7	187	31	06.3	04.6	167	28	07.3	05.5	181	30	08.4	06.9	194	29	09.5	08.1	302	31	04.2	03.3	281
.9 ,,	29	08.1	06.6	202	31	07.1	05.4	187	28	07.5	05.6	194	29	06.7	05.2	195	29	08.6	07.2	301	31	05.2	04.3	292
1.5 ,,	29	07.5	05.5	228	26	07.1	04.7	226	28	07.0	05.0	236	29	06.0	04.1	229	29	07.8	06.3	294	31	06.2	05.3	287
2.1 ,,	24	07.3	05.3	260	16	06.5	03.5	269	25	07.0	05.2	282	27	05.9	04.1	265	30	07.2	05.5	283	31	06.4	05.4	284
3.0 ,,	18	08.9	06.8	285	06	07.5	04.0	310	23	12.5	07.1	291	23	06.6	04.9	289	30	07.6	06.8	276	31	06.5	05.4	272
3.6 ,,	11	07.5	05.0	311					21	08.6	07.3	290	03	06.3	06.3	290	24	08.2	06.9	270	31	07.4	05.7	281
4.5 ,,	10	07.3	04.0	300					14	08.3	07.3	290					24	09.0	06.4	284	31	09.0	06.3	284
5.4 ,,	08	07.4	03.9	285					13	07.7	06.4	284					21	09.7	07.7	292	31	10.0	07.5	284
6.0 ,,	07	08.1	04.6	267					13	08.4	06.2	263					21	10.9	08.7	285	31	11.6	09.0	283
7.2 ,,	01	10.0	10.0	265					12	11.7	10.0	249					21	14.5	11.9	289	27	13.9	11.8	288
9.0 ,,									06	07.0	05.2	239					21	17.2	14.3	279	16	16.0	13.7	279

STATION	AHMADABAD								ALLAHABAD/BAMHRAULI								AMBALA			
TIME IN I.S.T.	1730*				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	03.4	02.8	282	31	03.4	02.3	240	31	00.9	00.4	336	31	02.3	01.1	314	31	00.6	00.2	045	31	01.2	00.7	327
.15 A.G.L.	31	06.9	06.1	280	31	08.6	06.5	259	31	06.7	01.8	003	31	06.6	04.6	318	31	06.9	03.6	006	31	06.8	03.9	330
.3A.M.S.L.	31	06.9	06.0	280	31	09.2	07.1	260	31	07.5	02.3	003	31	06.6	04.2	332	31	07.3	03.8	005	31	03.5	01.9	347
.6 ,,	31	06.9	06.2	277	31	09.5	08.0	273	30	08.1	03.0	357	31	06.7	04.7	319	31	08.0	04.5	348	31	07.0	05.3	332
.9 ,,	31	07.0	06.4	278	31	09.0	07.8	280	30	08.2	03.3	340	31	07.1	05.2	316	31	07.5	04.6	332	30	07.0	05.3	320
1.5 ,,	31	07.1	06.5	281	31	07.7	06.9	287	29	08.0	05.8	318	31	07.9	06.6	300	30	07.6	06.1	311	30	07.0	05.4	313
2.1 ,,	31	06.7	06.1	282	31	06.5	05.7	289	28	09.1	07.6	307	29	07.8	06.7	294	24	08.2	07.4	297	30	08.0	05.7	310
3.0 ,,	31	07.2	06.5	278	31	07.5	05.6	289	23	13.0	12.0	300	24	09.2	08.5	283	16	09.1	08.0	282	25	09.1	07.1	300
3.6 ,,	31	07.4	06.5	281	08	05.6	03.8	337	19	13.7	12.8	294	22	11.2	10.5	277	05	08.8	08.7	265	23	09.3	08.0	296
4.5 ,,	31	08.3	06.0	294	02	08.0	07.7	027	15	14.0	13.3	288	17	15.2	12.2	277					20	11.9	10.3	294
5.4 ,,	30	08.9	06.4	293	01	09.0	09.0	020	13	15.2	14.5	287	11	15.7	15.2	275					13	14.4	13.7	286
6.0 ,,	29	10.0	07.8	281	01	08.0	08.0	015	10	16.2	15.3	289	05	15.6	15.3	285					12	15.1	14.3	284
7.2 ,,	29	11.9	09.0	282					03	17.3	17.3	284	01	16.0	16.0	265					03	19.7	19.0	281
9.0 ,,	29	15.4	13.3	280																				

STATION	AMBALA												AMINI											
TIME IN I.S.T.	1130				1730				2330				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.0	00.4	352	31	02.1	01.5	320	31	01.6	00.9	324	31	05.9	04.8	311	31	05.1	04.4	319	31	06.4	05.7	307
.15 A.G.L.	31	06.0	01.1	318	31	06.9	04.9	308	31	09.5	06.0	338	29	05.8	04.9	307	29	05.1	04.7	319	30	05.6	05.2	306
.3A.M.S.L.	31	03.5	00.8	353	31	03.8	02.7	306	31	04.5	02.5	333	29	06.5	05.3	305	29	05.6	05.0	320	30	05.8	05.4	305
.6 ,,	31	06.5	01.2	343	31	08.0	05.6	306	31	08.8	06.0	337	29	07.2	05.7	304	29	06.2	05.7	322	30	06.4	06.0	306
.9 ,,	31	07.1	02.1	327	31	08.0	05.9	306	31	08.0	05.9	328	29	06.7	04.9	305	29	06.0	05.2	321	30	06.2	05.8	310
1.5 ,,	29	07.3	05.0	317	31	07.5	05.9	305	31	07.5	05.8	320	22	05.8	03.5	338	25	04.7	03.3	351	30	05.0	03.9	347
2.1 ,,	28	08.3	05.9	315	30	07.0	05.8	302	28	07.5	06.2	305	18	04.9	03.6	015	23	04.2	03.6	037	28	05.5	04.5	035
3.0 ,,	26	08.8	06.9	309	27	07.1	06.4	298	19	07.0	05.6	303	13	05.7	05.1	069	22	06.8	05.9	075	26	06.5	05.5	061
3.6 ,,	24	09.6	07.5	306	21	07.8	06.6	297					11	07.0	06.4	078	16	08.1	07.7	085	19	09.0	07.9	074
4.5 ,,	19	09.4	07.9	300	16	09.7	08.1	293					09	05.5	04.3	082	15	08.5	07.7	086	14	07.7	06.8	083
5.4 ,,	12	12.9	12.0	286	09	11.4	10.9	283					05	07.0	04.2	104	11	04.7	02.8	104	07	07.0	05.2	071
6.0 ,,	11	13.7	12.2	280	07	12.9	11.7	284					04	09.0	08.8	078	11	06.5	03.3	081	02	04.5	04.5	022
7.2 ,,	02	09.0	07.8	282									02	06.0	06.0	042	07	05.1	01.7	017				
9.0 ,,													01	05.0	05.0	090	06	03.7	01.5	313				

STATION	ANANTAPUR												ASANSOL											
TIME IN I.S.T.	0530				1730				2330				0530				1130				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.2	01.9	262	31	02.8	00.9	345	31	04.2	01.4	211	31	00.7	00.4	127	31	01.3	00.4	267	31	01.6	00.5	051
.15 A.G.L.	30	06.3	05.5	258	30	04.5	01.8	354	29	07.7	02.0	215	29	04.1	01.9	173	31	04.0	01.5	231	31	05.5	00.5	064
.3A.M.S.L.													29	04.2	01.9	179	31	04.2	01.7	235	31	05.6	00.6	067
.6 ,,	30	07.2	05.9	262	30	04.8	02.1	338	29	08.1	01.7	224	29	05.5	02.9	225	31	04.3	01.5	229	31	05.5	00.4	021
.9 ,,	30	08.1	05.3	280	30	04.6	02.1	345	29	07.3	01.2	228	28	06.3	03.0	260	30	04.7	02.6	235	31	05.1	00.6	307
1.5 ,,	30	08.5	03.9	330	30	04.3	02.9	355	27	04.7	00.5	050	26	07.5	05.4	296	28	07.6	05.4	273	31	05.1	03.2	289
2.1 ,,	29	07.2	04.1	006	30	05.4	02.9	001	26	04.2	02.7	012	25	08.6	07.4	298	21	07.7	06.3	292	30	06.7	06.1	292
3.0 ,,	26	06.3	05.0	033	26	06.7	04.5	026	23	06.1	05.0	032	19	09.7	09.1	293	12	09.5	08.8	287	29	09.3	08.7	297
3.6 ,,	26	08.1	06.9	038	22	06.7	04.4	037	14	07.7	06.4	039	18	11.7	10.8	287					27	10.9	10.3	299
4.5 ,,	23	07.7	05.5	044	19	06.9	04.7	044	05	07.8	07.7	029	16	12.2	11.6	300					22	15.1	14.4	298
5.4 ,,	19	07.1	04.7	058	18	06.7	04.6	045	02	06.5	06.5	033	15	11.7	10.2	300					19	14.4	13.9	301
6.0 ,,	17	07.5	05.0	056	17	06.5	04.7	063	01	07.0	07.0	030	14	12.2	10.5	295					17	13.7	12.8	299
7.2 ,,	15	08.2	05.6	055	06	05.7	02.1	054					11	12.9	09.7	284					14	15.0	12.3	290
9.0 ,,	04	06.0	02.9	349									05	13.2	11.2	256					07	18.6	14.9	242

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

MAY 1967.(VAISAKHA 11 - JYAISTHA 10,1889 SAKA)

STATION	ASANSOL	AURANGABAD/CHIKALTHAN			BAHRAICH	
TIME IN I.S.T.	2330	0530	1730	2330	0530	1130
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	31 01.9 01.4 167	31 04.4 04.0 276	31 05.3 04.0 317	31 05.5 04.4 301	31 02.7 00.8 279	31 03.6 00.1 155
.15 A.G.L.	31 06.4 03.7 163	31 06.9 05.7 291	31 05.4 04.2 318	31 07.6 05.9 311	31 08.8 00.4 245	29 06.7 00.8 133
.3A.M.S.L.	31 06.5 03.7 161				31 08.5 01.3 279	29 06.2 00.8 165
.6 ,,	31 08.3 04.3 181				31 10.1 01.6 297	29 05.9 00.9 171
.9 ,,	31 08.0 03.4 211	31 08.9 07.4 320	31 05.6 04.4 315	31 08.8 07.4 318	30 08.6 04.8 292	29 05.5 01.1 239
1.5 ,,	31 06.0 03.2 282	31 10.1 09.8 339	31 05.4 04.7 319	31 09.6 08.6 330	23 09.2 07.9 296	26 06.9 04.7 279
2.1 ,,	31 06.7 05.5 300	31 06.9 05.4 332	31 06.5 05.8 322	30 07.5 05.9 337	15 08.3 07.3 308	25 08.0 06.9 292
3.0 ,,	27 10.3 09.7 297	31 05.5 01.9 291	29 06.2 04.9 320	30 05.9 01.5 332	11 10.1 09.8 310	17 09.5 07.6 287
3.6 ,,	15 10.8 09.6 292	25 05.4 02.1 250	26 06.5 04.9 315	28 06.0 01.4 234	10 14.5 12.6 290	14 12.5 09.7 304
4.5 ,,	03 09.7 08.9 320	16 05.8 02.7 305	24 06.3 03.9 306	21 06.2 01.6 305	05 10.8 10.6 307	13 11.5 10.8 294
5.4 ,,		13 06.2 03.6 307	24 06.0 03.9 303	15 05.3 02.7 282	04 13.0 11.7 303	11 13.0 10.6 272
6.0 ,,		07 06.7 04.4 285	24 06.7 04.6 300	12 05.3 03.5 310	02 12.0 12.0 315	08 18.0 13.1 277
7.2 ,,		03 04.3 03.5 274	21 09.0 06.3 325	08 06.8 04.4 296		04 10.5 04.3 273
9.0 ,,		01 14.0 14.0 265	05 06.2 02.7 334			

STATION	BAHRAICH	BANGALORE				BARELLY
TIME IN I.S.T.	1730	0530	1130	1730	2330	0530
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	31 02.4 00.2 275	31 03.6 02.3 258	31 02.7 01.3 295	31 03.3 01.3 351	31 03.9 03.2 210	31 01.5 00.2 020
.15 A.G.L.	31 06.0 03.2 275	24 06.1 03.5 261	31 04.8 02.5 282	29 05.2 02.0 354	30 09.1 04.7 212	31 08.1 03.1 332
.3A.M.S.L.	31 06.0 02.8 280					31 07.6 02.6 323
.6 ,,	30 06.6 03.8 281					31 10.4 05.2 313
.9 ,,	29 06.7 04.3 280					31 10.5 06.1 306
1.5 ,,	24 07.2 06.0 281	24 06.7 01.4 310	31 05.2 02.0 316	29 05.2 02.3 009	30 09.7 03.6 231	31 10.2 09.0 303
2.1 ,,	17 09.4 08.7 295	24 07.7 04.2 039	29 05.5 02.8 022	29 05.8 03.2 017	29 07.2 02.3 029	30 10.5 09.6 304
3.0 ,,	11 08.9 08.6 291	22 09.4 07.5 044	24 07.4 05.5 055	27 05.9 05.2 039	27 08.5 06.6 037	24 09.7 09.2 298
3.6 ,,	10 09.8 09.6 290	21 10.0 07.4 051	22 08.1 06.4 057	25 06.7 06.0 058	26 09.3 07.7 043	21 10.5 10.0 296
4.5 ,,	09 12.1 11.9 290	19 09.1 07.1 061	19 07.3 04.7 068	25 07.7 06.3 067	17 09.7 06.1 047	14 12.0 11.5 285
5.4 ,,	08 13.3 13.0 289	15 09.1 06.6 081	15 05.2 01.1 017	23 07.0 03.9 067	07 10.6 06.4 049	12 15.1 14.5 289
6.0 ,,	06 14.2 13.8 290	15 09.1 05.2 083	14 05.9 02.2 042	21 07.4 04.6 062		09 16.8 15.8 288
7.2 ,,	02 09.0 08.2 302	14 08.0 04.8 081	12 04.2 02.3 062	17 06.5 04.2 053		05 14.2 14.0 282
9.0 ,,	01 18.0 18.0 230	09 04.4 03.1 089	11 04.2 02.3 082	15 04.3 02.9 083		02 14.5 14.4 298

STATION	BAREILLY	BRGAMPRT				BHAGALPUR
TIME IN I.S.T.	1730	0530*	1130	1730*	2330	0530
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	31 02.7 01.9 290	30 03.0 01.7 275	31 03.6 01.4 284	31 03.3 00.4 029	31 02.7 01.1 155	31 02.0 01.4 093
.15 A.G.L.	31 08.0 05.6 292	05 07.2 01.1 184	31 05.2 02.4 307	07 05.1 02.1 337	31 06.4 01.5 166	28 06.0 03.8 092
.3A.M.S.L.	31 07.4 03.8 288					28 06.2 03.0 110
.6 ,,	30 07.9 06.6 292	05 07.2 01.1 184	31 04.8 02.2 304	07 05.3 02.0 339	31 04.8 01.3 152	28 06.5 01.9 199
.9 ,,	29 09.0 06.6 285	05 08.0 02.1 204	31 05.0 02.1 305	07 05.9 01.8 006	31 06.9 01.0 159	28 06.5 03.0 254
1.5 ,,	26 08.7 07.9 290	28 07.9 02.6 305	31 05.5 02.2 321	26 05.5 01.8 002	31 05.4 00.7 036	27 07.4 05.2 281
2.1 ,,	22 09.0 08.5 292	30 07.2 02.3 341	31 05.8 02.0 337	29 05.3 02.2 003	31 04.9 02.0 018	21 10.0 08.3 292
3.0 ,,	18 09.5 08.7 292	30 06.7 04.1 013	31 05.8 02.1 016	30 05.4 02.6 360	31 04.9 02.6 346	13 13.5 10.0 307
3.6 ,,	14 11.3 10.6 300	30 06.0 03.7 021	31 06.6 03.1 034	30 06.6 04.0 355	06 05.5 03.1 028	11 12.0 11.7 307
4.5 ,,	10 13.2 11.7 300	30 08.3 05.1 028	31 07.3 03.5 032	31 06.5 03.9 351		05 10.6 09.9 300
5.4 ,,	10 17.0 16.1 301	30 07.1 04.3 033	30 07.9 04.3 029	31 06.4 03.7 345		02 11.5 11.5 291
6.0 ,,	09 18.8 16.6 291	30 06.6 02.9 035	27 07.7 03.4 016	31 06.3 02.9 338		
7.2 ,,	07 20.0 18.5 292	30 07.9 02.7 351	18 08.4 01.5 010	30 07.0 02.1 342		
9.0 ,,	02 18.5 16.4 303	30 06.5 02.7 284	04 09.7 05.3 235	29 07.1 03.7 270		

STATION	BHAGALPUR	BHOPAL/BAIRAGARH			BHUBANESHWAR	
TIME IN I.S.T.	1730	0530	1730	2330	0530	1130
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	31 02.3 01.2 049	31 03.5 02.5 292	31 04.3 03.5 298	31 04.5 03.5 298	31 05.2 04.2 214	31 05.0 04.2 211
.15 A.G.L.	31 06.6 03.8 038	31 08.8 06.1 304	31 06.2 05.0 295	31 10.3 08.0 305	20 07.2 05.9 233	31 06.3 05.1 206
.3A.M.S.L.	31 06.5 03.0 044				20 07.4 06.3 231	31 05.7 04.5 211
.6 ,,	31 06.5 02.4 043	31 07.4 05.3 298	31 05.8 04.6 299	31 08.9 06.7 305	20 08.6 07.1 238	31 06.3 04.5 216
.9 ,,	31 06.0 00.6 327	31 09.5 06.7 316	31 07.0 05.8 299	31 11.3 08.9 315	18 07.9 05.5 256	30 06.1 03.0 253
1.5 ,,	31 07.6 04.9 281	31 08.3 06.7 322	31 07.0 06.1 295	31 09.2 07.9 307	17 06.4 03.5 278	27 05.9 02.9 294
2.1 ,,	29 09.0 06.8 289	31 07.3 06.1 312	31 07.1 06.6 294	31 06.9 05.9 306	16 05.8 04.3 308	13 05.2 03.8 316
3.0 ,,	23 10.7 10.1 291	31 07.0 05.3 285	31 07.4 06.9 288	30 05.5 04.1 298	11 07.2 05.9 346	07 06.6 05.6 326
3.6 ,,	17 12.0 11.1 299	31 08.1 06.0 268	31 07.6 06.8 287	21 05.7 04.2 287	08 08.0 06.6 348	
4.5 ,,	12 12.0 11.8 296	31 09.5 07.7 260	29 07.9 06.9 288	01 03.0 03.0 213	03 07.9 06.1 028	
5.4 ,,	02 14.5 04.5 269	30 11.7 10.1 281	26 09.4 08.3 292		02 03.5 03.5 278	
6.0 ,,	02 03.0 02.6 235	30 12.9 11.1 285	24 09.8 07.8 295		02 06.5 05.7 275	
7.2 ,,	01 02.0 02.0 175	27 15.7 13.7 286	19 13.4 10.6 288		02 05.5 03.0 195	
9.0 ,,	01 06.0 05.9 201	20 17.1 14.8 286	09 12.0 10.3 274			

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

MAY 1967.(VAISAKHA 11 - JYAISTHA 10,1889 SAKA)

STATION	BHUBANESWAR								BHUJ/RUDRAMATA												BIKANER			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	06.4	05.4	180	31	05.6	05.1	209	31	03.2	02.9	254	31	05.8	05.0	266	31	04.8	04.1	257	31	01.3	00.8	218
.15 A.G.L.	31	08.3	07.2	184	26	08.9	08.8	206	30	07.1	06.2	273	31	07.3	06.7	266	31	08.1	07.8	260	31	08.6	03.1	173
.3A.M.S.L.	31	08.8	07.5	194	26	10.0	09.9	209	30	08.4	07.3	279	31	07.7	07.1	266	31	08.8	08.3	264	31	07.2	02.7	192
.6 ,,	31	07.9	05.8	194	25	10.4	10.0	209	30	09.8	08.9	286	31	07.8	07.3	267	31	08.4	07.7	273	31	09.3	02.8	197
.9 ,,	30	05.5	03.4	206	20	08.1	06.8	213	30	09.2	08.5	287	31	07.4	07.0	272	31	08.4	07.6	283	31	07.8	03.6	264
1.5 ,,	29	04.7	03.1	290	20	04.7	03.3	261	30	07.9	07.0	290	31	06.8	06.1	278	31	06.8	05.7	284	31	07.5	05.7	283
2.1 ,,	28	05.7	05.3	310	19	05.3	04.2	307	29	07.3	06.0	294	31	06.9	05.9	279	29	06.3	04.3	288	31	07.0	06.7	292
3.0 ,,	25	08.0	07.2	323	13	08.4	07.6	310	28	06.4	04.2	306	31	07.3	05.7	281	24	05.7	04.2	305	28	07.7	07.0	290
3.6 ,,	20	10.0	09.0	325	05	09.8	08.3	331	27	06.6	04.4	305	31	08.0	05.6	286	04	06.0	03.2	344	27	08.3	07.5	291
4.5 ,,	14	09.1	02.0	326					26	08.5	05.5	310	31	08.5	06.1	288	01	04.0	04.0	219	25	11.1	09.7	296
5.4 ,,	10	06.9	06.6	307					26	09.4	07.2	290	31	09.4	07.2	287					22	13.6	11.7	290
6.0 ,,	05	09.2	03.3	330					25	09.9	07.7	286	31	10.9	08.7	288					21	15.9	15.5	279
7.2 ,,	02	10.0	09.4	278					21	10.5	08.5	286	25	12.5	10.4	286					13	20.0	16.1	288
9.0 ,,	02	15.0	14.7	248					04	08.5	08.1	262	03	14.3	12.6	287					06	22.4	18.7	301

STATION	BIKANER								BOMBAY/SANTACRUZ															
TIME IN I.S.T.	1730				2330				0530*				1130				1730*				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.4	01.7	258	31	01.4	00.4	253	31	00.5	00.4	2[illegible]0	31	02.7	02.2	277	31	05.5	05.0	294	31	02.2	00.4	282
.15 A.G.L.	31	06.5	04.7	265	31	06.3	02.3	309	31	03.3	01.0	295	31	04.2	03.2	276	31	06.9	05.8	296	31	04.8	03.8	291
.3A.M.S.L.	31	05.2	03.5	267	31	07.6	01.5	320	31	03.8	01.6	302	31	04.4	03.0	276	31	06.9	06.0	300	31	05.2	04.2	294
.6 ,,	30	07.0	05.6	269	31	10.3	03.4	305	31	05.2	03.1	315	31	04.6	01.8	303	31	06.7	05.6	309	31	05.4	04.3	299
.9 ,,	30	07.2	05.9	273	29	08.5	03.8	321	31	06.0	04.3	329	31	05.0	02.9	349	31	05.7	04.9	316	31	05.6	04.2	318
1.5 ,,	29	06.7	05.7	274	28	05.8	03.6	303	31	06.4	05.4	335	31	06.0	04.4	348	31	04.9	04.1	342	30	05.9	04.7	338
2.1 ,,	24	05.1	04.3	280	28	05.6	04.6	285	31	06.6	05.2	335	28	06.7	04.5	334	31	05.5	04.2	332	24	05.7	04.5	331
3.0 ,,	22	06.4	05.5	276	26	07.7	05.9	275	31	06.4	03.1	305	24	05.4	00.9	311	31	05.0	02.1	328	20	04.5	01.0	293
3.6 ,,	20	07.1	06.3	278	09	08.1	06.4	259	31	06.2	00.6	253	24	05.5	00.9	294	31	05.7	01.5	286	12	06.0	00.9	108
4.5 ,,	19	08.6	07.9	279	03	07.7	06.1	283	31	05.5	01.3	253	21	05.2	01.2	336	30	05.8	01.5	303	04	07.5	04.0	019
5.4 ,,	18	14.4	13.6	285					31	06.0	02.5	333	19	05.9	03.2	328	30	06.0	01.9	360				
6.0 ,,	15	15.8	14.7	285					31	06.3	02.6	336	19	06.5	03.8	326	30	05.7	02.0	332				
7.2 ,,	02	23.0	22.0	284					31	07.6	04.3	316	16	05.9	02.9	298	30	06.2	03.3	325				
9.0 ,,	01	33.0	33.0	270					31	07.9	03.9	299	13	08.1	05.4	277	30	06.9	03.1	289				

STATION	CALCUTTA/DUM DUM																COCHIN/WILLINGDON							
TIME IN I.S.T.	0530*				1130				1730*				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.0	01.7	191	31	02.6	02.2	186	31	03.4	03.1	181	31	02.9	02.7	175	31	01.3	00.4	253	31	03.9	02.7	287
.15 A.G.L.	31	07.3	06.1	203	31	05.0	04.0	186	31	07.6	06.4	187	31	08.8	07.4	183	24	03.2	01.2	311	29	05.6	04.3	283
.3A.M.S.L.	31	08.5	07.1	214	31	05.2	04.1	194	31	07.6	06.4	185	31	11.2	09.3	191	24	03.8	02.6	292	29	06.0	04.5	286
.6 ,,	31	09.4	07.7	223	31	05.9	04.3	209	31	07.1	05.8	189	30	10.4	09.1	199	24	04.8	04.3	289	29	07.0	05.3	288
.9 ,,	31	08.6	06.3	237	31	06.5	04.3	217	31	05.9	04.5	201	29	08.7	06.9	209	24	05.1	04.5	287	29	06.3	04.8	286
1.5 ,,	31	06.5	03.8	269	27	06.1	03.5	268	31	05.3	03.2	269	27	06.8	03.9	261	22	04.3	03.0	284	29	04.8	03.3	300
2.1 ,,	31	06.2	04.3	289	23	07.3	05.6	280	31	07.2	05.9	290	22	07.9	06.2	293	16	04.0	02.4	044	24	05.7	02.3	347
3.0 ,,	31	08.3	07.3	296	23	09.9	08.5	292	31	10.2	09.5	301	15	09.5	08.8	313	02	14.0	13.9	059	16	08.1	06.0	052
3.6 ,,	31	11.1	10.0	296	22	11.3	10.2	288	31	12.0	11.3	299	03	07.0	06.8	335					13	08.6	06.9	063
4.5 ,,	31	11.2	10.2	302	19	12.8	11.5	290	31	11.3	10.6	306	01	05.0	05.0	304					07	08.6	07.4	068
5.4 ,,	31	11.3	09.6	305	15	13.3	11.9	289	31	12.1	11.2	299									01	05.0	05.0	225
6.0 ,,	31	11.1	40.9	929	21	31.4	91.3	929	13	11.2	61.1	229	5								01	03.0	03.0	135
7.2 ,,	31	13.8	11.2	290	08	15.0	13.3	284	31	13.7	11.6	291									01	03.0	03.0	320
9.0 ,,	31	15.1	12.4	274	02	19.0	14.0	305	31	15.8	12.4	273												

STATION	COCHIN/WILLINGDON				DEHRADUN								DIBRUGARH/MOHANBARI											
TIME IN I.S.T.	2330				0530				1730				0530				1130				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.7	00.4	271	31	00.3	00.3	063	31	01.0	00.5	274	31	00.9	00.6	054	31	01.0	00.6	065	31	01.3	00.8	031
.15 A.G.L.	24	03.5	01.7	295	31	02.2	01.1	060	31	04.1	02.6	271	28	04.7	03.9	074	28	02.5	01.3	068	29	04.0	01.7	044
.3A.M.S.L.	24	04.2	02.5	297									28	05.0	04.0	072	28	02.4	00.9	061	29	04.2	01.6	048
.6 ,,	24	05.0	04.1	295									28	04.0	03.2	064	28	02.7	01.1	100	29	04.0	01.2	085
.9 ,,	24	05.0	03.8	298	31	02.1	01.0	080	31	04.2	02.7	272	28	03.5	01.6	095	27	03.2	01.2	158	28	03.6	01.0	187
1.5 ,,	23	04.3	02.2	295	31	02.6	00.3	270	31	05.0	04.2	269	25	03.8	02.2	188	25	04.0	02.2	203	28	04.8	03.7	218
2.1 ,,	17	03.9	01.5	033	31	03.4	02.4	285	30	04.3	03.9	277	24	04.3	02.9	232	21	04.9	03.3	230	26	05.5	05.0	232
3.0 ,,	03	07.3	04.8	030	30	05.2	03.8	282	29	05.2	04.6	285	12	05.2	03.4	246	14	04.3	03.0	239	22	05.0	04.0	282
3.6 ,,					29	07.0	05.8	282	27	06.0	03.5	296	09	05.5	02.8	247	10	05.0	03.9	235	16	04.7	03.1	233
4.5 ,,					28	09.4	08.3	287	26	08.2	06.0	301	04	06.0	02.6	253	06	04.7	03.4	230	13	04.6	03.4	244
5.4 ,,					25	13.4	12.1	286	26	11.6	09.4	292	02	06.0	04.4	246	04	05.8	05.1	277	12	05.3	04.1	267
6.0 ,,					23	14.9	13.3	280	25	14.0	12.2	289	02	06.5	05.3	270	04	08.3	06.9	273	09	06.6	06.0	260
7.2 ,,					17	18.0	16.3	280	19	18.0	17.2	287	01	05.0	05.0	312	02	21.5	20.1	257	06	09.9	08.7	247
9.0 ,,					08	18.0	15.6	263	07	26.0	23.2	278												

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

MAY 1967.(VAISAKHA 11 - JYAISTHA 10,1889 SAKA)

STATION	DIBRUGARH/MOHANBARI				GADAG												GANGTOK							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.8	00.7	047	31	03.7	03.0	254	31	02.9	01.2	300	31	05.3	04.3	257	31	00.8	00.6	002	31	01.5	00.3	159
.15 A.G.L.	25	03.0	01.9	037	31	08.1	06.0	264	30	05.6	02.8	301	31	09.4	07.9	259	19	01.6	01.3	004	11	03.3	02.9	181
.3A.M.S.L.	25	02.9	01.8	050																				
.6 ,,	25	02.8	01.3	072																				
.9 ,,	25	02.7	00.4	104	31	08.6	06.2	298	30	05.6	03.3	305	31	10.1	08.5	270								
1.5 ,,	23	02.9	01.6	235	31	08.3	05.3	348	30	05.2	03.2	327	31	06.5	02.8	336								
2.1 ,,	23	04.5	04.0	243	29	07.1	03.7	011	30	06.1	03.5	348	31	06.3	04.4	050	19	01.3	00.3	317	11	02.8	02.5	185
3.0 ,,	19	05.2	04.3	232	27	06.0	04.1	054	28	06.6	03.9	014	29	06.9	06.2	054	19	02.3	01.3	144	08	01.7	00.5	211
3.6 ,,	09	03.3	02.1	233	27	07.4	05.8	059	22	06.7	03.6	018	29	07.9	06.5	050	17	03.1	01.4	202	06	02.5	01.4	218
4.5 ,,					22	07.4	04.7	063	19	07.6	05.8	070	16	07.9	05.4	050	12	05.6	02.7	254	02	03.0	02.4	217
5.4 ,,					19	06.7	03.8	058	14	06.3	03.6	065	05	09.6	08.9	059	10	09.1	08.0	261	02	04.0	02.5	203
6.0 ,,					17	06.8	05.1	055	13	06.4	04.6	050	01	13.0	13.0	080	09	08.9	07.8	253	01	07.0	07.0	240
7.2 ,,					15	07.1	05.3	042	07	06.6	04.9	050					05	17.6	14.7	263	01	15.0	15.0	235
9.0 ,,					14	05.6	01.9	087	07	05.0	02.6	101					03	30.7	24.2	267				

STATION	GAUHATI																GAYA							
TIME IN I.S.T.	0530*				1130				1730*				2330				0530				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	00.9	00.1	031	31	02.4	01.6	035	31	01.2	00.8	058	31	01.6	01.2	058	31	02.5	00.5	109	31	04.0	01.9	331
.15 A.G.L.	30	03.3	01.2	075	31	03.6	02.2	045	31	03.6	01.8	049	31	04.5	03.1	064	31	05.8	00.4	207	31	05.1	02.2	332
.3A.M.S.L.	30	03.5	01.1	072	31	03.5	02.2	047	31	03.6	02.3	048	31	04.9	03.3	067	31	05.8	00.6	271	31	05.2	02.4	330
.6 ,,	30	04.4	00.8	058	30	03.8	01.9	050	31	03.3	01.6	079	30	03.6	02.0	064	31	06.7	02.2	296	31	04.7	01.7	325
.9 ,,	30	04.8	00.7	241	30	04.0	00.4	129	31	04.4	00.8	178	29	03.2	00.8	163	31	07.2	03.6	295	31	05.5	02.3	294
1.5 ,,	30	06.9	05.2	246	26	07.0	04.5	233	31	07.2	05.2	236	27	05.7	05.1	245	30	06.9	04.8	304	28	07.3	05.1	279
2.1 ,,	29	08.3	07.3	248	18	08.0	04.9	250	30	09.3	08.1	245	23	07.6	06.6	260	30	08.9	07.7	302	22	06.3	04.7	289
3.0 ,,	29	09.7	08.4	268	12	07.3	06.6	254	30	10.6	09.7	266	16	09.3	08.3	269	26	11.6	10.7	297	15	07.6	06.1	307
3.6 ,,	29	00.8	09.9	271	07	05.9	05.0	264	30	11.2	10.2	266	01	11.0	11.0	284	24	14.1	12.9	294	01	06.0	06.0	326
4.5 ,,	28	12.4	11.5	273	05	04.8	03.4	253	30	10.8	09.8	278					19	15.2	15.1	292				
5.4 ,,	27	11.9	10.7	272	05	08.0	06.5	254	30	12.6	11.7	271					14	16.7	14.7	290				
6.0 ,,	27	12.0	10.4	265	05	09.6	06.9	244	30	13.1	12.4	272					10	16.3	13.5	288				
7.2 ,,	27	14.5	11.2	261	01	19.0	19.0	240	30	16.4	14.8	277					05	21.4	19.5	277				
9.0 ,,	26	20.4	17.1	256					29	21.9	18.4	260					04	22.7	21.9	248				

STATION	GAYA								GOA/DABOLIM												GOPALPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	04.6	02.6	332	31	03.5	01.5	065	31	02.9	01.8	349	31	07.6	07.2	308	31	05.3	04.3	332	31	06.3	06.0	222
.15 A.G.L.	31	06.4	03.7	337	31	08.4	02.4	030	30	03.6	02.9	327	30	06.1	05.7	293	29	04.8	04.5	317	30	11.6	10.8	213
.3A.M.S.L.	31	06.6	03.9	331	31	08.6	02.5	028	30	04.7	04.2	323	30	07.2	06.8	293	29	05.5	05.1	320	30	10.0	09.4	218
.6 ,,	31	07.1	04.5	322	31	08.8	02.0	008	30	05.6	04.9	317	30	06.3	05.8	299	29	05.6	05.0	321	30	07.7	06.7	231
.9 ,,	31	07.1	05.1	312	31	08.6	02.5	338	30	06.1	04.8	322	30	04.0	03.3	316	29	05.6	04.6	320	28	08.0	06.3	238
1.5 ,,	31	07.3	05.9	301	29	08.6	04.8	305	28	06.1	04.2	342	25	05.0	03.8	334	26	05.7	04.0	319	26	06.0	04.0	255
2.1 ,,	29	08.9	08.2	293	23	08.7	05.7	296	20	06.1	03.9	002	20	05.7	03.9	354	20	05.3	02.3	009	23	05.0	03.0	285
3.0 ,,	26	10.5	09.8	290	18	09.4	08.3	297	06	05.3	03.3	059	14	04.4	01.4	028	10	07.0	04.9	070	12	05.8	05.0	343
3.6 ,,	25	11.6	10.7	290	04	09.5	08.5	285	05	06.4	04.9	062	14	05.4	01.9	059	06	07.0	04.7	078	07	05.7	05.1	346
4.5 ,,	21	14.2	13.6	288	02	08.5	07.7	295	01	07.0	07.0	045	10	06.0	00.7	058	01	08.0	08.0	085	03	06.3	05.9	347
5.4 ,,	16	14.4	13.9	289									07	05.1	03.1	014					03	04.3	03.3	311
6.0 ,,	11	13.4	12.8	283									06	05.0	03.6	036					03	04.3	03.9	303
7.2 ,,	06	15.5	13.7	268									05	05.6	01.4	036								
9.0 ,,	03	18.0	17.2	238									02	05.0	04.9	292								

STATION	GOPALPUR								GORAKHPUR								GWALIOR							
TIME IN I.S.T.	1730				2330				0530				1730				0530				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	07.0	06.1	208	31	07.5	07.1	220	31	01.9	00.8	080	31	01.5	00.6	281	31	01.5	00.6	278	31	02.3	01.6	300
.15 A.G.L.	31	13.2	12.9	198	30	12.9	12.2	207	31	07.0	02.5	070	31	04.8	02.1	293	31	07.1	02.6	310	31	04.6	03.3	301
.3A.M.S.L.	31	12.0	11.8	201	30	10.9	10.4	210	31	04.8	02.2	072	31	05.3	02.9	289	31	05.7	02.1	293	31	04.3	02.9	304
.6 ,,	31	07.4	06.2	202	30	08.5	08.0	210	31	09.0	01.0	319	31	05.8	04.0	290	31	08.9	03.2	333	31	05.0	03.1	296
.9 ,,	29	04.6	02.8	194	30	05.5	04.7	208	30	08.3	02.9	299	31	06.0	04.2	288	31	08.7	03.3	323	31	04.9	03.2	301
1.5 ,,	27	03.9	00.7	246	27	04.5	03.2	237	30	08.1	07.5	297	31	06.7	05.2	291	29	07.6	04.8	319	29	06.1	04.9	298
2.1 ,,	22	04.9	02.9	328	16	02.6	02.0	317	29	09.7	08.3	300	31	08.7	08.3	291	28	08.0	06.6	303	26	06.8	05.9	298
3.0 ,,	18	07.8	06.9	333	09	05.4	04.4	341	21	13.0	12.1	303	27	11.1	10.8	295	25	10.6	10.0	295	26	08.2	07.6	291
3.6 ,,	14	08.9	08.1	339					19	15.0	14.5	298	25	13.1	12.9	295	25	11.6	10.6	289	26	09.8	09.0	283
4.5 ,,	09	08.7	08.2	328					11	13.0	12.1	296	19	14.0	13.4	296	23	13.7	12.4	282	25	12.6	11.2	283
5.4 ,,	04	07.8	07.1	323					08	13.2	12.8	294	12	15.2	14.5	294	22	15.0	14.0	288	23	13.5	12.5	281
6.0 ,,	04	07.8	07.2	321					06	13.2	12.7	290	05	11.4	10.9	296	22	16.1	15.4	288	21	14.9	14.2	282
7.2 ,,													02	09.5	09.2	289	20	17.7	16.9	288	18	16.9	15.7	280
9.0 ,,													01	16.0	16.0	220	15	23.2	21.5	287	12	21.3	19.7	280

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

MAY 1967.(VAISAKHA 11 - JYAISTHA 10,1889 SAKA)

STATION	GWALIOR								IMPHAL/TULIHAL											
TIME IN I.S.T.	1730				2330				0530				1130				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.4	01.9	302	31	01.6	00.7	328	31	00.9	00.3	017	31	02.2	01.2	314	31	02.5	01.8	286	31	01.1	00.5	297
.15 A.G.L.	31	05.9	04.9	308	31	06.7	03.4	337	31	02.9	00.6	034	31	03.5	01.3	291	30	04.9	03.7	277	30	03.1	00.8	296
.3A.M.S.L.	31	05.6	04.5	305	31	05.6	02.8	333																
.6 ,,	31	06.8	05.7	304	31	07.8	04.0	335																
.9 ,,	31	06.5	05.8	305	31	07.5	04.5	325	31	02.7	00.6	037	31	03.5	01.4	295	30	04.8	03.7	277	30	02.8	00.9	298
1.5 ,,	30	06.3	05.8	298	30	06.6	05.3	309	31	04.1	02.3	272	31	04.1	02.4	281	30	05.4	04.5	264	30	03.8	02.7	259
2.1 ,,	28	06.3	05.8	295	29	07.0	06.3	295	30	07.8	05.8	266	30	06.5	04.5	268	30	07.2	06.0	263	30	06.4	04.6	256
3.0 ,,	27	08.0	07.3	289	26	09.0	08.2	281	28	09.6	08.3	268	24	08.3	06.2	264	25	08.5	06.9	274	22	07.7	06.3	268
3.6 ,,	25	08.8	08.0	284	18	09.5	08.8	273	24	09.7	08.1	269	19	08.4	07.6	265	20	08.7	07.2	275	13	06.1	04.9	274
4.5 ,,	24	12.1	11.0	287	05	10.0	08.5	284	14	06.8	05.5	280	12	06.8	06.5	282	11	04.9	04.1	281	03	02.6	02.5	284
5.4 ,,	23	14.7	13.7	284					05	06.0	04.3	291	05	03.8	03.4	269	06	05.5	05.0	283				
6.0 ,,	22	16.0	15.0	287					05	07.2	05.2	303	02	04.5	04.4	216	05	06.2	05.2	236				
7.2 ,,	17	17.2	16.1	289					05	10.8	07.4	222	02	02.5	02.1	245	03	02.0	00.7	197				
9.0 ,,	12	22.8	21.1	288					03	03.7	03.1	191	01	04.0	04.0	166	01	03.0	03.0	185				

STATION	JABALPUR												JAGDALPUR											
TIME IN I.S.T.	0530				1730				2330				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.7	00.5	238	31	02.1	01.6	299	31	00.8	00.4	253	31	00.5	00.3	215	31	01.3	00.8	267	31	01.0	00.8	192
.15 A.G.L.	31	05.9	02.8	238	31	05.8	04.2	301	31	07.6	03.4	322	31	05.7	03.6	228	30	04.0	02.0	274	31	07.2	04.8	215
.3A.M.S.L.																								
.6 ,,	31	06.6	02.8	250	31	06.1	04.4	299	31	08.3	03.7	324	31	03.3	02.1	226	30	02.9	01.3	274	31	04.6	03.3	216
.9 ,,	31	09.0	04.2	299	31	06.0	04.5	293	31	08.7	04.9	322	31	08.3	05.8	238	30	03.9	02.2	277	31	07.2	04.5	225
1.5 ,,	31	08.2	05.5	318	31	06.5	05.2	301	31	08.0	05.7	308	31	06.4	03.9	277	29	04.2	02.9	295	31	05.2	03.1	263
2.1 ,,	31	07.3	06.1	314	30	05.8	05.0	301	27	06.7	05.3	303	30	05.7	03.5	311	28	04.4	03.5	310	29	04.1	03.2	305
3.0 ,,	27	08.6	06.8	302	27	06.2	05.4	297	18	07.0	05.7	286	29	06.7	05.1	345	26	04.8	03.5	327	28	05.1	03.7	337
3.6 ,,	22	09.9	09.0	293	26	07.0	06.1	292	08	09.0	09.0	279	25	06.7	05.7	350	24	06.0	03.9	338	11	05.8	04.9	353
4.5 ,,	20	10.9	10.0	291	23	10.2	09.3	290	01	10.0	10.0	250	24	08.1	06.4	349	21	07.0	04.6	338	02	10.5	10.5	003
5.4 ,,	17	11.7	10.5	298	19	11.9	10.9	292					21	06.9	05.2	329	18	08.0	07.0	327	01	09.0	09.0	010
6.0 ,,	16	11.9	10.4	312	18	12.6	11.8	296					20	06.7	04.8	340	18	07.8	06.1	316	01	09.0	09.0	015
7.2 ,,	05	12.4	08.9	325	05	16.2	15.6	301					17	06.6	04.5	331	15	09.0	06.2	303				
9.0 ,,													11	08.0	03.3	267	09	08.2	06.7	270				

STATION	JAIPUR/SANGANER												JAMSHEDPUR											
TIME IN I.S.T.	0530				1730				2330				0530				1130				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.3	00.5	356	31	03.4	02.6	294	31	01.3	01.0	312	31	00.5	00.1	037					31	01.9	00.2	144
.15 A.G.L.	31	06.7	01.8	354	31	06.3	04.6	280	31	08.6	06.2	301	31	03.1	00.8	223					31	03.9	01.1	237
.3A.M.S.L.													31	03.1	01.4	218					31	04.0	01.4	231
.6 ,,	31	07.4	01.5	334	31	06.6	04.9	283	31	09.2	06.7	297	31	04.8	02.0	236					31	04.5	01.9	244
.9 ,,	31	09.1	03.4	307	31	07.2	05.5	287	31	09.2	06.8	299	31	05.1	01.5	253					31	04.9	02.2	254
1.5 ,,	31	08.2	06.1	291	31	07.0	05.5	288	31	07.8	06.4	298	31	06.8	04.0	292					31	05.0	03.5	281
2.1 ,,	30	07.4	06.7	290	31	06.5	05.5	287	27	06.3	05.2	295	31	07.5	06.1	297					31	06.0	05.3	295
3.0 ,,	28	08.8	07.5	283	27	06.8	05.9	276	24	06.6	06.1	291	24	10.3	09.7	286					23	08.7	07.8	304
3.6 ,,	26	10.3	08.7	287	27	07.4	06.4	283	15	06.3	06.1	286	24	12.8	12.1	284					20	09.3	08.1	308
4.5 ,,	25	11.0	09.5	286	27	10.1	09.0	283					20	13.2	10.4	293					19	13.2	12.6	307
5.4 ,,	20	11.6	10.4	285	25	14.0	12.6	285					14	14.1	12.7	302					16	14.7	13.9	306
6.0 ,,	16	11.4	10.3	286	22	16.3	14.9	285					10	11.0	09.7	307					15	14.8	14.1	298
7.2 ,,	05	11.8	09.5	278	05	16.6	15.3	298					05	11.2	08.7	293					08	15.6	14.1	288
9.0 ,,													01	22.0	22.0	290					02	08.0	06.9	250

STATION	JHARSUGUDA												JODHPUR											
TIME IN I.S.T.	0530				1730				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.6	00.8	153	31	02.9	01.6	224	31	02.7	01.1	201	31	05.7	02.5	262	31	02.6	02.2	235	31	04.5	03.9	244
.15 A.G.L.	31	04.3	01.6	174	31	05.2	03.0	228	29	06.7	02.8	208	31	08.3	03.7	273	31	04.0	02.9	231	31	06.2	05.5	254
.3A.M.S.L.	31	03.6	01.1	165	31	04.6	02.7	223	29	05.1	01.4	194	31	06.0	02.7	262	31	03.2	02.2	240	31	04.9	04.3	246
.6 ,,	31	06.0	01.6	211	31	05.2	02.9	235	29	07.4	03.4	236	31	08.6	04.3	271	31	04.7	03.5	241	31	06.5	05.5	251
.9 ,,	31	06.9	02.9	276	31	05.2	03.4	248	29	06.4	03.3	255	31	08.0	05.1	268	31	05.2	03.9	223	31	06.4	05.6	252
1.5 ,,	31	06.8	04.5	303	31	05.4	04.1	260	29	06.0	03.5	286	31	07.0	05.4	267	31	05.5	03.8	250	31	06.5	05.7	261
2.1 ,,	31	07.0	06.0	299	31	06.0	04.8	287	29	05.6	04.4	296	31	06.7	05.5	272	31	05.2	03.7	268	31	05.5	04.8	265
3.0 ,,	31	08.4	07.3	300	31	06.6	05.5	305	29	06.2	04.8	301	31	07.5	05.8	283	30	05.9	04.3	278	31	05.7	04.9	270
3.6 ,,	29	09.6	08.6	301	31	07.8	07.2	317					31	08.3	06.1	294	28	07.5	05.6	277	31	06.1	05.4	273
4.5 ,,	28	11.2	10.4	305	30	11.1	09.9	316					31	10.0	08.2	283	25	09.7	08.6	283	31	09.0	07.5	285
5.4 ,,	26	11.2	09.8	318	26	10.9	10.3	320					30	13.2	10.9	283	22	11.6	09.7	283	31	11.8	10.2	282
6.0 ,,	24	12.2	09.8	311	22	10.3	08.9	305					30	14.9	13.0	282	21	12.4	10.4	283	30	15.2	13.8	281
7.2 ,,	18	11.7	08.8	302	17	12.8	10.0	287					30	17.6	15.9	279	12	12.8	11.0	290	30	17.6	16.2	275
9.0 ,,	10	15.3	13.0	274	11	14.2	10.4	289					30	24.5	22.3	278	01	15.0	15.0	235	30	22.0	19.7	279

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

MAY 1967.(VAISAKHA 11 - JYAISTHA 10,1889 SAKA)

STATION	JODHPUR				LUCKNOW/AMAUSI												MADRAS/MINAMBAKKAM			
TIME IN I.S.T.	2330				0530*				1130				1730*				2330				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	04.4	02.7	250	31	01.9	00.7	055	31	05.5	02.8	320	31	03.7	03.1	293	31	01.5	00.7	356	31	04.0	02.8	222
.15 A.G.L.	28	08.4	05.1	255	31	08.1	02.1	357	31	06.4	03.0	297	31	07.3	05.4	305	31	07.9	03.6	335	31	06.6	04.7	234
.3A.M.S.L.	28	07.7	04.6	252	31	08.1	02.1	357	31	06.6	03.5	294	31	07.3	05.4	305	31	08.0	03.7	337	31	07.0	05.2	236
.6 ,,	28	09.7	06.3	259	31	09.0	02.5	336	31	06.8	03.4	300	31	07.6	06.1	302	31	08.8	04.9	324	31	07.5	05.3	247
.9 ,,	28	09.1	06.3	253	31	09.2	04.5	320	31	07.8	04.8	297	31	08.0	06.8	298	31	08.3	05.9	321	31	07.0	04.1	253
1.5 ,,	28	07.8	06.1	253	31	09.9	07.4	310	28	07.6	03.1	310	31	07.6	06.5	291	30	09.0	08.0	305	31	05.7	00.7	308
2.1 ,,	26	05.9	03.9	262	31	10.8	08.5	300	26	07.9	05.7	292	30	08.1	06.7	290	19	08.3	07.0	305	31	05.9	02.7	042
3.0 ,,	22	04.8	03.2	277	31	11.9	11.0	294	22	09.8	08.5	288	30	09.0	08.2	285	11	07.5	06.8	286	31	08.6	05.0	040
3.6 ,,	05	06.4	04.4	283	31	12.2	11.6	288	18	10.9	09.9	290	30	10.1	09.2	283	01	12.0	12.0	255	31	08.6	05.2	037
4.5 ,,					31	12.5	11.4	284	18	12.8	11.2	282	31	13.3	12.0	287					31	08.5	04.4	047
5.4 ,,					31	14.8	13.3	287	17	15.6	14.6	283	31	15.1	13.8	286					30	08.7	03.3	060
6.0 ,,					30	16.4	15.0	280	15	16.4	15.5	286	31	16.0	15.7	282					30	08.2	03.3	060
7.2 ,,					30	18.6	17.1	284	12	17.5	17.4	284	30	19.2	17.7	282					29	08.5	04.1	070
9.0 ,,					29	24.2	22.8	276	04	18.5	17.8	281	30	26.6	23.3	276					29	05.9	01.3	093

STATION	MADRAS/MINAMBAKKAM												MANGALORE/BAJPE											
TIME IN I.S.T.	1130				1730*				2330				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	03.0	01.3	242	31	04.6	03.5	138	31	04.2	03.4	182	31	00.9	00.5	022	31	05.7	05.2	298	31	01.6	01.3	315
.15 A.G.L.	31	04.9	02.2	247	31	06.1	04.5	146	31	08.9	07.4	185	29	03.5	03.0	352	30	07.7	07.5	298	29	04.9	04.2	316
.3A.M.S.L.	31	05.5	02.7	237	31	05.7	04.0	150	31	09.1	07.8	189	29	03.9	03.5	342	30	07.4	07.5	297	29	05.2	04.7	315
.6 ,,	31	05.7	02.7	260	31	04.5	01.5	193	31	07.3	05.8	191	29	05.1	04.7	322	30	06.5	06.0	304	29	05.7	05.3	315
.9 ,,	31	05.7	02.3	298	31	04.1	00.7	232	30	06.3	04.0	199	29	05.1	04.2	315	29	05.2	04.4	312	29	04.5	03.9	316
1.5 ,,	27	05.6	01.8	002	31	04.4	01.3	338	29	05.4	00.9	234	27	05.2	02.9	338	28	05.3	03.5	354	28	04.1	02.3	344
2.1 ,,	25	06.1	03.7	043	31	06.1	02.6	030	28	05.4	02.3	017	19	05.9	03.2	014	23	06.1	04.7	023	21	05.0	04.5	038
3.0 ,,	24	07.4	06.9	045	31	07.5	04.6	032	27	07.8	06.2	041	12	07.9	07.0	067	20	06.2	05.8	046	18	07.1	06.2	071
3.6 ,,	22	08.2	07.6	043	31	07.2	04.4	038	17	07.8	06.8	040	10	08.8	08.2	073	18	05.9	05.4	060	15	07.5	07.1	075
4.5 ,,	21	06.9	05.0	060	31	07.4	03.5	052	03	08.0	07.5	054	09	09.1	07.6	073	16	06.9	05.0	077	12	07.6	05.9	064
5.4 ,,	19	07.1	04.8	051	30	08.6	03.4	048					08	06.7	04.2	081	13	07.2	05.0	062	03	03.7	03.5	330
6.0 ,,	19	06.0	04.7	056	30	07.7	03.0	040					08	06.3	05.3	088	12	06.9	03.3	068	02	01.5	01.3	039
7.2 ,,	13	05.8	03.2	072	29	07.8	02.2	056					04	09.0	08.2	079	12	07.7	04.4	055				
9.0 ,,	08	05.4	02.8	101	29	05.4	00.7	066					02	07.5	04.7	035	07	07.1	01.4	078				

STATION	MINICOY																NAGPUR/SONEGAON							
TIME IN I.S.T.	0530				1130				1730*				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	03.3	02.9	287	31	03.3	03.0	287	31	04.3	03.9	276	31	03.6	03.3	294	31	02.9	02.4	310	31	03.8	01.4	316
.15 A.G.L.	29	05.9	05.3	286	30	05.4	04.9	294	31	06.5	06.0	277	30	05.6	05.3	286	31	09.1	05.2	312	31	05.7	02.1	333
.3A.M.S.L.	29	05.6	05.0	287	30	05.7	05.1	295	31	06.8	06.1	280	30	06.0	05.6	288								
.6 ,,	29	06.3	05.8	289	29	06.0	05.4	294	31	06.5	05.8	290	30	06.4	06.0	289	31	10.8	06.0	310	31	05.8	02.9	316
.9 ,,	26	06.3	05.7	288	28	05.9	05.1	296	31	06.5	05.6	288	30	06.3	05.8	288	31	10.9	05.8	299	31	06.0	03.0	314
1.5 ,,	23	04.6	03.6	293	25	04.6	03.0	317	31	04.9	03.0	270	30	04.7	03.6	296	31	08.0	04.7	294	31	06.5	03.3	305
2.1 ,,	21	04.8	01.6	009	24	04.5	02.4	018	31	04.7	02.4	341	27	04.6	02.4	003	31	07.0	04.2	285	30	05.7	03.3	306
3.0 ,,	17	07.4	04.2	079	21	07.3	05.1	071	31	07.4	03.9	045	24	08.0	05.4	071	31	06.8	05.1	294	30	06.1	04.0	304
3.6 ,,	14	07.7	05.1	091	16	08.1	06.8	077	31	09.0	03.1	049	15	08.4	05.2	085	31	07.5	04.9	297	29	06.8	04.0	290
4.5 ,,	11	06.7	03.0	113	13	07.8	04.5	097	31	08.5	02.1	080	03	06.0	06.0	078	31	08.5	05.4	305	27	07.3	05.4	289
5.4 ,,	08	07.6	04.4	113	10	07.0	01.6	184	31	07.8	01.8	116	01	06.0	06.0	075	31	09.2	06.8	307	27	08.1	06.6	298
6.0 ,,	07	07.1	03.4	101	08	06.9	01.2	184	31	08.6	02.1	123	01	05.0	05.0	060	31	10.0	08.0	305	27	08.8	07.4	298
7.2 ,,	07	07.7	03.6	087	07	07.4	01.1	011	30	09.4	03.3	140					31	12.1	09.4	295	26	10.7	08.1	294
9.0 ,,	06	06.8	01.7	072	05	03.4	00.4	074	30	07.4	02.2	110					30	13.3	10.2	281	19	13.7	11.4	271

STATION	NAGPUR/SONEGAON								NEW DELHI/SAFDARJUNG															
TIME IN I.S.T.	1730*				2330				0530*				1130				1730*				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	03.2	02.4	304	31	03.0	00.9	283	31	02.5	01.6	296	31	02.7	02.0	299	31	03.2	02.4	312	31	01.6	00.9	335
.15 A.G.L.	31	05.6	03.5	298	31	09.7	03.2	288	31	07.1	03.6	298	31	05.8	04.3	300	31	06.2	04.9	316	31	08.2	04.3	344
.3A.M.S.L.									31	05.9	02.7	290	31	04.7	03.2	301	31	04.4	03.4	314	31	06.7	03.8	334
.6 ,,	31	05.6	03.2	290	31	10.6	03.7	289	31	07.5	04.0	307	31	05.8	04.1	300	31	06.8	05.5	315	31	09.1	05.0	343
.9 ,,	31	05.7	03.3	280	31	10.2	04.1	288	31	08.5	05.3	309	31	06.0	04.1	300	31	07.3	06.2	314	31	08.7	05.6	325
1.5 ,,	31	05.5	03.4	288	30	07.8	04.1	301	31	09.1	07.1	303	30	07.1	05.3	298	31	07.2	06.2	309	31	08.4	06.5	310
2.1 ,,	31	05.0	03.3	287	28	06.5	04.2	296	31	08.9	07.9	295	28	09.5	08.4	302	31	07.3	06.8	298	25	08.7	07.7	295
3.0 ,,	31	06.0	04.2	295	23	05.8	03.8	302	31	10.4	09.1	291	28	11.1	10.1	301	31	09.1	08.0	287	12	10.7	09.2	287
3.6 ,,	31	06.8	05.4	300	04	06.7	06.2	332	31	11.7	10.0	289	26	12.2	11.1	294	31	09.7	08.6	282	02	10.0	09.1	265
4.5 ,,	31	07.7	05.9	302					31	12.1	09.5	289	21	14.2	12.4	293	31	12.2	11.0	280	01	17.0	17.0	248
5.4 ,,	31	08.7	06.9	303					31	13.8	12.1	279	20	17.1	14.7	286	30	13.5	12.2	282				
6.0 ,,	31	09.7	08.3	306					31	15.5	14.2	273	18	17.8	15.9	286	30	14.7	13.5	287				
7.2 ,,	31	12.6	09.7	295					31	20.8	19.4	279	16	21.7	19.7	284	30	19.5	18.5	284				
9.0 ,,	29	12.3	08.8	270					31	30.2	28.3	277	08	28.3	25.9	283	30	28.5	26.7	276				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

MAY 1967.(VAISAKHA 11 - JYAISTHA 10,1889 SAKA)

STATION	POONA												PORT BLAIR											
IME IN I.S.T.	0530				1730				2330				0530*				1130				1730*			
T IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
RFACE	31	00.5	00.4	251	31	02.7	02.4	278	31	01.1	01.0	267	31	04.8	04.3	218	31	05.0	03.0	214	31	04.8	04.2	220
.15 A.G.L.	31	04.6	04.4	273	31	07.4	06.7	276	31	06.2	05.5	271	29	07.1	05.6	217	27	06.0	03.1	211	28	06.9	04.6	216
.3A.M.S.L.													29	07.2	05.6	219	27	06.6	03.5	207	28	06.9	04.6	216
.6 ,,	31	02.4	02.1	251	31	05.0	04.5	282	31	03.1	02.8	261	29	08.7	07.1	221	26	07.2	04.6	226	28	08.0	05.3	227
.9 ,,	31	06.6	05.9	294	31	07.2	06.7	282	31	07.4	06.6	288	28	08.4	06.6	224	17	06.2	03.7	234	28	08.8	06.2	229
.5 ,,	31	08.4	07.2	337	31	06.4	05.4	295	31	08.8	08.1	317	28	07.7	05.1	229	13	05.2	01.8	200	28	08.3	05.9	234
.1 ,,	30	06.6	04.9	347	29	05.4	04.1	039	31	06.8	05.1	337	28	07.9	04.0	224	12	06.0	01.1	180	28	06.9	04.3	230
.0 ,,	30	06.1	01.8	001	29	06.1	01.9	359	31	06.3	02.1	040	27	07.7	03.0	223	10	06.3	02.0	111	28	07.0	03.7	245
.6 ,,	13	05.9	02.2	140	28	06.4	00.9	019	22	06.8	04.4	091	27	07.9	03.1	226	05	03.6	03.4	095	28	07.9	04.5	239
.5 ,,					25	05.4	00.5	356	03	06.7	06.0	111	27	09.1	03.7	230	04	04.0	02.5	103	28	07.9	03.4	235
.4 ,,					25	05.6	02.2	347					26	07.5	02.5	223	03	04.0	03.4	025	28	08.3	03.5	232
.0 ,,					24	05.9	03.3	344					26	07.3	02.4	215	02	05.0	04.3	056	28	08.5	02.1	228
.2 ,,					23	06.3	03.2	334					25	07.1	00.8	129					28	08.1	02.1	198
.0 ,,					06	06.5	05.7	261					24	06.3	02.4	155					26	06.8	03.0	145

STATION	PORT BLAIR				RAIPUR												RAXAUL							
IME IN I.S.T.	2330				0530				1730				2330				0530				1730			
IT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
IRFACE	31	04.1	02.9	223	31	01.4	00.7	253	31	01.8	00.8	276	31	01.7	00.9	206	31	03.0	02.1	094	31	02.9	00.4	309
.15 A.G.L.	27	05.8	03.7	236	31	06.7	02.8	260	31	04.7	02.6	264	30	08.1	03.9	223	29	07.5	06.6	095	31	04.5	00.5	291
.3A.M.S.L.	27	06.4	04.2	228													29	08.4	07.3	100	31	04.5	00.6	257
.6 ,,	27	07.8	05.2	227	31	07.9	02.9	271	31	05.1	03.2	268	30	05.3	03.9	238	29	08.2	06.5	110	31	05.0	01.1	243
.9 ,,	23	07.2	04.4	227	31	09.5	03.9	286	31	05.9	03.8	280	30	07.8	03.6	258	29	07.0	03.2	120	31	04.4	01.5	258
.5 ,,	21	06.6	03.0	222	30	07.7	04.0	294	30	05.7	04.5	290	30	06.4	04.2	283	28	05.2	01.9	261	30	04.8	02.8	272
.1 ,,	16	05.2	03.6	202	27	06.1	04.1	299	30	05.9	04.9	295	29	05.5	04.3	303	26	06.3	05.2	289	26	06.5	06.0	274
.0 ,,	12	04.4	01.4	120	27	07.0	04.7	299	28	06.4	05.7	295	28	06.5	05.5	320	20	09.0	08.7	291	19	07.8	07.3	292
.6 ,,	03	04.0	03.5	140	26	09.0	06.3	293	28	06.8	05.8	301	26	07.8	06.8	323	15	09.2	08.3	293	15	09.7	08.8	294
.5 ,,	02	01.0	00.6	055	26	10.0	08.1	307	27	08.5	07.6	307	07	08.3	07.1	310	11	10.0	09.1	292	12	08.9	08.6	291
.4 ,,					26	09.8	08.0	314	26	10.3	09.6	306					10	10.0	10.0	283	11	10.8	09.2	297
.0 ,,					25	09.9	07.9	319	24	10.2	08.8	279					08	13.6	12.3	261	08	08.2	06.5	283
.2 ,,					20	11.7	09.0	313	22	13.0	10.9	293					05	10.2	09.0	262	05	12.0	10.6	282
.0 ,,					18	13.9	09.1	275	11	12.7	09.6	278					05	17.4	17.2	228	01	19.0	19.0	219

STATION	SRINAGAR								TIRUCHCHIRAPPALLI												TRIVANDRUM			
IME IN I.S.T.	0530*				1730*				0530				1730				2330				0530*			
IT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
IRFACE	29	00.2	00.1	018	31	02.6	00.5	293	31	03.4	02.9	270	31	04.2	00.6	224	31	04.1	02.7	228	31	02.0	01.7	336
.15 A.G.L.	29	02.1	01.3	139	31	03.4	00.6	310	31	06.5	05.2	271	31	05.8	01.2	209	31	06.9	04.6	216	31	06.0	05.1	323
.3A.M.S.L.									31	07.2	06.1	267	31	05.8	01.3	220	31	07.1	04.8	216	31	06.4	05.4	315
.6 ,,									31	08.7	07.3	263	31	05.8	01.6	231	31	08.2	05.5	225	31	07.1	06.1	304
.9 ,,									31	08.3	06.5	265	31	05.6	01.4	229	31	08.4	05.3	233	31	07.5	06.3	297
.5 ,,									30	05.1	02.2	277	31	04.8	01.0	277	31	05.1	14.2	663	10	72.0	53.2	90
.1 ,,	29	02.2	01.1	146	31	03.5	00.7	285	30	06.1	01.4	040	31	05.0	01.6	356	31	05.8	02.1	021	31	06.8	02.1	350
.0 ,,	29	03.0	00.5	180	31	04.9	02.5	163	26	08.7	06.3	050	29	07.5	03.8	044	26	08.1	05.5	052	31	09.5	04.6	055
.6 ,,	29	03.9	02.6	142	31	05.6	03.1	173	25	09.2	07.6	051	29	08.9	05.3	048	22	08.4	05.1	052	31	09.5	04.4	043
.5 ,,	29	06.0	02.3	210	31	06.5	04.0	200	20	08.9	05.4	058	26	08.7	04.4	056	11	06.6	04.0	043	30	09.3	01.8	079
.4 ,,	29	09.2	04.8	255	30	07.8	04.2	232	17	07.7	04.9	053	22	07.4	02.2	053	01	11.0	11.0	060	30	10.3	01.5	105
.0 ,,	29	10.6	07.0	265	30	08.9	05.4	252	14	08.1	04.1	055	21	07.9	02.6	073	01	10.0	10.0	065	30	10.9	02.0	115
.2 ,,	28	13.3	09.5	271	29	12.6	08.2	269	08	07.1	02.0	001	15	07.9	03.3	060					30	09.4	01.5	125
.0 ,,	28	21.9	16.4	275	29	17.8	14.8	279					07	06.9	01.6	010					30	06.8	03.3	103

STATION	TRIVANDRUM												UDAIPUR											
TIME IN I.S.T.	1130				1730*				2330				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
URFACE	31	02.3	01.8	288	31	03.9	03.4	283	31	02.3	01.4	323	31	00.4	00.2	265	31	01.1	00.9	269	31	00.9	00.8	268
.15 A.G.L.	30	04.5	03.7	287	31	06.8	05.8	285	29	05.1	04.3	307	31	03.4	02.7	284	30	05.2	04.1	276	31	05.6	04.4	287
.3A.M.S.L.	30	04.5	03.7	291	31	06.8	05.8	285	29	05.5	04.8	305												
.6 ,,	30	04.9	04.0	299	31	07.1	06.0	290	29	07.1	06.4	302												
.9 ,,	29	05.7	04.9	300	31	07.3	05.9	297	28	07.9	07.2	300	31	05.4	04.6	297	30	05.5	04.8	273	31	06.5	05.5	287
1.5 ,,	21	05.8	04.2	305	31	06.7	03.9	315	27	06.9	05.1	311	31	08.3	06.7	272	30	05.6	05.1	271	31	08.0	07.1	285
2.1 ,,	10	05.8	02.1	333	31	07.2	02.8	357	23	06.0	03.7	348	31	07.5	03.2	285	30	05.6	04.9	270	29	07.0	05.9	275
3.0 ,,	07	08.9	05.4	042	31	09.8	04.3	057	18	07.4	04.5	023	31	07.0	04.5	279	30	06.0	05.3	277	28	05.9	04.1	260
3.6 ,,	05	08.4	08.1	054	31	09.5	04.5	060	12	09.8	05.3	049	31	07.5	05.1	280	30	07.2	06.3	280	24	06.0	03.3	288
4.5 ,,	03	06.0	04.7	089	31	09.5	02.7	078	04	09.7	04.1	099	29	08.0	06.0	286	29	09.7	07.3	287	16	06.9	05.9	287
5.4 ,,	01	01.0	01.0	245	31	10.4	02.1	094	01	04.0	04.0	275	28	10.2	07.6	272	26	11.3	09.7	284	03	07.7	06.6	286
6.0 ,,	01	02.0	02.0	135	31	10.3	02.2	115	01	03.0	03.0	238	27	11.4	09.5	290	26	12.0	10.9	285	02	05.5	05.3	252
7.2 ,,	01	07.0	07.0	240	31	09.3	02.2	105					24	14.2	11.3	291	20	14.6	13.0	283	01	06.0	06.0	245
9.0 ,,	01	07.0	07.0	285	31	06.2	02.9	107					20	17.1	14.7	287	16	17.8	15.2	282				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

MAY 1967.(VAISAKHA 11 - JYAISTHA 10,1889 SAKA)

STATION	VENGURLA												VERAVAL											
TIME IN I.S.T.	0530				1730				2330				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.5	00.5	005	31	03.4	03.0	285	31	01.2	01.1	325	31	04.0	03.1	299	31	07.8	07.2	274	31	04.9	04.4	294
.15 A.G.L.	31	04.1	03.4	340	30	06.2	05.9	291	31	04.2	03.9	320	30	08.1	06.9	298	31	08.9	08.2	275	31	08.2	07.5	291
.3A.M.S.L.	31	05.6	04.8	332	30	07.1	06.5	296	31	05.6	05.1	325	30	08.8	07.7	299	31	09.3	08.8	278	31	09.3	08.5	295
.6 ,,	31	05.9	04.9	328	30	06.3	05.3	302	31	06.5	05.5	330	30	09.3	08.1	302	31	08.5	07.8	287	31	09.0	08.3	296
.9 ,,	30	06.2	05.2	331	30	05.4	04.5	306	31	06.6	05.4	331	29	08.0	07.1	298	31	07.3	06.7	288	30	07.8	07.2	299
1.5 ,,	28	07.0	05.2	349	26	05.6	04.4	336	31	06.9	05.2	332	27	06.1	04.5	294	31	06.2	04.9	304	30	06.2	04.9	305
2.1 ,,	27	06.6	04.5	007	24	07.1	05.6	356	29	05.9	03.1	359	23	05.3	03.0	302	30	05.9	03.9	308	29	05.5	02.9	296
3.0 ,,	17	05.2	01.9	048	23	07.1	03.8	011	26	05.5	02.6	061	18	05.9	03.3	301	30	06.1	04.2	282	27	05.7	02.6	272
3.6 ,,	07	05.7	03.4	086	23	06.8	02.8	037	16	07.8	06.5	067	02	02.0	01.7	296	30	07.0	04.1	279	18	05.6	00.9	236
4.5 ,,					21	06.4	02.7	055	01	13.0	13.0	050	01	02.0	02.0	249	30	07.4	04.1	297	06	04.3	02.1	350
5.4 ,,					20	07.1	04.5	055					01	02.0	02.0	301	30	07.6	05.1	293	02	06.5	04.9	359
6.0 ,,					20	06.9	04.2	053					01	03.0	03.0	278	30	08.5	05.6	300	02	05.5	03.4	336
7.2 ,,					18	06.9	04.4	056									29	09.4	06.1	296				
9.0 ,,					10	06.0	02.1	069									12	11.0	07.9	306				

STATION	VIJAYWADA/GANNAVARAM												VISHAKHAPATNAM											
TIME IN I.S.T.	1130				1730				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.6	00.3	162	31	03.3	01.6	169	31	02.3	00.8	142	31	03.4	02.7	274	31	03.4	03.1	193	31	03.3	02.4	254
.15 A.G.L.	31	05.4	02.9	198	31	05.3	02.8	167	31	06.8	03.4	178	31	05.6	04.8	287	31	06.7	06.4	201	31	04.9	03.8	257
.3A.M.S.L.	31	06.8	03.7	204	31	05.7	03.0	163	31	08.0	04.3	184	31	05.8	04.8	277	31	06.3	05.5	213	31	05.0	04.1	255
.6 ,,	31	08.1	04.2	210	31	05.3	02.6	181	31	08.2	04.1	189	31	07.2	06.5	241	31	05.6	05.1	245	31	06.4	04.5	234
.9 ,,	31	08.3	03.6	214	31	04.7	01.7	209	31	06.3	02.3	196	31	07.1	06.2	263	31	05.5	04.6	252	31	05.1	03.8	252
1.5 ,,	30	06.7	01.0	219	31	04.5	01.5	289	31	04.6	00.9	002	31	04.7	02.9	280	29	04.6	02.7	252	31	04.3	01.9	302
2.1 ,,	30	06.4	01.3	023	31	05.6	02.6	347	31	05.3	02.2	005	31	04.3	02.2	328	28	04.1	01.7	346	31	05.0	02.6	003
3.0 ,,	30	06.7	04.2	023	31	06.5	04.2	023	31	06.2	03.0	005	31	06.0	04.4	008	28	05.8	04.3	014	31	06.5	04.9	003
3.6 ,,	30	07.8	05.4	019	29	07.1	04.7	034	28	06.6	03.8	015	31	06.8	05.0	008	28	06.6	05.3	016	31	08.1	06.9	357
4.5 ,,	26	07.8	05.8	024	26	06.9	04.5	029	26	05.8	04.3	003	29	00.6	70.5	135	72	70.6	40.5	100	23	10.7	50.5	435
5.4 ,,	23	07.7	05.9	031	23	06.7	03.4	010	08	07.1	04.5	011	29	06.3	04.7	350	26	07.3	04.7	356	31	06.3	04.3	344
6.0 ,,	21	07.7	05.4	026	22	06.1	02.7	353	06	06.8	05.1	355	29	06.6	04.7	357	26	06.8	04.5	360	31	07.1	04.5	349
7.2 ,,	18	07.2	05.1	038	16	06.3	03.6	013					29	07.5	04.4	338	19	05.8	02.3	352	31	07.5	04.3	335
9.0 ,,	13	05.6	03.3	044	07	04.9	02.1	019					28	07.7	04.4	284	10	06.5	02.8	283	31	07.7	03.9	276

STATION	VISHAKHAPATNAM																							
TIME IN I.S.T.	2330																							
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.5	02.3	228																				
.15 A.G.L.	31	06.0	05.5	231																				
.3A.M.S.L.	31	06.6	06.0	227																				
.6 ,,	31	07.3	06.7	231																				
.9 ,,	30	06.2	05.3	239																				
1.5 ,,	28	04.4	02.2	276																				
2.1 ,,	27	03.7	01.3	005																				
3.0 ,,	24	05.5	04.2	360																				
3.6 ,,	16	06.3	04.5	007																				
4.5 ,,	10	06.7	04.5	347																				
5.4 ,,	02	10.5	10.3	287																				
6.0 ,,	01	08.0	08.0	285																				
7.2 ,,																								
9.0 ,,																								

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

MAY 1967.(VAISAKHA 11 - JYAISTHA 10,1889 SAKA)

STATION	AGARTALA				AHMADABAD												AMINI							
TIME IN I.S.T.	1730				0530*				1130				1730*				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	03	13.3	09.9	210	19	20.2	17.9	273	07	17.6	16.8	272	29	17.6	13.8	277	01	11.0	11.0	085	05	04.0	03.7	088
12.0	03	14.7	09.1	223	17	17.1	14.9	266	06	18.3	17.5	267	28	17.7	15.8	267	01	13.0	13.0	070	05	10.0	09.8	100
14.1	01	11.0	11.0	130	11	12.2	07.9	251	02	15.0	15.0	262	14	17.2	15.0	272					02	11.0	11.0	127
16.2	01	06.0	06.0	100	06	07.2	04.9	243	02	04.5	04.5	291	08	10.7	05.6	272								
18.0					02	04.5	02.7	145	01	10.0	10.0	294	03	13.0	07.7	143								
21.0					02	13.0	12.9	094	01	24.0	24.0	284	01	04.0	04.0	112								
24.0																								
27.0																								
30.0																								
33.0																								

STATION	ANANTAPUR				ASANSOL								AURANGABAD/CHIKALTHAN				BAHRAICH				BANGALORE			
TIME IN I.S.T.	0530				0530				1730				0530				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	03	05.3	03.1	323	04	19.3	15.3	263	05	15.0	14.3	218	01	16.0	16.0	238	01	18.0	18.0	230	06	04.8	02.1	080
12.0	01	01.0	01.0	360	03	23.3	17.1	263	02	17.5	15.7	233					01	19.0	19.0	205	06	05.2	04.1	093
14.1	01	03.0	03.0	060	01	12.0	12.0	155													04	06.3	05.5	095
16.2	01	16.0	16.0	085	01	07.0	07.0	138													03	13.0	12.8	102
18.0	01	27.0	27.0	055	01	07.0	07.0	145													01	06.0	06.0	064
21.0	01	29.0	29.0	050	01	21.0	21.0	164																
24.0																								
27.0																								
30.0																								
33.0																								

STATION	BANGALORE								BAREILLY				BERHAMPUR											
TIME IN I.S.T.	1130				1730				0530				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	07	05.7	04.4	103	14	05.9	03.0	097	01	19.0	19.0	315	29	08.0	04.8	244	01	04.0	04.0	205	29	07.9	04.7	252
12.0	04	05.5	03.9	078	12	07.0	04.3	137					29	08.9	05.8	230					29	08.1	04.9	224
14.1	02	14.0	12.7	086	05	13.2	12.1	125					27	08.6	06.1	196					28	07.7	05.0	186
16.2	02	18.5	18.5	095	03	14.3	14.3	102					24	07.4	04.9	135					27	07.6	06.2	116
18.0	02	27.5	27.5	098	02	08.5	08.4	096					19	07.5	06.3	105					19	09.8	09.2	093
21.0	02	18.5	18.4	083									15	06.9	06.2	084					09	06.6	06.2	093
24.0	01	13.0	13.0	335									05	14.4	13.8	084					04	11.7	11.3	088
27.0																					01	07.0	07.0	090
30.0																								
33.0																								

STATION	BHAGALPUR				BHOPAL/BAIRAGARH								BHUBANESWAR				BHUJ/RUDRAMATA							
TIME IN I.S.T.	1730				0530				1730				1730				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	01	05.0	05.0	205	17	19.4	13.9	276	07	17.0	16.0	254	01	15.0	15.0	250	01	13.0	13.0	260	01	16.0	16.0	235
12.0	01	11.0	11.0	180	12	20.7	13.8	269	03	19.4	19.6	256												
14.1	01	06.0	06.0	265	07	18.4	13.3	256	01	07.0	07.0	310												
16.2					05	17.2	12.4	251	01	07.0	07.0	195												
18.0					04	16.0	10.6	282																
21.0					03	10.7	05.5	229																
24.0					03	09.0	08.7	047																
27.0					01	16.0	16.0	105																
30.0																								
33.0																								

STATION	BIKANER				BOMBAY/SANTACRUZ												CALCUTTA/DUM DUM							
TIME IN I.S.T.	0530				0530*				1130				1730*				0530*				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	02	34.0	29.5	297	30	08.9	07.0	265	11	09.9	06.9	268	30	08.3	06.4	263	31	16.6	13.4	269	31	17.2	14.3	265
12.0	01	24.0	24.0	345	30	10.6	08.9	250	05	07.2	05.2	268	30	09.4	07.7	258	29	16.5	12.1	247	31	16.2	12.8	260
14.1					25	10.6	08.5	250	01	07.0	07.0	087	27	08.5	05.2	250	29	17.3	12.7	239	31	16.4	10.2	244
16.2					21	08.4	02.8	230					18	07.7	03.6	170	29	10.2	06.3	219	31	12.3	04.4	205
18.0					12	07.0	06.2	059					14	08.1	07.6	097	13	08.1	03.3	106	14	07.8	05.1	079
21.0					06	11.2	10.7	088					03	12.7	12.2	103	01	07.0	07.0	349	05	08.2	07.2	084
24.0					01	08.0	08.0	020																
27.0																								
30.0																								
33.0																								

STATION	GADAG								GANGTOK				GAUHATI								GAYA			
TIME IN I.S.T.	0530				1730				0530				0530*				1730*				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	10	04.5	03.6	169	07	00.4	10.2	910	30	22.8	52.7	021	42	32.2	62.0	125	52	62.1	61.9	125	01	26.0	26.0	218
12.0	10	06.0	04.9	168	03	08.3	03.6	144	01	18.0	18.0	240	23	25.8	21.8	254	24	21.5	18.7	253				
14.1	10	06.2	05.2	169	01	04.0	04.0	280	01	29.0	29.0	250	13	23.9	21.3	246	16	20.8	18.2	249				
16.2	10	10.3	08.3	124	01	11.0	11.0	100	01	21.0	21.0	235	05	18.4	16.3	215	04	16.7	14.5	277				
18.0	04	12.5	12.2	095					01	18.0	18.0	255	02	10.5	09.7	235	02	08.0	02.1	202				
21.0	04	08.3	07.3	088									01	14.0	14.0	232								
24.0																								
27.0																								
30.0																								
33.0																								

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

MAY 1967.(VAISAKHA 11 - JYAISTHA 10,1889 SAKA)

STATION	GAYA	GOA/DABOLIM	GORAKHPUR	GWALIOR		
TIME IN I.S.T.	1730	1730	1730	0530	1130	1730
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	02 21.0 19.2 228	01 05.0 05.0 240	01 12.0 12.0 225	13 26.4 24.2 281	07 23.1 19.8 286	07 33.4 31.4 289
12.0	01 11.0 11.0 195	01 01.0 01.0 127		05 25.4 23.0 268	04 24.5 23.7 260	03 38.7 34.5 307
14.1		01 05.0 05.0 060		03 21.7 20.3 247	01 37.0 37.0 250	01 45.0 45.0 275
16.2		01 04.0 04.0 356		01 22.0 22.0 240		
18.0		01 07.0 07.0 099		01 11.0 11.0 284		
21.0						
24.0						
27.0						
30.0						
33.0						

STATION	IMPHAL/TULIHAL			JAGDALPUR		JAMSHEDPUR
TIME IN I.S.T.	0530	1130	1730	0530	1730	1130
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	03 04.3 04.2 164	01 05.0 05.0 169	01 07.0 07.0 165	07 08.1 02.9 199	04 07.0 04.7 204	
12.0	03 07.7 07.2 179			04 11.0 06.5 177	03 08.7 07.5 233	
14.1	01 06.0 06.0 145			03 10.7 06.6 164		
16.2	01 10.0 10.0 130			01 07.0 07.0 130		
18.0	01 11.0 11.0 105					
21.0	01 16.0 16.0 085					
24.0						
27.0						
30.0						
33.0						

STATION	JAMSHEDPUR	JHARSUGUDA	JODHPUR		LUCKNOW/AMAUSI	
TIME IN I.S.T.	1730	1730	0530*	1730*	0530*	1730*
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	01 06.0 06.0 184	09 16.1 10.6 279	27 28.7 26.1 275	30 26.8 24.8 275	26 30.0 26.1 269	28 28.5 26.0 265
12.0	01 09.0 09.0 166	06 11.4 00.9 024	82 62.8 72.6 127	32 72.7 52.4 627	02 53.1 82.8 226	22 83.2 03.2 026
14.1	01 16.0 16.0 170	04 22.0 10.0 267	20 26.7 25.5 265	19 09.8 02.7 265	14 27.9 25.4 248	23 30.0 26.0 256
16.2	01 19.0 19.0 124	01 13.0 13.0 109	09 12.0 08.6 263	10 16.6 14.4 270	08 20.4 19.0 253	15 17.3 11.3 255
18.0			03 08.7 07.8 272	01 12.0 12.0 086	03 07.3 02.0 155	08 09.5 06.3 200
21.0					01 07.0 07.0 287	02 29.5 21.3 243
24.0					01 07.0 07.0 058	
27.0					01 14.0 14.0 091	
30.0						
33.0						

STATION	MADRAS/MINAMBAKKAM			MANGALORE/BAJPE	MINICOY	
TIME IN I.S.T.	0530*	1130	1730*	1730	0530	1130
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	28 06.3 02.4 134	04 07.0 06.9 112	28 05.4 02.0 151	05 05.0 00.9 065	04 05.7 03.7 089	04 06.0 05.3 099
12.0	28 07.0 04.3 125	03 06.0 03.5 115	28 08.0 05.5 125	05 05.8 04.5 133	04 11.0 10.7 100	03 13.3 12.7 101
14.1	24 09.6 08.3 105	02 11.5 11.5 098	26 11.2 10.0 118	03 12.0 11.3 130	01 24.0 24.0 090	02 16.5 16.3 093
16.2	17 11.3 09.4 103	02 15.5 15.3 077	17 12.8 12.0 096	02 11.0 10.9 097		02 25.0 22.7 092
18.0	06 07.5 01.6 031	01 13.0 13.0 095	03 08.0 08.0 086	01 13.0 13.0 145		
21.0	05 08.2 03.5 067	01 06.0 06.0 100		01 09.0 09.0 100		
24.0						
27.0						
30.0						
33.0						

STATION	MINICOY	NAGPUR/SONEGAON			NEW DELHI/SAFDARJUNG	
TIME IN I.S.T.	1730*	0530*	1130	1730*	0530*	1130
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	30 06.9 04.3 103	29 14.2 11.5 263	10 15.5 13.8 271	28 14.6 11.6 261	30 34.8 32.1 272	02 22.0 16.5 292
12.0	29 09.2 06.7 084	27 14.8 11.4 255	04 12.5 10.9 273	28 16.0 12.9 250	30 36.6 34.1 265	
14.1	28 15.7 13.9 085	23 14.4 11.6 240	02 13.0 12.9 298	19 13.9 10.6 241	27 26.1 24.1 267	
16.2	25 16.8 13.3 089	13 09.6 06.9 233		10 10.7 06.5 230	27 14.9 13.9 260	
18.0	11 08.6 02.1 089	09 09.2 02.4 144		02 05.0 03.7 090	19 06.3 01.9 327	
21.0	08 08.6 03.1 287	04 10.0 07.7 105			13 07.9 06.2 075	
24.0	02 03.5 00.8 045				08 07.1 05.0 072	
27.0					03 07.3 05.9 077	
30.0						
33.0						

STATION	NEW DELHI/SAFDARJUNG	POONA	PORT BLAIR		RAIPUR	
TIME IN I.S.T.	1730*	1730	0530*	1730*	0530	1730
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	29 35.6 32.9 271	02 06.5 06.3 258	23 07.2 03.1 127	25 06.2 02.5 115	07 10.7 07.4 217	03 11.0 03.9 174
12.0	29 33.3 32.5 267	01 05.0 05.0 195	21 07.4 03.6 131	25 10.0 05.3 096	05 11.2 10.0 173	
14.1	27 23.3 22.1 266	01 12.0 12.0 180	16 12.6 10.3 093	20 10.6 07.5 090	01 18.0 18.0 140	
16.2	21 14.1 13.1 269		10 15.7 15.2 086	11 13.0 11.6 086	01 16.0 16.0 121	
18.0	14 05.3 02.1 124		07 11.7 11.0 089	06 10.3 08.8 083		
21.0	07 05.1 03.3 094		03 05.7 05.2 051	02 20.4 00.4 007	4	
24.0	02 06.0 05.9 070					
27.0	01 03.0 03.0 033					
30.0						
33.0						

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

MAY 1967.(VAISAKHA 11 - JYAISTHA 10,1889 SAKA)

STATION	RAXAUL				SRINAGAR								TRIVANDRUM								UDAIPUR			
TIME IN I.S.T.	0530				0530				1730				0530*				1730*				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	03	22.3	22.0	228	27	29.4	24.8	275	28	25.2	21.6	284	30	07.3	05.1	100	31	06.4	02.1	130	12	20.5	15.5	290
12.0	03	28.3	28.0	218	25	32.4	28.4	275	28	30.9	28.1	279	30	09.3	07.4	095	31	09.7	07.6	093	08	17.6	14.4	277
14.1	01	13.0	13.0	191	16	28.0	24.9	270	22	28.7	25.4	274	28	15.2	13.7	096	25	16.5	14.5	093	02	12.5	07.5	288
16.2					06	25.0	22.3	273	08	18.0	17.6	275	19	15.3	13.7	095	17	14.8	13.2	093	01	27.0	20.0	146
18.0					02	21.5	14.0	299					07	07.0	01.4	225	04	07.7	06.1	085	01	10.0	10.0	050
21.0					01	22.0	22.0	330					02	08.5	08.1	285	02	05.5	05.0	255				
24.0																								
27.0																								
30.0																								
33.0																								

STATION	UDAIPUR				VINGURLA				VARAVAL				VIJAYWADA/GANNAVARAM				VISHAKHAPATNAM				VISHAKHAPATNAM			
TIME IN I.S.T.	1730				1730				1730				0530				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	06	21.2	17.6	288	04	07.0	01.9	071	05	17.8	12.4	298	09	06.1	02.3	294	28	09.4	03.6	261	05	07.6	00.3	067
12.0	01	18.0	18.0	215	01	05.0	05.0	065	02	16.0	15.9	241	05	07.6	04.8	238	27	09.5	03.6	237	04	12.3	02.9	202
14.1									01	18.0	18.0	230	02	03.0	02.5	260	16	09.2	04.7	189	04	12.3	05.7	165
16.2													01	01.0	01.0	160	08	09.4	07.7	135	04	07.0	05.6	116
18.0																	02	09.0	08.3	139	04	08.5	08.4	105
21.0																					04	11.5	10.6	096
24.0																					02	12.5	12.2	092
27.0																								
30.0																								
33.0																								

STATION	VISHAKHAPATNAM																							
TIME IN I.S.T.	1730*																							
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	30	08.2	03.6	247																				
12.0	30	09.6	03.8	224																				
14.1	18	11.2	07.8	147																				
16.2	07	07.4	06.0	127																				
18.0																								
21.0																								
24.0																								
27.0																								
30.0																								
33.0																								

RADIOSONDE DATA

During the month, observations of upper air temperature, pressure and humidity were made at 16 stations in India as given in the list below. For detailed description of the instruments used, a reference may be made to the I.M.D. Scientific Notes Nos. 112 and 113 (Volume IX)

LIST OF RADIOSONDE STATIONS IN INDIA

Station	Type of Instrument used	Date of starting	Hours of routine observations in GMT during the month	Remarks
Ahmadabad	Fan type	20th Jul. 1961	00 and 12	
Bangalore	Fan type	10th Mar. 1961	00 and 12	
Bombay/Santacruz	Clock type	7th Sep. 1954	00 and 12	
Calcutta/Dum Dum	Clock type	13th Dec. 1946	00 and 12	Fan type used from 13.12.1946 to 30.11.1947
Cochin/Ernakulam	Fan type	1st Aug. 1966	00 and 12	
Gauhati	Clock type	22nd Jul. 1955	00 and 12	
Jodhpur	Clock type	17th Apr. 1946	00 and 12	
Lucknow	Clock type	15th Aug. 1966	00 and 12	
Madras/Minambakkam	Fan type	29th Jun. 1946	00 and 12	
Minicoy	Fan type	12th May. 1963	00 and 12	
Nagpur/Sonegaon	Fan type	1st Oct. 1946	00 and 12	
New Delhi/Safdarjung	Clock type	3rd Dec. 1943	00 and 12	
Port Blair	Fan type	4th Dec. 1949	00 and 12	
Srinagar	Clock type	1st Aug. 1962	00 and 12	
Trivandrum	Fan type	1st Jul. 1947	00 and 12	
Visakhapatnam	Fan type	8th Dec. 1946	00 and 12	

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(A) FROM ASCENTS AT 00 HRS G.M.T.
MAY 1967.(VAISAKHA 11 - JYAISTHA 10,1889 SAKA)

STANDARD PRESSURE SURFACE	AHMADABAD SURFACE PR (998 MB)						BANGALORE (907 MB)						BOMBAY/SANTACRUZ (1004 MB)					
	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
MB																		
SURFACE	31	00055	300.4	303	298	291.5	31	00921	295.4	298	293	293.2	31	00013	299.9	302	297	296.5
1000	30	00034	300.3	301	299	292.0	30	00072					31	00052	299.9	303	297	296.2
900	30	00971	301.1	305	292	280.1	30	00993	295.1	298	293	292.4	31	00960	297.2	301	293	284.9
850	30	01477	299.3	304	295	276.1	30	01490	293.9	297	289	288.7	31	01480	296.1	300	289	278.8
800	30	02007	295.5	299	291	273.4	30	02014	291.8	295	287	285.0	31	02007	294.0	298	287	275.9
700	30	03149	286.2	289	281	266.9	30	03153	284.0	289	281	278.0	31	03144	285.0	290	281	273.0
600	30	04423	277.4	282	274	258.2	30	04414	275.8	281	272	271.5	31	04414	276.0	281	271	266.4
500	30	05881	268.0	272	263		30	05870	268.2	273	263		31	05868	267.6	273	263	262.5
400	30	07600	256.8	261	251		30	07590	257.5	262	252		31	07585	257.0	261	253	
300	30	09709	242.9	249	236		30	09704	242.9	248	238		30	09696	242.9	249	240	
250	30	10989	234.4	244	226		30	10985	233.6	239	228		30	10973	234.4	238	229	
200	30	12487	223.8	232	214		29	12480	221.9	227	215		30	12473	223.9	229	218	
175	27	13362	217.9	228	213		27	13330	215.9	223	209		27	13345	217.6	223	211	
150	25	14336	211.6	224	206		26	14311	209.4	219	201		25	14326	211.0	217	206	
125	21	15432	205.4	218	199		21	15468	202.7	209	197		23	15435	204.8	209	199	
100	14	16786	200.5	213	194		19	16713	197.3	204	192		21	16766	199.2	206	195	
80	10	18147	206.0	214	197		16	18009	199.2	208	195		18	18069	201.2	213	195	
70	10	18925	209.2	220	197		12	18832	203.3	210	198		13	19455	202.8	209	195	
60	09	19919	214.1	224	205		08	19769	206.3	216	199		08	19795	209.6	217	204	
50	08	21072	218.4	226	210		06	20943	213.3	221	208		06	20910	213.4	219	210	
40	05	22416	221.6	229	215													
30																		
20																		
10																		

STANDARD PRESSURE SURFACE	CALCUTTA/DUM DUM SURFACE PR (1002 MB)						ERNAKULAM (1006 MB)						GAUHATI (999 MB)					
	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
MB																		
SURFACE	31	00006	300.1	302	298	298.2	23	00003	300.4	303	299	297.7	31	00049	296.4	302	292	295.1
1000	31	00021	300.0	302	297	297.9	23	00058	300.1	303	299	297.1	31	00041	294.5	297	292	293.5
900	31	00954	299.3	303	295	286.9	23	00985	294.7	297	293	292.0	30	00959	294.5	299	289	288.9
850	31	01456	296.6	300	292	283.7	23	01480	292.0	295	289	289.2	30	01451	292.0	296	286	286.6
800	31	01984	293.1	296	288	281.3	23	02000	289.7	291	287	285.4	30	01970	288.8	293	283	284.0
700	31	03120	284.5	288	281	274.5	23	03128	283.9	287	281	277.3	30	03090	282.5	288	276	276.2
600	31	04388	275.3	279	272	264.9	23	04397	275.9	280	274	269.4	29	04349	275.5	281	272	267.1
500	31	05842	267.7	275	262		23	05852	267.6	270	264		28	05804	268.0	275	263	
400	31	07565	258.1	265	252		23	07570	256.5	260	251		28	07528	258.3	263	254	
300	31	09687	244.7	249	240		23	09680	242.0	247	238		27	09647	248.5	251	239	
250	30	10974	236.0	244	231		22	10953	233.5	238	227		27	10934	236.9	243	230	
200	29	12476	224.7	233	217		22	12442	220.9	225	215		27	12452	226.9	235	221	
175	29	13346	218.4	227	212		22	13278	214.4	219	207		25	13319	220.7	230	215	
150	29	14316	211.4	219	205		22	14253	207.2	213	198		23	14306	214.6	225	205	
125	29	15438	204.5	215	195		20	15325	200.5	207	191		21	15431	209.4	219	202	
100	29	16745	198.5	208	191		17	16639	197.5	205	191		21	16783	203.5	212	197	
80	28	18041	198.8	207	191		14	17952	201.1	208	194		16	18114	204.4	212	196	
70	27	18828	202.2	210	197		13	18751	205.5	213	201		14	18910	206.6	216	195	
60	24	19737	205.7	213	201		13	19673	208.5	215	203		12	19855	209.1	217	197	
50	22	20849	211.0	218	203		12	20805	213.2	219	205		10	20941	213.2	219	201	
40	13	22191	216.0	223	208		09	22210	217.9	221	213		06	22358	218.1	227	213	
30	07	23980	219.1	224	213													
20																		
10																		

STANDARD PRESSURE SURFACE	JODHPUR SURFACE PR (975 MB)						LUCKNOW/AMAUSI (987 MB)						MADRAS/MINAMBAKKAM (1003 MB)					
	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
MB																		
SURFACE	31	00217	302.3	305	298	282.1	31	00127	300.4	305	297	285.2	31	00015	301.1	303	298	297.9
1000	31	00005					31	00008					30	00037	300.9	303	298	297.5
900	31	00937	301.9	306	294	275.3	31	00947	302.5	307	299	276.2	30	00964	297.7	303	293	289.3
850	31	01439	299.0	304	291	270.6	31	01441	299.1	303	295	272.2	30	01464	295.7	299	291	284.7
800	31	01965	294.9	301	291	269.9	31	01980	295.6	300	291	270.1	30	01988	292.4	297	287	281.2
700	31	03102	285.3	291	281	263.2	31	03123	286.4	292	281	268.3	30	03121	284.4	289	279	273.7
600	31	04368	275.3	280	269	249.1	31	04391	271.1	281	269	256.4	30	04388	275.9	281	272	267.6
500	30	05818	266.6	270	260		31	05843	267.5	272	261		30	05843	267.4	272	263	
400	30	07524	254.7	259	247		31	07555	255.9	262	250		29	07562	257.2	260	253	
300	30	09614	240.8	247	233		31	09657	243.1	249	237		28	09678	242.5	247	237	
250	30	10880	233.1	239	227		31	10935	235.1	239	229		28	10920	233.5	237	230	
200	28	12388	224.1	229	218		30	12443	225.8	232	218		28	12442	220.7	225	217	
175	26	13251	218.5	224	212		28	13316	220.5	227	214		27	13302	214.0	218	208	
150	25	14227	213.1	219	206		28	14290	215.2	221	207		27	14253	207.5	213	201	
125	21	15348	206.7	214	200		26	15408	207.3	214	199		26	15342	201.1	207	194	
100	17	16707	204.0	211	198		26	16743	204.1	212	197		17	16641	196.2	201	195	
80	12	18039	206.0	214	199		21	18075	205.9	212	197		09	17912	198.6	204	194	
70	10	18831	210.3	217	201		18	18911	207.4	213	198		07	18713	202.6	209	195	
60	07	19760	213.4	219	208		16	19838	210.8	215	200		05	19639	208.4	214	199	
50	06	20921	218.5	225	213		11	20979	216.0	223	201							
10																		
30																		
20																		
10																		

RADIO SONDE DATA

TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE

(A) FROM ASCENTS AT 00 HRS G.M.T.

MAY 1967.(VAISAKHA 11 - JYAISTHA 10,1889 SAKA)

STANDARD PRESSURE SURFACE	NAGPUR/SONEGAON SURFACE PR (968 MB)						NEW DELHI/SAFDARJUNG (978 MB)						PORT BLAIR (998 MB)					
MB	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00311	302.5	307	295	289.6	31	00209	299.8	307	295	283.0	31	00079	298.7	302	297	297.2
1000	31	00020					31	00010					27	00060				
900	31	00960	302.8	310	297	285.2	31	00946	301.7	307	297	277.2	27	00980	294.3	296	290	291.4
850	31	01468	299.1	305	294	282.0	31	01450	298.2	304	293	273.4	27	01470	291.7	295	287	289.2
800	31	01997	294.5	300	289	280.1	31	01977	294.2	299	288	272.0	27	01993	288.9	294	281	285.3
700	31	03137	284.5	287	280	275.3	31	03111	284.4	289	280	266.0	27	03118	279.9	287	275	277.5
600	31	04401	274.6	279	270	269.3	31	04373	273.9	280	269	257.7	27	04386	276.8	281	267	270.9
500	31	05849	270.0	271	261		31	05811	264.6	270	259		25	05849	269.3	273	266	
400	31	07554	256.1	260	251		31	07505	253.1	259	248		24	07579	259.1	264	255	
300	31	09666	242.3	248	235		30	09586	240.5	247	236		24	09706	245.1	252	240	
250	31	10935	234.2	239	227		30	10854	233.4	240	224		23	10945	234.7	243	222	
200	31	12431	022.3	227	217		29	12353	225.5	231	218		21	12483	221.7	229	212	
175	26	13291	217.6	221	212		28	13222	220.3	226	215		18	13349	216.8	223	212	
150	25	14240	212.3	218	203		27	14210	215.9	220	209		18	14316	209.8	218	204	
125	23	15364	205.7	211	199		27	15349	209.3	218	199		13	15405	203.0	207	196	
100	19	16682	200.2	205	194		27	16701	205.3	215	197		11	16722	197.3	206	192	
80	13	18006	202.8	209	198		25	18063	207.9	215	201		10	18004	199.9	205	193	
70	10	18824	208.3	215	201		23	18892	210.9	220	204		10	18793	203.8	212	197	
60	07	19801	212.9	218	207		19	19815	214.0	219	208		07	19704	208.3	219	201	
50							12	20965	219.0	225	212		06	20793	210.2	218	201	
40							09	22376	222.6	227	217							
30							05	24186	226.0	233	221							
20																		
10																		

STANDARD PRESSURE SURFACE	SRINAGAR SURFACE PR (840 MB)						TRIVANDRUM (999 MB)						VISHAKHAPATNAM (999 MB)					
MB	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	01588	283.3	290	279	281.5	31	00064	299.5	01	297	297.3	31	00941	301.6	304	299	298.6
1000	29	112					31	00056	299.6	301	299	297.3	31	0033	301.	303	300	297.9
900	29	01006					31	00994	294.9	297	292	292.1	31	00966	298.9	305	294	289.9
850	29	1484					31	01480	292.3	295	289	289.1	31	01469	297.0	302	291	285.4
800	29	01954	283.6	291	279	273.7	31	02001	289.5	293	287	285.7	31	01997	293.8	300	289	283.2
700	29	03091	278.0	283	273	272.3	31	03129	284.0	287	280	277.5	31	03136	285.4	292	281	277.7
600	29	04325	269.4	275	264		31	04400	276.4	280	273	270.0	30	04408	276.9	280	273	270.5
500	29	05735	260.2	266	254		30	05858	268.0	272	265		30	05873	268.0	273	264	
400	29	07409	248.5	253	244		30	07577	257.3	261	255		29	07582	257.8	265	250	
300	28	09477	233.3	246	227		30	09688	242.7	246	238		29	09517	244.5	251	237	
250	27	10692	228.0	233	221		30	10962	233.5	238	229		29	10919	237.2	243	230	
200	27	12120	224.0	231	218		30	12450	221.0	227	216		29	12500	223.8	230	217	
175	24	13028	218.0	228	214		29	13285	214.2	221	209		26	13366	218.1	223	209	
150	23	14025	219.6	228	213		29	14254	207.2	215	201		26	14345	212.6	218	205	
125	19	15247	215.2	223	207		28	14254	207.2	215	201		26	14345	212.6	218	202	
100	15	16583	212.3	221	205		24	16649	196.5	205	191		23	16582	201.3	209	198	
80	10	18005	211.1	217	207		17	17950	200.7	207	196		16	18148	204.9	208	199	
70	09	18799	211.3	216	208		15	18737	204.5	215	199		13	18954	207.1	212	204	
60	08	19771	213.7	222	209		09	19606	207.8	217	202		09	19105	210.3	215	205	
50	08	20922	229.7	231	211		05	20712	210.0	217	202		09	21032	214.2	221	207	
40	07	22323	218.3	225	212													
30																		
20																		
10																		

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(B) FROM ASCENTS AT 12 HRS G.M.T.
MAY 1967.(VAISAKHA 11 - JYAISTHA 10,1889 SAKA)

STANDARD PRESSURE SURFACE MB	AHMADABAD SURFACE PR (995 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BANGALORE (906 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BOMBAY/SANTACRUZ (1003 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00055	313.9	317	311	285.7	31	00921	305.1	309	295	302.5	31	00013	304.7	308	303	296.8
1000	31	00014					31	00028					31	00043	304.2	307	302	296.1
900	31	00976	306.6	311	301	279.7	31	00978	304.0	308	295	289.0	31	00978	299.9	306	295	284.0
850	31	01487	302.0	308	297	276.6	31	01487	296.2	303	292	286.4	31	01482	298.2	304	293	279.3
800	31	02021	297.2	303	293	275.7	31	02017	293.9	300	289	285.2	31	02011	295.0	299	289	277.7
700	31	03167	287.1	293	282	270.6	31	03156	284.9	291	282	275.2	31	03153	286.3	290	283	273.3
600	31	04446	278.6	285	273	259.5	31	04429	276.1	282	273	270.5	30	04428	277.2	281	272	265.8
500	29	05910	269.3	274	263		31	05856	268.1	273	261		30	05890	269.4	273	263	
400	29	07633	257.8	264	256		31	07612	257.9	263	253		30	07616	257.7	261	252	
300	29	09753	243.0	247	238		30	09727	243.1	247	238		30	09732	243.0	249	238	
250	29	11000	234.4	239	228		30	10971	232.9	238	229		30	11008	234.5	241	227	
200	29	12527	224.3	228	217		30	12411	221.6	227	217		30	12502	222.8	229	213	
175	24	13395	217.6	223	208		25	13355	215.7	220	210		28	13364	217.4	224	212	
150	21	14378	211.9	217	204		22	14296	208.4	213	203		26	14340	211.0	218	203	
125	20	15478	205.1	210	195		18	15444	203.6	209	198		22	15475	205.6	211	199	
100	16	16811	201.3	211	195		15	16705	198.0	206	192		20	16813	201.1	206	195	
80	13	18130	203.2	213	195		14	18145	200.9	208	195		18	18130	202.7	208	196	
70	10	18954	206.7	217	201		12	18724	203.7	212	197		15	18905	205.6	213	199	
60	08	19922	213.0	221	204		10	19798	207.0	214	201		11	19855	208.4	213	202	
50	05	21145	218.8	227	212		09	20894	212.0	221	205		06	21020	214.0	220	206	
40	05	22586	223.4	229	218													
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	CALCUTTA/DUM DUM SURFACE PR (999 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	ERNAKULAM (1005 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	GAUHATI (996 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00006	306.5	310	304	297.6	27	00003	303.5	307	300	298.3	31	00049	301.8	306	296	297.1
1000	31	00001	305.9	310	305	297.1	27	00045	303.1	306	299	297.7	30	00016	299.0	301	296	295.5
900	31	00943	300.5	306	297	291.1	27	00977	296.0	299	294	292.2	30	00932	296.3	300	292	291.1
850	31	01448	298.1	302	295	284.2	27	01475	293.4	296	291	290.8	30	01437	293.6	297	289	288.6
800	31	01977	294.7	299	291	280.1	27	01997	290.7	293	289	286.4	30	01958	290.6	293	287	284.6
700	31	03119	285.9	291	283	273.9	27	03127	284.1	286	281	279.2	30	03084	283.6	287	278	275.7
600	31	04395	277.0	282	271	264.0	27	04399	276.5	282	273	271.6	30	04349	276.3	281	269	267.1
500	31	05858	269.6	273	265		26	05861	268.5	275	265		30	05804	268.4	274	261	
400	31	07592	259.6	264	253		26	07583	257.4	262	253		30	07533	258.5	263	253	
300	31	09729	246.3	252	243		26	09696	242.3	251	235		30	09663	245.3	251	238	
250	31	11022	237.1	243	231		26	10969	233.1	241	227		30	10953	236.6	245	230	
200	31	12539	226.2	232	219		26	12461	222.2	227	217		30	12466	226.2	233	222	
175	31	13415	219.6	225	213		24	13307	215.5	221	209		29	13394	220.5	229	213	
150	31	14388	212.1	218	207		24	14283	208.8	215	200		25	14313	213.1	221	205	
125	31	15515	205.0	212	197		22	15353	201.6	207	197		22	15414	206.5	212	199	
100	31	16825	199.1	206	190		20	16668	197.5	207	191		19	16754	200.6	208	192	
80	26	18110	199.0	208	189		19	17966	199.9	206	190		14	18059	201.5	207	193	
70	26	18904	202.2	222	193		17	18771	203.2	211	196		13	18875	205.8	212	197	
60	19	19819	209.3	226	200		16	19683	206.6	213	199		11	19856	209.6	214	204	
50	19	20951	214.5	232	205		13	20754	209.5	218	201		08	20979	215.1	218	209	
40	13	22416	219.5	227	214		09	22123	213.0	221	207		06	22370	219.3	221	216	
30	08	24221	222.7	229	217													
20																		
10																		

STANDARD PRESSURE SURFACE MB	JODHPUR SURFACE PR (975 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	LUCKNOW/AMAUSI (985 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	MADRAS/MINAMBAKKAM (1002 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00217	311.2	314	307	281.1	31	00127	311.4	316	309	282.9	31	00015	306.9	315	302	297.3
1000	30	-0025					31	-0011					31	00022	306.8	311	304	297.1
900	30	00933	305.9	311	301	277.4	31	00947	306.1	310	301	278.3	31	00960	299.7	304	293	289.7
850	30	01442	301.8	307	296	273.0	31	01455	302.1	307	297	278.3	31	01461	296.5	301	291	286.4
800	30	01975	297.1	303	291	270.9	31	01988	297.4	302	292	274.4	31	01987	292.9	296	287	286.3
700	30	03119	286.9	293	279	264.8	31	03132	287.4	295	283	269.1	31	03123	285.0	288	282	276.5
600	30	04390	276.5	282	272	254.9	31	04408	277.8	283	273	259.0	31	04391	276.6	279	272	268.9
500	30	05845	267.2	274	264		31	05866	268.0	275	260		30	05849	268.2	271	263	
400	30	07556	255.8	261	252		31	07584	256.7	264	252		29	07570	257.5	262	254	
300	30	09653	244.6	248	233		31	09691	243.1	250	236		28	09677	242.3	247	238	
250	30	10932	233.4	239	226		30	10966	235.4	243	229		28	10953	233.5	239	228	
200	30	12419	224.0	229	215		29	12489	226.2	235	217		27	12445	221.5	227	217	
175	27	13303	219.1	225	212		28	13368	220.6	230	212		25	13285	215.1	219	211	
150	27	14277	213.4	220	206		28	14343	214.8	223	205		25	14256	207.9	213	204	
125	21	15390	207.0	215	199		27	15484	208.6	221	200		24	15333	201.5	207	198	
100	15	16733	202.8	211	192		26	16825	204.3	215	194		18	16660	196.3	202	192	
80	12	18061	204.9	215	197		22	18172	204.6	211	196		12	17941	198.2	207	195	
70	11	18866	207.7	218	202		21	18998	820.7	421	420	1	09	18759	204.1	209	199	
60	07	19852	211.4	224	206		17	19958	211.7	218	204							
50							12	21120	216.5	224	209							
40							08	22488	221.9	227	215							
30																		
20																		
10																		

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(B) FROM ASCENTS AT 12 HRS G.M.T.
MAY 1967.(VAISAKHA 11 - JYAISTHA 10,1889 SAKA)

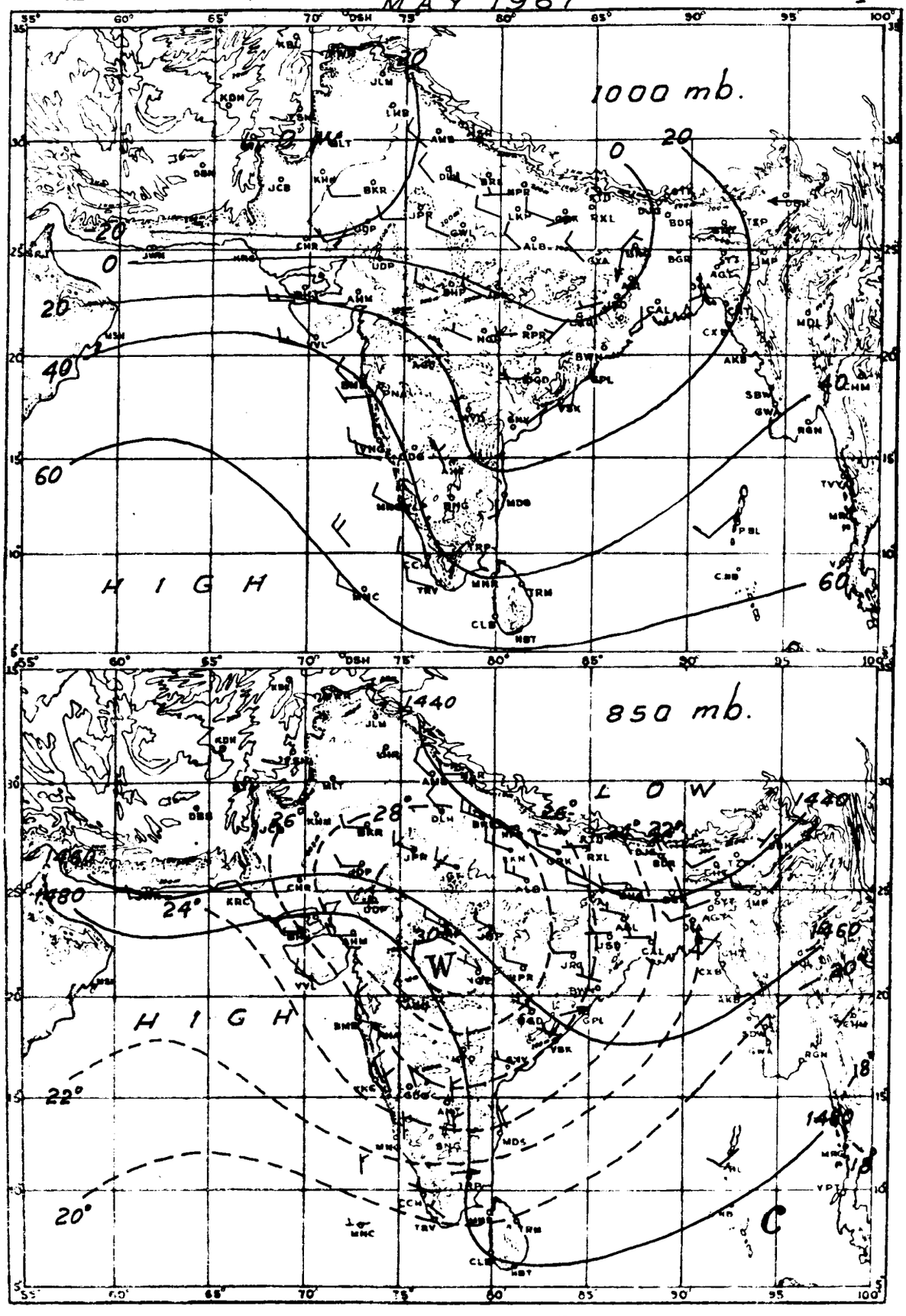
STANDARD PRESSURE SURFACE MB	MINICOY SURFACE PR (1006 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NAGPUR/SONEGAON (965 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NEW DELHI/SAFDARJUNG (976 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00002	302.9	305	298	297.9	31	00311	313.7	317	309	292.2	31	00209	310.6	316	307	284.5
1000	31	00060	302.0	305	297	297.0	31	00016					31	-0009				
900	31	00986	295.2	298	292	290.7	31	00952	307.5	313	303	285.0	31	00946	305.2	313	300	277.6
850	31	01482	292.9	296	289	286.6	31	01464	302.9	307	297	281.1	31	01455	300.9	308	295	274.8
800	31	02004	290.9	297	286	283.7	31	01999	297.5	303	290	279.4	31	01986	296.2	304	290	274.3
700	31	03132	284.4	288	281	277.3	31	03146	287.1	294	280	275.2	31	03126	285.8	294	279	268.8
600	31	04402	276.2	281	271	268.9	31	04423	276.5	282	273	266.9	31	04394	275.3	283	271	259.1
500	31	05861	268.7	273	265		31	05878	267.5	272	263		31	05839	265.6	272	259	
400	31	07580	257.8	263	252		31	07592	256.7	263	250		31	07540	254.4	261	250	
300	30	09701	243.4	249	239		30	09694	241.6	251	232		31	09620	240.2	249	235	
250	29	10976	234.0	240	227		29	10954	232.9	238	225		30	10878	233.6	239	229	
200	26	12467	222.2	226	216		29	12440	221.5	226	213		30	12378	225.0	231	220	
175	27	13309	215.2	221	209		26	13294	215.9	221	209		29	13250	220.5	227	215	
150	27	14279	208.9	215	203		25	14310	209.6	218	202		29	14234	215.6	222	209	
125	26	15400	201.9	209	195		22	15363	204.2	211	195		28	15370	209.8	215	203	
100	22	16680	197.8	203	191		15	16735	200.1	207	193		28	16726	205.2	212	196	
80	15	18000	201.0	207	195		08	18074	202.0	208	199		22	18048	205.7	213	197	
70	13	18743	204.7	210	201		06	18852	203.2	209	202		17	18860	208.4	216	201	
60	13	19722	207.5	216	200								16	19799	212.2	221	205	
50	10	20787	208.3	215	201								12	20925	216.0	223	209	
40	05	22260	209.6	213	204								07	22363	220.3	223	215	
30																		
3320																		
10																		

STANDARD PRESSURE SURFACE MB	PORT BLAIR SURFACE PR (997 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	SRINAGAR (837 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	TRIVENDRUM (998 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00079	300.1	303	296	297.4	31	01588	293.9	301	285	282.5	31	00064	302.4	305	298	297.7
1000	31	00049					31	00035					31	00049	302.3	303	302	297.8
900	28	00975	294.8	299	291	292.0	31	00963					31	00984	295.8	299	291	291.6
850	28	01466	292.2	295	289	289.0	31	01459					31	01480	293.1	295	289	289.1
800	28	01992	289.3	291	287	285.2	31	01982	290.9	301	282	277.1	31	02002	290.5	294	287	285.5
700	28	03111	283.5	287	280	277.8	31	03105	282.5	293	275	270.4	31	03135	284.9	289	280	276.9
600	28	04378	276.7	281	273	271.5	31	04329	269.3	283	266	266.9	31	04412	277.3	282	273	269.0
500	28	05835	268.5	274	265		30	05794	263.6	268	256		31	05874	269.0	274	266	
400	28	07551	258.3	261	255		29	07466	250.0	259	244		31	07606	258.9	264	256	
300	27	09678	244.2	249	240		29	09522	235.4	243	229		31	09729	243.7	248	240	
250	26	10953	235.0	239	231		28	10771	229.8	237	220		31	11009	234.6	240	229	
200	26	12460	222.9	231	217		28	12260	224.8	232	215		31	12510	221.0	228	215	
175	24	13328	217.1	222	211		27	13026	222.7	231	215		29	13336	215.3	222	209	
150	22	14299	210.3	217	203		27	14115	219.9	227	213		29	14316	208.7	216	203	
125	17	15407	202.2	207	195		24	15278	217.0	224	206		23	15393	202.9	209	198	
100	13	16720	196.9	201	192		22	16683	212.9	218	204		22	16725	198.1	206	190	
80	09	18037	197.9	205	194		20	18082	212.8	217	205		11	18044	202.5	210	198	
70	09	18821	201.4	207	194		18	18926	213.4	218	207		09	18828	204.0	208	199	
60	06	19758	204.2	207	198		13	19890	215.9	223	209		07	19717	206.7	211	201	
50							09	21094	220.5	229	215		05	20735	208.6	214	204	
40							08	22572	224.0	231	214							
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	VISAKHAPATNAM SURFACE PR (997 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00041	304.8	307	302	299.6												
1000	31	00018	304.0	306	302	298.5												
900	31	00957	301.0	307	295	290.7												
850	31	01463	298.8	305	293	286.8												
800	31	01974	295.2	302	289	282.6												
700	31	03133	286.2	293	281	277.0												
600	31	04410	276.4	284	273	270.0												
500	31	05869	268.6	273	263													
400	31	07588	257.4	263	247													
300	29	09714	242.9	251	229													
250	29	10986	234.2	242	222													
200	29	12487	223.1	230	217													
175	27	13322	217.0	221	211													
150	26	14310	210.9	215	205													
125	19	15420	205.4	210	199													
100	16	16767	201.4	207	195													
80	12	18016	202.4	209	199													
70	12	18869	205.2	211	201													
60	07	19835	210.1	215	204													
50																		
40																		
30																		
20																		
10																		

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I. Met. D. MAY 1967 *Plate I*



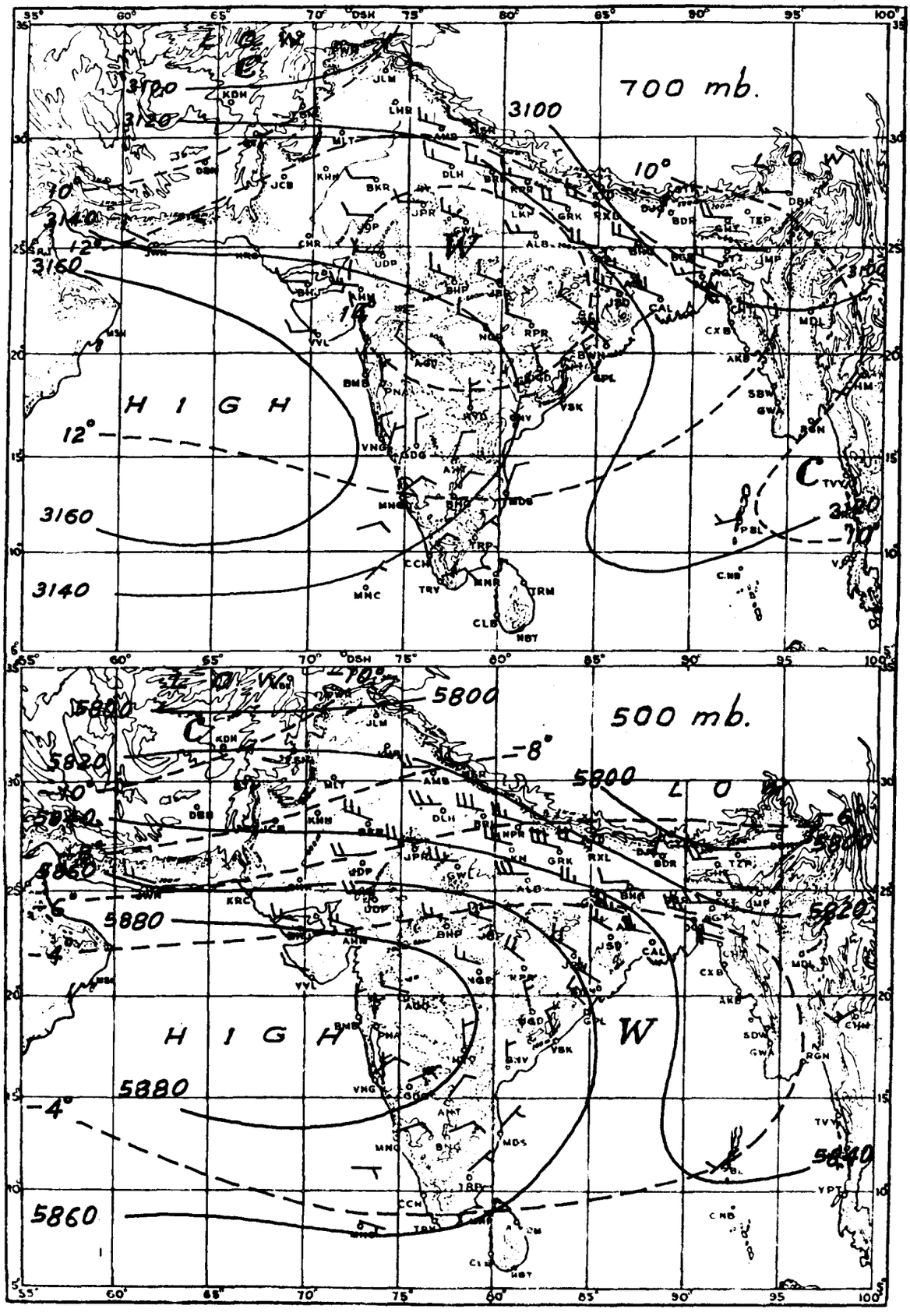
RESULTANT WIND — 5 Knots. — 10 Knots. — 50 Knots.

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

MONTHLY MEAN CONSTANT PRESSURE CHARTS

MAY 1967

I. Met. D. *Plate II*



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

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

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METEOROLOGICAL DEPARTMENT

भारतीय मौसम पुनरीक्षण

INDIA WEATHER REVIEW

1967

मासिक मौसम रिपोर्ट

MONTHLY WEATHER REPORT

जून

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INDIA WEATHER REVIEW, 1967

Monthly Weather Report

JUNE

MONTHLY WEATHER REPORT

FOR

JUNE - 1967

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** ** ** **

MEANING OF SYMBOLS AND ABBREVIATIONS IN TABLES

II AND III

Symbol/Abbreviation	Meaning
(a)	Mean/total for 30 days.
(b)	Mean/total for 29 days.
(c)	Mean/total for 28 days.
(d)	Mean/total for 27 days.
(e)	Mean/total for 26 days.
(f)	Mean/total for 25 days.
(g)	Mean/total for 24 days.
(h)	Mean/total for 23 days.
(i)	Mean/total for 22 days.
(j)	Mean/total for 21 days.
(k)	Mean/total for 20 days.
(l)	Mean/total for 19 days.
(m)	Mean/total for 18 days.
(n)	Mean/total for 17 days.
(o)	Mean/total for 16 days.
(p)	Mean/total for 15 days.
(q)	Mean/total for 14 days.
*	Closed during winter months.
(R)	Register not received, hence data not available.
#	Data for less than 15 days, hence no means published.
ds	Days.
@	Data rejected.
D.N.	Data not available.
E	Estimated.
H	Provisional height.

INDIA WEATHER REVIEW, 1967
Monthly Weather Report
JUNE

Chief features :

i) Revival of the monsoon activity over Kerala at the beginning of the second week and its further extension to cover the country outside the Punjab, Haryana and west Rajasthan by the end of the month;

ii) Spells of good rainfall over most parts of the country;

iii) Formation and movement of a Bay depression towards the end of the month;

iv) Movement of two western disturbances across northwest India; and

v) Moderate to severe heat wave over Bihar State, Gangetic West Bengal, Orissa and parts of Andhra Pradesh during the first week.

The monsoon which had been weak over Kerala during the last week of May continued to be so during the first week of June. The Madras State, however, received fairly good rainfall with Coimbatore and Salem reporting 7 cm of rain each on 1st. The monsoon activity over Kerala revived by 8th and the monsoon continued to be strong there till 12th. Alleppey recorded 13 cm of rain on 10th and Fort Cochin 11 cm on 10th and 12 cm on 12th. A trough of low pressure developed over the central parts of the Arabian Sea by 10th. It shifted slowly northwards to the north Arabian Sea where it became unimportant by 16th. Under its influence, the monsoon advanced as a feeble current along the west coast upto Surat by 17th and also covered practically the entire Peninsula. Strengthening later, the monsoon advanced into the Gujarat State in the course of the next two days. Some of the heavy rainfalls recorded were : Parbhani 13 cm, Devgarh 11 cm and Harnai 10 cm on 17th, Ahmadabad 10 cm on 18th and Vallabh Vidyanagar 13 cm and Bombay (Santacruz) and Veraval 10 cm each on 19th.

There was fairly good thundershower activity over Assam and Sub-Himalayan West Bengal during the first week. It was followed by the advance of the monsoon into these areas by 7th. The monsoon later advanced slowly into Gangetic West Bengal by 10th and as a weak current into Bihar State by 18th. Bagbdogra recorded 22 cm of rain on 19th, Cooch Behar 30 cm on 20th and Majbat 22 cm and Jalpaiguri 21 cm on 21st.

Two western disturbances affected northwest India during the first and third weeks respectively. The first western disturbance appeared over the northern parts of West Pakistan on 3rd. It moved away eastwards across the Western Himalayas by 5th. Under its influence, light thundershowers occurred over the Western Himalayas on two days. Strong pressure gradient also prevailed over south Rajasthan, North Gujarat State and adjoining west Madhya Pradesh during the first week causing dust-raising winds there. The second western disturbance lay over West Pakistan on 15th. It was quite active and moved away eastnortheastwards across the the Western Himalayas by 18th. In association with it, there was pronounced incursion of moist air from the Arabian Sea leading to a spell of good thundershowers over northwest India and adjoining areas. Dharchula recorded 13 cm of rain on 15th.

A low pressure area formed over the Bay of Bengal off the south Orissa coast on 22nd. It persisted there the next day. Moving inland on 24th, it weakened off. Simultaneously a trough of low pressure developed over the north and adjoining central Arabian Sea on 20th. Shifting eastwards it persisted as an upper air cyclonic circulation over Saurashtra and Kutch till 24th. Under the influence of these two systems, there was good monsoon activity over the Peninsula, Gujarat State, the central parts of the country and northeast India. The monsoon also extended to Uttar Pradesh, east Rajasthan and Himachal Pradesh during the period 24th - 28th. Another well marked low pressure area formed over the northwest and adjoining west central Bay of Bengal on 28th and concentrated into a depression by the next morning with centre about 100 kms southeast of Chandbali. Moving northwestwards it crossed the north Orissa coast near Chandbali by the same evening and weakened into a low pressure area. It lay over northeast Orissa and adjoining Gangetic West Bengal and Bihar Plateau on the last day of the month. Under its influence the monsoon activity continued to be good. Some of the heavy rainfalls recorded were : Nander 13 cm and Devgarh 10 cm on 22nd, Devgarh 11 cm on 23rd, Goa 12 cm and Cooch Behar

11 cm on 24th, Jalpaiguri 21 cm on 25th, Ratnagiri 14 cm on 26th, Ratnagiri and Gonda 15 cm each and Balraich 12 cm on 28th, Mercara 13 cm and Honavar and Harnai 12 cm each on 29th and Mercara 13 cm and Calicut 11 cm on 30th.

A moderate to severe heat wave affected Bihar State, Orissa and parts of Andhra Pradesh and Uttar Pradesh during the first week. According to press reports, Vijayavada touched 50°C on 1st and 2nd, the highest in recent years. A few deaths were reported from Bihar State. Day temperatures were also above normal during the first week over the rest of the country outside Assam, Sub-Himalayan West Bengal, south Rajasthan and Gujarat State where they were nearly normal. They continued to be above normal over Uttar Pradesh, the central parts of the country, the Peninsula and northeast India during the second week and over most parts of north India during the last week. Day temperatures were below normal over north Peninsula during the last ten days of the month.

Rainfall was in large excess in West Uttar Pradesh, Himachal Pradesh, Rajasthan, Gujarat Region, Saurashtra and Kutch and Madras State, in moderate excess in Sub-Himalayan West Bengal and in slight excess in Konkan and Interior Mysore (South). It was in slight defect in North Assam, Orissa, Uttar Pradesh, East, Madhya Pradesh east, Madhya Maharashtra, Vidarbha and Coastal Mysore; in moderate defect in Bay Islands, South Assam, Gangetic West Bengal, Bihar Plateau and Jammu and Kashmir and in large defect in Bihar Plains, Haryana (including Delhi and Chandigarh) and Punjab. It was normal over the rest of the country.

Mean maximum temperature was above normal in Gangetic West Bengal, Orissa, Bihar, Uttar Pradesh, Madhya Pradesh East and Interior Mysore. It was normal over the rest of the country.

Mean minimum temperature was below normal in North Assam and Rajasthan, East. It was normal over the rest of the country.

Mean Relative Humidity in the morning was above normal in Madras State; below normal in Bihar Plateau, Uttar Pradesh East, and Marathwada and normal over the rest of the country.

Mean Relative Humidity in the evening was below normal in Bihar, Uttar Pradesh East, Marathwada and Interior Mysore south. It was normal over the rest of the country.

Mean cloud amount in the morning was above normal in Himachal Pradesh; it was below normal in Bihar Plains, Uttar Pradesh East, and Jammu and Kashmir. It was normal over the rest of the country.

Mean cloud amount in the evening was below normal in Bihar Plains, Punjab and Jammu and Kashmir. It was normal over the rest of the country.

Table I contains the divisional and sub-divisional means of rainfall, temperature, humidity and cloud amount for the 17 chief political divisions and the 33 sub-divisions. The stations whose observations are used for preparing these means are given in the subsequent tables.

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

Poona-5.

the 12th August, 1967

R. ANANTHAKRISHNAN,

for Director General of Observatories.

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS - JUNE ,1967JYAISTHA 11 - ASADHA 9,1889 SAKA)

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1.ASSAM(INCLUDING.	367.0	77	30.8	22.7	87	80	6.5	5.4
NEFA,N.L.ETC) .	-109.0		-0.3	-1.1	+ 2	0	-0.2	-0.5
2.WEST BENGAL .	310.1	92	34.9	25.4	78	70	5.3	5.0
.	- 28.2		+1.2	-0.5	- 2	- 5	-0.6	-0.9
3.ORISSA .	180.0	88	36.7	26.2	71	64	4.9	5.3
.	- 24.0		+1.7	+0.1	- 3	- 4	-0.7	-0.7
4.BIHAR .	77.7	41	37.8	26.1	65	52	4.4	4.3
.	-110.9		+2.0	-0.2	- 6	- 9	-0.8	-1.1
5.UTTAR PRADESH .	118.3	116	39.8	26.9	54	38	2.4	2.8
.	+ 16.7		+1.4	-0.1	- 5	- 6	-0.9	-0.5
6.HARYANA(INCLU. .	27.7	48	40.8	27.8	49	32	2.0	1.8
DELHI CHANDIGARH).	- 29.6		+0.6	+0.5	- 1	0	0.0	-0.1
7.PUNJAB .	20.6	48	41.7	26.3	44	26	1.8	1.3
.	- 22.4		+0.8	-0.2	- 4	- 5	-0.1	-0.4
8.HIMACHAL .	158.3	185	37.3	22.7	60	37	3.2	3.3
PRADESH .	+ 72.6		-0.1	+0.5	+ 5	- 1	+0.8	-0.1
9.JAMMU AND .	34.2	71	27.9	13.2	52	32	2.0	2.7
KASHMIR .	- 14.0		+0.3	-0.7	- 3	- 3	-0.6	-1.0
SUB-DIVISION								
SUB-DIVISION								
1.BAY ISLANDS .	307.0	67	30.3	24.2	83	85	6.0	5.9
.	-151.7		+0.6	-0.5	- 1	- 1	-0.3	-0.8
2.NORTH ASSAM .	369.5	83	31.0	22.9	88	82	6.5	5.3
(INCLUDING NEFA) .	- 77.7		-0.4	-1.3	+ 3	+ 2	-0.2	-0.4
3.SOUTH ASSAM .	361.1	66	30.4	22.3	84	78	6.4	5.8
(INCL.N.L.AND ETC).	-184.9		+0.1	-0.7	- 1	- 3	-0.4	-0.5
4.SUB-HIMALAYAN .	813.9	136	31.7	23.6	85	75	6.6	4.9
WEST BENGAL .	+214.1		+0.1	-1.0	+ 1	- 3	+0.3	-0.7
5.GANGETIC WEST- .	142.2	57	36.0	26.0	75	69	4.9	5.1
BENGAL .	-109.0		+1.6	-0.4	- 3	- 5	-0.8	-1.0
6.ORISSA .	180.0	88	36.7	26.2	71	64	4.9	5.3
.	- 24.0		+1.7	+0.1	- 3	- 4	-0.7	-0.7
7.BIHAR PLATEAU .	100.9	52	38.2	25.9	61	49	4.7	5.6
.	- 93.0		+2.3	-0.2	- 7	-11	-0.6	-0.9
8.BIHAR PLAINS .	63.5	34	37.5	26.2	68	54	4.1	3.3
.	-121.9		+1.8	-0.3	- 5	- 8	-1.1	-1.4
9.UTTAR PRADESH .	90.9	85	40.3	27.5	56	39	2.6	2.8
(EAST) .	- 16.2		+1.6	-0.2	- 7	- 8	-1.2	-0.6
10.UTTAR PRADESH .	154.9	165	39.2	26.1	51	38	2.3	2.7
(WEST) .	+ 60.8		+1.2	-0.1	- 3	- 2	-0.4	-0.4
11.HARYANA(INCLU. .	27.7	48	40.8	27.8	49	32	2.0	1.8
DELHI CHANDIGARH).	- 29.6		+0.6	+0.5	- 1	0	0.0	-0.1
12.PUNJAB .	20.6	48	41.7	26.3	44	26	1.8	1.3
.	- 22.4		+0.8	-0.2	- 4	- 5	-0.1	-0.4
13.HIMACHAL .	158.3	185	37.3	22.7	60	37	3.2	3.3
PRADESH .	+ 72.6		-0.1	+0.5	+ 5	- 1	+0.8	-0.1
14.JAMMU AND KASH- .	34.2	71	27.9	13.2	52	32	2.0	2.7
-MIR .	- 14.0		+0.3	-0.7	- 3	- 3	-0.6	-1.0
15.RAJASTHAN(WEST).	40.5	163	40.7	27.1	61	34	1.7	2.3
.	+ 15.6		+0.1	-1.0	+ 2	+ 1	0.0	+0.3
16.RAJASTHAN(EAST).	78.4	159	39.7	27.2	58	39	2.4	2.9
.	+ 29.1		-0.1	-1.1	+ 5	+ 2	0.0	-0.6
17.MADHYA PRADESH .	127.9	104	37.8	25.7	63	45	4.0	4.7
(WEST) .	+ 5.2		+0.4	-0.6	0	0	-0.3	-0.3

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
10.RAJASTHAN .	60.4	160	40.2	27.1	59	37	2.1	2.6
.	+ 22.6		0.0	-1.1	+ 3	+ 2	0.0	-0.2
11.MADHYA PRADESH .	129.8	93	38.0	26.2	62	47	4.2	5.0
.	- 10.4		+0.7	-0.2	0	0	-0.3	-0.3
12.GUJARAT STATE .	130.2	161	35.3	26.2	80	62	4.6	3.9
(INCLU.DIU ETC).	+ 49.4		-0.5	-0.9	+ 3	+ 3	0.0	-0.1
13.MAHARASHTRA .	317.2	106	34.7	24.6	73	57	5.1	5.4
STATE(INCL.GOA).	+ 18.7		+0.5	-0.3	- 2	- 2	-0.2	-0.3
14.ANDHRA PRADESH .	113.7	106	36.5	26.5	67	52	5.2	5.6
.	+ 6.6		+0.5	0.0	- 1	- 1	-0.5	-0.4
15.MADRAS STATE .	63.9	166	35.1	25.1	71	62	5.3	6.0
(INCL.PONDICH.).	+ 25.5		0.0	-0.8	+ 6	+ 5	0.0	+0.1
16.MYSORE .	266.9	89	31.7	22.1	81	62	6.1	6.3
.	- 33.9		+1.5	+0.1	- 1	- 5	-0.2	-0.2
17.KERALA .	554.4	98	30.2	23.6	88	80	6.9	7.0
.	- 14.0		+0.7	-0.1	- 1	- 2	+0.2	+0.1
SUB-DIVISION								
SUB-DIVISION(CONTD)								
18.MADHYA PRADESH .	132.5	81	38.3	26.8	60	50	4.4	5.5
(EAST) .	- 31.1		+1.2	+0.3	0	+ 1	-0.4	-0.2
19.GUJARAT REGION .	156.4	167	36.6	25.8	77	51	4.8	3.4
(INCL.DAMAN ETC).	+ 62.7		-0.5	-0.9	+ 2	+ 1	0.0	-0.2
20.SAURASHTRAKUTCH.	114.1	157	34.4	26.5	81	68	4.6	4.3
(INCLUDING DIU) .	+ 41.2		-0.4	-0.9	+ 4	+ 4	0.0	0.0
21.KONKAN .	810.5	120	31.0	25.1	85	81	6.2	6.0
(INCLUDING GOA).	+135.2		+0.3	-0.4	+ 1	+ 1	0.0	-0.1
22.MADHYA- .	142.6	84	35.2	23.2	73	51	4.6	5.1
-MAHARASHTRA .	- 26.3		+1.0	-0.3	- 1	- 4	-0.4	-0.5
23.MARATHWADA .	139.6	96	36.2	23.3	63	42	4.6	5.9
.	- 6.5		+0.8	-0.3	-11	- 8	-0.2	0.0
24.VIDARBHA .	151.3	88	37.5	26.0	65	47	4.7	5.3
.	- 21.4		+0.2	-0.2	- 1	0	-0.3	-0.3
25.COASTAL ANDHRA .	110.1	109	36.7	27.2	71	60	5.3	5.5
-PRADESH .	+ 9.0		+0.4	-0.2	+ 1	0	-0.4	-0.4
26.TELANGANA .	148.2	106	36.8	26.2	63	46	5.0	5.6
.	+ 8.5		+0.5	0.0	- 3	- 2	-0.5	-0.3
27.RAYALASEEMA .	61.4	97	35.8	25.3	66	45	5.3	5.9
.	- 2.0		+1.0	+0.5	- 1	- 3	-0.6	-0.4
28.MADRAS STATE .	63.9	166	35.1	25.1	71	62	5.3	6.0
(INCL.PONDICH.).	+ 25.5		0.0	-0.8	+ 6	+ 5	0.0	+0.1
29.COASTAL MYSORE .	814.2	82	30.1	24.0	89	80	7.0	6.7
.	-178.5		+0.8	0.0	0	- 5	0.0	-0.4
30.INTERIOR MYSORE.	107.8	94	33.8	22.9	75	55	6.0	6.5
(NORTH) .	- 7.3		+1.8	+0.6	- 4	- 5	+0.3	+0.4
31.INTERIOR MYSORE.	132.4	113	30.7	20.5	81	58	5.7	6.0
(SOUTH) .	+ 15.1		+1.6	-0.2	0	- 7	-0.7	-0.5
32.KERALA .	554.4	98	30.2	23.6	88	80	6.9	7.0
.	- 14.0		+0.7	-0.1	- 1	- 2	+0.2	+0.1
33.ARABIAN SEA- .	370.2	107	30.4	25.0	83	77	7.0	7.4
ISLANDS .	+ 25.3		+0.3	-0.6	+ 2	- 3	+0.3	+0.3

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

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – JUNE 1967 (JYAISTHA 11 - ASADHA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation: 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
BAY ISLANDS																												
MAYA BANDAR	30.7	+1.3	32.4	18	24.7	+0.3	21.7	04	83.2	352.2	-228.2	65.4	29	14	- 7.4	19.9	16.1	+3.9	1	19	0	0	1	0	0	0	0	0
LONG ISLAND	30.7	+0.4	32.6	18	24.5	-0.2	18.4	05	06.4	357.8	-162.4	86.4	27	19	- 0.9	10.5	7.7	+4.3	0	23	0	0	0	0	0	0	0	0
PORT BLAIR	30.0	+0.9	31.9	19	24.3	+0.1	21.5	04	77.8	372.3	-196.2	90.8	24	15	- 6.2	21.4	16.2	-3.6	0	22	0	0	3	0	0	0	2	0
CAR NICOBAR	30.8	+0.6	31.9	02	22.9	-2.0	20.4	13	91.4	280.2	-116.6	48.6	22	15	- 2.8	7.1	5.2	-0.6	0	17	0	0	2	0	0	0	0	0
NAN COWRY	30.3	+0.9	33.6	17	24.9	-0.3	22.2	22	105.5	260.6	- 35.5	44.0	25	14	- 2.0	9.6	8.3[b]	-3.5	0	17	0	0	3	0	0	0	0	0
KONDUL	29.5	0.0	31.2	18	23.8	-1.2	21.6	23	85.0	218.6	-171.8	45.0	19	11	- 6.9	11.3	9.0	-1.1	0	16	0	0	9	0	0	0	0	0
NORTH ASSAM (INCLUDING NEFA)																												
PASIGHAT	29.0	-1.7	32.8	05	22.8	-0.5	20.0	11	212.2	508.8	-303.0	78.6	26	21	+ 2.1	5.2	5.4	0.0	1	23	0	0	5	0	0	0	0	0
DIBRUGARH (MOHANBARI)	30.1	-0.8	33.7	28	23.4	-0.6	20.4	11	99.1	409.9	- 56.6	50.1	28	21	+ 2.9	6.3	4.4	+0.2	1	25	0	0	16	0	0	0	0	0
DIGBOI	31.4[k]	+0.1	..	..	23.0[k]	-1.0	..	..	99.9[k]	210.2[k]	..	..	..	..	..	..	..	..	.	..	0	0	0	0	0	0	0	0
NORTH LAKHIMPUR	29.7	-0.4	33.1	02	22.5	-1.5	19.9	11	147.5	582.0	- 30.0	78.5	07	23	+ 2.6	7.2	5.5	..	1	29	0	0	14	0	0	0	0	0
SIBSAGAR	31.0	-0.5	35.2	01	..	..	..	..	59.7	467.5	+ 55.0	54.5	30	18	+ 0.2	5.9	5.7	0.0	0	22	0	0	19	0	0	0	0	0
GOHPUR	30.4	-1.9	34.9	01	23.0	-0.9	20.5	11	85.7	621.1	+351.4	58.0	18	26	+14.3	5.3	4.1	..	1	27	0	0	0	0	0	0	0	0
MAJBAT	31.0	..	35.4	22	23.2	..	20.9	11	43.7	303.8[b]	..	..	..	..	..	..	..	..	.	..	0	0	0	0	0	0	0	0
JORHAT AERODROME	31.1	..	34.7	02	23.6	..	19.1	03	138.6	366.6	..	62.2	26	23	..	..	..	..	0	26	0	0	19	0	0	0	0	0
TANGLA	31.3	-0.6	34.1	03	21.9	-2.4	19.0	12	97.5	372.8	-149.3	48.2	16	14	- 0.8	6.2	4.9	+2.9	0	14	0	0	0	0	0	0	0	0
TEZPUR	31.2	-0.4	34.9	18	24.0	-0.7	21.0	07	46.1	408.0	+103.7	78.4	08	16	- 0.3	6.0	4.4	+1.6	0	21	0	0	5	0	0	0	0	0
GOLAGHAT	31.1	-0.7	35.6	01	21.5	-2.5	17.9	11	..	249.2	+ 31.9	34.8	14	17	+ 2.3	..	..	..	0	25	0	0	0	0	0	0	0	0
RANGIA	31.8	-0.2	35.7	29	24.6	+0.9	21.6	11	42.0[e]	373.3[e]	..	..	..	..	..	5.9[f]	4.4[e]	..	.	..	0	0	0	0	0	0	0	0
CHAPARMUKH	32.0	-0.1	36.0	01	20.3	-4.5	17.0	07	96.4	183.8[e]	..	..	..	..	..	6.1[d]	4.7[e]	..	.	..	0	0	14	0	0	0	0	0
GOALPARA	31.3	0.0	35.1	29	22.3	-1.7	20.4	15	200.9	425.5	-105.9	44.5	15	20	+ 1.0	4.4	4.7	+1.9	1	24	0	0	0	0	0	0	0	0
GAUHATI (BHORJOR)	31.0	-0.2	34.4	29	24.2	-0.7	21.6	06	17.5	124.4	-241.0	23.3	05	14	- 2.3	5.9	4.5	..	2	18	0	0	15	0	0	0	2	0
DHUBRI (RUPSI)	30.9	-0.5	34.1	29	23.6	-0.7	20.7	07	163.3	482.0	- 80.8	86.5	15	23	+ 8.3	9.5	7.5	+3.1	0	25	0	0	20	0	0	0	0	0
DHUBRI	30.7	+0.9	34.4	24	23.4	-1.2	20.4	06	101.9	476.5	-165.9	89.0	30	19	+ 0.9	8.1	9.3[b]	+2.5	0	23	0	0	16	0	0	0	0	0
LUMDING	33.2	+0.7	37.0	01	23.6	-0.6	20.2	04	61.1	81.9	-155.1	19.4	10	9	- 4.6	5.6	3.5	..	0	13	0	0	0	0	0	0	0	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																												
TURA	29.7	+0.4	31.9	02	23.6	+0.9	20.6	08	96.0	402.0	-336.8	83.2	21	16	- 5.6	8.3	7.9	+1.5	1	19	0	0	0	0	0	0	0	0
HAFLONG	30.2	+2.6	32.2	29	19.6	-1.6	17.5	13	113.7	260.1	-225.9	49.2	13	18	- 0.8	..	..	..	0	23	0	0	2	0	0	0	0	0
SILCHAR (KUMBHIRGRAM)	30.6	-1.0	34.5	01	23.2	-0.7	20.7	15	147.1	553.3	-125.4	61.5	24	23	+ 2.3	6.3	5.7	-0.2	0	28	0	0	22	0	0	0	0	0
SILCHAR	29.3	-2.0	33.5	03	..	..	..	..	182.9	522.7	- 91.5	103.4	09	23	+ 1.4	2.6	1.6	-0.3	0	29	0	0	20	0	0	0	0	0
IMPHAL (TULIHAL)	29.3	+0.6	32.3	03	19.9	-1.3	17.4	10	60.0	222.3	- 56.0	64.5	30	16	+ 1.0	9.8	6.4	-0.5	1	21	0	0	8	0	0	0	0	0
KAILASHAHAR	31.7	-0.1	35.7	01	23.5	-0.8	20.7	12	174.3	266.6	-317.8	85.6	12	15	- 4.3	6.4	4.4	+0.1	2	24	0	0	25	0	0	0	0	0
AGARTALA	32.3	+0.8	34.6	29	23.8	-0.9	19.6	07	123.1	300.5	-141.4	64.8	09	12	- 5.9	11.6	9.2	-0.4	1	14	0	0	16	0	0	0	2	0
SUB-HIMALAYAN WEST BENGAL																												
BAGHDOGRA	30.7	-0.6	33.5	29	23.2	-0.8	21.4	12	191.8	1129.8	+501.2	221.8	19	23	+ 2.9	11.9	11.1	+3.4	0	26	0	0	22	0	0	0	0	0
JALPAIGURI	30.0	-0.6	33.1	30	22.7	-1.6	20.8	11	33.0	903.6[b]	..	..	..	..	..	7.9	7.2	0.0	.	..	0	0	11	0	0	0	0	0
COOCH BEHAR AERODROME	30.3	-0.7	33.6	29	22.5	-1.8	19.7	07	174.2	1107.5	+273.6	301.4	20	25	+ 5.2	6.1	4.5	-0.7	0	26	0	0	22	0	0	0	1	0
BALURGHAT	33.4	..	37.2	02	24.8	..	20.4	09	43.5	280.7	..	98.2	11	7	..	7.2[b]	7.2	..	0	7	0	0	0	0	0	0	0	0
MALDA	35.8	+2.2	41.3	03	26.0	+0.2	22.6	09	33.4	114.6	-138.1	63.4	18	6	- 5.3	4.8	4.1	-4.3	1	10	0	0	12	0	0	0	0	0
GANGETIC WEST BENGAL																												
BERHAMPORE	35.7	+1.2	43.9	03	25.6	-0.4	21.8	15	67.0	95.2	-148.9	57.0	18	7	- 5.7	6.6	5.5[b]	-0.4	1	10	0	0	4	0	0	0	0	0
SURI	37.6	+2.3	46.4	04	27.1	+1.1	19.4	08	..	122.7	- 55.0	61.8	18	5	- 5.7	.	8.0	-2.3	0	. 8	0	0	6	0	0	0	0	0
ASANSOL	39.1	+3.0	46.1	04	26.7	+0.3	23.8	18	18.8	70.4	-172.4	54.2	18	3	- 8.7	10.3	8.3	-0.3	1	7	0	0	10	0	0	0	0	0
SHANTI NIKETAN	37.2	..	45.6	03	26.2	..	23.0	18	35.0	170.2	..	82.8	18	9	..	11.3	7.5	..	1	13	0	0	15	0	0	0	0	0
KRISHNANAGAR	35.8	+1.5	40.8	05	23.5	-2.5	19.0	13	73.6	184.6	- 76.8	70.2	18	8	- 5.0	9.3	9.7	+1.7	0	13	0	0	11	0	0	0	0	0
PURULIA	38.6	+2.3	44.9	03	25.6	-0.5	21.3	10	36.5	126.7	- 66.7	64.0	18	5	- 5.8	8.9	7.5	+0.4	1	9	0	0	8	0	0	0	0	0
BANKURA	39.1	..	46.5	04	25.2	..	19.4	10	61.8	123.3	-134.5	28.5	19	11	- 0.1	..	..	..	0	14	0	0	4	0	0	0	0	0
BURDWAN	37.0	+2.2	44.3	03	25.2	-0.9	21.6	06	113.5	186.8	- 70.0	45.5	12	9	- 3.0	13.5	10.9	+2.8	0	10	0	0	3	0	0	0	0	0
CALCUTTA (DUM DUM)	34.9	+1.1	39.2	04	26.4	+0.2	22.4	12	186.8	247.0	- 8.9	81.5	20	12	+ 0.3	14.1	12.0	-0.4	0	12	0	0	17	0	0	0	1	0
CALCUTTA	35.2	+1.1	39.8	04	26.8	+0.1	22.5	10	65.8	102.6	-187.5	21.6	12	7	- 5.9	11.3	9.7	+3.0	1	14	0	0	15	0	0	0	5	0
MIDNAPORE	37.1	+1.8	45.9	04	26.5	0.0	23.4	15	132.0	200.5	- 51.7	52.4	18	12	+ 0.1	6.8	5.6	-1.1	1	15	0	0	10	0	0	0	0	0
CONTAI	33.4	+0.9	37.2	07	24.8	-1.7	19.2	15	8.3	124.3	-154.8	52.0	15	7	- 4.5	18.2	14.2	+0.3	0	7	0	0	0	0	0	0	0	0
SAGAR ISLAND	32.0	+0.3	33.8	08	27.7	+0.3	22.9	10	33.2	122.3	-180.7	28.2	10	9	- 2.9	27.3	26.9	+1.5	2	11	0	0	4	0	0	0	0	0
SANDHEADS	31.6	..	33.1	05	28.7	..	26.4	25	1.2	24.4	-165.9	17.0	10	2	- 7.4	..	..	..	0	6	0	0	0	0	0	0	0	0
ORISSA																												
BARIPADA	37.6	+1.9	46.9	03	25.6	-0.6	21.5	15	118.8	161.5	- 67.8	44.4	21	13	+ 1.2	5.0	3.6	+0.2	0	14	0	0	21	0	0	0	0	0
JHARSUGUDA	39.2	+1.7	46.1	02	27.0	+0.4	22.4	30	34.0	135.7	- 86.4	62.8	20	7	- 3.5	11.0	8.2	-1.8	2	8	0	0	12	0	1	0	0	0
KEONJHARGARH	35.8	+1.3	42.9	05	25.9	+1.4	16.2	13	52.4	197.5	+ 20.6	63.0	18	7	- 4.4	8.7	7.0	-0.9	0	14	0	0	0	0	0	0	0	0
BALASORE	36.3	+2.0	44.5	05	26.3	-0.3	21.4	15	8.8	131.7	- 80.1	31.6	27	9	- 2.1	14.4	10.9	+0.3	0	12	0	0	0	0	0	0	0	0
SAMBALPUR	39.8	+2.6	45.1	03	26.2	-0.7	21.3	20	109.5[d]	166.2[e]	- 72.1	..	..	..	..	7.9	6.1	-1.9	.	..	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JUNE 1967 (JYAISTHA 11 - ASADHA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.5 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
ORISSA (CONTD.)																												
ANGUL	38.4	+2.1	47.2	15	..	..	..	..	109.2	158.2	- 41.4	36.2	24	8	- 3.4	7.1	8.3	-0.8	0	11	0	0	10	0	0	0	0	0
CHANDBALI	36.7	+2.4	46.4	05	26.7	+0.4	22.0	15	34.6	128.8	- 65.8	83.4	15	8	- 1.7	13.9	10.7	-2.1	0	8	0	0	3	0	0	0	0	0
BOLANGIR	38.8	+1.3	46.0	03	27.3	+1.1	22.3	18	12.2	255.8	+ 78.8	100.6	30	8	- 1.0	8.7	8.4	-1.9	0	11	0	0	0	0	0	0	0	0
PHULBANI	35.9	..	43.0	03	23.4	..	20.7	04	94.2	196.0	..	46.6	30	13	..	7.7	3.9	..	0	15	0	0	9	0	0	0	0	0
CUTTACK	38.2	+2.4	46.7	04	27.0	+0.5	22.0	18	261.8	275.0	+ 44.1	80.4	19	8	- 3.3	10.3	8.2	+1.0	1	11	0	0	8	0	0	0	0	0
TITLAGARH	38.1	+1.2	45.7	03	26.9	+0.2	22.3	22	72.9	216.3	- 0.2	32.3	18	12	+ 1.1	4.3	4.6	-0.8	1	12	0	0	10	0	0	0	0	0
BHUBANESWAR	37.5	+2.2	46.3	05	26.6	+0.2	23.3	21	148.9	163.6	- 58.9	75.1	30	9	- 3.4	22.7	20.0	+0.9	0	12	0	0	11	0	0	0	1	0
PURI	32.0	+0.3	34.3	07	28.1	+0.7	23.3	30	22.6	64.8	-121.6	23.0	10	6	- 2.4	26.8	22.0	-1.2	0	8	0	0	3	0	0	0	0	0
GOPALPUR	31.9	-0.3	37.6	06	25.7	-1.2	22.3	20	76.6	115.2	- 17.9	41.0	20	6	- 1.4	22.3	19.0	+1.8	0	11	0	0	5	0	0	0	0	0
KORAPUT	33.1	+2.7	46.6	06	21.0	-1.3	16.0	22	210.2	350.2	+133.9	113.0	22	10	+ 0.7	..	..	..	1	14	0	0	0	0	0	0	0	0
BIHAR PLATEAU																												
DUMKA	37.4	+2.3	45.3	03	25.5	-0.5	22.4	18	84.4	161.6	- 83.3	67.6	18	7	- 4.9	7.2	4.2	-2.1	0	7	0	0	2	0	0	0	0	0
DALTONGANJ	42.3	+4.0	45.6	02	28.0	+0.4	23.1	22	13.4	120.0	- 33.4	50.0	22	4	- 3.8	2.4	3.1	-4.1	0	4	0	0	7	0	0	0	0	0
HAZARIBAGH	36.7	+2.1	41.8	03	24.2	-0.5	21.1	18	31.1	77.1	-117.2	23.6	20	7	- 3.0	13.4	11.0	+1.2	0	9	0	0	11	0	0	0	0	0
DHANBAD	37.7	+1.8	45.0	07	25.6	-0.3	20.8	10	20.8	88.6	- 88.0	26.2	18	6	- 4.0	4.1	3.0	-6.3	0	9	0	0	1	0	0	0	0	0
RANCHI	(E)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
RANCHI AERODROME	35.5	+1.9	41.4	03	24.5	+0.3	20.1	13	48.9	62.8	-127.4	20.0	13	6	- 3.7	15.2	11.9	-0.3	2	10	0	0	12	0	0	0	4	0
JAMSHEDPUR	38.7	+2.2	44.7	03	25.1	-1.9	22.6	20	95.7	129.4	- 81.5	47.5	19	7	- 3.3	11.7	9.4	+1.1	2	9	0	0	1	0	2	0	2	0
JAMSHEDPUR P.B.O.	38.7	+2.3	44.9	02	27.2	+0.5	24.3	20	74.8	117.4	- 76.8	40.4	19	6	- 4.1	11.6	8.4	+0.6	0	12	0	0	13	0	0	0	0	0
CHAIBASA	38.8	+2.1	44.6	02	26.9	+0.2	23.8	18	26.9	50.3	-136.4	11.6	18	8	- 2.5	6.8	4.4	-0.1	0	9	0	0	5	0	0	0	0	0
BIHAR PLAINS																												
MOTIHARI	36.3	+1.7	42.7	03	..	..	..	..	69.2	105.9	- 97.0	61.2	18	5	- 3.5	9.6	7.0	+0.9	0	7	0	0	0	0	0	0	0	0
FORBESGANJ	31.9	-1.7	36.2	01	24.0	-0.6	20.8	07	15.4	340.2	- 41.7	63.2	16	14	+ 1.9	9.2	7.1	-1.6	0	17	0	0	17	0	0	0	0	0
DARBHANGA	36.3	+1.8	42.4	03	25.3	-0.7	22.9	10	4.0	28.0	-154.4	17.2	10	3	- 5.5	9.5	7.3	-0.4	0	4	0	0	0	0	1	0	0	0
MUZAFFARPUR	37.1	..	43.4	03	27.0	..	23.4	10	11.8	30.2	-147.9	18.4	10	3	- 4.9	..	..	..	0	4	0	0	4	0	1	0	0	0
CHAPRA	40.3	..	45.6	04	29.4	..	25.6	12	13.4	17.6	-116.4	10.2	18	3	- 3.9	8.0	8.2	..	0	3	0	0	1	0	1	0	0	0
PURNEA	33.3	+0.1	38.5	02	24.1	-1.3	21.0	09	23.6	145.2	-112.9	70.0	09	5	- 6.4	6.7	5.1	-1.2	0	7	0	0	3	0	0	0	0	0
PATNA	39.8	+3.1	45.2	04	26.5	-0.6	23.9	15	0.8	5.2	-152.8	4.4	20	1	- 6.7	9.7	10.1	+1.1	0	1	0	0	0	0	1	0	0	0
PATNA AERODROME	39.5	+2.9	44.7	04	27.2	+0.4	24.7	15	4.2	6.4	-157.4	3.2	29	1	- 6.4	13.2	11.6	+2.5	0	2	0	0	5	0	0	0	1	0
ARRAH	..	..	..	..	..	..	..	..	..	4.1	-136.8	3.2	19	1	- 6.3	..	..	..	0	2	0	0	0	0	0	0	0	0
BHAGALPUR	37.7	+2.4	43.3	02	27.3	+0.9	24.4	15	25.4	44.8	-162.8	19.6	18	3	- 5.7	10.6	9.1	+0.9	0	4	0	0	6	0	0	0	0	0
SABAUR	37.7	+2.8	43.5	02	25.5	-0.8	23.2	18	43.0	63.4	-107.0	28.0	18	3	- 5.4	13.3	11.4	+2.3	0	3	0	0	5	0	0	0	1	0
JAMUI	(E)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
DEHRI	40.9	+2.0	44.8	06	27.0	-1.1	24.4	18	5.1	21.5	-107.0	16.4	17	2	- 4.4	9.4	7.1	-0.1	0	2	0	0	0	0	0	0	0	0
GAYA	41.3	+2.7	45.4	06	29.3	+1.1	26.2	18	8.8	12.6	- 90.8	11.4	18	1	- 5.1	17.6	14.0	+1.9	0	2	0	0	5	0	1	0	0	0
UTTAR PRADESH EAST																												
KHERI	(E)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BAHRAICH	(E)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
NAUTANWA	35.6	+0.4	44.0	04	24.6	-1.3	20.4	22	191.2	534.6	+300.5	152.2	28	10	+ 0.9	..	..	..	0	10	0	0	0	0	0	0	0	0
HARDOI	40.4	+0.9	44.0	04	28.1	+0.5	23.7	18	50.2	52.4	- 71.9	26.2	27	3	- 1.1	12.4	9.0	+1.6	0	4	0	0	0	0	0	0	0	0
GONDA	39.7	+2.3	46.0	04	27.0	+0.1	23.1	28	13.0	176.0	+ 4.3	147.0	28	5	- 2.3	12.9	10.6	+3.3	0	5	0	0	1	0	0	0	0	0
LUCKNOW	..	..	..	..	..	..	..	..	67.2	109.2	+ 20.3	86.0	28	3	- 1.7	..	..	..	0	6	0	0	3	0	0	0	0	0
LUCKNOW (AMAUSI)	40.5	+1.6	44.4	06	28.5	+1.0	23.4	28	40.6	80.8	+ 5.9	55.0	28	2	- 1.6	18.4	13.9	+2.1	0	3	0	0	6	0	6	0	0	0
FAIZABAD	39.5	+2.3	45.2	04	27.0	+0.8	23.5	16	22.6	73.0	- 3.9	41.8	16	4	- 1.4	6.7	5.0	-0.2	0	4	0	0	2	0	0	0	0	0
GORAKHPUR	38.7	+2.3	45.1	04	26.6	-0.1	23.5	15	13.3	24.4	-136.4	13.3	29	3	- 4.6	8.8	8.0	+1.2	0	5	0	0	0	0	0	0	0	0
KANPUR	41.5	+1.6	44.9	08	29.2	+0.5	22.7	28	123.6	122.4	+ 52.3	96.4	28	2	- 1.9	20.4	15.5	+2.0	0	3	0	0	0	0	0	0	0	0
KANPUR (AERODROME)	43.4	..	45.4	08	27.4	..	26.1	29	110.2	116.3	..	97.0	28	2	..	..	..	..	0	2	0	0	9	0	3	0	0	0
SULTANPUR	39.3	+0.7	45.5	04	25.6	-2.1	22.9	28	0.0	3.8	- 69.7	3.8	17	1	- 3.4	10.0	8.0	+1.7	0	1	0	0	4	0	0	0	0	0
AZAMGARH	39.3	+0.8	45.4	03	28.2	+0.9	23.9	28	28.6	29.4	- 87.9	23.4	29	2	- 3.9	7.5	5.5	..	0	2	0	0	0	0	0	0	0	0
FATEHPUR	41.7	+1.6	45.5	07	28.8	0.0	22.8	28	50.1	72.5	+ 5.1	53.2	28	4	- 1.5	18.0	9.0	+2.0	0	4	0	0	5	0	1	0	0	0
BALLIA	40.9	+1.2	46.0	04	22.0	-4.8	19.8	18	3.8	3.8	- 96.1	3.8	29	1	- 3.0	9.8	7.4	+0.6	0	1	0	0	0	0	0	0	0	0
BANDA	42.7	+1.9	45.9	03	29.8	+0.4	23.9	18	72.1	78.1	+ 10.1	25.2	10	5	+ 1.1	8.0	4.9	+0.2	0	5	0	0	0	0	0	0	0	0
ALLAHABAD (BAMHRAULI)	42.0	+2.2	45.5	01	29.2	+0.3	24.1	28	22.2	36.9	- 59.1	15.2	24	4	- 0.6	10.1	7.6	-1.8	0	5	0	0	8	0	1	0	2	0
VARANASI (BABATPUR)	41.0	+2.1	44.9	07	28.8	+0.6	27.9	17	49.8	50.2	- 51.4	29.8	28	2	- 2.4	16.5	14.9	+2.9	1	2	0	0	11	0	8	0	0	0
VARANASI	41.2	+2.1	45.0	06	28.6	+0.3	24.9	29	4.6	6.6	- 82.1	6.6	29	1	- 4.5	9.6	8.0	-1.7	0	1	0	0	0	0	2	0	0	0
UTTAR PRADESH WEST																												
MUKHIM	27.7	+1.6	33.0	05	18.1	+0.9	13.5	10	43.0	109.7	- 35.9	31.4	28	9	0.0	..	..	..	0	11	0	0	9	0	0	0	0	0
TEHRI	38.4	+1.3	41.8	05	23.6	+1.1	21.2	17	4.2	20.2	- 30.3	7.7	28	3	- 0.5	6.9	4.4	..	0	4	0	0	5	0	0	0	0	0
DEHRA DUN	36.3	+1.0	41.2	08	23.4	-0.2	19.6	17	66.7	141.0	- 43.4	25.2	28	9	+ 0.5	3.1	2.4	-1.2	0	10	0	0	9	0	0	0	0	0
MANSIARI	23.5	..	28.1	04	14.3	..	12.1	18	..	326.3	..	85.0	27	14	..	..	..	..	0	17	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JUNE 1967 JYAISTHA 11 - ASADHA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Haze or dust	Mist	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST (CONTD.)																												
ROORKEE	39.8	+1.3	45.0	08	24.7	-1.2	21.0	19	30.7	37.5	- 60.5	31.7	26	2	- 3.0	11.1	7.9	+0.6	0	2	0	0	0	0	1	0	0	0
NAJIBABAD	39.7	+1.2	44.9	04	25.8	-0.2	22.4	01	0.0	122.8	+ 26.8	46.8	26	3	-1.9	11.7	9.7	+2.8	0	3	0	0	6	0	0	0	0	0
MEERUT	39.7	+0.2	43.5	14	26.0	-1.4	21.5	17	..	23.0	- 55.2	23.0	17	1	- 2.8	.	9.2	+0.3	0	1	0	0	0	0	0	0	0	0
BAREILLY	40.7	+1.7	45.3	06	27.3	-0.2	23.0	28	111.6	157.8	+ 43.5	64.3	28	6	+ 1.2	13.3	10.0	+2.7	0	6	0	0	6	0	0	0	0	0
ALIGARH	40.3	+0.3	44.3	08	27.5	-0.9	23.7	16	29.6	58.0	- 32.9	29.6	28	4	+ 0.2	14.9	10.6	+1.3	0	5	0	0	0	0	0	0	0	0
MAINPURI	42.2	+1.3	45.4	09	28.1	-0.5	23.8	28	0.0	0.0	- 56.4	0.0	..	0	- 3.4	..	..	..	0	0	0	0	1	0	2	0	0	0
AGRA	41.9	+1.4	45.7	09	29.3	-0.2	24.4	30	38.7	28.6	- 23.2	13.0	28	3	- 0.1	..	..	..	0	3	0	0	0	0	0	0	0	0
AGRA AERODROME	41.9	..	45.4	09	..	..	..	..	16.8	17.3	..	12.7	28	1	..	..	..	..	0	4	0	0	5	0	3	0	0	0
ORAI	42.7	+2.3	45.4	02	29.9	+1.4	24.6	28	29.4	5.4	- 89.0	4.0	27	1	- 3.7	..	..	..	0	2	0	0	0	0	0	0	0	0
JHANSI	41.5	+1.1	45.2	01	30.0	+0.7	24.0	16	38.2	95.0	- 26.5	38.0	29	4	- 0.7	8.0	8.2	+0.1	0	5	0	0	0	0	0	0	0	0
HARYANA (INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	40.4	+0.9	43.7	11	27.0	+0.6	20.5	17	11.7	68.0	+ 6.3	55.2	30	2	- 1.0	..	..	..	0	4	0	0	0	0	0	0	0	0
AMBALA	41.4	+0.9	44.2	05	27.3	0.0	23.4	17	12.8	12.8	- 60.1	12.8	17	1	- 3.3	12.6	10.6	+2.0	0	1	0	0	0	0	0	0	0	0
AMBALA AERODROME	41.7	..	45.0	08	27.0	..	23.1	18	9.9	11.6	..	9.5	17	1	..	..	..	..	3	2	0	0	6	0	1	0	0	0
KARNAL	40.4	+0.8	43.9	08	27.5	+0.9	23.7	16	2.8	6.4	- 46.4	5.2	16	1	- 2.0	..	..	..	0	2	0	0	2	0	2	0	0	0
HISSAR	41.5	+0.2	45.0	08	28.3	+0.6	19.6	20	3.6	26.0	- 5.5	11.0	28	4	+ 1.0	9.1	10.6	+0.5	0	4	0	0	1	0	2	0	0	0
NEW DELHI/SAFDARJUNG	40.3	+0.4	43.3	08	29.0	+0.3	23.5	17	9.6	25.3	- 42.3	14.6	25	3	- 0.7	20.7	16.4	+1.8	0	4	0	0	3	0	1	0	1	0
PALAM AERODROME	41.1	..	44.6	08	27.8	..	22.7	17	17.4	37.9	..	16.0	25	4	..	..	..	..	0	4	0	0	3	0	0	0	3	0
PUNJAB																												
PATHANKOT	41.1	+0.9	44.7	09	26.2	+0.1	21.0	16	9.2	46.5	- 11.3	30.2	28	3	- 0.4	..	..	..	0	4	0	0	7	0	6	0	0	0
AMRITSAR	42.0	+1.6	45.4	08	25.5	+0.3	21.8	18	0.0	4.3	- 22.9	4.3	16	1	- 0.9	..	..	..	0	1	0	0	4	0	4	0	5	0
ADAMPUR AERODROME	41.4	..	45.0	07	25.2	..	19.7	06	33.9	46.4	..	25.4	29	3	..	..	..	..	4	3	0	0	6	0	4	0	0	0
LUDHIANA	42.6	+1.5	46.5	08	27.1	0.0	18.8	19	15.0	29.2	- 20.1	13.8	05	3	- 0.3	7.5	5.0	+0.1	0	4	0	0	2	0	0	0	0	0
FEROZEPUR	42.0	+0.9	45.6	27	25.6	-0.7	22.0	08	0.0	0.0	- 33.5	0.0	..	0	- 1.7	4.4	3.4	+0.2	0	0	0	0	1	0	2	0	0	0
HALWARA AERODROME	41.7	..	44.3	08	25.4	..	20.8	06	5.2	5.2	..	5.2	17	1	..	..	..	..	0	1	0	0	4	0	4	2	5	0
PATIALA	40.7	+0.3	44.4	08	26.6	-0.1	23.1	17	30.3	38.7	- 13.4	20.0	17	3	- 0.1	9.5	8.4	-0.9	0	3	0	0	1	0	1	0	0	0
BHATINDA	41.9	-0.3	45.0	08	27.0	-0.8	21.3	17	4.6	4.6	- 33.6	4.6	16	1	- 1.3	4.3	4.0	-3.9	0	1	0	0	1	0	0	0	0	0
HIMACHAL PRADESH																												
MANDI	36.6	+0.1	41.9	04	21.3	+0.4	16.5	17	32.5	230.1	+121.5	50.8	25	10	+ 3.0	..	..	..	0	10	0	0	1	0	0	0	0	0
BILASPUR	38.0	-0.2	41.8	08	24.0	+0.5	18.2	17	57.5	86.5	+ 23.8	40.0	27	4	- 1.3	8.0	6.2	-0.3	0	4	0	0	4	0	1	0	1	0
JAMMU AND KASHMIR																												
MISGAR (a)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GILGIT (b)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SKARDU (c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DRAS	..	..	..	..	..	..	..	..	..	4.0	- 12.9	4.0	15	1	- 1.0	..	..	..	0	1	..	..	..	..	..	.	..	.
SONAMARG	..	..	..	..	..	..	..	..	..	41.4	- 35.1	20.8	15	2	- 5.3	..	..	..	0	2	..	..	..	..	..	.	..	.
LEH	21.9	+0.8	26.6	30	4.3	-2.4	1.5	19	0.0	0.0	- 4.8	0.0	..	0	- 0.7	..	..	..	0	0	0	0	0	0	0	0	0	0
SRINAGAR	29.2	+0.2	34.3	27	14.6	+0.2	10.4	17	18.7	30.7	- 3.6	16.9	17	4	+ 0.6	5.8	4.0	-0.1	1	8	0	0	8	0	0	0	0	0
SRINAGAR AERODROME	28.2	..	32.5	27	14.6	..	10.3	17	20.7	26.4	..	18.4	17	1	..	..	..	..	0	7	0	0	11	0	0	0	1	0
GULMARG	19.9	-0.1	26.4	27	6.5	-0.4	2.7	19	40.3	62.4	- 25.2	25.2	17	8	+ 0.3	9.7	6.5	-0.1	2	11	0	1	13	0	0	0	0	0
QAZIGUND	26.8	..	31.2	09	14.3	..	10.4	19	23.5	61.5	..	19.7	17	7	..	1.1	1.2	..	0	7	0	0	6	0	0	0	0	0
BANIHAL	29.0	..	33.0	09	15.0	..	10.1	17	6.4	36.8	..	22.2	16	3	..	..	..	..	1	6	0	0	4	0	0	0	0	0
JAMMU	40.7	+0.3	44.7	08	27.2	-0.5	20.9	16	0.0	64.4	- 2.9	35.0	16	4	+ 0.3	8.4	6.0	..	0	5	0	0	0	0	0	0	0	0
JAMMU AERODROME	40.8	..	44.8	09	26.7	..	21.0	16	1.4	68.7	..	36.4	16	4	..	..	..	..	0	5	0	0	6	0	2	0	0	0
GULMARG (RESEARCH INSTITUTE)	20.2	..	25.4	27	..	..	..	..	39.3	61.3	..	25.7	17	8	..	..	..	..	1	11	0	1	5	1	0	0	0	0
RAJASTHAN, WEST																												
GANGANAGAR	42.3	+0.2	45.8	26	27.2	-0.8	19.0	16	2.1	55.1	+ 34.0	53.7	16	1	- 0.2	8.6	6.0	-4.7	0	2	0	0	2	0	0	0	0	0
ANUPGARH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MAHAJAN	43.0	..	44.7	14	30.3	..	0.0	00	0.0	24.6	..	15.6	29	2	..	18.0	14.8	..	0	2	0	0	4	0	0	0	0	0
CHURU	40.7	-0.4	43.6	09	27.7	-1.1	22.6	16	27.4	32.2	+ 6.5	23.4	23	2	- 1.0	19.2	15.0	-0.1	1	2	0	0	2	0	0	0	0	0
BIKANER	41.5	-0.2	44.2	27	28.7	-0.6	24.8	16	0.2	12.7	- 15.2	10.0	16	2	- 0.2	17.0	15.3	+2.0	0	2	0	0	6	0	4	0	0	0
NAGAUR	40.3	+0.2	43.0	06	26.9	-1.2	22.9	17	56.0	74.6	+ 60.4	29.6	24	4	+ 2.8	17.1	15.7	-1.6	0	4	0	0	0	0	0	0	0	0
PHALODI	40.9	+0.1	43.0	09	26.8	-1.2	24.3	12	7.0	30.0	+ 3.8	13.0	17	3	+ 1.3	27.8	22.7	-2.9	0	3	0	0	1	0	0	0	0	0
JAISALMER	41.1	-0.3	43.5	09	25.9	-1.4	22.8	10	0.0	13.6	+ 7.4	10.8	25	2	+ 1.3	26.1	23.5	-3.7	0	2	0	0	0	0	0	0	0	0
JODHPUR	40.1	0.0	42.6	13	27.0	-1.5	22.2	18	0.0	80.1	+ 49.4	56.8	18	3	+ 1.2	..	..	..	0	4	0	0	7	0	3	0	15	0
BARMER	42.0	+1.7	44.0	20	27.2	-0.1	24.2	19	1.6	7.8	- 14.0	5.8	18	1	- 0.2	6.0	5.7	-8.5	0	2	0	0	3	0	0	0	0	0
ERINPURA (JAWAI DAM)	37.8	-0.4	40.6	13	26.1	-1.2	23.3	18	27.0	58.0	+ 7.5	22.0	24	5	+ 0.4	8.9	10.3	-2.6	0	7	0	0	0	0	0	0	0	0
RAJASTHAN, EAST																												
PILANI	40.2	-2.0	43.5	08	28.0	-1.1	23.5	28	31.0	57.8	+ 42.4	22.0	17	4	+ 2.4	22.2	17.6	-2.7	0	5	0	0	0	0	0	0	0	0
SIKAR	39.4	+0.3	41.8	08	27.1	-0.4	21.6	16	23.7	31.8	- 9.4	24.4	16	2	- 1.3	14.6	9.4	-2.2	0	4	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JUNE 1967 (JYAISTHA 11 - ASADHA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation: 0.1 to 0.2 mm.	0.3 mm. or more	Dust or dust storm	Mist	Thunder heard	Fog	Duststorm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	21	22	23	24	25	26	27	28
RAJASTHAN, EAST (CONTD.)																												
ALWAR	41.2	+0.3	45.2	09	29.7	-0.8	23.2	27	20.3	48.2	+ 13.3	15.4	27	5	+ 1.7	9.1	8.6	..	0	6	0	0	4	0	2	0	0	0
JAIPUR (SANGANER)	39.9	+0.7	43.0	08	27.2	-0.1	20.0	16	31.2	50.1	- 1.5	25.1	16	4	+ 0.3	..	..	..	0	4	0	0	5	0	2	0	2	0
DHOLPUR	42.7	+1.1	46.0	14	30.0	-0.4	23.7	30	4.8	41.5	- 3.8	41.0	30	1	- 1.8	12.9	9.0	-0.7	0	2	0	0	4	0	2	0	0	0
AJMER	38.5	+0.4	41.0	26	26.5	-1.2	20.6	27	3.6	34.6	- 24.8	23.2	17	2	- 1.3	17.6	15.6	+1.0	0	5	0	0	4	0	0	0	0	0
TONK	40.6	-0.3	44.8	09	27.3	-1.6	21.7	30	35.3	76.0	+ 52.6	51.8	27	3	+ 1.4	17.2	13.8	+1.2	1	6	0	0	3	0	1	0	0	0
BHILWARA	38.4	..	42.3	06	25.6	..	21.2	18	37.1	132.2	..	46.2	16	6	..	12.6	11.1	..	0	8	0	0	6	0	0	0	0	0
KOTA	40.0	-0.3	43.8	08	26.1	-3.4	21.4	16	23.4	118.9	+ 48.3	31.8	16	6	+ 1.9	11.2	9.9	+0.8	0	7	0	0	0	0	0	0	0	0
KOTA AERODROME	39.8	..	44.9	09	28.5	..	22.5	29	27.8	144.3	..	56.5	16	6	..	15.8	16.7	..	1	7	0	0	11	0	1	0	0	0
CHAMBAL (RAWAT BHATTA DAM)	39.0	-0.4	42.8	08	26.9	-0.5	22.3	16	0.2	72.4	- 0.7	31.8	16	5	- 0.4	14.2	12.2	-0.3	1	7	0	0	10	0	4	0	0	0
UDAIPUR	35.2	-0.7	38.0	01	23.7	-1.6	20.9	26	149.9	252.4	+173.9	62.6	28	8	+ 3.6	7.0	5.0	-2.4	1	11	0	0	13	0	0	0	0	0
JHALAWAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BANSWARA	37.2	..	43.1	01	26.1	..	20.3	11	0.0	140.2	..	75.0	15	5	..	6.4	5.2	..	0	8	0	0	0	0	0	0	0	0
MADHYA PRADESH, WEST																												
GWALIOR	42.1	+1.3	45.8	09	30.6	+0.4	25.0	17	22.9	31.1	- 19.5	19.4	30	3	- 0.7	17.5	14.0	+4.2	0	6	0	0	9	0	3	0	0	0
SHEOPUR	40.8	+0.4	44.5	08	28.0	-0.6	23.5	16	73.9	89.3	+ 18.7	32.0	16	5	+ 0.7	14.0	11.5	+1.3	1	8	0	0	5	0	2	0	0	0
SHIVPURI	38.9	..	42.6	08	25.1	..	19.6	16	18.5	89.1	..	33.8	30	4	..	14.6	11.8	..	0	7	0	0	0	0	0	0	0	0
NOWGONG	41.1	+1.1	44.9	14	28.4	+0.1	23.9	28	34.8	40.6	- 51.3	24.0	28	3	- 2.3	11.0	8.2	0.0	0	5	0	0	5	0	0	0	0	0
GUNA	39.5	+1.0	43.8	08	26.3	-0.3	22.1	17	56.4	78.0	- 67.3	29.8	30	5	- 2.0	18.0	14.8	+1.8	1	12	0	0	16	0	0	0	0	0
NIMACH	36.4	-0.5	41.1	13	24.9	-1.0	21.9	28	18.6	80.5	- 17.5	13.2	29	8	+ 3.6	18.6	17.2	+0.6	0	9	0	0	4	0	0	0	0	0
RAJGARH	39.0	-0.5	44.0	13	26.6	-0.7	23.1	28	1.9	110.0	+ 2.1	43.2	17	6	+ 1.7	14.0	15.3	-1.0	1	8	0	0	5	0	0	0	0	0
SAGAR	38.7	+1.8	43.9	02	23.0	-2.7	19.5	10	8.0	61.4	- 65.6	12.0	20	6	- 1.4	8.6	12.5	+1.5	0	8	0	0	5	0	0	0	0	0
RATLAM	35.1	-1.1	41.8	13	22.3	-3.0	19.0	17	46.8	165.6	+ 69.9	39.9	17	10	+ 5.3	16.9	14.7	+1.4	0	13	0	0	9	0	0	0	0	0
BHOPAL (BAIRAGARH)	37.3	+0.4	42.3	13	25.2	-0.2	22.4	19	45.1	105.3	- 43.0	27.2	28	10	+ 1.9	21.3	18.6	+5.5	1	12	0	0	14	0	1	0	1	0
UJJAIN	35.3	..	41.8	13	23.6	..	20.9	16	101.3	165.3	..	43.1	28	11	..	21.1	18.1	..	0	13	0	0	10	0	0	0	0	0
NARSINGHPUR	39.3	..	44.4	01	26.6	..	22.6	28	57.0	97.4	..	39.8	20	6	..	11.3	8.5	..	1	7	0	0	0	0	0	0	0	0
HOSHANGABAD	39.2	+1.6	44.5	02	27.6	+1.0	22.2	26	38.0	207.0	+ 63.7	92.0	28	5	- 2.7	11.2	9.9	+3.1	0	7	0	0	5	0	0	0	3	0
INDORE	35.2	-0.5	41.5	01	23.4	-1.0	20.1	25	85.9	236.1	+102.5	50.8	20	11	+ 4.1	25.1	22.7	+4.3	0	14	0	0	14	0	0	0	0	0
RAJPUR (JHABUA)	35.1	-0.9	40.0	13	..	..	..	..	17.4	103.0	- 12.7	43.0	14	8	+ 3.5	18.1	15.8	-0.9	0	9	0	0	7	0	0	0	0	0
CHHINDWARA	35.4	+0.4	41.0	02	25.2	+0.3	21.7	4de	98.2	188.8	+ 40.2	35.6	30	13	+ 3.3	13.1	9.5	0.0	0	14	0	0	13	0	0	0	0	0
SEONI	36.9	+1.4	42.3	01	24.6	+0.2	21.1	27	123.2	263.0	+ 46.6	55.2	28	13	+ 2.0	10.4	7.5	-0.2	0	15	0	0	11	0	0	0	0	0
BETUL	35.7	+0.7	40.7	13	23.4	-1.0	20.1	28	28.4	145.9	+ 10.9	59.4	27	9	+ 0.8	9.6	7.4	-1.1	0	11	0	0	4	0	3	0	0	0
KHANDWA	37.0	-0.5	42.8	13	25.5	-0.7	21.4	17	38.2	140.4	+ 5.0	66.4	25	8	+ 1.5	16.7	14.5	-1.3	0	10	0	0	6	0	0	0	0	0
MADHYA PRADESH, EAST																												
SATNA	40.5	+1.4	44.7	01	29.0	+1.0	24.4	28	43.8	69.3	- 45.5	21.0	29	7	+ 1.1	12.1	9.7	+0.5	0	8	0	0	9	0	0	0	0	0
REWA	40.6	..	44.1	09	27.5	..	21.8	28	67.9	79.7	..	44.7	28	5	..	9.0	6.3	..	0	7	0	0	0	0	2	0	0	0
SIDHI	40.7	+0.9	44.4	02	28.1	+0.2	24.8	27	70.2	74.4	+ 17.0	23.4	20	6	+ 1.4	11.1	6.7	-2.4	0	6	0	0	0	0	0	0	0	0
UMARIA	38.9	+1.3	43.9	02	27.7	+0.9	23.2	23	71.3	42.8	-120.6	14.4	20	4	- 4.9	9.9	7.4	+0.5	1	7	0	0	15	0	3	0	0	0
JABALPUR	38.8	+1.2	44.0	02	27.1	+0.7	23.0	28	97.3	79.3	- 77.7	20.0	28	8	- 0.3	10.6	7.8	-0.8	1	13	0	0	16	0	0	0	0	0
AMBIKAPUR	37.8	+2.0	42.5	01	..	..	..	..	21.4	54.9	- 88.1	19.4	27	6	- 3.6	13.6	10.2	+0.1	2	8	0	0	3	0	1	0	0	0
JASHPURNAGAR	35.4	..	41.2	03	23.9	..	20.2	21	74.8	113.4	..	36.6	28	8	..	10.3	7.7	..	0	12	0	0	2	0	0	0	0	0
PENDRA	36.0	+2.4	42.0	03	25.5	+0.5	20.3	22	105.7	120.7	- 86.6	26.6	22	9	- 2.4	11.9	10.0	+0.5	0	15	0	1	20	0	0	0	2	0
MANDLA	38.9	+1.4	44.2	01	25.0	-0.3	20.5	19	131.6	131.6	- 0.1	38.0	28	7	- 1.7	8.7	5.7	-0.7	0	9	0	0	11	0	0	0	0	0
CHAMPA	39.6	+0.7	44.2	02	27.0	-0.8	23.2	23	11.6	237.9	+ 81.4	90.0	30	9	+ 0.4	10.9	7.3	-0.8	0	10	0	0	14	0	0	0	0	0
RAIGARH	40.0	+1.4	46.5	03	27.5	-0.2	23.7	20	30.2	102.1	- 65.6	21.4	28	9	+ 0.5	8.6	6.8	-0.5	0	9	0	0	5	0	0	0	0	0
RAIPUR	38.4	+0.9	45.6	03	26.5	-0.3	20.6	22	27.6	191.9	- 27.6	74.1	30	10	+ 0.6	12.5	10.3	-1.8	0	14	0	0	14	0	0	0	0	0
KANKER	36.1	+0.7	44.0	01	26.7	+0.7	21.9	22	7.1	156.9	- 55.2	33.2	24	11	+ 1.5	11.7	9.3	-0.4	0	12	0	0	11	0	0	0	0	0
JAGDALPUR	34.2	+0.7	42.7	04	24.9	+1.0	22.1	17	194.6	328.1	+ 95.4	78.3	29	14	+ 2.5	..	..	..	0	17	0	0	12	0	0	0	1	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DEESA	38.4	-0.5	41.0	13	..	..	..	..	32.6	54.0	+ 6.0	27.0	20	3	+ 0.5	17.1	13.5	..	0	3	0	0	0	0	0	0	0	0
RADHANPUR	38.5	-0.3	41.9	13	..	..	..	..	0.0	29.4	+ 0.3	25.4	26	2	+ 0.2	14.6	12.2	-2.3	0	2	0	0	0	0	0	0	0	0
IDAR	36.1	-1.7	40.7	13	25.4	-0.6	21.8	14	39.3	103.7	+ 13.0	33.8	25	7	+ 2.9	11.1	8.9	-2.5	0	8	0	0	8	0	0	0	0	0
AHMADABAD	37.4	-0.6	42.0	09	26.6	-0.8	23.0	25	152.2	190.7	+105.4	98.0	18	8	+ 3.7	9.6	8.8	-2.0	1	9	0	0	8	0	1	0	0	0
DOHAD	35.2	-0.7	40.8	13	24.0	-1.6	20.6	28	6.7	197.1	+ 88.9	61.0	25	6	+ 1.2	21.9	21.0	-8.6	0	12	0	0	7	0	1	0	0	0
VALLABH VIDYANAGAR	37.1	..	41.6	23	26.0	..	23.0	25	38.2	228.6	..	132.0	19	6	..	11.4	9.7	..	0	7	0	0	3	0	0	0	0	0
BARODA AERODROME	36.9	+0.2	41.6	01	26.3	-0.7	24.2	25	58.6	177.0	+ 84.7	117.7	29	5	+ 0.8	15.4	14.9	-0.7	0	8	0	0	7	0	2	0	0	0
BARODA	37.3	+0.1	41.6	02	26.6	-0.5	24.5	25	39.4	144.5	+ 45.2	84.8	29	7	+ 2.7	11.8	10.7	+0.9	0	11	0	0	5	0	0	0	0	0
BROACH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8.5	6.4	-5.7	.	..	0	0	3	0	0	0	0	0
SURAT	33.2	-0.5	38.0	02	25.6	-1.5	22.7	22	137.4	354.7	+158.1	86.1	21	9	+ 1.6	20.3	13.7	+1.5	0	14	0	0	1	0	0	0	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																												
NALIYA	33.7	+0.1	36.8	30	26.4	-0.6	23.0	20	22.6	25.2	- 26.5	10.6	23	3	+ 0.7	25.1	19.5	-4.0	0	6	0	0	7	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – JUNE 1967(JYAISTHA 11 - ASADHA 9,1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena- No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
SURASHTRA AND KUTCH(INCLUDING DIU) (CONTD.)																												
BHUJ(RUDRAMATA)	36.8	+0.1	40.2	13	26.7	-0.7	24.6	11	1.1	8.5	- 18.4	3.2	23	2	+ 0.5	24.3	21.6	+0.6	1	3	0	0	7	0	0	0	0	0
KANDLA AERODROME	36.8	..	40.1	13	26.7	..	23.1	20	13.9	59.1	..	41.0	20	4	..	30.1	27.6	..	0	5	0	0	4	0	0	0	0	0
NEW KANDLA	34.9	+0.1	39.3	13	26.9	-0.7	24.7	20	17.0	66.6	+ 8.9	31.0	28	4	+ 1.0	27.5	25.7	-4.9	0	6	0	0	8	0	0	0	0	0
MANDVI	32.8	-0.2	34.3	19	27.6	-0.8	26.4	22	..	5.0	- 22.2	5.0	23	1	- 0.5	27.7	27.7	-5.1	0	1	0	0	0	0	0	0	0	0
SURENDRANAGAR	37.4	-1.7	41.0	13	26.2	-1.0	23.1	25	124.1	220.2	+166.3	74.4	21	7	+ 3.3	16.7	16.0	-4.2	0	9	0	0	6	0	0	0	0	0
OKHA	32.0	..	34.6	14	27.1	..	25.0	26	108.2	114.4	..	77.4	26	7	..	23.1	21.1	..	0	7	0	0	7	0	0	0	0	0
JAMNAGAR AERODROME	35.1	-0.8	40.0	14	25.8	-1.3	23.2	01	149.0	180.8	+119.6	45.3	29	9	+ 6.2	..	..	..	0	11	0	0	14	0	0	0	0	0
DWARKA	31.5	-0.4	32.7	13	27.5	-0.7	24.9	20	91.0	105.0	+ 60.8	25.0	21	7	+ 4.9	21.9	21.1	-2.4	0	8	0	0	0	0	0	0	0	0
RAJKOT	36.7	-1.1	41.2	13	25.3	-0.9	22.6	25	43.0	73.4	- 19.6	29.4	25	6	+ 0.7	28.6	26.4	-1.7	1	8	0	0	7	0	0	0	0	0
BHAVNAGAR AERODROME	37.0	-0.6	43.0	08	26.5	-0.6	24.3	25	45.6	42.9	- 29.6	18.9	21	5	- 0.6	27.5	23.9	+8.6	0	9	0	0	4	0	0	2	1	0
PORBANDER AERODROME	31.9	-0.2	33.8	13	26.7	-1.3	23.5	26	66.2	178.1	+ 93.7	90.6	22	9	+ 4.8	20.4	15.8	..	1	11	0	0	8	0	0	0	0	0
KESHOD	33.6	-0.7	37.6	12	25.7	-0.7	23.5	01	108.3	153.5	+ 32.6	45.2	19	10	+ 3.2	9.3	7.3	-8.5	0	13	0	0	5	0	0	0	0	0
MAHUVA	32.7	..	40.3	02	24.8	..	23.1	11	63.2	127.9	- 11.8	22.8	20	11	+ 5.9	17.9	13.5	..	2	13	0	0	0	0	0	0	0	0
VERAVAL	31.2	-0.1	33.7	17	26.2	-1.4	23.2	19	167.3	295.8	+182.0	99.0	19	10	+ 6.4	21.3	20.1	-2.4	1	13	0	0	5	0	0	0	4	0
DIU	31.2	..	37.0	01	26.2	..	23.8	20	148.0	286.9	..	114.7	20	9	..	22.0	17.7	..	0	13	0	0	0	0	0	0	0	0
KONKAN(INCLUDING GOA)																												
DAHANU	31.8	-0.3	34.6	17	..	..	..	..	..	..	..	..	..	..	..	9.3[a]	7.3[d]	-1.1	.	..	0	0	0	0	0	0	0	0
BOMBAY(SANTACRUZ)	31.7	0.0	35.1	13	25.5	-0.4	22.0	21	313.3	664.9	+ 73.8	99.7	19	16	+ 1.2	18.5	14.2	-0.9	0	16	0	0	9	0	0	0	7	0
BOMBAY	31.5	-0.4	34.8	12	25.9	-0.4	21.8	25	302.4	794.7	+329.9	105.8	25	18	+ 3.8	13.2	11.9	-0.9	0	18	0	0	5	0	0	4	13	0
ALIBAG	30.5	-0.3	33.1	17	25.6	-0.4	22.6	22	..	933.9	+422.8	121.8	27	18	+ 2.8	..	18.5	-1.6	0	20	0	0	2	0	0	0	0	0
BHIRA	33.9	..	44.0	01	23.0	..	20.3	22	299.4	682.4	..	113.0	14	17	..	5.2	3.2	..	0	17	0	0	1	0	0	0	0	0
HARNAI	29.8	0.0	31.7	15	25.5	-0.2	22.1	24	318.1	783.5	+106.5	115.6	29	16	- 2.6	15.0	13.9	-2.2	0	17	0	0	1	0	0	0	0	0
RATNAGIRI	30.9	+0.4	34.9	07	24.8	-0.4	21.8	12	250.6	884.0	+114.1	151.1	28	17	- 3.4	14.7	11.1	..	0	18	0	0	1	0	0	0	0	0
DEVGARH	31.5	+1.2	34.6	11	24.2	-1.1	21.2	23	259.8	906.2	+246.0	114.6	23	16	- 4.0	18.2	16.8	-4.3	0	18	0	0	0	0	0	0	0	0
VENGURLA	31.0	+0.8	34.5	11	24.3	-0.2	20.9	24	309.2	831.4	-102.0	112.1	22	18	- 3.8	..	..	..	0	19	0	0	8	0	0	0	0	0
PANJIM	31.0	..	34.0	11	24.7	..	22.0	24	204.2	800.8	..	101.4	24	17	..	16.1	12.0	..	0	20	0	0	3	0	0	0	1	0
MORMUGAO	30.2	+0.8	32.5	08	24.8	+0.1	20.5	24	216.1	685.0	-109.7	115.6	24	19	- 2.7	19.5[c]	17.0[d]	-2.0	0	22	0	0	3	0	0	0	0	0
DABOLIM(NAVAL AIR STN.)	30.7	..	33.4	11	25.0	..	21.3	24	176.6	728.3	..	123.7	24	18	..	..	..	..	0	19	0	0	9	0	0	0	3	0
MADHYA MAHARASHTRA																												
NANDURBAR	36.6	+0.1	41.8	12	25.0	-0.9	22.3	13	11.3	111.9	+ 23.9	44.5	25	6	+ 0.2	15.0	12.9	-2.0	2	8	0	0	0	0	0	0	0	0
JALGAON	38.5	+0.4	44.0	01	25.8	-0.2	21.6	17	35.2	209.4	+ 79.9	58.2	24	8	+ 1.0	25.3	22.5	+1.6	0	9	0	0	0	0	0	0	0	0
MALEGAON	37.3	+1.2	42.8	09	23.0	-1.2	20.5	16	30.8	33.1	- 77.4	14.1	30	4	- 2.2	16.4[o]	11.7[p]	-1.5	0	4	0	0	0	0	0	0	0	0
OZAR	33.6	..	39.0	12	21.4	..	20.2	22	8.5	36.1	..	13.0	15	6	..	26.5	20.8	..	0	10	0	0	5	0	0	0	0	0
AHMADNAGAR	35.8	+2.1	41.2	01	22.3	-0.2	20.5	18	44.1	106.1	- 22.2	36.0	17	8	+ 0.8	15.4	11.1	+0.9	0	10	0	0	0	0	0	0	0	0
KHANDALA	..	..	..	..	..	..	..	..	..	592.4	-228.1	73.4	27	18	- 0.5	..	..	..	0	18	..	..	..	..	..	.	..	.
POONA AERODROME	32.9	..	37.8	12	22.1	..	20.5	26	14.4	52.8	..	33.0	16	3	..	..	..	..	1	11	0	0	5	0	0	0	0	0
POONA	32.7	+0.8	37.9	12	22.7	-0.2	20.9	26	24.1	65.7	- 41.7	28.7	16	5	- 2.0	16.7	12.7	..	3	7	0	0	5	0	0	0	1	0
JEUR	35.4	+0.5	39.8	12	23.1	+0.2	21.1	16	14.8	39.2	- 49.6	7.6	18	7	+ 1.3	21.6	18.3	+1.0	0	8	0	0	4	0	0	0	0	0
BARAMATI	34.1	+0.3	39.0	02	22.8	-0.1	21.3	16	28.3	94.4	+ 6.7	30.5	06	7	+ 1.4	18.5	15.2	-1.1	1	8	0	0	3	0	0	0	0	0
SHOLAPUR	36.6	+1.6	42.3	03	23.7	+0.2	21.7	25	12.6	35.6	- 77.9	11.4	29	4	- 2.8	14.2	12.4	-0.1	2	8	0	0	5	0	0	0	0	0
MIRAJ	33.1	+1.5	39.4	01	22.1	-0.2	20.1	22	15.2	92.4	+ 22.0	36.0	17	5	- 0.8	..	..	..	0	10	0	0	4	0	0	0	0	0
KOLHAPUR	31.7	+1.7	38.4	01	21.8	-0.2	19.5	22	76.9	188.8	+ 75.3	71.9	30	11	+ 3.2	20.6	15.9	-1.7	0	14	0	0	4	0	0	0	0	0
MARATHWADA																												
AURANGABAD	35.5	+0.8	40.4	13	22.9	-0.3	20.8	17	66.0	129.8	- 4.3	38.2	17	7	- 0.7	21.3	19.2	0.0	2	9	0	2	6	0	0	0	0	0
AURANGABAD(CHIKALTHAN)	35.3	+0.6	40.2	12	22.4	-0.6	20.4	24	30.8	153.2	+ 3.0	80.7	17	7	- 1.8	22.9	19.8	-0.1	1	8	0	0	5	0	0	0	0	0
PARBHANI	37.8	+0.9	43.9	01	24.5	-0.2	21.5	17	18.0	135.8	- 18.1	30.8	25	9	+ 0.9	14.6	12.8	-3.0	0	11	0	0	6	0	0	0	0	0
NANDER	37.6	..	44.4	01	24.1	..	21.0	22	..	..	..	..	..	..	..	9.0	9.5	..	.	...	0	0	0	0	0	0	0	0
BIR	36.7	..	42.1	01	24.1	..	22.0	26	43.0	72.8	..	23.6	17	6	..	13.5	10.6	..	0	8	0	0	0	0	0	0	0	0
VIDARBHA																												
GONDIA	38.4	+0.3	44.7	03	27.0	-0.4	22.6	28	57.7	103.9	- 58.3	30.8	28	10	+ 1.5	7.5	5.1	-1.9	1	13	0	0	10	0	0	0	0	0
NAGPUR(SONEGAON)	38.4	0.0	45.0	02	26.8	-0.1	22.8	23	48.1	198.4	- 23.6	42.4	28	12	+ 2.1	15.2	14.1	-0.8	0	13	0	0	12	1	0	0	5	0
AMRAOTI	37.7	+0.7	43.2	13	26.1	+0.4	19.8	14	73.0	134.9	- 20.3	42.5	14	8	- 0.3	19.2	15.6	0.0	0	10	0	0	4	0	0	0	0	0
AKOLA AERODROME	38.2	..	44.2	13	22.5	..	18.7	27	23.6	83.9	..	26.0	23	8	..	17.1	16.5	..	1	9	0	0	8	0	0	0	0	0
AKOLA	37.9	+0.5	43.6	13	26.4	+0.2	21.9	23	52.8	104.7	- 30.9	36.1	23	6	- 1.9	9.6	9.5	-5.2	0	8	0	0	1	0	0	0	0	0
BRAMHAPURI	37.9	-0.1	45.6	01	24.5	-1.9	20.7	22	89.6	246.2	+110.7	56.7	16	13	+ 4.3	10.9	8.3	-0.6	0	16	0	0	7	0	0	0	0	0
BULDANA	34.3	+0.4	40.4	13	23.4	-0.1	20.9	17	6.3	141.5	- 17.9	48.0	28	6	- 2.8	14.3	13.9	-0.9	0	11	0	0	1	0	0	0	0	0
YEOTMAL	37.3	+0.4	43.6	03	25.7	+0.3	21.9	24	26.0	157.6	- 27.5	43.0	23	11	+ 1.8	22.6	20.0	+1.0	0	12	0	0	0	6	0	2	0	0
CHANDRAPUR	38.2	+0.5	46.2	02	27.5	+0.6	23.5	23	38.6	146.6	- 48.0	40.3	28	8	- 1.6	16.7	11.5	+1.5	2	12	0	0	16	0	0	0	0	0
PUSAD	38.1	..	43.4	44	26.1	..	21.6	23	63.3	213.9	..	86.2	23	8	..	..	..	..	0	9	0	0	0	0	0	0	0	0
SIRONCHA	37.5	-0.4	46.0	02	26.9	-0.8	21.7	13	34.7	127.6	- 76.9	26.8	18	12	+ 3.3	8.9	6.3	-0.7	0	14	0	0	0	0	1	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JUNE 1967 (JYAISTHA 11 - ASADHA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean minimum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
VIDARBHA (CONTD.)																												
WARDHA	38.4	..	45.0	01	26.3	..	21.6	23	20.2	181.5	..	61.0	23	9	..	13.1	10.7	..	0	10	0	0	1	0	0	0	0	0
BHANDARA	38.5	..	44.7	01	25.1	..	21.3	24	4.9	184.5	..	56.7	29	11	...	5.2	3.9	..	0	15	..	..	..	..	..	.	..	.
COASTAL ANDHRA PRADESH																												
KALINGAPATAM	33.4	-0.2	42.0	06	26.1	-1.0	23.4	28	45.2	251.4	+138.9	81.8	13	6	- 0.1	18.2	14.1	-0.9	0	10	0	0	7	0	0	0	0	0
VISHAKHAPATNAM	35.5	+1.8	45.3	07	27.3	-0.1	21.9	02	66.5	124.4	+ 23.6	50.8	24	8	+ 1.7	19.7	14.9	+1.2	2	12	0	0	10	0	0	0	0	0
KAKINADA	36.4	+0.5	45.9	05	27.4	+0.3	24.3	24	45.2	64.2	- 57.5	32.0	16	5	- 2.3	13.3	10.2	-1.9	0	9	0	0	1	0	0	0	0	0
NIDADAVOLE	36.6	+0.5	44.1	09	27.1	+0.8	23.3	15	12.0	51.8	-103.2	16.4	27	6	- 2.1	15.9	11.6	-0.9	0	10	0	0	0	0	0	0	0	0
RENTACHINTALA	38.3	+0.5	46.0	02	28.2	+0.4	24.3	21	45.6	81.2	- 4.4	38.0	15	6	- 0.3	14.0	11.3	-3.2	0	6	0	0	0	0	0	0	0	0
GANNAVARAM	37.5	0.0	45.4	03	27.3	0.0	24.1	22	27.1	69.8	- 86.0	22.0	22	6	- 2.5	21.2	15.0	-2.6	0	9	0	0	6	0	0	0*	0	0
MASULIPATAM	35.8	-0.6	44.2	04	26.2	-1.2	22.0	21	39.4	145.6	+ 51.9	35.8	17	7	+ 0.9	6.4	4.8	-9.7	0	12	0	0	6	0	0	0	0	0
ONGOLE	38.4	+1.0	45.7	03	28.0	-0.4	22.7	17	16.6	111.4	+ 62.8	62.8	21	6	+ 2.5	15.4	10.9	-0.7	0	7	0	0	0	0	0	0	0	0
NELLORE	38.1	-0.1	44.2	03	27.3	-0.9	22.9	17	6.6	91.2	+ 54.6	51.3	17	6	+ 3.0	13.2	10.9	+1.1	0	7	0	0	6	0	0	0	0	0
TELANGANA																												
RAMGUNDAM	37.9	-0.7	46.0	03	27.1	-1.1	21.2	13	27.2	296.9	+134.7	113.2	13	10	+ 2.9	11.1	8.5	-0.5	0	13	0	0	4	0	1	0	0	0
NIZAMABAD	37.6	+1.4	45.4	01	25.7	+0.3	21.5	23	19.4	86.4	- 62.2	21.6	18	7	- 1.6	13.7	10.1	+1.2	0	10	0	0	1	0	0	0	0	0
HANAMKONDA	36.2	-0.3	43.6	01	26.3	-0.4	22.2	28	72.2	179.8	+ 33.7	44.4	16	8	0.0	10.6	11.9	-1.2	0	9	0	0	4	0	0	0	0	0
HAKIMPET AERODROME	34.8	..	41.9	02	24.4	..	20.8	22	17.6	75.7	..	20.6	28	6	..	..	..	..	0	10	0	0	6	0	0	0	0	0
BHADRACHALLAM	37.6	0.0	45.6	03	27.6	+0.1	24.0	30	17.0	80.0	- 81.8	22.0	22	8	- 2.0	10.0	7.4	-2.8	0	10	0	0	3	0	0	0	0	0
HYDERABAD(BEGAMPET)	35.4	+1.3	42.6	02	24.1	0.0	20.5	22	36.5	124.3	+ 10.5	26.8	17	10	+ 3.4	20.2	16.8	-7.0	1	14	0	0	5	0	0	0	4	0
KHAMMAM	37.6	0.0	45.0	03	27.6	+0.4	23.7	22	13.5	184.1	+ 41.6	51.0	29	7	- 0.2	..	..	..	0	8	0	0	1	0	0	0	0	0
MAHBUBNAGAR	35.3	+1.5	42.5	01	25.1	+1.1	21.3	22	15.8	106.0	- 16.6	26.0	15	7	- 1.1	13.2	11.6	-3.6	0	11	0	0	2	0	0	0	0	0
RAYALASEEMA																												
KURNOOL	37.1	+1.5	43.8	02	25.7	+0.7	22.8	15	2.0	40.7	- 35.2	12.8	03	3	- 2.2	19.1	16.4	-4.7	0	8	0	0	0	0	0	0	0	0
NANDYL	37.5	..	43.9	02	25.6	..	22.0	23	7.8	94.2	..	23.0	21	6	..	17.0	13.6	..	0	7	0	0	2	0	0	0	0	0
ANANTAPUR	36.3	+1.6	41.1	01	25.4	+0.7	22.9	16	4.9	57.8	+ 8.0	35.4	16	4	+ 0.9	19.2	16.5	-1.9	6	5	0	0	5	0	0	0	0	0
CUDDAPAH	37.0	0.0	43.2	01	27.3	+0.4	23.3	23	12.0	91.2	+ 19.6	21.8	23	8	+ 3.3	8.3	7.6	-2.3	0	8	0	0	0	0	0	0	0	0
AROGYAVARAM	32.8	+0.8	36.4	04	22.7	0.0	21.0	22	26.0	56.0	- 0.2	20.0	15	6	+ 2.0	16.6	12.3	-1.5	0	6	0	0	0	0	0	0	0	0
MADRAS STATE(INCLUDING PONDICHERRY)																												
MADRAS	35.7	-0.8	41.5	06	26.8	-0.4	22.5	19	6.8	91.6	+ 42.1	47.4	24	4	- 0.2	14.0	10.7	+0.8	1	5	0	0	1	0	0	0	0	0
MADRAS(MINAMBAKKAM)	36.7	-0.6	41.8	04	26.7	-0.9	22.4	19	0.1	65.2	+ 20.5	19.7	21	4	+ 0.2	16.5	14.1	-2.3	0	6	0	0	5	0	0	0	5	0
VELLORE	36.6	+0.6	40.8	04	25.8	-0.5	22.5	01	18.5	51.3	- 18.8	24.8	01	4	- 0.8	11.5	9.4	-0.4	0	10	0	0	6	0	0	0	0	0
TAMBARAM AERODROME	38.3	..	43.7	03	26.6	..	21.7	19	0.8	90.0	..	38.3	24	3	..	..	..	..	0	7	0	0	6	0	0	0	0	0
TIRUPPATTUR	36.2	+1.3	41.1	02	21.5	-2.2	19.1	22	0.0	93.8	+ 39.0	41.3	01	4	+ 0.4	12.4	7.4	-0.1	0	4	0	0	1	0	0	0	0	0
METTUR DAM R.S	35.2	..	39.2	05	23.9	..	22.0	19	4.2	109.6	..	67.2	19	3	..	7.4	7.5	..	1	8	0	0	0	0	0	0	0	0
CUDDALORE	36.3	-0.6	41.3	04	26.6	-0.4	23.1	21	0.2	34.8	+ 0.8	29.6	21	1	- 1.6	13.7	3.0	-8.8	4	4	0	0	1	0	0	0	0	0
KALLAKURICHCHI	36.9	-0.2	41.7	04	26.1	-0.4	22.8	16	79.0	101.0	+ 46.3	35.4	15	6	+ 2.2	8.6	7.1	..	0	7	0	0	7	0	0	0	0	0
SALEM	34.8	-0.1	38.5	01	24.8	+0.4	22.5	01	22.1	116.7	+ 33.4	71.2	01	5	- 0.5	9.0	7.0	-2.6	0	9	0	0	7	0	0	0	0	0
COIMBATORE(PILAMEDU)	31.9	+0.5	35.3	01	22.4	+0.1	20.1	01	4.0	43.6	+ 12.9	34.3	01	2	- 0.9	31.0	26.4	-6.2	1	3	0	0	4	0	0	0	0	0
COIMBATORE	31.6	+1.1	34.7	01	22.1	-0.4	19.8	23	..	77.0	+ 41.4	71.2	01	2	- 1.5	.	14.5	-1.8	0	3	0	0	0	0	0	0	0	0
NAGAPATTINAM	35.6	-1.0	40.0	07	26.9	-0.1	25.0	17	6.4	26.6	- 0.1	15.8	21	3	+ 1.0	15.8	13.4	+0.9	1	5	0	0	2	0	0	0	0	0
TIRUCHCHIRAPPALLI	36.5	+0.1	40.2	07	26.1	-0.4	22.5	20	82.0	90.8	+ 51.2	48.6	14	3	+ 0.7	17.9	12.8	-6.1	2	5	0	0	7	0	0	0	3	0
VEDARANNIYAM	33.4	..	35.5	12	26.4	..	23.6	25	1.6	63.6	..	45.2	14	3	..	11.9	10.3	..	1	7	0	0	0	0	0	0	0	0
ATIRAMPATTINAM	33.3	..	36.4	29	26.4	..	24.4	16	46.6	107.6	..	48.6	16	5	..	18.4	14.8	..	0	6	0	0	1	0	0	0	0	0
MADURAI	36.3	-0.4	40.0	05	25.3	-1.0	23.1	23	..	96.6	+ 58.7	26.6	15	7	+ 4.3	.	7.7	-1.9	0	8	0	0	2	0	0	0	0	0
MADURAI AERODROME	35.5	-0.7	39.6	05	24.5	-1.0	21.7	21	27.9	126.2	+ 85.6	35.7	13	8	+ 5.0	11.9	8.7	-5.4	0	10	0	0	12	0	0	0	0	0
TONDI	33.3	0.0	38.5	28	25.8	-0.3	23.9	12	24.6	34.1	+ 1.6	25.0	11	2	+ 0.3	19.8	16.8	-0.8	0	4	0	0	4	0	0	0	0	0
PAMBAN	31.6	-0.3	32.8	14	26.1	-1.0	23.0	02	2.8	8.6	+ 4.8	4.6	29	1	+ 0.7	34.7	34.6	+4.3	0	4	0	0	0	0	0	0	0	0
TUTICORIN	35.2	-0.3	37.9	08	24.9	-1.9	22.4	29	10.8	14.0	+ 9.1	7.6	11	3	+ 2.5	19.0	15.3	-2.9	0	3	0	0	0	0	0	0	0	0
PALAYANKOTTAI	36.6	+1.3	40.0	05	24.5	-2.2	21.5	25	5.5	14.5	+ 4.3	6.0	24	1	0.0	16.0	12.2	-3.1	0	7	0	0	1	0	0	0	0	0
KANNIYAKUMARI	30.2	..	33.9	13	24.0	..	21.0	23	44.6	162.2	..	81.6	24	6	..	19.6	17.6	..	0	13	0	0	1	0	0	0	0	0
PONDICHERRY @	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
COASTAL MYSORE																												
KARWAR	30.4	+1.0	33.0	02	24.5	-0.3	21.7	26	195.3	847.8	-126.7	93.0	28	19	- 4.3	8.4	7.0	..	0	20	0	0	0	0	0	0	0	0
HONAVAR	30.0	+0.7	33.8	11	24.0	-0.1	20.8	26	273.7	767.2	-275.7	121.4	29	19	- 6.6	..	..	..	1	20	0	0	8	0	0	0	0	0
MANGALORE(BAJPE)	30.0	+0.9	33.5	01	23.3	+0.2	21.5	29	324.7	808.9	-177.9	127.8	29	23	- 1.7	10.2	7.7	-0.7	0	27	0	0	12	0	0	0	0	0
MANGALORE	30.0	+0.6	32.4	05	24.1	+0.2	22.0	24	324.9	832.7	-134.0	103.3	29	22	- 2.7	10.3	9.4	+0.1	0	25	0	0	5	0	0	0	0	0
INTERIOR MYSORE NORTH																												
BIDAR	34.6	+1.3	42.0	01	23.4	+0.5	19.9	24	69.4	195.8	+ 69.3	53.2	30	11	+ 3.6	19.4	18.2	-2.5	0	12	0	0	0	0	0	0	0	0
GULBARGA	36.2	+1.2	43.2	03	24.2	+0.4	20.8	15	29.2	104.2	- 2.2	27.4	15	9	+ 2.2	15.5	15.3	-3.9	0	12	0	0	4	0	0	0	0	0
BIJAPUR	35.3	+2.0	41.7	01	23.2	+0.8	21.2	30	3.4	16.4	- 59.8	7.6	14	1	- 4.1	14.8	12.5	-1.0	0	7	0	0	1	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – JUNE 1967 (JYAISTHA 11 - ASADHA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
INTERIOR MYSORE NORTH (CONTD.)																												
RAICHUR	36.7	+1.6	42.0	03	25.3	+1.2	22.0	25	8.0	35.7	- 61.1	13.6	23	3	- 3.6	19.4	19.3	-1.4	0	9	0	0	1	0	0	0	0	0
BELGAUM	30.9	+3.4	37.9	01	21.1	+0.5	19.2	22	97.4	204.8	+ 17.1	67.8	29	8	- 4.3	11.0	8.2	-4.8	0	13	0	0	0	0	0	0	0	0
BELGAUM (SAMRA)	30.3	+1.6	37.1	01	21.1	+0.6	19.4	22	52.1	124.0	- 17.2	42.2	29	8	+ 0.1	21.2	17.0	-6.6	0	11	0	0	4	0	0	0	0	0
GADAG	32.8	+1.7	38.2	01	21.7	-0.2	19.9	25	56.6	73.9	+ 2.8	40.5	17	8	+ 2.7	17.8	16.0	-2.2	1	10	0	0	7	0	0	0	0	0
INTERIOR MYSORE, SOUTH																												
BELLARY	36.5	+2.8	41.0	12	24.8	+0.1	21.0	16	45.0	141.0	+ 94.5	35.0	16	6	+ 2.9	15.2	13.6	-0.2	0	6	0	0	1	0	0	0	0	0
CHITRADURGA	32.2	+1.6	37.2	01	21.9	+0.5	20.1	25	10.2	17.2	- 44.5	5.0	24	3	- 1.9	12.9	12.9	-1.3	1	8	0	0	0	0	0	0	0	0
SHIMOGA	31.2	+2.2	35.3	03	20.6	-1.1	18.7	24	47.6	103.2	- 42.6	24.8	29	10	+ 0.1	8.8	6.5	-0.9	0	10	0	0	5	0	0	0	0	0
AGUMBE	25.8	..	29.4	01	19.7	..	16.4	24	..	993.0	..	195.0	29	18	..	.	4.6	..	0	18	0	0	0	0	0	0	0	0
BALEHONNUR	27.4	+2.3	31.8	05	18.2	-0.6	16.1	24	..	376.8	- 25.0	82.4	29	14	- 6.8	..	..	..	0	19	0	0	0	0	0	0	0	0
HASSAN	28.2	+1.4	31.6	04	19.1	-0.3	17.7	25	14.8	80.6	- 3.5	14.4	23	9	+ 0.3	12.4	10.4	-4.5	0	12	0	0	1	0	0	0	0	0
BANGALORE	30.5	+1.6	35.6	01	19.0	-0.7	16.7	22	21.1	81.6	+ 10.7	24.0	12	7	+ 1.3	14.5	10.4	-6.7	1	12	0	0	7	0	0	0	0	0
BANGALORE AERODROME	30.2	+0.5	34.5	01	19.8	-0.1	17.8	22	12.9	118.7	+ 49.3	54.7	14	5	- 1.0	..	..	..	1	8	0	0	8	0	0	0	0	0
MYSORE	29.0	+0.1	34.0	04	20.6	+0.4	19.6	6da	39.2	140.2	+ 79.7	49.0	09	10	+ 4.5	16.1	11.7	-2.2	0	12	0	0	3	0	0	0	0	0
KERALA																												
CALICUT	29.7	+0.2	33.2	07	24.2	+0.4	21.4	30	230.5	729.7	- 94.5	111.0	30	20	- 4.2	10.5	7.1	-2.7	0	26	0	0	5	0	0	0	0	0
PALGHAT	30.1	+0.8	33.4	07	23.3	0.0	21.2	30	74.6	239.8	-171.3	40.4	01	12	- 9.1	13.0	11.1	-1.9	0	17	0	0	3	0	0	0	0	0
FORT COCHIN	29.5	+0.5	32.4	03	23.3	-0.8	22.2	23	102.5	944.0	+212.7	124.5	12	21	- 3.9	10.6	8.4	-0.7	0	24	0	0	10	0	0	0	0	0
COCHIN (NAVAL AIR STATION)	29.9	..	32.6	02	23.9	..	21.8	24	175.6	732.6	..	136.4	12	22	..	9.6	8.4	..	0	26	0	0	15	0	0	0	0	0
ALLEPPEY	30.2	+0.7	33.0	07	24.2	+0.3	22.4	23	187.8	672.4	- 63.0	127.8	10	19	- 4.5	12.7	11.4	-1.2	0	26	0	0	8	0	0	0	0	0
PUNALUR	31.7	+1.3	35.7	02	23.2	-0.1	21.8	5da	113.0	465.6	- 84.7	89.2	09	18	- 1.1	4.2	2.9	-0.8	0	20	0	0	0	0	0	0	0	0
TRIVANDRUM	30.0	+0.6	32.4	02	23.5	-0.1	21.5	23	109.6	423.1	+ 66.7	53.2	23	20	+ 1.9	13.5	9.5	-0.1	0	23	0	0	9	0	0	0	0	0
TRIVANDRUM AERODROME	30.1	+0.4	32.3	13	23.8	0.0	22.3	23	98.6	406.1	+ 36.1	57.2	23	22	+ 4.7	.	11.9	+3.9	0	24	0	0	4	0	0	0	0	0
ARABIAN SEA ISLANDS																												
AMINI	30.5	+0.4	33.6	01	25.3	-0.6	22.9	16	162.9	391.4	+ 10.7	84.7	11	18	+ 0.7	33.0	32.4	+2.7	3	22	0	0	5	0	0	1	0	0
AGATTI	30.3	..	33.4	01	26.9	..	24.5	20	96.9	185.1	..	27.0	11	16	..	21.8	21.9	..	0	20	0	0	10	0	0	0	0	0
ANDROTH	..	..	..	..	..	..	..	..	81.7	327.1	..	119.3	15	19	..	5.2	4.6	..	0	23	0	0	0	0	0	0	0	0
MINICOY	30.3	+0.3	32.1	01	24.7	-0.6	22.2	13	141.5	349.0	+ 39.9	55.1	10	20	+ 2.6	16.5	15.4	-1.7	2	24	0	0	10	0	0	0	0	0
HILL STATIONS (EXCLUDING KASHMIR)																												
DALHOUSIE	28.4	+0.5	32.4	04	18.0	-0.1	12.4	17	16.8	65.2	- 54.4	29.4	16	5	- 1.6	..	..	..	2	6	0	0	4	0	0	0	0	0
DHARMASALA	32.5	+0.3	36.8	04	22.0	-0.8	16.8	17	20.6	167.5	+ 25.2	66.6	27	8	+ 1.1	7.1	5.1	-0.1	1	10	0	0	10	0	0	0	0	0
BHUNTAR	33.6	..	37.9	08	16.7	..	12.1	19	30.9	77.3	..	25.5	17	9	..	11.7	7.2	..	0	11	0	1	13	0	0	0	0	0
SIMLA	25.9	+1.6	29.1	04	16.7	+0.5	12.1	24	40.9	111.5	- 37.6	22.1	27	9	- 0.4	2.1	1.5	-2.2	0	11	0	0	0	0	0	0	0	0
DHARMPUR	..	..	..	..	..	..	..	..	..	144.4	+ 14.5	58.4	30	5	- 1.9	..	..	..	0	6	..	..	..	..	..	.	..	.
GHANGARIA (KANJALIA TOK)	17.9	+9.9	23.3	07	11.3	+0.3	6.8	18	..	77.2	- 40.5	18.4	17	9	- 5.5	..	..	..	0	14	0	0	1	0	0	0	0	0
BADRINATH (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JOSHIMATH	28.3	+0.9	32.8	08	19.2	+2.2	15.6	28	40.0	46.8	- 74.1	14.0	17	6	- 4.2	8.0	6.3	+0.4	0	6	0	0	0	0	0	0	0	0
MUSSOORIE	24.8	+0.7	29.1	04	16.7	+0.3	10.9	10	97.0	180.4	- 30.6	47.0	26	7	- 2.3	10.9	8.2	+0.9	0	8	0	0	6	0	0	0	0	0
MUKTESWAR (KUMAUN)	24.7	+1.5	30.2	04	15.3	+0.5	10.8	16	19.3	106.6	- 69.4	30.6	09	10	+ 0.3	17.0	15.8	+0.4	0	11	0	0	10	1	0	0	0	0
NAINITAL	24.4	+0.4	28.0	02	16.9	0.0	12.3	18	78.0	203.0	- 70.3	56.0	23	10	- 1.4	10.2	7.7	+0.2	0	11	0	0	0	0	0	0	0	0
KALIMPONG	25.1	+0.7	26.6	30	18.7	-0.2	16.5	13	50.8	275.5	-133.7	49.4	10	21	+ 3.9	16.0	13.8	+6.0	0	26	0	0	0	0	0	0	0	0
DARJEELING	18.9	-0.4	21.5	01	13.1	-1.6	11.4	21	74.8	179.8	-417.3	28.0	17	19	- 2.1	3.1	2.5	-0.1	0	24	0	0	0	13	0	0	0	0
KOHIMA (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SHILLONG (C.S.O.)	23.7	-0.8	26.4	05	17.1	-0.8	15.8	16	157.9	305.1	-170.6	57.4	20	16	- 4.3	7.4	8.3	+3.6	0	25	0	0	1	4	0	0	0	0
CHERRAPUNJI	24.0	+1.1	25.0	02	16.4	-0.9	13.3	04	199.2	1617.9	- 60.3	179.4	06	29	+ 3.6	8.8	8.5	-3.4	0	29	0	0	0	25	0	0	0	0
ABU	29.3	+0.2	33.8	02	19.8	-0.7	16.0	04	34.2	59.6	- 41.5	19.6	21	4	- 1.0	10.8	7.3	-4.6	1	6	0	0	1	0	1	0	0	0
AIJAL (R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
PACHMARHI	31.9	+0.5	37.0	14	22.5	0.0	19.0	20	42.2	192.0	- 9.9	33.4	25	11	+ 1.3	7.8	7.8	+0.6	0	12	0	0	15	0	0	0	0	0
MAHABALESHWAR	24.1	+2.2	31.0	02	17.0	+0.1	14.9	25	289.8	562.0	-377.8	103.4	29	18	- 3.2	16.8	16.5	+1.7	0	18	0	0	4	22	0	0	0	0
MERCARA	23.7	+1.8	28.0	01	16.4	-1.0	12.2	30	227.4	474.3	-132.0	127.8	30	15	- 8.0	14.0	12.3	-1.2	0	21	0	0	2	0	0	0	0	0
OOTACAMUND	19.5	+1.5	22.9	02	10.8	-0.3	9.8	5da	113.2	180.0	+ 24.0	37.6	30	14	+ 0.7	10.1	5.7	-4.3	0	18	0	0	2	0	0	0	0	0
COONOOR	23.4	+1.1	27.9	01	13.8	-1.4	11.6	20	..	59.6	- 3.2	13.6	11	8	+ 1.9	..	..	..	0	15	0	0	0	0	0	0	0	0
KODAIKANAL	19.0	+0.5	23.0	02	11.9	-0.3	10.3	23	144.1	161.5	+ 53.3	56.0	04	12	+ 1.9	12.3	13.4	-1.2	3	23	0	1	1	1	0	0	0	0
NEPAL																												
KATMANDU	29.5	0.0	36.0	05	18.7	-0.4	16.4	15	61.2	245.0	+ 37.5	37.8	24	17	+ 3.0	1.8	0.9	-0.8	0	19	0	0	17	0	0	0	0	0
SIKKIM																												
LACHEN	21.9	+4.9	25.9	03	..	..	..	..	..	179.7	- 77.1	30.6	04	14	-10.1	..	..	..	0	17	0	0	0	0	0	0	0	0
HYDROMETEOROLOGICAL OBSERVATORIES DAMODAR CATCHMENT																												
TILAIYA	38.3	..	42.7	04	27.1	..	21.8	17	6.9	51.6	..	24.2	17	2	..	13.2	9.6	..	0	5	0	0	0	0	0	0	0	0
HAZARIBAGH	36.4	..	41.2	04	24.5	..	22.0	20	22.6	83.4	..	23.2	20	6	..	12.8	7.7	..	0	9	0	0	7	0	2	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JUNE 1967 (JYAISTHA 11 - ASADHA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
DAMODAR CATCHMENT.(CONTD.)																												
KONAR	40.3	..	42.5	01	21.2	..	19.9	20	58.7	131.8	..	36.5	16	8	..	6.9	5.1	..	0	9	0	0	0	0	0	0	0	0
BOKARO	39.1	..	45.0	04	23.4	..	18.6	16	94.0	284.8	..	127.2	20	8	..	12.5	9.5	..	0	10	0	0	0	0	0	0	0	0
MAITHON	39.0	..	45.6	04	24.9	..	21.9	18	10.5	84.0	..	62.4	18	4	..	4.3	4.0	..	0	7	0	0	8	0	0	0	0	0
RAMGARH	39.9	..	45.2	07	25.2	..	22.4	09	9.9	37.4	..	16.4	20	4	..	9.4	6.9	..	0	9	0	0	4	0	4	0	0	0
PANCHET HILLS	38.5	..	45.3	04	27.2	..	23.9	18	47.1	66.1	..	19.0	18	6	..	7.1	6.0	..	1	9	0	0	0	0	0	0	0	0
DURGAPUR	37.8	..	44.4	03	26.1	..	23.0	19	26.9	119.3	..	46.8	20	6	..	12.5	13.7	..	1	11	0	0	0	0	0	0	0	0
MAHANADI CATCHMENT																												
GINABAHAR	37.8	..	43.9	03	25.0	..	21.8	23	..	103.8	..	21.0	17	9	..	..	..	..	0	12	0	0	16	0	0	0	2	0
HIRAKUD	39.2	..	45.4	02	28.2	..	24.2	21	28.6	109.6	..	27.5	29	6	..	7.4	6.1	..	0	7	0	0	15	0	0	0	0	0
BHIMKUND	36.9	..	44.2	04	25.2	..	21.8	15	44.9	93.3	..	40.0	22	10	..	8.0	4.6	..	0	3	0	0	17	0	0	0	0	0
SONEPUR	38.4	..	45.3	02	28.3	..	22.3	21	..	320.4	..	176.0	30	8	..	.	3.8	..	0	11	0	0	0	0	0	0	0	0
KHIJRAWAN	36.7	..	43.9	02	25.0	..	20.1	18	101.1	223.2	..	59.6	30	12	..	12.8	9.6	..	0	13	0	0	10	0	0	0	0	0
NARMADA CATCHMENT																												
BAGRA TAWA	38.6	..	45.0	01	26.1	..	21.5	28	19.3	124.2	..	36.6	26	8	..	15.3	11.6	..	0	11	0	0	6	0	0	0	0	0
PUNASA	37.8	..	45.0	13	25.5	..	22.0	16	47.2	130.9	..	33.5	16	5	..	16.4	16.1	..	2	8	0	0	0	0	0	0	0	0
THIKRI	38.3	..	44.0	02	25.9	..	21.9	18	..	65.9	..	27.9	25	5	..	..	..	..	1	9	..	..	..	..	..	.	..	.
SABARMATI CATCHMENT																												
DAROI	38.4	..	41.8	13	18.5	..	15.6	28	4.2	15.2	..	4.2	17	3	..	..	..	..	0	7	..	..	..	..	..	.	..	.
JHADOL	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GANDAK CATCHMENT																												
JAMOSOM	24.1	..	27.1	30	12.2	..	9.7	06	2.0	14.1	..	6.0	18	2	..	..	..	..	0	5	..	..	..	..	..	.	..	.
KHUDI BAZAR	29.8	..	35.0	04	20.4	..	17.9	20	49.6	482.0	..	102.0	26	18	..	..	..	..	0	22	..	..	..	..	..	.	..	.
TIMURE	27.7	..	32.3	05	17.7	..	15.0	14	4.1	65.6	..	12.2	23	7	..	..	..	..	0	16	..	..	..	..	..	.	..	.
POKHARA	29.6	..	34.9	04	21.0	..	18.5	06	189.4	719.1	..	172.9	26	21	..	0.6	0.6	..	0	25	0	0	24	0	0	0	0	0
GORKHA	28.4	..	34.0	04	19.9	..	17.3	10	33.1	358.1	..	90.6	12	16	..	..	..	..	2	20	0	0	15	12	0	0	0	0
NUWAKOT	30.3	..	36.0	04	21.1	..	18.5	19	36.4	173.5	..	35.0	23	15	..	..	..	..	0	17	..	..	..	..	..	.	..	.
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																												
DAILEKH	30.1	..	35.2	04	19.7	..	16.5	15	16.2	131.2	..	65.0	15	6	..	..	..	..	1	10	..	..	..	..	..	.	..	.
GHAGHARA CATCHMENT																												
SALLYANA	29.0	..	34.5	04	19.9	..	14.8	13	67.5	163.6	..	74.4	15	8	..	..	..	..	0	11	..	..	..	..	..	.	..	.
BUTWAL	35.3	..	42.9	04	25.5	..	22.4	07	91.2	464.6	..	104.0	18	13	..	..	..	..	0	16	..	..	..	..	..	.	..	.
BAGHMATI CATCHMENT																												
KATMANDU	..	SEE UNDER NEPAL.				..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
KOSI CATCHMENT																												
CHAUTARA	..	..	..	..	18.5	..	14.1	24	34.0	261.3	..	37.0	17	16	..	..	..	..	0	19	..	..	..	..	..	.	..	.
WALUNGCHUNG GOLA	14.0[6]	..	15.7	21	1.3	..	-0.7	08	60.7	251.2	..	24.1	19	20	..	..	..	..	0	27	..	..	..	..	..	.	..	.
TAPLETHOK	27.6	..	30.4	03	18.1	..	16.8	07	49.6	337.0	..	51.6	12	25	..	..	..	..	1	28	..	..	..	..	..	.	..	.
BHOJPUR	23.2	..	25.6	05	17.7	..	15.5	15	36.7	113.3	..	28.4	15	11	..	..	..	..	0	14	..	..	..	..	..	.	..	.
TAPLEJUNG	23.9	..	26.4	01	16.7	..	15.0	07	53.8	275.7	..	62.8	21	16	..	5.0	3.5	..	0	26	0	0	5	14	0	0	0	0
OKHALDHUNGA	24.3	..	27.6	04	16.4	..	14.1	10	101.4	193.8	..	38.6	04	14	..	4.8	4.2	..	1	22	0	0	11	7	0	0	0	0
CHAINPUR	27.4	..	30.6	04	19.2	..	16.5	07	15.3	54.4	..	11.0	04	8	..	..	..	..	0	13	..	..	..	..	..	.	..	.
ANGBUNG	30.0[b]	..	32.0	30	..	..	..	..	0.0	10.0	..	10.0	01	1	..	..	..	..	0	1	..	..	..	..	..	.	..	.
BARAHAKSHETRA	32.2	..	36.6	01	24.8	..	22.1	14	273.9	560.3	..	121.0	29	18	..	8.4.	5.0	..	1	20	0	0	12	0	0	0	0	0
TISTA CATCHMENT																												
GANGTOK	22.7	..	26.2	29	15.9	..	14.6	06	53.6	550.1	..	78.2	27	24	..	3.8	3.2	..	1	27	0	0	4	26	0	0	0	0
GEZING	24.0	..	28.0	29	17.4	..	15.6	11	46.4	415.1	..	62.4	03	25	..	..	..	..	0	28	..	..	..	..	..	.	..	.

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE ,1967JYAISTHA 11 - ASADHA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
BAYA BANDAR	0830	28	1007.1	1004.0	-0.2	27.9	26.1	25.3	32.2	85	- 1	5.6	-0.7	13.9	0	10	19	00	0	0	1	1	19	8	0	1	0
	1730	28	1005.0	1001.9	-0.5	27.8	26.1	25.3	32.2	87	- 1	6.0	-0.3	14.7	0	9	20	00	0	1	0	0	18	10	0	1	0
LONG ISLAND	0830	25	1007.6	1004.8	+0.6	27.9	26.1	25.3	32.2	86	+ 0	6.2	-0.2	4.8	0	0	24	00	0	0	0	0	20	4	0	6	0
	1730	25	1005.6	1002.8	+0.1	27.7	25.6	24.7	31.1	84	- 2	5.9	-0.7	5.1	0	0	21	00	0	0	0	0	13	8	0	9	0
PORT BLAIR	0530	79	1006.5	997.6	..	25.7	24.7	24.3	30.4	92	..	6.4	..	12.1	0	8	12	00	0	0	0	3	15	2	0	10	0
	0830	79	1007.8	998.9	+0.2	27.8	25.7	24.7	31.1	84	+ 1	6.7	+1.2	15.5	0	11	15	00	0	0	0	7	16	3	0	4	0
	1130	79	1006.7	997.9	..	28.7	26.0	24.9	31.5	80	..	6.9	..	22.1	0	18	11	00	0	0	5	4	18	2	0	1	0
	1430	79	1005.3	996.5	..	28.5	26.0	24.9	31.5	81	..	6.7	..	20.1	0	13	16	00	0	1	5	2	19	2	0	1	0
	1730	79	1005.7	996.9	+0.2	27.2	25.4	24.6	30.9	87	- 1	6.8	-0.6	14.7	0	11	15	00	0	0	0	3	22	1	0	4	0
	2030	79	1007.4	998.5	..	26.4	25.2	24.7	31.1	90	..	4.5	..	9.7	0	7	13	00	0	0	0	1	19	0	0	10	0
	2330	79	1007.1	998.1	..	26.1	25.0	24.5	30.7	91	..	5.3	..	11.9	0	9	12	01	0	0	0	1	16	3	0	9	0
CAR NICOBAR	0830	10	1008.7	1007.5	+0.2	28.2	25.7	24.7	31.1	81	- 3	6.1	-0.5	2.3	0	0	18	00	0	0	0	0	14	4	0	12	0
	1730	10	1006.6	1005.4	+0.1	27.9	25.5	24.5	30.7	82	- 4	5.5	-1.1	1.3	0	0	12	00	0	0	0	0	7	5	0	18	0
NAN COWRY	0830	26	1009.4	1006.5	+0.1	27.8	25.7	24.7	31.1	84	+ 1	5.7	-0.8	9.1	0	0	28	00	0	0	0	3	8	14	3	2	0
	1730	26	1006.8	1003.9	-0.5	27.4	25.5	24.7	31.1	85	+ 2	5.8	-0.7	6.8	0	0	22	00	0	0	0	0	13	8	1	8	0
KONDUL	0830	8	..	..	..	28.4	25.7	24.5	30.7	80	- 3	5.5	-1.0	9.5	0	1	26	00	1	0	0	1	25	0	0	3	0
	1730	8	..	..	..	27.6	25.3	24.3	30.4	82	- 2	5.5	-1.1	8.0	0	1	21	00	0	0	0	0	22	0	0	8	0
NORTH ASSAM (INCLUDING NEFA)																											
PASIGHAT	0830	157	1003.8	986.2	+0.3	25.4	24.0	23.3	28.6	89	+ 6	7.5	+0.6	3.4	0	0	19	00	2	1	1	1	0	0	14	11	0
	1730	157	1000.3	982.8	+0.4	27.1	24.9	23.9	29.7	83	+ 5	6.3	+0.6	2.8	0	0	21	02	0	2	1	3	1	2	10	9	0
DIBRUGARH (MOHANBARI)	0230	111	1001.5	988.9	..	24.4	23.7	23.3	28.6	94	..	7.2	..	5.8	0	0	23	01	16	5	0	0	1	0	0	7	0
	0530	111	1002.3	989.7	..	23.9	23.6	23.5	28.9	97	..	7.0	..	5.6	0	0	27	03	17	4	2	1	0	0	0	3	0
	0830	111	1003.7	991.1	+0.6	25.7	24.4	23.8	29.5	89	+ 5	7.3	+0.2	6.8	0	2	25	02	14	4	1	1	2	2	1	3	0
	1130	111	1002.8	990.3	..	27.3	25.3	24.4	30.5	85	..	7.0	..	7.6	0	0	29	04	14	2	0	2	4	2	1	1	0
	1430	111	1000.4	988.1	..	28.7	25.6	24.3	30.4	77	..	6.4	..	7.7	0	0	28	04	15	3	0	0	4	2	0	2	0
	1730	111	1000.2	987.8	+0.8	27.4	25.1	24.0	29.8	82	+ 5	5.8	-0.2	6.3	0	0	25	04	15	1	2	0	2	0	1	5	0
	2030	111	1001.9	989.4	..	25.5	24.5	24.0	29.8	92	..	5.6	..	2.9	0	0	14	01	11	1	0	1	0	0	0	16	0
	2330	111	1002.1	989.5	..	24.8	24.1	23.7	29.3	94	..	6.5	..	4.6	0	0	19	04	11	0	0	0	1	1	2	11	0
DIGBOI	0830	152	1004.1	987.1	+0.0	26.5	25.4	24.9	31.5	91	+ 6	6.5	-0.5	4.1	0	0	20	03	1	6	1	0	4	2	3	0	0
	1730	152	1000.7	983.6	+0.0	27.3	25.7	25.0	33.0	87	+10	4.8	-1.7	5.0	0	0	19	02	5	1	2	6	1	1	1	1	0
NORTH LAKHIMPUR	0830	102	1003.6	992.1	+0.8	25.6	24.4	23.9	29.7	91	+ 3	7.6	+0.6	4.9	0	0	25	09	8	3	3	1	1	0	0	5	0
	1130	102	1002.9	991.4	..	27.4	25.2	24.2	30.2	83	..	7.3	..	6.7	0	0	28	05	10	5	2	4	2	0	0	2	0
	1430	102	1000.6	989.2	..	28.4	25.5	24.3	30.4	78	..	6.3	..	6.3	0	0	29	04	11	4	2	2	5	0	1	1	0
	1730	102	1000.2	988.8	+0.9	27.4	25.3	24.3	30.4	84	+ 2	6.3	+0.4	3.7	0	0	21	07	8	2	1	1	2	0	0	9	0
	2030	102	1001.9	990.4	..	25.8	24.9	24.5	30.7	93	..	5.5	..	3.3	0	0	17	09	6	0	0	0	0	2	0	13	0
SIBSAGAR	0830	97	1003.5	992.7	+0.8	26.5	25.0	24.3	30.4	88	+ 4	7.7	+0.4	2.2	0	0	25	16	4	2	0	2	1	0	0	5	0
	1730	97	999.7	989.0	+0.8	28.6	25.9	24.7	31.1	80	+ 0	6.4	+0.1	2.9	0	0	28	18	5	0	0	2	3	0	0	2	0
GOHPUR	0830	83	1003.4	994.1	..	26.1	24.9	24.4	30.5	91	+ 4	7.4	..	2.5	0	0	24	00	15	0	3	0	2	0	3	6	1
	1730	83	999.8	990.6	..	28.0	25.7	24.7	31.1	83	+ 3	5.9	..	2.1	0	0	19	00	8	0	7	0	2	0	1	11	1
MAJBAT	0830	83	..	..	-?.H	26.4	25.3	25.0	31.7	91	..	6.2	-0.2	1.2	0	0	9	00	5	2	0	0	1	0	1	20	0
	1730	83	..	..	-?..	28.8	26.5	25.4	32.4	82	..	4.2	-1.3	1.1	0	0	7	00	3	0	0	0	4	0	0	22	0
JORHAT AERODROME	0530	90	1001.7	991.6	..	24.5	24.2	24.1	30.0	97	..	7.3	..	5.7	0	0	16	01	6	1	0	1	0	4	3	14	0
	0830	90	1002.9	992.8	..	27.3	25.4	24.5	30.7	83	..	7.1	..	5.7	0	0	16	02	4	2	0	1	5	1	1	14	0
	1130	90	1002.0	992.0	..	28.6	26.0	24.9	31.5	81	..	6.7	..	13.0	0	4	23	06	7	2	0	0	4	4	4	3	0
	1730	90	999.4	989.4	..	28.1	25.7	24.7	31.1	83	..	5.4	..	6.8	0	0	19	01	10	1	0	1	2	2	2	11	0
	2330	90	1001.3	991.2	..	25.3	24.6	24.3	30.4	94	..	6.2	..	4.3	0	0	11	01	6	0	0	0	1	3	0	19	0
TANGLA	0830	78	1002.1	993.2	+0.0	26.9	25.5	24.9	31.5	91	+ 6	2.6	-3.3	1.3	0	0	15	00	3	0	6	0	6	0	0	15	0
	1730	78	999.1	990.2	+0.5	28.9	27.1	26.4	34.4	87	+ 9	2.3	-2.2	0.9	0	0	11	00	1	0	5	0	5	0	0	19	0
TEZPUR	0830	79	1003.4	994.5	+0.3	26.1	24.5	23.8	29.5	87	+ 2	7.0	+0.5	3.3	0	0	26	00	12	3	1	0	10	0	0	4	0
	1730	79	999.6	990.9	+0.6	29.0	25.7	24.3	30.4	75	- 5	4.7	-0.5	2.3	0	0	21	01	11	1	3	2	3	0	0	9	0
GOLAGHAT	0830	95	1003.2	992.5	+0.3	27.4	25.0	23.9	29.7	81	- 4	4.3	-2.2	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	95	(R)																								
RANGIA	0830	60	1003.8	997.0	..	27.2	25.7	25.1	31.9	88	+ 7	6.7	..	5.0	0	0	25	01	0	8	1	4	0	10	1	3	0
	1730	60	1000.7	993.9	..	29.5	26.7	25.5	32.6	80	+ 4	4.7	..	2.6	0	0	16	00	0	5	0	1	0	9	1	10	0
CHAPARMUKH	0830	66	1003.2	995.9	+0.2	27.6	25.3	24.3	30.4	83	+ 0	6.5	+0.0	3.8	0	0	27	00	4	6	7	3	2	0	4	0	1
	1730	66	999.6	992.3	+0.2	28.4	26.0	25.0	31.7	82	+ 1	5.4	-0.4	3.2	0	0	24	02	7	1	5	1	4	1	3	3	0
GOALPARA	0830	38	1002.6	998.3	+0.7	25.8	24.5	23.9	29.7	90	+ 3	6.9	+0.0	2.1	0	0	26	00	14	1	10	1	0	0	2	2	0
	1730	38	999.1	994.8	+0.4	28.9	26.2	25.1	31.9	81	+ 1	5.5	-0.4	1.9	0	0	27	00	10	1	4	0	3	0	9	3	0
GAUHATI (BHORJOR)	0230	54	1000.8	994.7	..	25.4	24.7	24.3	30.4	94	..	5.4	..	3.0	0	0	12	02	3	1	2	2	0	1	1	18	0
	0530	54	1001.6	995.5	..	25.1	24.5	24.2	30.2	95	..	7.0	..	3.6	0	0	13	03	3	2	1	0	2	0	2	17	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE 1967 (JYAISTHA 11 - ASADHA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.			Mean temperature in °C			Vapour pressure in mb.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															42 or more	20 to 41	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NORTH ASSAM (INCLUDING NEFA) (CONTD.)																											
GAUHATI (BHORJOR) (CONTD.)	0830	54	1003.0	996.8	+0.1	27.2	25.4	24.6	30.9	86	+ 2	7.0	+0.3	6.0	0	1	19	04	5	2	0	2	1	3	3	10	0
	1130	54	1002.1	996.0	..	29.2	25.9	24.5	30.7	76	..	6.7	..	8.0	0	2	22	08	5	2	0	0	0	2	7	6	0
	1430	54	999.8	993.7	..	29.8	26.1	24.5	30.7	74	..	6.4	..	9.2	0	1	27	05	4	3	0	1	3	8	4	2	0
	1730	54	999.2	993.1	-0.1	29.2	25.9	24.5	30.7	76	- 4	5.6	-0.5	4.7	0	0	21	03	4	3	0	2	1	3	5	9	0
	2030	54	1001.1	995.0	..	27.3	25.9	25.3	32.2	89	..	4.3	..	0.7	0	0	3	00	1	1	0	0	1	0	0	27	0
	2330	54	1001.3	995.1	..	26.3	25.3	24.9	31.5	92	..	5.3	..	3.7	0	0	11	03	3	2	0	2	0	0	1	19	0
DHUBRI (RUPSI)	0530	45	1001.2	996.0	..	24.5	23.9	23.6	28.6	95	..	7.4	..	5.4	0	0	21	01	9	6	1	2	1	1	0	9	0
	0830	45	1002.5	997.4	+0.8	26.3	24.9	24.3	30.4	89	+ 4	7.4	+0.9	6.6	0	0	25	02	10	4	2	1	3	1	2	5	0
	1130	45	1002.0	996.9	..	28.2	25.9	24.9	31.5	83	..	7.2	..	8.8	0	0	27	01	5	9	1	4	6	0	1	3	0
	1730	45	999.3	994.3	+1.2	29.1	26.4	25.3	32.2	81	+ 0	5.8	+0.1	5.3	0	0	21	01	6	5	2	2	3	0	2	9	0
DHUBRI	0830	35	1003.1	999.2	+0.7	26.7	25.1	24.4	30.5	88	+ 0	6.7	+0.6	6.8	0	0	29	05	7	8	5	2	2	0	0	1	0
	1730	35	999.8	996.0	+1.0	28.4	26.1	25.1	31.9	83	- 3	5.4	+0.1	7.7	0	3	20	02	7	6	2	2	3	1	0	7	0
LUMDING	0830	149	1003.0	986.6	..	26.3	24.6	23.9	29.7	86	+ 4	6.3	..	0.6	0	0	6	00	0	3	0	3	0	0	0	24	0
	1730	149	999.7	983.2	..	29.6	25.6	23.8	29.5	72	..	5.1	..	1.5	0	0	14	00	0	5	0	4	0	2	3	16	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
TURA	0830	370	1003.2	962.2	+0.2	25.8	24.0	23.2	28.4	85	- 3	7.2	-0.1	1.6	0	0	26	01	2	3	4	9	5	1	1	4	0
	1730	370	999.3	958.7	-0.2	28.2	25.5	24.3	30.4	79	- 5	6.5	-0.3	6.1	0	0	30	03	2	2	6	5	5	7	0	0	0
HAFLONG	0830	682	1005.9	930.8	+1.5	23.1	21.4	20.5	24.1	87	+ 0	5.4	-0.9	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	682	999.6	925.3	+0.1	25.4	22.8	21.6	25.8	79	- 2	5.7	+0.0	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SILCHAR (KUMBHIRGRAM)	0530	97	1001.6	990.7	..	24.2	23.7	23.5	28.9	95	..	7.2	..	5.7	0	1	23	00	5	15	1	0	1	1	0	6	1
	0830	97	1002.9	992.0	+0.7	26.1	24.6	23.9	29.7	88	+ 2	7.1	+0.5	6.6	0	0	22	00	1	13	2	2	0	3	1	8	0
	1130	97	1001.9	991.1	..	27.6	25.0	23.8	29.5	81	..	6.9	..	7.2	0	0	28	00	3	9	2	2	1	7	2	2	2
	1730	97	999.0	988.3	+0.5	28.5	25.5	24.2	30.2	78	- 2	5.8	+0.0	4.7	0	0	21	00	2	4	0	2	6	7	0	9	0
SILCHAR	0830	29	1004.0	1000.7	+0.6	26.3	25.0	24.5	30.7	89	+ 3	6.9	+0.1	0.9	0	0	12	02	1	1	4	0	1	1	2	18	0
	1730	29	1000.6	997.4	+1.0	29.1	25.9	24.5	30.7	77	- 4	5.2	-0.8	0.4	0	0	6	00	1	0	0	0	2	2	1	24	0
IMPHAL (TULIHAL)	0530	781	1003.5	918.1	..	21.7	21.2	20.9	24.7	95	..	6.8	..	2.6	0	0	9	00	0	2	2	3	0	0	2	21	0
	0830	781	1003.8	919.1	-0.3	24.8	22.2	21.0	24.9	81	+ 1	6.7	-0.1	3.1	0	0	12	02	0	3	1	2	0	0	4	18	0
	1130	781	1002.3	918.2	..	26.3	22.8	21.3	25.3	74	..	6.8	..	9.1	0	1	22	01	3	1	0	5	0	3	10	7	0
	1430	781	999.5	916.0	..	27.8	22.9	20.7	24.4	66	..	5.6	..	9.7	0	3	19	00	0	3	1	2	1	7	8	8	0
	1730	781	999.8	915.8	+1.4	26.2	22.5	20.7	24.4	72	- 3	5.6	-0.8	10.3	0	1	25	01	1	2	1	5	2	2	12	4	0
	2030	781	1002.5	917.7	..	23.9	22.1	21.3	25.3	86	..	5.1	..	3.2	0	0	11	00	0	0	3	1	0	5	1	19	1
	2330	781	1003.0	917.9	..	22.9	21.9	21.4	25.5	91	..	6.1	..	2.1	0	0	8	01	2	2	0	1	0	2	0	22	0
KAILASHAHAR	0530	29	1003.2	999.9	..	25.2	24.5	24.3	30.4	94	..	5.6	..	3.0	0	0	22	00	3	4	1	3	10	0	1	8	0
	0830	29	1004.3	1001.1	+0.7	27.9	25.6	24.6	30.9	82	- 1	5.6	-1.2	5.8	0	0	29	01	5	4	1	7	10	0	0	1	1
	1130	29	1003.2	1000.0	..	29.9	26.4	24.9	31.5	76	..	5.8	..	6.7	0	0	29	02	4	3	0	5	10	4	1	1	0
	1730	29	1000.7	997.5	+0.4	28.4	26.1	25.1	31.9	83	+ 3	5.6	-1.1	4.3	0	0	26	01	3	1	2	8	7	2	2	4	0
AGARTALA	0230	16	1000.5	998.7	..	25.8	24.8	24.4	30.5	91	..	5.2	..	10.1	0	2	26	00	0	1	16	10	0	1	0	2	0
	0530	16	1001.4	999.6	..	25.7	24.8	24.4	30.5	93	..	6.0	..	10.5	0	0	27	00	2	2	18	5	0	0	0	3	0
	0830	16	1002.5	1000.7	+0.6	28.9	26.0	24.7	31.1	79	- 5	6.2	-0.6	14.3	0	6	24	00	1	1	12	16	0	0	0	0	0
	1130	16	1001.8	1000.0	..	30.9	26.8	25.1	31.9	72	..	6.4	..	15.1	0	6	24	00	1	1	6	20	1	0	1	0	0
	1430	16	999.8	998.0	..	30.0	26.3	24.7	31.1	74	..	6.6	..	15.6	0	9	21	02	1	1	5	16	5	0	0	0	0
	1730	16	999.3	997.5	+0.4	29.0	26.0	24.7	31.1	78	- 6	5.9	-0.7	14.1	0	4	26	01	1	1	8	18	1	0	0	0	0
	2030	16	1001.2	999.4	..	27.0	25.5	24.9	31.5	88	..	5.5	..	12.0	0	2	27	00	0	2	11	16	0	0	0	1	0
	2330	16	1001.4	999.6	..	26.3	25.1	24.6	30.9	91	..	5.1	..	10.9	0	4	25	01	0	1	16	11	0	0	0	1	0
SUB-HIMALAYAN WEST BENGAL																											
BAGHDOGRA	0230	131	1000.7	985.9	..	25.1	24.2	23.7	29.3	92	..	6.8	..	9.1	0	0	25	00	5	16	2	1	0	0	1	5	0
	0530	131	1001.2	986.4	..	24.3	23.7	23.4	28.8	94	..	7.2	..	11.2	1	1	25	01	6	13	5	1	0	0	1	3	0
	0830	131	1002.5	987.6	+0.8	26.1	24.5	23.8	29.5	88	+ 4	6.9	+0.2	13.1	0	3	26	01	2	21	2	1	1	1	0	1	0
	1130	131	1001.7	987.2	..	28.7	25.6	24.3	30.4	78	..	6.7	..	14.0	0	4	22	00	0	10	14	1	1	0	0	4	0
	1430	131	999.6	985.1	..	29.9	26.4	24.9	31.5	76	..	6.5	..	11.5	0	0	28	00	1	10	11	5	0	1	0	2	0
	1730	131	998.8	984.2	+0.6	28.9	26.0	24.7	31.1	79	+ 2	5.7	-0.2	10.3	0	0	28	00	3	12	10	1	1	1	0	2	0
	2030	131	1000.6	986.0	..	27.0	25.3	24.5	30.7	87	..	5.2	..	9.1	0	1	28	00	7	17	2	2	0	1	0	1	0
	2330	131	1001.4	986.5	..	25.8	24.6	24.1	30.0	90	..	6.3	..	11.0	0	1	25	01	10	12	2	0	0	0	1	4	0
JALPAIGURI	0830	83	1002.4	993.1	+0.5	25.2	23.9	23.3	28.6	89	+ 2	6.7	+1.1	5.5	0	1	28	04	6	12	3	1	1	1	1	1	0
	1730	83	998.4	989.3	+0.1	29.0	25.9	24.5	30.7	78	- 1	4.0	-0.9	3.6	0	0	27	01	6	14	5	0	0	1	0	3	0
COOCH BEHAR AERODROME	0830	43	1003.0	998.2	+1.5	25.9	24.4	23.7	29.3	89	+ 4	6.9	+0.1	5.4	0	0	22	00	8	9	4	1	0	0	0	8	0
	1130	43	1002.4	997.6	..	27.6	25.2	24.1	30.0	82	..	6.9	..	8.3	0	1	24	00	8	11	2	1	1	2	0	5	0
	1730	43	999.1	994.3	+0.9	29.1	26.0	24.5	30.7	78	- 2	5.3	-0.5	4.1	0	0	17	00	7	6	3	1	0	0	0	13	0
BALURGHAT	0830	26	1001.2	998.3	..	29.0	26.2	25.0	31.7	80	..	5.6	..	4.1	0	0	29	02	0	8	14	4	1	0	0	1	0
	1730	26	997.6	994.7	..	30.6	26.9	25.3	32.2	74	..	4.2	..	4.9	0	0	29	00	2	10	15	2	0	0	0	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JUNE ,1967JYAISTHA 11 - ASADHA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. — At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. — At station level	Mean pressure in mbs. — Departure from normal	Mean temperature in °C — Dry Bulb	Mean temperature in °C — Wet Bulb	Mean temperature in °C — Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) — Mean amount	Cloud Amount (Oktas) — Departure from normal	Mean wind speed Km. per hour	No. of observations — Wind Speed (Km. p. h.) — 62 or more	Wind Speed — 20 to 61	Wind Speed — 1 to 19	Wind direction — N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SUB-HIMALAYAN WEST BENGAL (CONTD.)																											
MALDA	0830	31	1001.4	997.9	+0.8	29.6	26.2	24.8	31.3	75	- 6	5.8	-0.4	3.4	0	0	28	00	2	6	9	9	2	0	0	2	0
	1730	31	997.2	993.8	+0.1	32.3	26.4	23.9	29.7	63	-12	4.5	-1.3	3.1	0	0	27	00	1	8	6	8	2	0	1	3	1
GANGETIC WEST BENGAL																											
BERHAMPORE	0830	19	1001.3	999.2	+0.6	29.5	26.8	25.7	33.0	80	+ 0	6.0	-0.1	4.2	0	0	30	00	1	8	2	15	2	2	0	0	0
	1730	19	997.4	995.3	+0.4	31.4	26.8	24.9	31.5	71	- 3	6.1	+0.0	4.3	0	0	29	00	0	11	4	11	0	2	1	1	0
SURI	0830		..	..	..	30.8	26.6	24.8	31.3	71	- 5	4.6	-1.1	5.3	0	0	30	00	1	9	2	16	1	1	0	0	0
ASANSOL	0230	126	998.8	984.7	..	28.0	25.3	24.1	30.0	80	..	3.6	..	4.9	0	0	24	00	1	3	9	8	1	1	1	6	0
	0530	126	999.3	985.2	..	27.5	25.2	24.1	30.0	82	..	5.0	..	4.2	0	0	27	00	2	3	8	10	1	2	1	3	0
	0830	126	1000.4	986.5	+0.6	31.5	26.1	23.7	29.3	65	- 9	5.1	-0.4	5.9	0	0	30	00	1	2	10	10	3	4	0	0	0
	1130	126	999.3	985.6	..	35.9	26.7	22.6	27.4	49	..	4.4	..	7.5	0	1	28	00	2	3	8	5	6	3	2	1	0
	1430	126	996.8	983.2	..	37.8	26.8	21.8	26.1	43	..	5.0	..	7.9	0	1	29	01	6	3	6	5	4	3	2	0	0
	1730	126	996.5	982.8	+0.4	34.6	26.1	22.3	26.9	52	-13	6.2	-0.1	8.1	0	0	30	01	1	6	11	4	0	2	5	0	0
	2030	126	998.9	985.0	..	30.1	25.2	22.9	27.9	68	..	3.8	..	6.7	0	0	28	00	4	2	11	7	1	2	1	2	0
	2330	126	999.6	985.6	..	28.9	25.1	23.4	28.8	74	..	4.7	..	6.5	0	0	28	00	2	4	12	7	2	0	1	2	0
SHANTI NIKETAN	0830	59	1001.1	994.5	..	30.0	27.5	26.5	34.6	82	..	4.8	..	5.1	0	1	25	00	0	5	7	12	2	0	0	4	0
	1130	59	1000.2	993.7	..	33.9	27.8	25.3	32.2	64	..	4.4	..	4.2	0	0	28	00	0	5	14	7	1	0	1	2	0
	1730	59	997.3	990.7	..	33.0	27.0	24.5	30.5	65	..	6.1	..	7.0	0	1	25	01	1	2	17	3	0	1	1	4	0
KRISHNANAGAR	0830	15	1001.0	999.4	+0.5	30.9	27.6	26.3	34.2	77	- 4	4.5	-1.5	4.1	0	0	26	00	0	3	7	12	4	0	0	4	0
	1730	15	998.9	997.3	+1.5	31.5	27.3	25.6	32.8	72	- 6	4.8	-1.4	2.7	0	0	25	00	0	1	4	20	0	0	0	5	0
PURULIA	0830	255	1000.3	972.4	+0.3	30.8	25.2	22.6	27.4	65	- 5	5.7	+0.4	7.0	0	0	30	00	0	4	10	8	5	3	0	0	0
	1730	255	996.4	969.0	+0.3	34.6	25.8	21.7	25.9	51	-10	5.8	-0.9	9.1	0	0	30	01	4	2	14	4	1	0	4	0	0
BANKURA	0830	100	1000.1	989.1	..	30.7	26.7	25.0	31.7	72	..	3.5	..	2.3	0	0	22	00	5	2	5	1	2	1	0	8	6
	1730	100	996.7	985.8	..	33.4	25.6	22.0	26.4	61	..	4.6	..	2.9	0	0	16	00	3	1	3	1	2	1	1	14	4
BURDWAN	0830	32	1000.7	997.1	+0.5	30.7	27.7	26.5	34.6	78	- 2	2.6	-2.2	6.5	0	1	29	00	0	9	4	14	3	0	0	0	0
	1730	32	997.2	993.6	+0.2	32.0	27.1	25.1	31.9	69	- 3	3.3	-2.0	11.7	0	4	26	00	0	7	6	11	3	1	0	0	2
CALCUTTA (DUM DUM)	0230	6	999.0	998.3	..	27.4	26.3	25.9	33.4	91	..	4.8	..	7.7	0	1	27	00	1	4	13	8	2	0	0	2	0
	0530	6	999.5	998.8	..	27.3	26.3	26.0	33.6	92	..	5.6	..	5.1	0	0	23	00	0	5	7	8	3	0	0	7	0
	0830	6	1000.7	1000.0	+0.2	30.5	27.4	26.1	33.8	78	- 1	5.9	-0.6	9.1	0	2	28	00	0	4	14	5	5	2	0	0	0
	1130	6	1000.0	999.2	..	33.1	28.5	26.7	35.0	70	..	5.9	..	10.5	0	4	26	00	0	6	10	6	6	2	0	0	0
	1430	6	998.0	997.3	..	32.8	28.4	26.7	35.0	72	..	5.9	..	10.3	0	2	27	00	0	6	14	7	2	0	0	1	0
	1730	6	997.6	996.9	+0.2	31.3	27.7	26.3	34.2	75	- 2	5.4	-1.0	11.1	0	2	28	00	0	3	16	10	1	0	0	0	0
	2030	6	999.7	999.0	..	28.4	26.3	25.5	32.6	84	..	4.6	..	8.3	0	1	29	00	0	3	15	6	5	0	1	0	0
	2330	6	1000.0	999.3	..	27.8	26.2	25.5	32.6	88	..	4.4	..	8.3	0	2	27	00	0	5	18	4	1	1	0	1	0
CALCUTTA	0830	6	1000.8	1000.1	+0.4	31.1	27.5	26.1	33.8	75	- 5	5.4	-0.7	9.7	0	2	26	00	0	5	6	14	2	1	0	2	0
	1130	6	1000.0	999.3	..	33.6	27.9	25.7	33.0	64	..	5.3	..	9.9	0	1	28	00	0	5	8	11	3	2	0	1	0
	1730	6	997.7	997.0	+0.3	31.5	27.3	25.6	32.8	72	- 5	5.2	-1.1	12.4	0	3	27	00	0	2	10	17	1	0	0	0	0
MIDNAPORE	0830	45	1000.4	995.4	+0.3	30.1	26.9	25.7	33.0	77	+ 1	3.6	-1.8	1.9	0	0	16	00	0	2	2	6	6	0	0	14	0
	1730	45	997.1	992.1	+0.1	32.8	26.3	22.5	27.3	63	- 9	5.1	-1.0	5.5	0	2	25	00	0	1	8	13	5	0	0	3	0
CONTAI	0830	11	1000.6	999.4	+0.4	30.9	27.7	26.5	34.6	78	- 3	4.2	-1.1	12.2	0	7	22	00	0	5	4	11	6	2	1	1	0
	1730	11	998.3	997.2	+0.7	30.2	27.5	26.5	34.6	80	- 2	3.2	-2.2	14.3	0	6	24	01	0	3	7	10	9	0	0	0	0
SAGAR ISLAND	0830	3	1000.3	1000.1	+0.1	30.3	28.1	27.3	36.3	84	+ 4	6.1	+0.1	24.9	0	20	10	00	1	5	8	9	6	1	0	0	0
	1730	3	997.8	997.5	+0.2	30.6	27.8	26.7	35.0	80	- 2	5.6	-0.3	29.5	0	26	4	00	1	6	11	9	3	0	0	0	0
SANDHEADS	0530	10	998.8	997.7	..	29.4	27.4	26.6	34.8	85	..	6.5	..	24.2	0	17	12	00	0	0	4	9	16	0	0	1	0
	0830	10	1000.2	999.1	-0.5	30.3	27.7	26.7	35.0	81	- 1	6.3	+0.5	23.0	0	18	12	00	0	0	7	5	18	0	0	0	0
	1130	10	1000.0	998.9	..	30.8	27.5	26.1	33.8	79	..	6.3	..	23.1	0	18	11	00	0	0	5	5	19	0	0	1	0
	1730	10	997.4	996.3	-0.5	30.3	27.6	26.5	34.6	83	- 2	5.4	-0.2	24.1	0	17	13	00	0	0	6	11	13	0	0	0	0
	2330	10	999.7	998.6	..	29.4	27.6	26.9	35.4	87	..	1.9	..	23.9	0	18	12	00	0	1	5	7	17	0	0	0	0
ORISSA																											
BARIPADA	0830	54	1001.2	995.1	+0.7	31.0	27.1	25.5	32.6	74	- 4	4.0	-1.7	3.8	0	0	26	05	6	1	3	6	4	0	0	4	1
	1730	54	998.2	992.2	+0.4	32.2	26.7	24.2	30.2	67	- 8	5.1	-0.6	3.9	0	0	22	00	1	2	7	6	5	1	0	8	0
JHARSUGUDA	0230	230	998.4	973.1	..	29.0	24.0	21.6	25.8	68	..	5.5	..	5.5	0	0	20	00	3	1	6	2	5	2	1	10	0
	0530	230	998.9	973.4	..	28.2	24.0	22.0	26.4	72	..	6.2	..	5.2	0	0	18	00	2	0	1	5	5	5	0	12	0
	0830	230	1000.2	975.0	+0.3	31.5	25.0	21.9	26.3	61	- 3	5.9	+0.4	10.2	0	1	24	00	2	1	2	2	6	9	3	5	0
	1130	230	999.1	974.3	..	35.4	25.7	21.1	25.0	48	..	5.1	..	12.2	0	2	26	00	3	1	1	1	7	11	4	2	0
	1430	230	996.2	971.6	..	37.8	26.1	20.5	24.1	41	..	5.1	..	13.1	0	4	25	02	4	3	1	1	3	11	4	1	0
	1730	230	995.5	970.8	-0.2	35.8	25.7	20.9	24.7	46	- 6	5.8	-0.6	13.9	0	5	23	02	1	4	3	2	5	9	2	2	0
	2030	230	998.4	973.2	..	31.4	24.8	21.7	25.9	61	..	5.7	..	10.5	0	2	24	02	1	2	7	2	3	5	4	4	0
	2330	230	999.3	973.9	..	29.7	24.4	21.9	26.3	67	..	6.1	..	6.6	0	0	23	00	0	1	6	4	1	5	6	7	0
KEONJHARGARH	0830	463	1000.5	950.4	-0.1	29.7	24.9	22.9	27.9	71	+ 2	3.4	-1.7	1.3	0	0	19	01	0	3	2	1	1	11	0	11	0
	1730	463	996.7	947.1	-0.8	32.0	26.0	23.6	29.1	67	+ 4	4.4	-2.1	1.9	0	0	28	00	10	2	2	2	7	4	1	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JUNE 1967 (JYAISTHA 11 - ASADHA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lt. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORRISA(CONTD)																											
BALASORE	0830	20	1000.4	998.2	+0.3	30.4	27.0	25.0	32.8	77	- 1	4.9	-1.8	13.1	0	7	23	04	2	3	0	6	14	1	0	0	0
	1730	20	997.5	995.3	+0.3	31.2	27.0	25.3	32.2	72	- 5	4.9	-1.8	13.2	0	4	25	00	1	4	7	12	5	0	0	1	0
SAMBALPUR	0830	148	1000.1	983.8	-0.3	32.4	25.0	21.5	25.6	56	-13	4.2	-1.3	2.3	0	0	19	01	1	0	0	2	7	6	2	11	0
	1730	148	997.4	981.3	+1.0	34.5	24.4	19.3	22.4	46	-11	5.2	-0.9	2.9	0	0	25	02	1	0	0	1	13	4	4	5	0
ANGUL	0830	139	1000.6	985.3	+0.1	31.5	26.2	23.9	29.7	67	- 4	5.8	-0.2	3.6	0	0	25	05	1	7	2	0	2	8	0	5	0
	1730	139	996.9	981.9	+0.3	33.7	25.8	22.1	26.6	57	+ 0	6.5	+0.1	4.1	0	0	30	02	0	4	4	6	2	11	1	0	0
CHANDBALI	0830	6	1000.7	1000.0	+0.2	30.5	26.9	25.3	32.2	75	- 4	5.1	-0.5	6.0	0	0	29	03	1	1	3	2	18	1	0	1	0
	1730	6	997.4	996.7	-0.2	31.8	27.1	25.1	31.9	70	- 5	4.8	-0.6	9.0	0	2	27	01	1	5	9	4	9	0	0	1	0
BOLANGIR	0830	190	1000.6	979.6	-0.4	31.1	27.2	25.7	33.0	75	+ 2	5.8	+0.5	4.8	0	0	30	02	0	0	2	15	5	5	1	0	0
	1730	190	996.8	976.2	-0.9	35.3	27.1	23.6	29.1	56	- 6	5.7	-0.6	4.0	0	0	28	02	1	0	2	11	2	10	0	2	0
PHULBANI	0830	464	997.3	947.2	..	29.4	23.4	20.7	24.4	63	..	5.4	..	0.7	0	0	9	04	0	0	0	0	2	3	0	21	0
	1730	464	993.6	944.0	..	31.5	23.9	20.1	23.5	58	..	5.1	..	0.7	0	0	10	00	0	1	4	1	1	2	1	20	0
CUTTACK	0830	27	1001.2	998.3	+0.5	31.1	26.5	24.5	30.7	70	- 6	3.8	-1.3	8.3	0	1	27	02	1	3	0	4	7	11	0	2	0
	1730	27	998.0	995.0	+0.4	33.6	26.9	24.1	30.0	61	- 8	3.7	-2.5	11.3	0	4	25	00	1	3	2	9	10	4	0	1	0
TITLAGARH	0830	211	1001.2	978.0	+0.6	30.1	24.5	21.9	26.3	65	+ 1	3.7	-1.1	1.9	0	0	29	00	2	0	7	0	19	1	0	1	0
	1730	211	997.5	974.4	+0.6	33.7	25.0	20.7	24.4	55	+ 4	3.9	-0.8	1.8	0	0	27	00	2	0	3	0	19	0	3	3	0
BHUBANESWAR	0230	46	999.0	993.9	..	28.1	26.2	25.4	32.4	85	..	4.2	..	13.2	0	7	21	02	1	0	1	4	17	2	1	2	0
	0530	46	999.4	994.2	..	27.6	25.9	25.1	31.9	87	..	5.9	..	12.1	0	7	18	02	3	0	1	5	13	1	0	5	0
	0830	46	1000.8	995.7	+0.2	31.0	26.2	24.1	30.0	69	- 9	5.7	-0.4	15.5	0	5	24	00	5	1	2	2	16	3	0	1	0
	1130	46	999.8	994.7	..	35.0	26.2	22.2	26.7	52	..	5.5	..	17.1	0	9	21	01	3	1	0	2	13	6	4	0	0
	1430	46	997.8	992.7	..	34.7	26.6	22.7	27.6	56	..	6.4	..	21.9	0	14	16	01	3	1	1	5	10	7	2	0	0
	1730	46	997.6	992.5	-0.2	31.9	26.2	23.7	29.3	65	- 6	6.1	-0.1	21.4	0	13	16	00	1	1	1	5	19	1	1	1	0
	2030	46	999.5	994.4	..	29.6	26.3	24.9	31.5	77	..	4.4	..	14.9	0	9	21	00	2	1	1	4	16	5	1	0	0
	2330	46	1000.1	994.9	..	28.7	26.3	25.3	32.2	82	..	4.8	..	12.7	0	6	20	00	1	1	1	8	12	2	1	4	0
PURI	0830	6	1001.0	1000.3	+0.0	30.3	28.2	27.4	36.5	85	+ 3	4.9	-1.0	12.3	0	3	27	01	1	1	2	2	23	0	0	0	0
	1730	6	997.8	997.1	-0.2	30.0	28.8	28.4	38.7	91	+ 6	4.7	-1.2	19.1	0	11	19	00	0	1	5	2	22	0	0	0	0
GOPALPUR	0530	17	999.4	997.5	..	27.5	26.1	25.5	32.6	89	..	5.7	..	11.9	0	6	19	03	0	0	0	0	19	1	2	5	0
	0830	17	1000.9	999.0	-0.1	29.1	26.9	26.0	33.6	83	+ 3	5.2	-0.5	14.9	0	10	18	02	2	1	0	2	19	1	1	2	0
	1130	17	1000.6	998.7	..	30.5	27.4	26.1	33.8	78	..	5.0	..	21.6	0	17	13	05	0	1	2	3	19	0	0	0	0
	1730	17	998.3	996.4	+0.1	29.3	26.8	25.7	33.0	83	- 1	6.5	+0.8	20.6	0	19	11	02	2	0	2	1	21	1	1	0	0
	2330	17	1000.4	998.5	..	28.1	26.4	25.7	33.0	87	..	5.2	..	17.1	0	14	10	00	0	0	1	1	20	0	2	6	0
KORAPUT	0830	913	1455.8	904.6	+0.4	25.3	20.7	18.3	21.0	70	- 7	6.3	+0.8	6.0	0	0	30	00	0	0	0	0	0	30	0	0	0
	1730	913	1429.8	901.4	-0.4	27.9	20.8	18.7	21.6	59	- 8	6.3	+0.3	6.3	0	0	30	00	0	0	0	1	0	29	0	0	0
BIHAR PLATEAU																											
DUMKA	0830	149	1000.6	984.2	+0.7	30.7	26.3	24.4	30.5	70	- 6	3.9	-0.2	4.9	0	0	25	00	1	5	10	3	3	3	0	5	0
	1730	149	996.8	980.6	+0.4	33.1	26.6	23.8	29.5	61	- 9	4.4	-0.8	5.1	0	0	23	01	0	3	12	3	3	1	0	7	0
DALTONGANJ	0830	221	998.8	974.8	+0.0	34.4	24.9	20.2	23.6	46	-10	4.4	-0.3	0.8	0	0	6	00	0	0	0	0	3	0	3	24	0
	1730	221	994.9	971.2	+0.1	36.9	25.3	19.5	22.7	39	- 9	6.5	-0.5	3.7	0	0	27	00	5	0	3	0	5	1	13	3	0
HAZARIBAGH	0830	611	999.2	933.5	+0.2	29.8	22.6	19.1	22.1	57	- 8	4.5	-1.6	8.7	0	0	29	02	0	1	7	2	9	2	6	1	0
	1730	611	995.2	930.4	+0.0	32.7	22.8	17.9	20.5	46	-13	5.1	-1.7	11.9	0	0	30	01	0	6	8	5	3	0	7	0	0
DHANBAD	0830	257	999.9	971.5	-0.2	30.0	25.3	23.1	28.3	69	- 1	4.4	-0.3	3.5	0	0	29	00	2	1	15	2	5	4	0	1	0
	1730	257	995.8	968.0	..	34.4	25.0	20.4	24.0	48	..	5.1	..	4.1	0	0	30	00	3	1	17	0	0	5	4	0	0
RANCHI	0830	655	(R)																								
	1730	655	(R)																								
RANCHI AERODROME	0530	652	998.8	928.1	+2.9	25.7	21.5	19.4	22.5	72	+10	4.6	-2.7	9.0	0	2	20	00	1	4	2	1	8	6	0	8	0
	0830	652	999.2	929.3	+0.0	29.0	22.5	19.3	22.4	60	- 9	4.5	-0.9	14.8	0	9	18	01	1	3	4	1	10	5	2	3	0
	1130	652	998.0	928.9	..	32.8	22.9	18.0	20.6	45	..	4.7	..	21.0	0	17	12	01	4	4	1	1	8	5	4	1	1
	1430	652	995.9	927.0	..	32.9	22.6	17.3	19.7	44	..	5.8	..	22.6	0	15	13	01	5	7	1	3	3	4	4	2	0
	1730	652	995.5	926.3	-0.3	31.7	22.8	18.5	21.3	50	-11	5.7	-0.4	17.9	0	11	17	01	2	8	4	2	4	5	2	2	0
	2030	652	998.1	928.1	..	28.6	22.0	18.7	21.6	60	..	4.4	..	11.9	0	3	22	00	2	4	6	4	4	1	4	4	0
JAMSHEDPUR	0830	129	999.1	984.8	-0.8	30.8	25.2	22.6	27.4	64	- 6	4.6	-0.6	3.1	0	0	28	01	0	7	4	0	4	9	3	2	0
	1730	129	995.6	981.6	-0.6	34.6	25.1	20.5	24.1	49	-11	4.9	-1.5	4.4	0	0	27	01	1	8	7	1	4	4	1	3	0
JAMSHEDPUR P.B.O.	0530	142	998.9	983.1	..	27.7	24.3	22.7	27.6	76	..	5.2	..	3.5	0	0	19	00	3	7	1	1	3	2	2	11	0
	0830	142	1000.1	984.5	+0.5	30.8	25.2	22.6	27.4	64	- 6	5.2	-0.7	6.5	0	0	30	00	8	6	0	5	9	2	0	0	0
	1130	142	999.0	983.6	..	34.9	25.8	21.5	25.6	49	..	4.9	..	6.9	0	0	27	01	5	4	0	2	7	4	4	3	0
	1430	142	996.4	981.1	..	36.7	25.4	19.9	23.2	43	..	4.6	..	8.9	0	0	28	00	2	7	3	4	4	3	5	2	0
	1730	142	996.0	980.7	-0.2	34.6	25.1	20.5	24.1	49	-12	5.7	-1.2	10.1	0	1	29	00	0	13	7	1	3	2	4	0	0
	2030	142	998.5	982.9	..	30.9	24.7	21.7	25.9	62	..	5.0	..	6.4	0	0	24	00	4	11	3	1	3	0	2	6	0
	2330	142	999.3	983.6	..	29.3	24.6	22.3	26.9	68	..	5.0	..	5.2	0	0	23	00	4	8	5	1	0	4	1	7	0
CHAIBASA	0830	226	999.4	974.6	-0.2	30.8	24.4	21.3	25.3	58	-12	6.3	-0.1	3.0	0	0	24	01	5	0	1	1	15	1	0	6	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE ,1967JYAISTHA 11 - ASADHA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or bt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	28 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BIHAR PLATEAU(CONTD.)																											
CHAIBASA	1730	226	996.1	971.6	+0.2	34.8	24.6	19.4	22.5	46	-17	7.0	-0.2	3.7	0	0	26	01	7	1	8	0	5	0	4	4	0
BIHAR PLAINS																											
MOTIHARI	0830	66	1000.1	992.7	+0.1	29.9	26.3	24.8	31.3	73	- 3	2.7	-2.1	6.0	0	0	29	00	4	19	4	2	0	0	0	1	0
	1730	66	996.4	989.1	-0.1	33.2	26.6	23.8	29.5	59	- 8	2.0	-1.7	5.8	0	1	24	00	6	10	5	1	0	2	1	3	0
FORBESGANJ	0830	61	1001.3	994.4	+0.1	27.2	25.0	24.0	29.8	83	+ 1	6.5	+0.3	4.7	0	0	29	00	2	19	8	0	0	0	0	1	0
	1730	61	997.5	990.8	+0.3	30.8	26.5	24.7	31.1	71	+ 0	3.2	-1.9	2.7	0	0	27	00	2	19	5	0	1	0	0	3	0
DARBHANGA	0830	49	1000.3	994.8	+0.0	31.6	27.1	25.3	32.2	71	- 6	3.5	-1.8	3.9	0	0	24	00	7	10	6	0	0	0	1	6	0
	1730	49	996.3	990.9	-0.1	32.8	26.6	23.9	29.7	61	- 5	0.8	-3.1	3.2	0	0	23	00	8	10	5	0	0	0	0	7	0
MUZAFFARPUR	0830		..	..	..	30.0	26.7	25.3	32.2	75	..	3.2	..	4.9	0	0	25	00	1	23	1	0	0	0	0	5	0
	1730		..	..	..	34.1	26.8	23.9	29.7	56	..	1.6	..	4.1	0	0	23	00	7	15	0	1	0	0	0	7	0
CHAPRA	0830	58	999.7	993.3	..	32.3	26.0	23.2	28.4	60	..	2.8	..	3.4	0	0	28	00	15	0	9	0	3	0	1	2	0
	1730	58	995.7	989.4	..	36.3	26.2	21.5	25.6	45	..	2.7	..	3.3	0	0	27	00	17	1	3	0	3	0	3	3	0
PURNEA	0830	38	1001.4	997.2	+0.7	28.0	25.8	24.9	31.5	84	+ 3	4.9	-1.0	2.5	0	0	29	02	1	25	0	0	0	0	1	1	0
	1730	38	997.5	993.3	+0.5	31.3	27.0	25.3	32.2	69	- 5	2.7	-2.0	2.7	0	0	27	01	7	18	1	0	0	0	0	3	0
PATNA	0830	53	999.7	993.9	+0.3	31.3	25.8	23.3	28.6	63	- 8	3.4	-1.5	9.1	0	0	30	00	19	4	3	0	1	2	1	0	0
	1730	53	995.4	989.7	-0.2	36.5	26.2	21.5	25.6	44	-13	2.9	-1.8	9.5	0	0	28	00	18	1	3	0	1	4	1	2	0
PATNA AERODROME	0230	60	(R)																								
	0530	60	997.8	991.1	..	28.3	25.0	23.5	28.9	76	..	4.4	..	10.0	0	1	29	01	5	19	3	1	0	1	0	0	0
	0830	60	999.2	992.5	-0.2	31.9	25.5	22.6	27.4	59	-13	3.9	-0.8	13.1	0	5	24	00	2	18	4	0	1	3	1	1	0
	1130	60	998.5	991.9	..	35.8	25.8	21.1	25.0	44	..	4.3	..	13.7	0	2	28	00	4	12	3	1	1	4	2	0	3
	1430	60	995.9	989.5	..	37.9	25.8	19.7	22.9	37	..	4.7	..	13.2	0	4	26	02	8	10	1	0	0	2	3	0	4
	1730	60	994.6	988.2	-0.6	36.8	25.6	20.2	23.7	40	-14	3.5	-0.8	13.8	0	5	24	00	7	12	2	0	0	2	5	1	1
	2030	60	997.0	990.4	..	32.8	25.6	22.3	26.9	55	..	3.0	..	12.3	0	3	26	00	5	17	2	1	1	2	1	1	0
	2330	60	998.0	991.3	..	30.5	25.7	23.6	29.1	68	..	2.6	..	14.2	0	6	24	00	2	20	3	3	1	1	0	0	0
BHAGALPUR	0530	49	999.0	993.5	..	27.4	25.4	24.5	30.7	84	..	5.7	..	3.8	0	0	28	00	2	14	11	1	0	0	0	2	0
	0830	49	1000.2	994.8	+0.0	30.9	26.4	24.5	30.7	69	- 7	4.8	-0.7	3.5	0	0	29	00	0	14	13	0	1	0	1	1	0
	1130	49	999.7	994.4	..	34.6	27.1	23.9	29.7	55	..	4.9	..	4.2	0	0	30	00	1	14	12	0	0	1	2	0	0
	1730	49	996.2	990.8	-0.3	34.2	27.1	24.1	30.0	57	- 9	5.0	-0.3	5.0	0	1	28	01	2	17	7	2	0	0	0	1	0
	2330	49	999.4	993.9	..	29.1	26.2	24.9	31.5	78	..	3.9	..	4.5	0	0	30	00	1	16	9	3	0	0	0	0	1
SABAUR	0830	37	1000.6	996.5	+0.5	30.7	27.6	26.3	34.2	78	- 1	4.6	-1.1	10.8	0	2	28	01	2	14	10	2	0	1	0	0	0
	1730	37	996.3	992.2	-0.1	34.3	29.2	27.3	36.3	67	- 4	4.1	-1.5	12.9	0	4	25	02	7	13	6	0	1	0	0	1	0
JAMUI	0830	82	(R)																								
	1730	82	(R)																								
DEHRI	0830	107	998.4	986.7	-0.1	34.4	25.4	21.1	25.0	49	-13	2.5	-1.7	3.3	0	0	28	02	1	6	9	1	3	3	3	2	0
	1730	107	994.1	982.6	-0.5	38.1	25.8	19.9	23.2	37	-11	4.5	-0.2	5.3	0	0	30	00	7	5	1	0	4	7	6	0	0
GAYA	0230	116	997.6	984.8	..	30.8	24.0	20.6	24.3	57	..	2.8	..	8.2	0	1	26	00	2	8	7	5	2	2	1	3	0
	0530	116	998.0	985.1	..	29.8	23.9	20.9	24.7	61	..	3.5	..	7.0	0	0	27	02	3	10	4	5	1	2	0	3	0
	0830	116	999.2	986.9	+0.7	34.2	24.9	20.3	23.8	47	-10	4.1	-0.2	10.8	0	3	25	01	3	8	2	2	4	7	1	2	0
	1130	116	998.6	986.0	..	38.0	25.2	18.7	21.6	35	..	3.4	..	14.1	0	6	24	02	4	7	2	0	1	8	5	0	1
	1430	116	996.1	983.6	..	40.0	25.2	17.4	19.9	29	..	4.4	..	16.3	0	9	21	04	7	4	0	0	0	7	8	0	0
	1730	116	994.9	982.4	-0.1	38.5	24.8	17.5	20.0	32	-15	4.6	-0.4	17.2	0	7	23	05	7	8	1	0	0	3	6	0	0
	2030	116	997.1	984.5	..	34.5	24.6	19.6	22.8	45	..	3.9	..	15.1	0	11	18	02	4	8	8	2	2	2	1	1	0
	2330	116	998.2	985.4	..	32.2	24.4	20.5	24.1	52	..	3.8	..	11.1	0	2	25	00	5	9	6	3	2	2	0	3	0
UTTAR PRADESH EAST																											
KHERI	0830	147	(R)																								
	1730	147	(R)																								
BAHRAICH	0830	124	(R)																								
	1730	124	(R)																								
NAUTANWA	0830	99	1000.4	989.4	-0.1	29.5	25.0	22.9	27.9	70	- 2	3.4	-0.4	6.1	0	0	27	00	5	14	6	0	1	0	1	3	0
	1730	99	996.4	985.5	-0.1	34.1	26.0	21.8	26.1	54	- 4	1.5	-1.2	5.4	0	1	25	02	3	16	2	0	2	0	1	4	0
HARDOI	0830	142	998.8	983.2	+0.5	32.9	24.2	19.4	22.5	48	-14	1.1	-2.0	3.1	0	0	27	03	0	8	0	3	0	13	0	3	0
	1730	142	995.0	979.6	+0.8	36.5	24.2	16.4	18.6	40	- 3	1.4	-1.2	2.7	0	0	27	04	1	2	0	2	3	15	0	3	0
GONDA	0830	110	999.5	987.3	+0.2	31.4	25.2	21.8	26.1	61	- 8	3.0	-0.8	4.2	0	0	28	02	0	23	0	0	0	0	3	2	0
	1730	110	994.9	983.2	+0.1	37.7	25.7	19.3	22.4	39	-12	2.2	-1.0	3.5	0	0	26	03	0	16	0	0	0	3	4	4	0
LUCKNOW	0830	111	..	..	-A.?	..	..	..	..	..	..	2.0	-2.0	2.8	0	0	21	00	2	13	0	0	0	5	0	9	1
	1730	111	..	..	- .?	..	..	..	..	..	..	1.5	-1.3	3.4	0	0	23	01	1	3	0	0	1	16	0	7	1
LUCKNOW(AMAUSI)	0230	128	996.6	982.6	..	30.3	22.9	18.4	21.1	53	..	2.1	..	9.0	0	3	24	01	2	11	2	1	2	5	3	3	0
	0530	128	997.0	982.9	..	29.0	22.9	19.0	22.0	60	..	3.0	..	9.6	0	2	25	02	2	11	2	0	1	5	4	3	0
	0830	128	998.4	984.4	-0.3	32.5	24.2	19.4	22.5	51	- 9	1.9	-1.6	16.5	0	14	14	00	4	9	4	0	1	4	6	2	0
	1130	128	998.1	984.2	..	36.7	24.8	17.7	20.2	38	..	2.6	..	18.7	0	16	14	03	2	6	6	1	0	3	9	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE ,1967JYAISTHA 11 - ASADHA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gms. of normal standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																											
LUCKNOW(AMAUSI)	1430	128	995.7	982.3	..	39.0	23.8	15.3	17.4	30	..	2.7	..	18.7	0	14	16	03	3	4	7	0	0	2	11	0	0
	1730	128	994.2	980.5	-0.3	38.2	24.0	14.7	16.7	31	-10	2.4	-1.1	15.0	0	9	21	04	2	4	5	0	0	4	11	0	0
	2030	128	994.2	981.8	..	33.9	23.7	18.0	20.6	42	..	2.4	..	7.5	0	3	19	01	1	7	3	1	0	7	2	8	0
	2330	128	997.0	983.0	..	31.7	23.3	18.1	20.8	49	..	1.8	..	8.0	0	1	23	01	1	10	5	0	2	4	1	6	0
FAIZABAD	0830	102	998.9	987.7	-0.6	30.9	25.3	22.4	27.1	65	- 5	3.1	-1.7	5.6	0	0	27	01	4	5	12	0	0	4	1	3	0
	1730	102	994.8	983.8	-0.7	36.4	25.5	19.6	22.8	42	-10	2.6	-1.9	4.1	0	0	17	01	1	4	4	0	0	7	0	13	0
GORAKHPUR	0830	77	999.5	990.9	+0.0	30.7	25.5	23.2	28.4	66	- 6	3.6	-0.7	3.1	0	0	30	01	3	21	0	2	0	3	0	0	0
	1730	77	995.5	987.2	+0.1	36.3	26.2	21.3	25.3	46	- 9	2.3	-1.3	2.7	0	0	28	06	2	13	0	1	1	5	0	2	0
GORKHPUR P.B.O	0230	78	..	..	..	..	..	..	..	..	..	2.6	..	9.4	0	1	29	02	7	14	5	0	0	1	1	0	0
	0530	78	..	..	..	..	..	..	..	..	..	4.5	..	8.5	0	0	29	00	9	14	4	0	0	1	1	1	0
	1130	78	..	..	..	..	..	..	..	..	..	4.5	..	12.2	0	4	26	03	4	8	6	3	2	3	1	0	0
	1430	78	..	..	..	..	..	..	..	..	..	4.8	..	10.5	0	2	28	03	4	6	8	0	3	3	3	0	0
	2030	78	..	..	..	..	..	..	..	..	..	1.6	..	8.7	0	1	28	03	9	12	3	0	0	2	0	1	0
	2330	78	..	..	..	..	..	..	..	..	..	2.0	..	9.8	0	1	29	01	5	16	5	0	1	2	0	0	0
KANPUR	0830	126	999.1	985.2	+0.3	33.1	24.2	19.0	22.0	48	- 6	2.5	-0.6	12.0	0	0	29	01	1	11	1	0	0	14	1	1	0
KANPUR(AERODROME)	1730	126	995.3	981.7	+0.6	39.0	24.8	16.5	18.8	32	- 6	2.4	-0.5	10.1	0	0	30	06	1	7	0	3	1	7	5	0	0
	0530	126	997.1	983.2	..	29.8	22.6	17.9	20.5	53	..	3.1	..	8.5	0	1	25	02	0	8	1	2	3	7	3	4	0
	0830	126	998.5	984.8	..	33.9	24.4	18.7	21.6	45	..	2.8	..	12.2	0	2	27	01	2	8	2	0	2	7	6	1	1
	1130	126	998.1	984.6	..	38.4	25.2	17.7	20.2	34	..	2.5[b]	..	13.6	0	5	23	04	0	4	4	1	0	2	11	2	2
	1730	126	994.6	980.9	..	38.7	24.3	15.0	17.0	32	..	2.8	..	14.1	0	3	27	07	3	4	1	1	1	6	7	0	0
	2330	126	997.1	983.3	..	32.7	23.6	17.9	20.5	47	..	1.8	..	7.7	0	0	21	01	1	5	3	0	2	5	4	9	0
SULTANPUR	0830	97	998.8	989.2	-1.6	32.5	25.2	21.6	25.8	54	- 8	2.7	-2.2	4.5	0	0	25	00	2	13	5	0	1	4	0	5	0
	1730	97	994.9	984.4	-0.6	38.8	25.7	18.3	21.0	31	-18	3.5	-0.2	3.1	0	0	25	00	2	10	2	1	2	6	2	5	0
AZAMGARH	0830	78	998.8	990.3	+0.3	32.1	26.6	24.1	30.0	65	- 7	3.0	-0.7	6.0	0	0	30	01	9	10	2	1	0	6	1	0	0
	1730	78	994.9	986.6	+0.2	37.3	27.6	23.3	28.6	47	-10	2.4	-0.5	3.7	0	0	26	02	7	8	0	1	0	8	0	4	0
FATEHPUR	0830	114	998.6	986.1	+0.1	34.2	25.2	20.4	24.0	48	- 6	1.9	-1.5	11.5	0	6	22	01	3	4	2	1	4	8	5	2	0
	1730	114	994.9	982.6	+0.4	38.5	25.3	17.9	20.5	36	- 5	3.3	-0.2	10.3	0	3	25	01	4	4	1	0	4	3	11	2	0
BALLIA	0830	64	999.9	992.9	+0.0	32.5	26.3	23.4	28.8	60	- 8	2.5	-1.1	1.3	0	0	14	00	1	11	2	0	0	0	0	16	0
	1730	64	995.9	989.3	+0.6	38.8	28.1	23.8	29.5	43	- 4	4.0	+0.7	2.7	0	0	19	00	6	9	1	0	0	2	1	11	0
BANDA	0830	121	998.3	985.2	-0.4	35.3	25.8	21.2	25.2	47	- 7	1.7	-1.0	2.9	0	0	25	00	2	0	0	0	22	0	1	5	0
	1730	121	994.7	981.6	+0.0	38.2	24.8	17.6	20.1	36	- 8	3.8	+0.6	2.7	0	0	22	00	2	0	1	0	15	1	3	8	0
ALLAHABAD(BAMHRAULI)	0230	98	996.9	986.1	..	31.1	23.7	19.3	22.4	54	..	2.7	..	2.9	0	0	21	02	4	2	0	5	5	3	0	9	0
	0530	98	997.2	986.4	..	30.2	23.3	18.8	21.7	55	..	3.5	..	3.9	0	0	23	00	3	3	3	3	4	6	1	7	0
	0830	98	998.7	988.0	+0.0	34.3	24.6	18.9	21.8	46	- 8	2.7	-1.3	8.7	0	1	25	05	1	5	2	1	1	10	1	4	0
	1130	98	998.2	987.6	..	38.6	25.5	18.0	20.6	35	..	2.8	..	8.7	0	1	28	02	4	6	0	1	1	9	6	1	0
	1430	98	995.8	985.4	..	40.4	25.4	16.3	18.5	30	..	3.9[c]	..	9.2	0	0	28	03	5	3	0	1	0	11	5	2	0
	1730	98	994.6	984.1	-0.1	38.4	24.8	16.6	18.9	34	- 4	3.5[b]	-0.6	6.8	0	0	28	00	6	5	1	2	0	6	8	2	0
	2030	98	996.3	985.7	..	34.6	24.9	19.6	22.8	46	..	3.1[c]	..	4.5	0	0	22	02	4	2	2	4	5	3	0	8	0
	2330	98	997.3	986.6	..	32.8	24.2	19.3	22.4	49	..	3.1	..	7.4	1	0	22	00	3	3	3	7	4	3	0	7	0
VARANASI(BABATPUR)	0530	85	997.2	987.6	..	30.0	23.9	20.7	24.4	62	..	3.0	..	7.2	0	0	26	00	2	10	2	4	5	2	1	4	0
	0830	85	998.7	989.2	-0.5	33.5	25.2	20.5	24.1	51	-10	3.1	-0.7	12.3	0	2	28	00	3	7	3	0	4	6	4	0	3
	1130	85	998.1	988.8	..	37.6	25.7	19.1	22.1	38	..	3.6	..	12.7	0	0	29	02	4	4	1	0	1	8	7	1	2
	1730	85	994.5	985.3	-0.6	38.2	25.0	17.3	19.7	35	-10	3.5	-0.4	12.1	0	0	30	02	10	3	1	0	2	4	8	0	0
	2330	85	997.4	987.9	..	32.1	24.6	20.7	24.4	54	..	3.1	..	9.5	0	1	26	00	2	12	1	5	2	5	0	3	0
VARANASI	0830	76	998.7	990.3	-0.1	32.7	25.2	21.4	25.5	54	- 5	2.8	-1.5	2.0	0	0	25	00	2	5	2	1	1	12	2	5	0
	1730	76	994.9	986.6	+0.3	38.4	25.2	17.6	20.1	35	-10	4.4	-0.2	3.6	0	0	29	00	5	8	0	0	1	9	6	1	0
UTTAR PRADESH WEST																											
MUKHIM	0830		..	..	..	21.4	15.9	12.3	14.3	59	- 3	4.0	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	22.5	16.1	11.6	13.6	53	- 3	4.2	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TEHRI	0830	770	~~1000.8~~	~~924.4~~	...	27.5	20.2	16.0	18.2	52	- 2	3.3	+0.9	1.9	0	0	19	02	6	1	2	2	0	1	5	11	0
	1130	770	~~1005.9~~	~~924.6~~	...	34.7	21.7	13.9	15.9	31	..	2.9	..	2.5	0	0	22	02	7	3	0	5	1	4	0	8	0
	1730	770	~~1003.9~~	~~922.0~~	...	34.7	21.6	13.7	15.7	33	- 3	3.6	-0.3	5.3	0	0	25	01	3	0	2	5	4	5	5	5	0
DEHRA DUN	0530	682	998.3	924.2	..	25.2	19.8	17.0	19.4	64	..	4.1	..	0.3	0	0	2	01	1	0	0	0	0	0	0	28	0
	0830	682	998.7	925.5	+0.1	28.7	22.2	18.7	21.6	58	+ 0	3.1	-0.1	0.5	0	0	8	00	1	1	1	3	0	1	1	22	0
	1130	682	997.5	925.2	..	32.7	23.1	17.8	20.4	47	..	2.9	..	1.1	0	0	10	01	0	0	2	1	2	4	0	20	0
	1730	682	993.8	922.1	+0.0	33.7	23.3	17.7	20.2	45	+ 2	3.0	-0.1	1.2	0	0	15	00	1	1	0	1	1	8	3	15	0
	2330	682	997.2	923.8	..	27.7	21.7	18.0	20.6	59	..	3.0	..	0.1	0	0	1	01	0	0	0	0	0	0	0	29	0
MANSIARI	0830		..	..	..	19.3	14.7	11.7	13.7	62	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	20.4	14.9	11.3	13.4	56	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ROORKEE	0830	274	999.0	969.1	+0.5	31.2	22.9	18.0	20.6	49	- 6	2.8	-0.5	1.4	0	0	21	01	0	1	11	0	0	0	8	9	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE ,1967JYAISTHA 11 - ASADHA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST(CONTD.)																											
ROORKEE	1730	274	994.7	965.5	+0.8	37.7	24.2	16.1	18.3	33	- 4	1.7	-1.0	1.5	0	0	23	00	2	1	3	0	0	0	17	7	0
NAJIBABAD	0830	270	999.3	969.7	+0.2	30.5	23.8	20.3	23.8	57	- 2	2.6	+0.7	6.2	0	0	29	00	0	21	1	0	1	4	2	1	0
	1730	270	994.4	966.1	-0.3	37.7	26.0	20.0	23.4	40	+ 0	1.8	+0.0	6.5	0	0	30	00	0	18	1	1	0	9	1	0	0
MEERUT	0830	222	1000.1	975.7	+1.5	32.0	23.5	18.6	21.4	48	- 6	0.0	-1.1	4.6	0	0	21	00	1	7	2	0	1	9	1	9	0
BAREILLY	0830	173	998.7	979.7	+0.1	31.7	24.7	21.0	24.9	57	- 1	2.4	-0.8	14.0	0	6	24	02	2	10	4	0	2	6	4	0	0
	1730	173	994.1	975.5	+0.0	38.0	25.3	18.1	20.8	38	- 3	2.4	-0.4	6.7	0	0	27	02	4	3	1	0	1	13	3	3	0
BAREILLY P.B.O.	0230	172	996.5	977.4	..	30.6	21.8	16.9	19.3	49	..	2.0	..	6.7	0	0	28	00	1	9	5	0	0	13	0	2	0
	0530	172	997.3	978.1	..	29.1	22.0	18.3	21.0	56	..	2.5	..	7.0	0	1	26	01	2	12	2	0	0	9	1	3	0
	1130	172	998.3	979.5	..	35.1	24.2	19.0	22.0	45	..	2.8	..	10.7	0	2	28	02	1	6	7	1	1	4	8	0	0
	1430	172	..	..	..	..	..	..	..	..	..	2.8	..	9.7	0	1	29	02	0	6	7	1	0	6	8	0	0
	2030	172	995.6	976.8	..	33.8	22.8	17.3	19.7	42	..	1.3	..	4.9	0	1	23	01	3	6	3	0	0	11	0	6	0
	2330	172	996.6	977.7	..	32.0	22.2	16.8	19.1	46	..	1.5	..	5.5	0	0	29	00	1	9	4	1	4	10	0	1	0
ALIGARH	0830	187	999.3	978.4	+0.5	32.5	23.7	18.4	21.1	48	- 2	2.5	+0.2	8.8	0	1	28	01	1	6	1	1	1	12	6	1	0
	1730	187	995.1	974.5	+0.4	38.2	24.2	15.2	17.3	31	- 6	2.9	+0.1	5.0	0	0	29	03	0	9	0	0	1	13	3	1	0
MAINPURI	0830	157	998.9	981.7	+0.5	34.1	25.2	20.8	24.6	48	- 3	2.0	-1.5	11.3	0	8	19	00	0	5	1	0	0	21	0	3	0
	1730	157	994.3	977.5	+0.2	39.3	25.9	18.9	21.8	35	- 2	2.1	-1.4	8.7	0	2	23	00	3	1	2	0	2	17	0	5	0
AGRA	0830	169	999.1	980.7	+0.6	34.3	26.5	22.9	27.9	49	+ 1	1.8	-0.9	2.7[a]	0	0	10	01	1	0	0	0	0	4	0	4	6
	1730	169	994.6	976.5	+0.1	39.4	27.8	23.0	28.1	41	+ 7	3.1	+0.0	3.8[a]	0	0	14	00	1	0	1	0	5	0	7	3	0
AGRA AERODROME	0230	169	996.5	978.1	..	31.4	23.2	18.4	21.1	50	..	2.1	..	14.5	0	1	28	01	0	2	4	0	3	11	8	1	0
	0530	169	997.3	978.6	..	29.8	23.0	18.8	21.7	55	..	2.4	..	15.8	0	4	26	00	2	2	2	1	1	14	8	0	0
	0830	169	998.9	980.5	..	33.3	25.0	20.3	23.8	50	..	2.3	..	19.3	0	9	21	05	4	2	1	0	1	8	9	0	0
	1130	169	998.4	980.2	..	38.0	25.9	19.6	22.8	37	..	2.3	..	18.5	0	10	19	10	1	4	3	0	0	4	6	1	1
	1730	169	994.7	976.3	..	39.0	25.1	17.0	19.4	32	..	2.6	..	19.2	0	5	24	08	2	4	1	0	0	5	9	1	0
	2330	169	997.1	978.7	..	31.9	23.4	18.2	20.9	47	..	2.7	..	12.1	0	0	28	01	2	2	3	1	2	10	7	2	0
ORAI	0830	141	998.6	983.4	-0.2	36.7	25.6	20.3	23.8	39	-14	1.7	-0.9	4.0	0	0	30	04	9	0	0	0	0	2	15	0	0
	1730	141	994.7	979.6	-0.1	38.5	25.4	18.2	20.9	35	- 7	2.6	-0.6	5.0	0	0	30	12	5	0	0	0	2	5	6	0	0
JHANSI	0830	251	999.4	972.1	+0.4	32.7	23.9	18.7	21.6	48	+ 0	2.6	-0.6	1.5	0	0	18	01	0	1	0	1	0	14	1	12	0
	1730	251	994.8	968.1	+0.3	38.8	24.7	16.6	18.9	31	- 6	4.2	-0.3	2.6	0	0	23	09	0	5	0	0	0	9	0	7	0
HARYANA(INCLUDING DELHI AND CHANDIGARH)																											
CHANDIGARH	0830	347	997.3	959.1	-0.4	30.5	21.5	15.7	17.8	44	- 2	2.2	+0.8	3.1	0	0	14	00	8	1	2	0	0	0	3	16	0
	1730	347	993.4	956.3	-0.4	37.9	22.6	11.7	13.7	24	- 6	2.0	+1.2	4.7	0	0	25	00	2	0	5	0	16	0	2	5	0
AMBALA	0830	272	997.9	967.7	-0.7	30.1	23.1	19.2	22.2	54	+ 5	2.1	+0.0	2.0	0	0	13	00	1	0	8	1	0	1	2	17	0
	1730	272	993.6	965.3	+0.4	38.7	26.8	21.1	25.0	37	+ 5	1.0	-1.1	5.2	0	0	28	00	6	0	13	0	1	0	8	2	0
AMBALA P.B.O.	0230	278	992.2	961.9	..	31.5	21.5	16.3	18.5	42	..	1.7	..	5.3	0	0	18	00	0	0	9	0	0	1	8	12	0
	0530	278	996.4	965.9	..	29.9	20.9	16.2	18.4	46	..	2.5	..	4.7	0	0	21	00	0	1	10	1	0	4	5	9	0
	1130	278	997.5	966.7	..	36.6	23.6	17.7	20.2	35	..	1.6	..	13.7	0	5	20	00	0	1	8	1	1	2	12	5	0
	1430	278	995.0	965.5	..	39.1	24.1	17.0	19.4	29	..	1.6	..	9.6	0	1	28	02	0	0	10	0	2	4	11	1	0
	2030	278	994.1	964.3	..	35.6	23.1	16.8	19.1	36	..	1.2	..	5.4	0	0	22	00	0	0	7	0	0	3	12	8	0
	2330	278	995.4	965.3	..	33.6	22.4	16.6	18.9	39	..	1.4	..	7.0	0	2	18	00	0	3	6	0	0	1	10	10	0
AMBALA AERODROME	0530	274	996.7	966.4	..	27.5	21.1	16.7	19.0	53	..	2.9	..	13.1	0	3	19	00	0	8	4	1	2	4	2	8	1
	0830	274	997.7	967.9	..	32.6	22.7	17.1	19.5	44	..	2.5	..	19.5	0	16	13	00	2	9	1	3	3	6	3	1	2
	1130	274	996.8	967.5	..	37.5	24.3	16.7	19.0	33	..	2.2	..	23.4	0	19	10	00	0	5	6	1	2	10	3	1	2
	1730	274	993.6	964.4	..	38.6	23.8	14.5	16.5	29	..	2.0[b]	..	24.1	0	18	12	00	1	5	2	2	3	9	7	0	1
	2330	274	995.7	965.9	..	31.6	22.4	16.6	18.9	44	..	1.5	..	12.7	0	6	20	02	0	7	3	1	0	9	4	4	0
KARNAL	0830	249	998.1	970.9	+0.1	32.6	23.2	17.5	20.0	43	-12	1.8	-0.4	4.7	0	0	30	10	1	6	2	3	0	5	3	0	0
	1730	249	993.7	967.1	-0.4	38.6	23.7	13.8	15.8	28	- 6	0.9	-1.1	4.2	0	1	28	04	0	3	3	3	0	7	9	1	0
HISSAR	0530	221	997.0	972.6	..	29.2	24.2	21.8	26.1	66	..	2.3	..	6.7	0	1	28	00	0	1	4	4	12	7	1	1	0
	0830	221	998.5	974.4	+0.3	32.4	26.3	23.5	29.0	61	+ 9	1.3	-0.2	8.1	0	2	27	01	0	2	1	2	12	8	3	1	0
	1130	221	997.9	974.2	..	37.7	28.2	24.1	30.0	47	..	2.6	..	11.6	0	5	25	02	0	1	1	2	9	12	3	0	0
	1430	221	996.1	972.6	..	40.2	28.2	23.0	28.1	40	..	2.7	..	10.5	0	2	26	01	0	2	2	0	7	14	2	2	0
	1730	221	994.5	970.9	+0.1	39.4	27.2	21.3	25.3	39	+ 6	2.1	+0.5	4.8	0	1	26	04	1	3	1	1	3	10	4	3	0
	2330	221	996.4	972.2	..	32.4	25.5	22.2	26.7	58	..	0.7	..	4.5	0	0	23	01	1	1	1	2	10	3	4	7	0
NEW DELHI/SAFDARJUNG	0230	216	997.1	973.4	..	31.3	22.1	16.0	18.2	45	..	1.9	..	8.1	0	1	25	00	0	5	3	1	7	8	2	4	0
	0530	216	997.5	973.7	..	30.0	21.9	16.4	18.6	48	..	2.4	..	9.7	0	2	25	00	0	4	4	0	7	10	2	3	0
	0830	216	998.9	975.2	+0.7	32.7	23.6	18.3	21.0	45	- 3	2.4[c]	-0.2	18.0	0	13	17	01	0	5	3	1	4	11	5	0	0
	1130	216	998.4	975.1	..	36.8	24.7	17.9	20.5	36	..	2.3[c]	..	15.9	0	13	14	02	1	3	3	0	2	8	8	3	0
	1430	216	996.5	973.3	..	38.7	24.5	15.8	17.9	30	..	2.7[c]	..	14.7	0	9	21	03	1	3	2	1	1	9	10	0	0
	1730	216	994.8	971.7	+1.1	38.6	24.1	15.0	17.0	30	- 2	2.8[c]	+0.0	12.4	0	5	24	02	3	3	3	0	1	9	8	1	0
	2030	216	995.8	972.4	..	35.3	23.5	16.4	18.6	37	..	2.1[b]	..	5.5	0	0	19	00	0	4	4	0	1	6	4	11	0
	2330	216	997.0	973.4	..	32.6	22.6	16.7	19.0	41	..	2.0	..	8.5	0	1	25	01	1	2	5	1	7	7	2	4	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JUNE ,1967JYAISTHA 11 - ASADHA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HARYANA(INCLUDING DELHI AND CHANDIGARH) (CONTD.)																											
PALAM AERODROME	0230	233	996.5	971.2	..	30.1	21.4	15.5	17.6	46	..	2.1	..	13.3	0	5	23	01	0	5	3	1	12	4	2	2	0
	0530	233	997.4	971.7	..	28.9	21.0	15.6	17.7	49	..	2.3	..	13.1	0	4	25	01	0	3	4	3	13	4	1	1	0
	0830	233	998.8	973.4	..	32.9	23.2	17.2	19.6	43	..	2.4	..	24.3	0	16	13	03	0	3	2	2	6	10	3	1	0
	1130	233	997.9	972.9	..	37.4	23.6	14.7	16.7	29	..	2.0	..	18.6	0	12	18	04	3	2	1	1	3	9	7	0	0
	1430	233	996.0	971.2	..	39.3	23.4	12.2	14.2	26	..	2.8	..	20.4	0	13	17	05	5	2	1	1	2	5	9	0	0
	1730	233	994.2	969.5	..	39.0	23.1	11.5	13.5	26	..	2.7	..	18.1	0	10	19	01	1	5	1	2	0	8	11	1	0
	2030	233	995.5	970.4	..	35.0	22.5	14.1	16.1	33	..	2.0	..	12.3	0	3	26	02	0	3	4	3	7	6	4	1	0
	2330	233	996.8	971.6	..	32.2	21.9	13.4	15.4	40	..	1.9	..	12.1	0	4	24	01	1	4	3	4	10	3	2	2	0
PUNJAB																											
PATHANKOT	0530	312	996.7	962.6	..	28.6	19.8	13.3	15.3	42	..	2.7	..	8.8	0	1	20	01	14	5	0	0	0	0	1	9	0
	0830	312	997.9	964.0	+0.0	33.7	21.5	13.1	15.1	34	- 1	2.4	-0.2	11.5	0	3	23	00	12	9	3	1	0	0	1	4	0
	1130	312	997.2	963.7	..	33.8	25.5	12.1	14.1	26	..	2.2	..	16.0	0	7	22	02	4	4	2	11	4	2	0	1	0
	1730	312	993.8	960.6	-0.9	39.0	22.4	10.1	12.3	21	- 7	2.5	-0.4	21.7	1	13	14	00	5	3	0	3	7	4	6	2	0
	2330	312	995.9	962.2	..	30.9	21.0	14.1	16.1	40	..	2.1	..	12.8	1	3	17	01	10	5	0	2	0	3	0	9	0
AMRITSAR	0530	234	996.8	970.7	..	26.2	21.0	17.9	20.5	61	..	2.3	..	7.4	0	2	20	01	5	7	4	0	1	1	3	8	0
	0830	234	997.7	972.1	+0.0	32.5	22.5	16.3	18.5	40	- 6	2.1	+0.5	10.5	0	7	18	02	1	5	5	2	2	2	6	5	0
	1130	234	997.2	972.1	..	37.9	23.4	14.4	16.4	27	..	1.7	..	16.0	0	9	21	02	2	4	4	4	5	4	5	0	0
	1430	234	995.1	970.3	..	40.6	23.4	11.8	13.8	21	..	1.5	..	13.5	0	6	23	02	2	1	6	3	4	6	5	1	0
	1730	234	993.5	968.7	+0.0	40.3	23.3	11.4	13.5	21	- 5	1.9[b]	+1.0	16.8	0	12	16	00	4	1	1	2	7	6	7	2	0
	2030	234	994.6	969.3	..	34.2	22.8	15.7	17.8	35	..	1.9[b]	..	8.7	0	2	22	01	4	1	1	1	8	7	1	6	0
ADAMPUR AERODROME	0830	249	997.8	970.4	..	32.5	22.4	16.7	19.0	41	..	2.0	..	15.0	0	6	22	02	1	4	8	6	1	3	3	2	0
	1730	249	993.2	967.8	..	38.5	23.3	13.8	15.8	25	..	1.2	..	21.7	0	15	14	00	0	2	3	5	3	10	6	1	0
LUDHIANA	0830	247	997.7	971.0	-0.3	32.2	22.9	18.0	20.6	43	- 6	1.9	-0.2	3.4	0	0	21	00	4	2	7	0	2	1	5	9	0
	1730	247	993.9	967.7	+0.0	39.4	24.1	14.8	16.8	26	- 6	0.9	-0.9	8.6	0	2	26	02	4	0	2	3	5	0	12	2	0
FEROZEPUR	0830	200	998.3	976.4	+1.3	31.9	23.3	18.4	21.2	47	- 6	1.8	+0.6	2.2	0	0	22	05	0	1	0	6	2	3	5	8	0
	1730	200	993.7	973.6	+1.8	40.2	24.9	15.4	17.5	25	- 6	1.2	+0.4	3.2	0	1	27	06	1	2	1	5	2	1	10	2	0
HALWARA AERODROME	0530	242	996.9	970.0	..	26.3	20.5	16.8	19.1	57	..	2.4	..	8.8	0	3	19	03	1	1	9	3	2	2	1	8	0
	0830	242	997.7	971.4	..	33.2	22.8	16.4	18.6	39	..	2.0	..	16.3	0	11	15	02	0	0	9	3	3	5	4	4	0
	1130	242	997.0	971.4	..	37.4	24.2	16.0	18.2	32	..	1.7	..	20.0	0	13	16	02	0	0	9	2	0	7	9	1	0
	1730	242	993.9	968.1	..	39.3	23.6	13.5	15.5	24	..	1.5	..	17.4	0	12	18	03	2	1	4	2	2	1	15	0	0
	2330	242	996.2	969.7	..	29.8	22.1	17.0	19.4	48	..	1.2	..	8.4	0	2	16	01	0	1	4	6	2	1	3	12	0
PATIALA	0830	251	998.3	970.9	+0.3	31.9	23.1	17.7	20.2	46	- 5	1.9	+0.2	9.7	0	1	21	04	1	0	8	0	2	0	7	8	0
	1730	251	993.5	966.9	+0.0	38.3	23.5	13.9	15.9	28	- 3	1.2	-0.8	11.1	0	2	22	04	0	0	5	5	9	9	15	6	0
BHATINDA	0830	211	997.4	974.8	..	33.3	25.9	22.2	26.8	54	+ 0	0.6	-1.4	3.2	0	0	27	00	0	0	4	0	4	0	19	3	0
	1730	211	993.8	971.4	..	40.3	27.3	20.1	23.5	34	- 3	0.2	-1.4	3.4	0	0	21	00	0	0	7	0	6	0	8	9	0
HIMACHAL PRADESH																											
MANDI	0830	761	1000.6	918.3	+0.8	25.3	19.6	15.7	17.8	60	+ 3	3.1	+0.9	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730	761	993.5	914.0	-0.3	34.1	21.9	14.4	16.4	36	- 5	3.8	+0.4	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
BILASPUR	0830	587	998.9	935.5	-0.2	28.9	22.3	18.9	21.8	59	+ 7	3.2[b]	+0.7	1.3	0	0	13	00	1	0	2	1	4	3	2	17	0
	1730	587	993.6	932.2	-0.3	35.9	24.0	17.6	20.1	38	+ 3	2.8[b]	-0.5	6.2	0	1	27	01	1	0	1	2	9	4	10	2	0
JAMMU AND KASHMIR																											
MISGAR	0830		(R)																								
	1730		(R)																								
GILGIT	0830		(R)																								
	1730		(R)																								
SKARDU	0830		(R)																								
	1730		(R)																								
LEH	0530	3514	[illegible]																								
	0830	3514	3094.0	666.3	+0.5	12.6	6.8	0.5	6.3	46	+ 7	1.2[d]	-1.9	3.2[d]	0	0	27	00	1	0	0	0	26	0	0	0	0
	1730	3514	3028.8	662.2	-0.1	20.5	9.1	-2.3	5.0	22	- 2	2.1[b]	-1.4	6.7[b]	0	0	29	05	6	0	0	0	13	5	0	0	0
SRINAGAR	0230	1587	1438.7	935.5	..	16.8	14.7	13.5	15.5	81	..	2.1	..	0.4	0	0	3	00	0	0	0	0	0	0	3	27	0
	0530	1587	1443.6	835.9	..	15.6	13.9	12.9	14.8	86	..	2.2	..	1.7	0	0	15	00	2	0	8	0	0	0	5	15	0
	0830	1587	1452.1	837.0	+0.3	20.1	15.8	13.1	15.1	65	-10	2.3	-0.1	1.5	0	0	17	00	0	0	12	0	1	0	4	13	0
	1130	1587	1446.5	836.1	..	24.7	17.7	13.8	15.8	51	..	2.4	..	2.6	0	0	26	00	0	1	5	0	3	4	13	4	0
	1430	1587	1429.6	835.1	..	27.4	18.4	13.4	15.4	43	..	3.0	..	2.5	0	0	23	00	2	0	2	0	2	3	14	7	0
	1730	1587	1417.1	834.1	+0.3	27.4	18.0	12.8	14.8	42	- 3	3.2	-0.7	2.4	0	0	22	00	2	0	5	1	0	4	10	8	0
	2030	1587	1425.4	834.5	..	21.8	16.9	13.9	15.8	62	..	3.0	..	1.8	0	0	15	00	2	1	6	0	1	0	5	15	0
	2330	1587	1434.1	835.3	..	19.1	15.7	14.0	16.0	72	..	1.5	..	0.5	0	0	5	00	0	0	3	0	0	0	2	25	0
SRINAGAR AERODROME	0530	1666	1443.5	828.5	..	15.1	12.3	10.2	12.4	73	..	2.6	..	3.1	0	0	11	00	0	0	1	2	2	6	0	19	0
	0830	1666	1450.1	829.7	..	20.1	14.9	11.4	13.5	59	..	2.5	..	2.8	0	0	11	02	0	1	0	2	0	3	3	19	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JUNE ,1967JYAISTHA 11 - ASADHA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs.: At station level	Mean pressure in mbs.: Departure from normal	Mean temperature in °C: Dry Bulb	Mean temperature in °C: Wet Bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km p. h.): 62 or more	Wind Speed (Km p. h.): 20 to 61	Wind Speed (Km p. h.): 1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD.)																											
SRINAGAR AERODROME	1130	1666	1445.2	829.5	..	23.8	15.9	10.9	13.0	46	..	2.6	..	5.5	0	0	16	02	1	2	0	2	1	5	3	14	0
	1730	1666	1418.7	827.1	..	26.7	16.3	9.3	11.7	35	..	3.4	..	6.5	0	2	15	03	0	2	0	0	1	3	8	13	0
	2330	1666	1433.8	827.9	..	18.4	14.0	10.8	12.9	62	..	1.7	..	3.5	0	0	12	00	0	1	1	1	0	4	5	18	0
GULMARG	0830	1690	3097.5	737.8	+0.1	15.9	10.7	6.4	9.6	55	-10	2.7	+0.2	2.7	0	0	22	00	8	7	4	0	1	1	1	8	0
	1730	1690	3089.0	736.8	..	17.7	11.7	6.5	9.7	52	..	3.9	..	4.3	0	0	17	00	4	4	3	0	6	0	0	13	0
QAZIGUND	0830	2655	..	..	..	18.9	15.0	12.3	14.3	67	..	2.5	..	0.5	0	0	3	00	1	1	1	0	0	0	0	27	0
	1730	2655	..	..	..	25.3	17.1	12.4	14.4	45	..	3.0	..	1.6	0	0	10	00	1	1	1	2	2	2	1	20	0
BANIHAL	0830	1630	..	..	..	20.0	15.5	12.7	14.7	64	..	2.6	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1630	..	..	..	26.4	17.8	12.5	14.5	44	..	3.5	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
JAMMU	0830	366	996.5	956.7	..	32.0	22.8	15.7	17.8	40	- 1	1.6	-0.7	4.4	0	0	25	00	21	0	4	0	0	0	0	5	0
	1730	366	990.5	951.8	..	38.0	24.8	18.0	20.6	34	..	2.4	..	4.2	0	0	30	00	30	0	0	0	0	0	0	0	0
JAMMU AERODROME	0530	292	996.7	964.3	..	28.4	19.7	13.4	15.4	43	..	2.7	..	6.9	0	2	14	02	9	1	3	1	0	0	0	14	0
	0830	292	997.6	965.8	..	32.9	21.9	14.6	16.6	37	..	2.0	..	8.4	0	5	17	05	6	1	5	3	0	1	1	8	0
	1130	292	996.8	965.5	..	37.4	23.0	13.8	15.8	28	..	1.7	..	11.2	0	6	17	01	2	1	5	7	2	4	1	7	0
	1730	292	993.4	962.4	..	39.6	22.7	10.9	13.0	21	..	2.7	..	7.6	0	2	17	02	2	0	0	5	4	5	1	11	0
	2330	292	995.8	963.7	..	32.2	21.3	13.7	15.7	35	..	2.2	..	5.2	0	2	9	04	0	1	2	2	0	1	1	19	0
GULMARG (RESEARCH INSTITUTE)	0830		..	..	..	15.6	10.5	6.1	9.4	56	..	2.7	..	..	.	..	..	00	2	14	3	2	0	9	0	0	0
	1130		..	..	..	17.7	12.4	8.3	10.9	57	..	3.7	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	17.6	11.6	6.4	9.6	53	..	4.1	..	..	.	..	..	00	3	10	0	0	0	15	2	0	0
RAJASTHAN,WEST																											
GANGANAGAR	0530	177	996.4	976.8	..	29.1	21.4	16.4	18.6	49	..	1.0	..	2.9	0	0	21	00	2	0	4	1	14	0	0	9	0
	0830	177	997.8	978.4	+0.4	32.5	23.1	17.7	20.3	45	+ 0	1.0	+0.2	6.7	0	2	24	00	0	0	5	0	18	3	0	4	0
	1130	177	997.2	978.1	..	37.8	24.4	16.8	19.1	32	..	1.4	..	7.1	0	1	26	00	2	1	0	2	14	7	1	3	0
	1730	177	993.5	974.8	+0.3	40.9	24.0	13.4	15.4	23	- 4	1.1	+0.1	4.5	0	0	25	00	3	0	2	0	15	3	2	5	0
	2330	177	995.6	976.3	..	32.1	22.8	17.4	19.9	44	..	0.5	..	2.5	0	1	10	00	0	0	3	1	7	0	0	19	0
ANUPGARH	0830	154	(R)																								
	1730	154	(R)																								
MAHAJAN	0830	187	997.1	976.6	..	33.3	27.8	25.6	32.8	65	..	.	..	10.1	0	0	30	01	1	1	1	2	24	0	0	0	0
	1730	187	992.8	973.0	..	39.8	25.5	18.0	20.6	32	..	.	..	9.1[d]	0	0	26	01	5	0	1	2	15	2	0	1	0
CHURU	0830	291	999.2	967.4	-0.2	31.8	25.5	22.4	27.1	59	+ 7	1.4	-0.7	18.6	0	15	13	00	0	2	0	3	1	22	0	2	0
	1730	291	994.8	963.9	-0.2	39.0	24.6	15.0	17.1	31	- 1	2.0	-1.3	14.8	0	5	25	06	0	2	0	3	1	13	5	0	0
BIKANER	0830	224	999.2	974.7	+0.7	31.7	24.1	20.2	23.7	51	+ 2	0.8	-0.1	16.0	0	10	19	00	1	0	0	3	19	4	2	1	0
	1730	224	995.1	971.2	+0.9	39.2	23.5	12.9	14.9	25	- 3	2.5[b]	+0.8	12.3	0	5	22	01	3	0	1	3	13	5	1	3	0
BIKANER P.B.O.	0530	224	997.7	973.0	..	29.6	23.4	20.0	23.4	58	..	1.2	..	9.8	0	2	26	00	0	0	1	3	22	2	0	2	0
	1130	224	998.5	974.3	..	37.1	24.6	17.8	20.4	35	..	1.0[b]	..	11.1	0	1	29	01	1	0	1	1	16	9	1	0	0
	1430	224	996.2	972.4	..	40.5	24.5	14.3	16.3	24	..	1.9[a]	..	9.9	0	3	26	01	3	0	0	4	14	6	1	1	0
	2030	224	995.8	971.6	..	36.1	23.2	14.5	16.5	33	..	2.0	..	7.3	0	0	28	00	1	1	3	5	12	5	1	2	0
	2330	224	997.0	972.7	..	34.0	22.8	15.5	17.6	37	..	1.6	..	8.3	0	2	24	01	1	0	1	5	17	1	0	4	0
NAGAUR	0830	298	1000.0	967.3	+0.3	30.7	25.4	22.9	27.9	63	+ 8	1.8	+0.7	17.3	0	10	20	00	1	0	0	11	16	2	0	0	0
	1730	298	995.0	963.5	+0.6	37.3	27.4	22.7	27.6	47	+16	3.2	+1.6	12.7	0	5	25	01	1	1	1	8	12	3	3	0	0
PHALODI	0830	234	999.9	974.2	+0.3	29.8	25.3	23.3	28.6	68	+ 2	0.9	-0.7	25.7	0	19	11	00	0	1	2	6	17	3	1	0	0
	1730	234	996.3	971.4	+0.5	39.2	25.8	18.6	21.4	34	+ 0	1.8	-0.2	19.5	0	17	13	01	2	1	1	6	11	6	2	0	0
JAISALMER	0830	242	998.9	972.3	+0.4	29.5	24.7	22.6	27.4	68	+ 1	1.8	+1.2	11.5	0	0	30	00	0	0	0	16	14	0	0	0	0
	1730	242	994.2	968.5	+0.3	40.0	26.0	18.9	21.9	32	+ 0	2.5	+1.2	8.6	0	1	28	00	1	1	0	13	10	4	0	1	0
JODHPUR	0230	224	999.3	974.5	..	30.4	23.9	20.4	24.0	57	..	2.4	..	13.9	0	6	23	00	0	1	1	1	16	10	0	1	0
	0530	224	999.7	974.9	..	28.2	23.5	21.0	24.9	64	..	2.4	..	12.4	0	4	24	00	0	0	1	2	17	7	1	2	0
	0830	224	1001.2	976.5	+0.9	30.1	24.5	21.7	25.9	61	+ 1	2.5	+0.0	15.2	0	7	23	00	0	1	1	2	18	8	0	0	0
	1130	224	1000.5	976.1	..	35.1	25.5	20.7	24.4	45	..	1.9	..	16.9	0	9	21	00	0	0	1	2	17	8	2	0	0
	1430	224	998.2	974.3	..	38.7	25.8	19.0	22.0	34	..	2.5	..	18.4	0	14	16	01	1	1	2	4	13	8	0	0	0
	1730	224	996.5	972.6	+1.1	39.1	25.4	17.9	20.5	31	+ 1	2.3	+0.1	17.2	0	12	18	00	1	1	3	2	14	8	1	0	0
	2030	224	997.9	973.5	..	34.6	24.8	19.6	22.8	44	..	2.8	..	12.9	0	2	27	00	0	1	5	3	16	4	0	1	0
	2330	224	999.2	974.6	..	32.4	24.5	20.2	23.7	52	..	2.7	..	15.4	0	7	22	00	2	1	0	3	17	6	0	1	0
BARMER	0530	194	999.1	977.5	..	27.9	22.4	19.2	22.2	60	..	2.6	..	4.5	0	0	27	00	0	0	0	2	18	5	2	3	0
	0830	194	1000.4	978.9	+0.4	29.6	24.2	21.5	25.6	62	- 7	3.1	+0.3	4.8	0	0	29	00	0	0	0	7	20	1	1	1	0
	1130	194	1000.1	978.9	..	34.5	25.1	20.4	24.0	44	..	1.9	..	4.9	0	0	28	00	0	0	0	8	16	3	1	2	0
	1730	194	995.9	975.2	+0.7	40.1	25.9	18.6	21.2	30	- 5	2.2	+0.6	4.4	0	0	26	00	0	0	2	4	14	4	2	4	0
	2330	194	998.6	977.4	..	33.0	24.0	19.3	22.4	46	..	1.2	..	7.4	0	0	29	00	0	0	1	3	18	6	1	1	0
ERINPURA (JAWAI DAM)	0830	295	1001.2	968.7	-0.2	29.3	25.4	23.7	29.3	72	+ 1	2.1	-1.2	4.7	0	0	26	00	1	0	11	5	5	4	0	4	0
	1730	295	997.1	965.3	+0.3	34.9	27.2	24.1	30.0	55	+ 9	3.0	-0.5	4.9	0	0	27	00	0	0	4	6	13	3	1	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JUNE 1967 (JYAISTHA 11 - ASADHA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gram. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN, EAST																											
PILANI	0830	301	999.8	966.9	+0.2	31.3	23.8	19.6	22.8	54	+12	1.4	+0.4	24.2	0	18	12	01	0	1	2	0	11	14	1	0	0
	1730	301	995.5	963.4	+0.3	37.4	23.6	13.9	15.7	34	+ 9	2.3	+0.3	17.5	0	10	20	04	0	2	2	1	6	9	6	0	0
SIKAR	0830	433	999.4	952.4	+0.1	29.9	24.7	22.2	26.7	65	+ 5	1.2	-1.1	1.6	0	0	17	00	0	0	1	0	1	14	1	13	0
	1730	433	995.1	949.3	+0.3	36.9	26.4	21.2	25.2	44	+ 2	1.8	-1.5	1.7	0	0	21	00	0	0	1	1	0	11	8	9	0
ALWAR	0830	271	998.0	978.5	+9.8	33.0	26.4	23.4	28.8	59	+ 6	2.7	+0.3	4.6	0	0	25	01	2	1	1	1	6	9	4	5	0
ALWAR	1730	271	994.2	965.3	-0.8	38.0	27.7	23.1	28.1	46	+ 9	3.2	-0.7	3.1	0	0	29	04	2	3	0	1	2	7	10	1	0
JAIPUR (SANGANER)	0230	390	997.8	955.3	..	29.6	22.2	18.2	21.7	54	..	2.2	..	4.3	0	0	20	02	0	0	0	0	5	11	2	10	0
	0530	390	998.5	955.7	..	28.0	22.3	18.9	21.8	61	..	2.6	..	5.6	0	3	16	03	0	0	1	0	1	8	6	11	0
	0830	390	999.3	956.9	-0.2	31.4	23.9	19.9	23.3	52	+ 5	2.1	-0.2	11.7	0	5	19	02	0	1	0	0	0	7	14	6	0
	1130	390	998.5	956.8	..	35.7	24.3	18.0	20.6	38	..	2.1	..	11.8	0	4	26	03	1	1	1	0	2	9	13	0	0
	1430	390	996.3	954.8	..	37.5	24.0	15.3	17.4	33	..	3.0	..	10.9	0	3	26	03	2	3	1	1	4	6	9	1	0
	1730	390	994.8	953.4	-0.2	37.3	23.6	14.8	16.8	33	+ 0	3.1	+0.0	10.1	0	4	22	03	1	2	1	0	1	6	12	4	0
	2030	390	996.5	954.5	..	33.6	23.2	16.7	19.0	42	..	2.9	..	5.5	0	0	20	00	0	1	0	2	3	9	5	10	0
	2330	390	997.8	955.5	..	31.4	23.0	17.9	20.5	49	..	3.1	..	5.5	0	0	21	01	1	0	1	1	2	10	5	9	0
DHOLPUR	0830	176	998.9	979.5	+0.0	34.0	25.0	20.2	23.7	48	+ 1	1.9	-1.1	6.1	0	1	19	01	0	1	1	0	1	13	3	10	0
	1730	176	994.8	975.0	-4.2	40.1	26.1	18.5	21.3	32	- 1	2.6	-1.6	5.0	0	0	27	01	3	3	0	1	1	15	3	3	0
AJMER	0830	486	1000.0	947.2	+0.1	29.1	23.5	20.8	24.6	62	+ 6	2.7	+0.3	16.4	0	12	18	00	1	0	1	0	13	14	1	0	0
	1730	486	995.2	943.9	+0.2	36.4	24.0	17.5	20.0	36	+ 2	2.7	-0.1	14.6	0	10	20	01	4	0	3	1	4	10	7	0	0
TONK	0830	272	998.8	968.7	-0.6	31.7	24.5	21.0	24.9	53	- 6	3.0	+1.0	10.5	0	0	28	00	0	2	1	0	2	20	3	2	0
	1730	272	994.2	965.2	+0.4	37.0	24.0	15.9	18.1	34	- 6	3.2	-0.1	10.1	0	0	30	03	1	2	0	0	3	18	3	0	0
BHILWARA	0830	425	1000.6	954.2	..	29.6	23.3	19.8	23.1	58	..	4.1	..	11.0	0	4	26	00	2	0	1	0	22	1	3	0	1
	1730	425	996.3	950.9	..	35.8	23.6	15.8	17.9	36	..	5.3	..	9.3	0	3	26	02	2	0	0	1	16	2	6	1	0
KOTA	0830	257	1000.0	971.9	+0.3	32.6	24.7	20.9	24.7	54	+ 7	2.5	-0.3	10.9	0	7	19	01	0	0	0	0	5	7	13	4	0
	1730	257	995.3	967.9	+0.1	38.3	25.4	18.5	21.3	35	+ 0	3.4	-0.7	7.9	0	4	19	01	1	2	0	0	4	6	9	7	0
KOTA AERODROME	0530	274	998.9	968.8	..	29.7	23.1	19.1	22.1	57	..	3.5	..	12.2	0	7	21	01	0	0	1	1	6	19	0	2	0
	0830	274	1000.4	970.4	..	31.3	23.7	19.3	22.4	54	..	3.2	..	19.5	0	11	19	00	1	1	0	0	6	16	6	0	0
	1130	274	999.8	970.2	..	36.4	24.4	18.0	20.6	39	..	2.7	..	15.1	0	11	18	01	1	1	0	0	4	12	10	1	0
	1730	274	995.5	966.3	..	38.3	24.2	15.5	17.6	30	..	4.1	..	12.9	0	7	22	04	1	1	2	1	3	13	4	1	0
	2330	274	999.0	969.0	..	32.1	23.3	17.8	20.4	49	..	4.1	..	14.0	0	7	23	00	0	2	1	4	10	12	0	0	1
CHAMBAL (RAWAT BHATTA DAM)	0830	351	999.5	961.2	+1.1	30.2	24.7	21.9	26.3	63	+ 4	2.8	-0.1	7.9	0	2	23	00	0	0	0	1	15	8	1	5	0
	1730	351	994.5	957.3	-1.2	36.9	26.1	20.9	24.7	42	- 3	3.1	-1.3	11.5	0	3	26	02	1	0	0	1	15	7	3	1	0
UDAIPUR	0230	582	1000.7	937.2	..	26.4	22.4	20.4	24.0	72	..	3.3	..	4.1	0	0	19	00	1	0	3	6	6	3	0	11	0
	0530	582	1000.9	937.2	..	25.4	22.0	20.3	23.8	75	..	3.7	..	1.7	0	0	12	00	0	0	0	3	7	2	0	18	0
	0830	582	1001.8	938.5	+0.6	27.6	22.9	20.6	24.3	67	+ 4	3.4	+0.2	2.9	0	0	15	00	0	0	4	3	7	0	1	15	0
	1130	582	1000.7	938.3	..	31.7	24.0	20.2	23.7	51	..	3.1	..	5.5	0	0	27	01	0	0	2	9	9	2	4	3	0
	1730	582	997.9	935.5	+0.5	32.7	23.9	19.9	23.2	50	+ 2	3.3	-0.8	7.7	0	2	24	01	0	1	8	3	6	7	0	4	0
	2330	582	1000.8	938.0	..	28.3	23.1	20.5	24.1	67	..	3.6	..	4.1	0	0	18	00	1	0	2	5	4	5	1	12	0
JHALAWAR	0830	321	(R)																								
	1730	321	(R)																								
BANSWARA	0830	220	1003.3	978.6	..	27.3	24.5	23.0	28.1	78	..	3.2	..	9.7	0	0	29	00	0	0	0	12	13	3	1	1	0
	1730	220	999.0	975.0	..	34.8	26.5	20.6	24.3	47	..	2.2	..	11.2	0	1	29	01	1	1	0	8	11	5	3	0	0
MADHYA PRADESH, WEST																											
GWALIOR	0230	207	996.9	974.4	..	32.8	23.5	18.1	21.3	44	..	2.8	..	9.5	0	2	25	00	0	2	0	2	4	14	5	3	0
	0530	207	997.6	975.0	..	31.4	23.4	18.6	22.2	51	..	3.0	..	9.8	0	4	21	00	0	3	0	2	3	10	7	5	0
	0830	207	998.9	976.4	+0.4	34.2	24.7	19.5	23.2	45	+ 3	2.3	-0.7	13.6	0	8	22	02	0	1	1	2	0	15	9	0	0
	1130	207	998.2	976.0	..	38.3	25.3	18.3	21.6	34	..	2.2	..	14.3	0	6	24	04	3	1	0	1	0	11	10	0	0
	1430	207	995.7	973.7	..	40.2	25.0	16.1	19.3	28	..	3.5	..	13.0	0	6	23	04	3	0	0	1	3	9	9	1	0
	1730	207	994.6	972.5	+0.2	38.4	24.7	16.5	19.9	33	+ 2	4.2	+0.0	12.8	0	6	24	01	4	2	0	5	4	9	5	0	0
	2030	207	996.3	973.9	..	35.2	23.9	17.1	20.4	39	..	3.6	..	7.3	0	2	20	01	0	3	0	2	6	7	3	8	0
	2330	207	997.4	974.9	..	33.3	23.6	17.8	21.3	41	..	3.9	..	7.9	0	2	22	01	0	0	2	7	2	9	3	6	0
SHEOPUR	0830	235	999.9	974.3	+0.7	31.5	23.7	19.1	22.9	53	+ 1	2.8	-1.0	9.0	0	0	28	01	0	1	0	5	7	11	3	2	0
	1730	235	994.7	969.6	+0.5	37.4	23.8	14.8	18.3	33	- 2	4.8	+0.1	12.8	0	6	23	01	2	4	1	4	5	7	5	1	0
SHIVPURI	0830	464	999.6	949.2	..	30.7	22.6	18.0	21.6	52	..	2.7	..	12.6	0	3	27	00	0	2	0	0	8	11	9	0	0
	1730	464	995.2	945.9	..	36.0	23.5	16.6	19.7	36	..	4.7	..	12.3	0	5	22	02	2	1	3	2	2	10	5	3	0
NOWGONG	0830	229	999.5	974.6	+0.4	32.8	24.0	18.8	22.7	48	- 6	3.8	+0.1	8.1	0	1	28	01	1	1	0	4	13	4	5	1	0
	1730	229	995.2	970.8	+0.6	37.6	24.5	16.5	20.0	35	- 8	4.9	+0.2	4.3	0	0	30	05	4	2	4	1	8	3	3	0	0
GUNA	0530	478	999.5	947.1	..	27.0	21.5	18.4	21.6	64	..	4.0	..	7.1	0	0	28	01	0	1	1	2	9	11	3	2	0
	0830	478	1000.5	948.7	+0.4	30.4	23.3	19.0	23.4	57	+ 1	3.1	-0.1	9.2	0	1	29	01	1	0	0	0	2	25	1	0	0
	1130	478	999.6	948.5	..	34.3	23.9	18.2	22.0	43	..	3.1	..	9.7	0	0	30	00	0	1	0	2	7	14	6	0	0
	1430	478	996.5	946.1	..	37.8	24.0	16.7	19.6	32	..	4.4	..	9.1	0	0	30	02	1	0	0	2	7	11	7	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE 1967 (JYAISTHA 11 - ASADHA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of prescd. standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, WEST (CONTD)																											
GUNA	1730	478	995.7	944.7	+0.1	34.8	23.4	16.7	20.4	43	- 9	4.8	+0.4	10.3	0	3	27	04	2	2	0	3	3	12	4	0	0
	2330	478	999.5	947.6	..	29.4	22.4	18.4	22.0	57	..	4.1	..	8.9	0	2	28	00	1	0	2	9	7	9	2	0	0
NIMACH	0830	496	1001.9	947.7	+0.4	27.4	22.5	19.6	23.5	66	- 1	4.0	+0.2	18.6	0	12	18	00	0	1	1	0	9	19	0	0	0
	1730	496	996.9	944.2	+0.1	34.3	23.1	16.6	20.0	40	- 3	4.1	-0.3	17.5	0	12	16	00	1	1	1	1	9	14	0	2	1
RAJGARH	0830	382	1001.3	959.5	+0.2	29.4	24.2	21.5	25.9	66	+ 8	3.7	+0.3	14.4	0	10	20	02	1	0	0	0	2	20	5	0	0
RAJGARH	1730	382	996.3	955.6	+0.1	36.1	24.2	17.0	20.5	39	+ 1	3.6	-1.1	13.0	0	4	26	04	0	1	0	1	0	21	3	0	0
SAGAR	0830	551	1000.4	940.7	+0.6	28.9	21.1	16.1	19.3	54	- 4	4.0	-0.2	6.7	0	0	30	00	3	3	3	0	6	10	5	0	0
	1730	551	996.5	937.7	+1.0	32.4	22.5	16.8	20.0	46	+ 1	4.5	-0.8	7.3	0	0	30	00	9	8	0	0	0	4	9	0	0
RATLAM	0830	486	1002.7	949.2	+0.6	26.5	23.4	22.1	26.6	78	- 2	5.2	-0.3	17.3	0	11	19	01	1	1	0	0	7	15	5	0	0
	1730	486	998.1	946.0	+0.8	32.8	24.9	20.9	25.6	54	+ 3	4.0	-1.0	17.7	0	13	17	01	2	0	0	1	13	11	2	0	0
BHOPAL (BAIRAGARH)	0230	523	999.8	942.7	..	27.1	21.2	17.4	20.8	62	..	3.9	..	13.9	0	6	21	02	0	0	1	3	3	16	2	3	0
	0530	523	1000.4	943.0	..	26.0	21.0	17.7	21.1	69	..	4.7	..	15.2	0	8	21	00	0	1	0	3	5	13	7	1	0
	0830	523	1001.5	944.6	+0.3	28.6	22.5	19.2	22.7	61	- 2	4.6	+0.5	19.4	0	14	16	02	1	0	1	0	3	15	8	0	0
	1130	523	1000.4	944.3	..	32.9	23.4	18.3	21.8	47	..	4.0	..	19.6	0	15	14	02	1	0	0	0	5	11	10	1	0
	1430	523	997.6	942.1	..	35.4	23.4	18.4	20.0	39	..	4.1	..	20.4	0	16	14	00	0	1	1	1	3	13	11	0	0
	1730	523	996.5	940.8	+0.3	33.9	22.7	15.9	19.3	43	+ 2	4.9	-0.3	18.3	0	11	19	01	1	1	2	3	2	12	8	0	0
	2030	523	999.0	942.6	..	30.2	21.8	16.4	20.0	47	..	4.7	..	12.5	0	2	25	03	0	1	1	2	6	13	1	3	0
	2330	523	1000.4	943.5	..	28.1	21.9	17.7	21.6	61	..	4.5	..	13.7	0	10	17	00	3	1	3	1	6	9	4	3	0
UJJAIN	0830	489	1002.6	948.8	..	26.8	22.8	20.6	24.9	73	..	5.0	..	25.3	0	15	14	00	0	1	1	0	0	16	11	1	0
	1730	489	997.7	945.2	..	32.6	23.6	18.5	22.5	51	..	4.4	..	20.2	0	16	12	01	1	1	0	1	2	14	8	2	0
NARSINGHPUR	0830	356	1000.9	962.0	..	30.4	26.4	24.7	31.1	73	..	4.2	..	9.9	0	6	24	00	1	0	2	0	21	4	2	0	0
	1730	356	995.9	957.7	..	35.9	27.3	23.6	29.3	52	..	5.6	..	3.9	0	0	29	00	3	0	3	0	20	0	3	1	0
HOSHANGABAD	0830	302	1002.2	968.9	+0.8	29.8	22.5	18.8	21.3	57	- 5	3.7	-1.2	2.4	0	0	30	00	0	0	0	0	29	1	0	8	0
	1730	302	996.6	964.2	+0.4	36.0	23.6	15.3	19.0	37	- 7	5.8	+0.3	4.4	0	1	29	03	8	0	6	0	12	0	1	0	0
INDORE	0530	567	1001.5	939.1	..	23.6	21.6	20.1	24.3	80	..	4.3	..	15.3	0	7	22	00	0	1	0	1	10	16	1	1	0
	0830	567	1002.5	940.6	+0.5	26.5	22.6	20.7	24.4	73	+ 0	4.1	-0.4	20.1	0	11	19	01	0	0	0	0	5	20	4	0	0
	1130	567	1001.5	940.3	..	30.7	23.2	19.6	22.9	56	..	3.7	..	19.6	0	12	16	01	1	0	0	1	4	17	4	2	0
	1730	567	997.6	937.1	+0.5	32.4	23.1	17.8	21.4	49	+ 2	3.9	-1.0	19.9	0	12	18	02	2	1	0	0	7	15	3	0	0
	2330	567	1001.5	939.6	..	26.8	22.2	19.6	23.4	70	..	4.1	..	14.6	0	5	25	00	2	1	0	2	11	12	2	0	0
RAJPUR (JHABUA)	0830	293	1003.7	971.1	-0.2	27.0	23.9	22.4	27.3	77	+ 1	5.0	-0.4	16.7	0	11	18	00	0	0	0	0	2	27	0	1	0
	1730	293	999.2	967.5	+0.1	33.7	24.5	19.3	23.2	48	+ 1	3.6	-0.3	10.8	0	13	17	00	0	0	1	0	0	29	0	0	0
CHHINDWARA	0830	685	1000.9	927.1	+0.0	28.1	24.2	22.0	27.3	72	+ 8	4.4	+0.1	9.0	0	2	26	08	0	0	0	2	1	9	8	2	0
	1730	685	996.9	924.1	+0.6	31.1	24.7	21.8	26.4	64	+11	6.2	+0.7	5.9	0	0	25	02	0	3	0	2	2	13	3	5	0
SEONI	0830	619	1000.6	934.0	+0.5	29.3	22.4	18.6	22.1	59	- 4	4.4	-0.9	10.8	0	2	28	02	1	0	2	0	9	5	11	0	0
	1730	619	997.0	931.0	+0.6	31.0	22.6	17.8	21.3	54	- 1	6.0	-0.1	9.5	0	1	27	04	1	4	0	1	8	3	7	2	0
BETUL	0830	653	1001.9	931.2	+0.3	27.4	24.2	22.7	27.7	79	+ 9	5.0	-0.5	7.4	0	0	29	03	0	0	0	0	3	9	14	1	0
	1730	653	996.8	927.6	+0.3	32.6	25.4	22.0	27.1	60	+ 9	5.5	-0.5	7.9	0	2	25	04	1	0	1	2	0	6	13	3	0
KHANDWA	0830	318	1002.8	967.6	+0.3	28.1	23.8	21.6	25.9	70	+ 4	4.5	-0.1	6.8	0	0	30	00	0	0	1	1	7	15	6	0	0
	1730	318	997.5	963.1	+0.3	35.6	24.3	17.8	21.1	40	- 4	4.0	-1.4	6.1	0	0	30	01	1	1	1	3	4	11	8	0	0
MADHYA PRADESH, EAST																											
SATNA	0530	317	997.9	963.1	..	29.7	23.4	19.5	23.5	59	..	3.4	..	3.4	0	0	25	00	0	0	0	3	9	11	2	5	0
	0830	317	999.0	964.6	+0.4	33.2	24.9	20.4	24.7	52	- 1	3.0	-1.0	4.8	0	0	30	01	0	1	0	0	2	24	2	0	0
	1130	317	998.2	964.3	..	37.1	25.8	19.9	23.8	41	..	3.8	..	5.1	0	0	28	00	2	2	0	1	0	16	7	2	0
	1430	317	996.2	962.4	..	37.7	25.7	19.4	23.2	40	..	4.3	..	4.6	0	0	30	01	2	4	0	0	4	10	9	0	0
	1730	317	995.0	961.1	+0.4	36.6	25.6	20.0	23.8	43	- 1	4.8	-0.1	6.3	0	1	29	01	2	4	1	2	4	8	8	0	0
	2330	317	998.0	963.4	..	31.5	24.3	20.4	24.4	56	..	2.9	..	3.1	0	0	23	01	0	0	1	5	6	8	2	7	0
REWA	0830	299	998.5	966.1	..	33.7	24.9	20.3	24.3	49	..	4.2	..	7.1	0	0	30	02	2	1	0	0	3	17	5	0	0
	1730	299	994.4	962.6	..	37.1	25.3	18.9	22.7	40	..	5.2	..	6.5	0	0	29	05	4	2	1	2	2	5	8	1	0
SIDHI	0830	272H	998.6	969.0	+0.1	32.9	25.9	22.3	27.6	58	+ 5	2.3	-0.3	2.1	0	0	22	01	0	4	1	5	3	8	0	8	0
	1730	272	994.7	965.6	+0.1	36.3	26.7	22.0	27.1	50	+ 9	4.2	-0.2	3.3	0	0	29	04	2	7	1	5	4	1	5	1	0
UMARIA	0830	459	999.9	950.4	+0.9	32.1	23.9	19.7	23.5	52	- 3	5.1	+0.3	7.4	0	0	29	00	0	1	0	1	7	17	3	1	0
	1730	459	995.8	946.8	+0.6	34.6	23.8	18.1	21.6	45	- 1	5.2	-0.6	7.0	0	1	29	05	1	0	4	0	7	6	5	0	2
JABALPUR	0530	393	999.6	956.5	..	27.8	22.1	18.5	22.0	62	..	5.3	..	3.3	0	0	19	01	1	1	0	2	5	9	0	11	0
	0830	393	1000.6	957.9	+0.6	30.9	23.7	19.5	23.4	55	- 2	4.1	-0.6	5.3	0	0	24	01	0	0	1	1	2	18	1	6	0
	1130	393	999.3	957.3	..	35.5	24.5	18.4	21.8	41	..	4.7	..	5.2	0	0	26	01	0	0	1	1	4	14	5	4	0
	1430	393	996.6	954.8	..	36.3	24.3	17.1	20.5	38	..	5.7	..	5.1	0	0	25	02	4	1	0	1	3	9	5	5	0
	1730	393	996.4	954.3	+1.0	33.9	24.1	18.1	22.0	49	+ 4	5.9	+0.2	5.8	0	0	27	02	0	0	1	3	3	15	3	3	0
	2030	393	998.3	955.7	..	31.0	23.5	19.0	22.8	56	..	4.4	..	2.3	0	0	13	02	0	0	1	4	1	5	0	17	0
	2330	393	999.3	956.5	..	29.9	23.0	18.7	22.4	58	..	5.0	..	3.5	0	0	18	00	0	1	2	7	4	3	1	12	0
AMBIKAPUR	0830	611	1000.1	934.6	+0.9	30.5	23.4	19.7	23.5	57	- 4	4.6	+1.0	8.3	0	0	29	01	2	0	2	5	9	5	5	1	0

H Height provisionally calculated

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JUNE 1967 (JYAISTHA 11 - ASADHA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %	Departures from normal	Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gram. of nearest standard isobaric level	At station level	Departures from normal	Dry Bulb	Wet Bulb	Dew point				Mean amount	Departures from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																											
AMBIKAPUR	1730	611	995.9	931.2	+0.5	33.4	23.4	17.9	21.4	47	- 4	5.3	+0.8	16.2	0	12	17	03	3	4	3	4	4	3	5	1	0
JASHPURNAGAR	0830	779H	999.1	916.3	..	29.3	21.6	16.9	20.2	54	..	3.7	..	3.2	0	0	29	01	5	0	2	0	12	0	9	1	0
	1730	779	995.4	913.4	..	31.4	22.2	16.7	20.0	49	..	5.6	..	3.2	0	1	28	00	6	0	4	1	10	0	8	1	0
PENDRA	0530	625	999.1	931.4	..	26.4	22.3	20.1	23.8	73	..	4.1	..	7.5	0	4	15	02	0	0	0	8	2	3	4	11	0
	0830	625	1000.0	932.9	+0.4	29.2	23.9	21.4	25.6	66	+ 6	3.3	-1.9	9.7	0	7	14	04	0	0	0	5	1	5	6	9	0
	1130	625	998.7	932.4	..	33.1	25.3	21.8	26.4	55	..	3.4	..	8.4	0	4	18	07	1	0	1	1	2	4	6	8	0
	1430	625	996.7	930.4	..	32.5	24.4	20.6	24.7	54	..	4.7	..	13.1	0	6	24	04	2	1	1	6	6	4	6	0	0
	1730	625	996.2	929.7	+0.4	31.3	24.0	20.4	24.4	57	+ 2	4.9	-1.3	10.8	0	5	22	05	1	0	2	4	4	5	6	3	0
	2330	625	999.5	931.9	..	27.3	22.7	20.3	24.1	70	..	4.8	..	8.5	0	4	23	02	0	0	1	8	8	6	2	3	0
MANDLA	0830	443	1000.4	952.4	+0.4	30.4	24.8	22.0	26.7	64	+ 0	3.6	-0.9	4.2	0	2	11	05	0	0	0	1	0	3	4	17	0
	1730	443	996.1	948.8	+0.6	33.4	25.4	21.3	25.8	55	+ 2	4.6	-1.1	3.6	0	0	14	04	0	0	0	5	0	0	4	16	1
CHAMPA	0830	245	1000.6	973.7	+0.5	31.2	24.3	20.2	24.7	58	- 2	4.8	-0.7	4.0	0	0	25	01	1	5	2	0	3	11	2	5	0
	1730	245	995.9	969.5	+0.3	35.8	24.9	18.8	22.5	43	- 2	6.6	+0.1	9.6	0	2	27	04	1	4	1	2	4	7	6	1	0
RAIGARH	0830	220	1000.6	976.4	+0.6	31.6	24.1	19.9	23.8	56	- 5	5.8	+0.3	4.0	0	0	30	01	5	2	6	0	10	3	3	0	0
	1730	220	995.5	971.8	+0.0	36.2	24.6	17.6	21.4	41	- 7	5.7	+0.0	3.8	0	0	27	02	5	0	3	1	12	1	3	3	0
RAIPUR	0530	298	999.5	966.6	..	27.8	23.3	20.7	25.0	69	..	5.9	..	4.7	0	0	27	00	0	0	0	6	7	10	4	3	0
	0830	298	1000.9	968.3	+0.5	31.0	24.5	20.9	25.3	61	+ 0	5.4	-0.1	6.1	0	0	29	00	0	0	1	1	8	13	6	1	0
	1130	298	1000.0	967.8	..	34.7	25.5	20.9	25.0	50	..	5.1	..	6.9	0	0	30	01	1	1	0	2	7	14	4	0	0
	1430	298	997.1	965.2	..	36.3	26.0	21.0	25.0	46	..	5.6	..	6.6	0	0	30	00	0	2	1	4	8	10	5	0	0
	1730	298	996.8	964.7	+0.6	34.8	25.4	20.7	24.7	49	+ 0	6.0	-0.1	8.0	0	0	30	01	1	1	3	3	4	14	3	0	0
	2030	298	999.2	966.6	..	31.1	24.7	21.4	25.9	61	..	5.4	..	4.9	0	0	25	00	0	2	0	4	8	8	3	5	0
	2330	298	1000.0	967.3	..	29.4	24.2	21.4	25.9	67	..	5.7	..	5.5	0	1	25	03	0	0	0	7	7	6	3	4	0
KANKER	0830	402	1001.2	957.5	+0.2	29.9	24.9	22.3	27.4	69	+ 5	5.3	-0.5	4.3	0	0	25	00	0	0	1	1	10	10	3	5	0
	1730	402	997.1	954.0	+0.2	33.3	26.5	23.3	28.9	60	+ 5	6.3	+0.1	4.4	0	0	20	03	1	0	0	3	7	5	1	10	0
JAGDALPUR	0530	553	1000.7	940.3	..	25.3	21.8	20.0	23.5	74	..	6.0	..	2.2	0	0	10	00	0	0	0	3	5	1	1	20	0
	0830	553	1001.8	941.9	+0.3	28.2	22.8	20.1	23.8	67	- 4	5.4	-0.3	6.1	0	0	23	00	0	0	0	4	13	4	2	7	0
	1130	553	1000.5	941.3	..	31.5	23.6	19.7	23.2	56	..	5.8	..	8.9	0	2	27	00	0	0	0	4	12	9	4	1	0
	1430	553	998.2	939.2	..	32.1	23.6	19.2	22.9	54	..	6.3	..	9.2	0	1	27	01	0	0	0	2	8	13	4	2	0
	1730	553	998.3	939.0	+0.6	30.4	22.9	18.9	22.4	59	- 2	7.0	+0.7	7.6	0	1	25	02	3	0	2	1	5	11	2	4	0
	2030	553	1000.4	940.5	..	27.9	22.3	19.3	22.8	67	..	5.6	..	2.8	0	0	10	00	0	1	1	0	4	3	1	20	0
	2330	553	1001.2	941.0	..	26.6	22.1	19.8	23.2	71	..	5.6	..	2.5	0	1	8	00	0	0	2	2	4	1	0	21	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																											
DEESA	0830	136	1003.6	988.2	+1.8	28.5	24.5	22.6	23.4	71	- 3	.	..	10.7	0	2	28	00	1	0	6	6	12	4	1	0	0
	1730	136	997.5	982.7	+0.6	36.5	24.9	18.6	22.0	39	- 2	.	..	12.7	0	4	26	00	1	0	10	0	14	3	2	0	0
RADHANPUR	0830	30	..	..	..	..	..	..	..	..	..	1.4	-2.1	3.9	0	0	30	00	0	1	1	7	17	1	3	0	0
	1730	30	..	..	..	..	..	..	..	..	..	1.2	-0.9	6.1	0	0	30	00	0	3	0	8	15	2	2	0	0
IDAR	0830	219	1003.2	978.8	+0.4	27.3	24.1	22.4	27.4	75	+ 0	5.5	+0.0	3.7	0	0	25	00	1	1	5	2	8	8	0	5	0
	1730	219	998.0	974.3	-0.7	34.9	24.7	19.2	22.7	44	- 3	3.4	-0.9	5.8	0	1	29	01	2	0	4	4	8	10	1	0	0
AHMADABAD	0230	55	1001.5	995.2	..	27.8	24.4	22.6	27.7	76	..	3.7	..	12.7	0	4	25	00	0	0	4	8	4	12	1	1	0
	0530	55	1001.6	995.3	..	27.0	24.4	23.1	28.4	80	..	5.1	..	11.1	0	2	25	00	0	0	4	8	6	8	1	3	0
	0830	55	1003.0	996.8	+0.2	28.7	25.0	23.3	28.6	74	- 3	5.6	+0.8	11.9	0	2	27	00	0	1	3	5	13	6	1	1	0
	1130	55	1002.8	996.6	..	32.6	25.5	22.2	26.9	57	..	4.2	..	12.7	0	6	21	01	0	1	2	3	12	7	1	3	0
	1430	55	1000.4	994.3	..	35.2	25.5	20.3	24.7	48	..	3.9	..	15.5	0	9	20	00	0	0	5	4	8	11	1	1	0
	1730	55	998.6	992.5	+0.9	35.2	25.0	19.2	23.2	46	+ 5	3.1	-0.8	17.5	0	11	19	00	0	1	3	6	6	11	3	0	0
	2030	55	1000.3	994.1	..	31.5	24.9	21.3	26.1	59	..	3.7	..	13.9	0	9	19	00	0	0	1	7	9	10	1	2	0
	2330	55	1001.8	995.6	..	29.3	24.8	22.6	27.6	70	..	3.5	..	14.1	0	8	21	00	0	0	1	11	6	9	2	1	0
DOHAD	0830	333	1003.0	996.1	+9.9	27.0	24.6	23.4	28.9	81	+ 6	4.9	+0.5	20.3	0	15	15	00	0	0	1	0	12	14	3	0	0
	1730	333	998.1	962.3	+0.2	34.0	25.5	21.3	25.6	52	+ 7	3.2	-0.4	19.7	0	12	18	00	0	0	0	1	14	12	3	0	0
VALLABH VIDYANAGAR	0830	44	1003.0	998.1	..	27.6	24.8	23.5	28.9	79	..	4.6	..	7.7	0	0	30	00	0	1	4	6	17	2	0	0	0
	1730	44	998.5	993.6	..	34.2	25.8	21.6	26.3	51	..	3.0	..	11.9	0	6	24	00	0	0	4	1	21	3	1	0	0
BARODA AERODROME	0830	38	1003.6	999.3	+0.4	28.6	25.8	24.5	30.9	80	+ 5	5.5	+0.6	17.6	0	12	18	00	0	0	1	9	13	6	1	0	0
	1130	38	1003.2	999.0	..	32.3	26.4	23.8	29.7	63	..	4.7	..	16.9	0	11	17	00	0	1	0	6	10	9	1	2	1
	1730	38	999.2	995.0	+0.3	33.7	27.0	23.7	30.0	59	+ 7	3.9	+0.1	24.1	0	18	12	00	0	0	0	4	17	8	1	0	0
BARODA	0530	34	1002.2	998.2	..	27.1	24.9	23.9	29.7	83	..	4.0	..	5.9	0	0	29	00	0	0	0	0	29	0	0	1	0
	0830	34	1003.7	999.8	+0.4	28.7	25.5	24.0	30.0	77	+ 3	4.8	+0.5	6.7	0	0	30	00	0	0	1	0	28	0	1	0	0
	1130	34	1003.4	999.5	..	32.7	26.1	22.9	28.4	55	..	4.7	..	6.6	0	0	29	00	0	0	1	1	25	0	2	1	0
	1730	34	999.4	995.6	+0.5	35.0	26.2	21.8	26.7	51	+ 0	3.2	-0.1	6.0	0	0	27	00	0	0	0	0	24	1	2	3	0
	2330	34	1002.6	998.7	..	29.0	25.7	24.2	30.4	77	..	3.4	..	5.8	0	0	29	00	0	0	0	0	29	0	0	1	0
BROACH	0830	17	..	..	..	..	..	..	..	..	..	5.0	+0.3	6.3	0	0	30	00	1	0	0	3	24	1	1	0	0
	1730	17	..	..	..	..	..	..	..	..	..	3.5	+0.2	7.2	0	0	30	00	1	0	0	0	26	2	1	0	0

H Height provisionally calculated

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE 1967 (JYAISTHA 11 - ASADHA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI) (CONTD.)																											
SURAT	0530	12	1002.6	1001.4	..	26.4	24.8	24.0	30.0	87	..	4.2	..	8.1	0	0	29	00	0	0	11	0	17	0	1	1	0
	0830	12	1004.1	1002.8	+0.4	28.3	25.6	24.5	30.7	78	+ 1	5.4	-0.7	7.8	0	0	30	00	0	0	10	0	18	0	2	0	0
	1130	12	1004.3	1003.1	..	30.5	26.1	24.2	30.2	70	..	5.3	..	14.1	0	0	30	00	0	0	4	0	26	0	0	0	0
	1730	12	1001.0	999.7	+0.2	30.8	26.1	24.2	30.0	69	- 1	5.5	+1.2	18.1	0	15	15	00	0	0	1	0	29	0	0	0	0
	2330	12	1003.6	1002.3	..	27.6	25.6	24.8	31.1	85	..	3.7	..	11.9	0	0	30	00	0	0	9	0	21	0	0	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																											
NALIYA	0830	21	1001.5	999.1	-0.4	29.3	26.6	25.4	32.6	78	+ 0	4.9	-0.4	19.2	0	13	16	00	1	3	0	4	18	3	0	1	0
	1730	21	999.7	997.3	+0.1	32.6	27.0	24.4	31.1	63	- 5	5.2	-0.2	17.3	0	14	15	00	0	0	1	4	23	1	0	1	0
BHUJ (RUDRAMATA)	0230	80	1000.2	991.2	..	27.9	26.5	25.8	33.4	88	..	2.3	..	16.5	0	10	16	00	0	0	0	0	17	9	0	4	0
	0530	80	1000.3	991.2	..	27.3	26.2	25.7	33.0	91	..	3.2	..	12.3	0	7	13	00	0	0	1	0	10	9	0	10	0
	0830	80	1001.7	992.7	+0.0	29.2	26.9	26.0	33.6	83	+11	4.2	+0.3	21.0	0	12	17	00	0	0	1	4	13	9	2	1	0
	1130	80	1001.4	992.5	..	33.2	27.8	25.4	32.8	63	..	3.3	..	20.8	0	13	15	01	0	0	3	2	13	9	0	2	0
	1430	80	999.5	990.7	..	35.6	27.7	24.3	30.7	53	..	3.4	..	25.1	0	18	12	00	0	0	2	4	15	8	1	0	0
	1730	80	998.3	989.5	+0.0	34.2	27.3	24.2	30.7	58	+ 8	3.4	+0.4	25.5	0	18	12	01	0	0	3	2	14	10	0	0	0
	2030	80	999.7	990.7	..	30.3	27.1	25.8	33.2	78	..	2.8	..	21.7	0	16	14	00	0	0	2	2	13	13	0	0	0
	2330	80	1000.8	991.9	..	28.8	27.0	26.2	34.2	86	..	2.5	..	18.9	0	11	19	00	0	0	0	4	17	9	0	0	0
KANDLA AERODROME	0830	35	1002.3	998.4	..	29.7	25.8	24.1	30.0	73	..	4.1	..	22.3	0	11	19	00	0	0	5	4	16	4	1	0	0
	1130	35	1002.1	998.3	..	33.4	26.1	22.7	27.9	55	..	3.2	..	25.7	0	17	12	00	0	2	4	6	13	4	0	1	0
	1730	35	999.0	995.2	..	33.9	25.7	21.8	26.3	51	..	2.9	..	32.3	0	24	6	01	0	3	3	6	16	1	0	0	0
NEW KANDLA	0830	14	1002.7	1001.1	-0.4	29.5	26.5	25.1	32.2	78	+ 1	5.2	+0.9	22.8	0	12	18	00	0	1	3	4	8	12	2	0	0
	1730	14	999.4	997.8	-0.7	33.3	26.5	23.4	28.9	59	+ 0	3.6	+1.0	29.6	0	18	12	00	0	2	2	4	10	11	1	0	0
MANDVI	0830	9	1002.5	1001.4	+0.4	29.6	27.1	26.1	33.8	81	- 7	5.2	+0.9	26.6	0	18	12	00	0	2	1	5	11	11	0	0	0
	1730	9	999.8	998.7	-0.1	31.0	27.9	26.6	35.0	77	- 8	4.8	+0.9	33.5	0	24	6	00	0	0	1	5	10	14	0	0	0
SURENDRANAGAR	0830	74	1002.8	994.5	+0.4	28.9	25.8	24.5	30.7	78	- 1	5.0	+1.1	13.7	0	8	19	00	0	1	2	5	7	12	0	3	0
	1730	74	998.6	990.4	+0.5	34.7	25.7	21.1	25.6	51	+ 3	4.3	-0.2	16.7	0	9	17	00	0	2	2	4	2	13	3	4	0
OKHA	0530	7	1001.1	1000.3	..	28.1	26.5	25.9	33.4	88	..	5.5	..	18.7	0	10	20	00	1	0	2	7	13	7	0	0	0
	0830	7	1002.5	1001.7	..	29.3	27.2	26.3	34.2	84	..	5.2	..	19.3	0	11	19	01	0	2	3	4	12	6	2	0	0
	1130	7	1002.8	1002.0	..	30.9	27.3	25.9	33.4	73	..	4.9	..	23.6	0	16	14	02	0	3	0	2	11	10	2	0	0
	1730	7	1000.2	999.4	..	30.3	27.6	26.3	34.6	79	..	5.2	..	25.3	0	22	8	00	0	0	0	3	11	16	0	0	0
	2330	7	1002.0	1001.2	..	28.6	26.8	25.8	33.8	87	..	3.7	..	17.9	0	9	20	00	0	0	3	6	14	6	0	1	0
JAMNAGAR AERODROME	0530	20	1000.7	998.4	..	26.5	25.3	24.8	31.3	90	..	3.3	..	13.5	0	7	20	00	0	1	1	7	7	10	1	3	0
	0830	20	1001.8	999.6	-0.2	28.9	26.6	25.6	33.0	82	+13	4.4	-0.6	20.0	0	12	18	01	0	0	3	8	6	11	1	0	0
	1130	20	1001.7	999.5	..	32.3	26.7	24.2	30.4	64	..	3.7	..	22.5	0	12	18	00	0	2	2	4	4	11	7	0	0
	1730	20	999.1	996.9	+0.5	31.3	26.6	24.5	31.1	69	+ 7	4.3	+0.8	27.7	0	20	8	00	0	0	0	6	4	13	5	2	0
	2330	20	1001.1	998.8	..	27.4	25.7	24.8	31.5	84	..	3.1	..	17.4	0	11	17	00	0	0	0	7	7	11	3	2	0
DWARKA	0830	11	1002.5	1001.2	+0.0	29.2	27.9	27.4	36.5	90	+ 9	5.3	+0.4	19.4	0	13	17	00	0	2	0	2	11	6	4	0	5
	1730	11	1001.1	999.9	+1.0	30.0	28.6	28.1	38.0	90	+13	5.6	+0.9	21.4	0	18	12	00	0	0	1	3	10	7	1	0	8
RAJKOT	0530	138	1001.4	985.9	..	25.8	24.6	24.1	30.0	90	..	2.8	..	19.7	0	15	14	00	0	0	4	5	16	4	0	1	0
	0830	138	1002.7	987.3	+0.1	28.2	26.0	25.0	31.9	84	+ 8	2.4	-2.3	26.0	0	23	7	00	0	1	4	7	10	8	0	0	0
	1130	138	1001.9	986.8	..	33.1	27.0	24.4	30.7	63	..	2.6	..	25.3	0	20	10	00	0	0	3	4	9	10	1	0	3
	1430	138	999.9	984.9	..	35.1	27.3	23.7	29.8	56	..	3.3	..	27.9	0	21	8	00	1	1	4	3	8	7	3	1	2
	1730	138	998.8	983.7	+0.1	33.4	27.0	24.1	30.4	63	+15	3.2	-1.5	37.3	0	26	3	00	0	0	1	5	11	10	2	1	0
BHAVNAGAR AERODROME	0830	11	1003.3	1002.1	-0.1	29.1	25.3	23.6	29.1	73	+ 8	4.6	+0.3	23.0	0	19	11	00	2	0	1	6	13	4	4	0	0
	1130	11	1003.1	1001.9	..	32.9	25.7	22.2	27.1	56	..	4.1	..	26.5	0	24	6	00	0	2	6	7	8	4	3	0	0
	1730	11	999.4	998.2	+0.1	34.6	25.7	21.2	25.6	51	+ 4	3.7	-0.9	34.1	0	27	3	00	0	0	6	11	4	7	1	0	1
PORBANDER AERODROME	0830	7	1002.8	1002.0	+0.3	28.9	27.1	26.4	34.4	87	+ 3	4.0	-0.9	14.9	0	12	15	00	0	0	3	4	16	2	2	3	0
	1130	7	1003.1	1002.3	..	30.5	27.7	26.6	34.8	80	..	4.0	..	20.5	0	18	11	00	0	0	3	5	18	2	0	1	1
	1730	7	1000.5	999.7	+0.0	29.8	27.7	26.9	35.4	85	+ 6	4.4	-1.6	22.8	0	23	6	00	0	0	1	7	17	3	1	1	0
KESHOD	0830	51	1003.1	997.4	-0.7	29.0	25.6	24.1	30.0	76	+ 1	5.2	+0.8	18.1	0	12	18	01	0	0	2	10	7	9	1	0	0
	1130	51	1003.2	997.5	..	31.7	25.8	23.1	28.3	63	..	5.1	..	20.4	0	20	9	00	1	0	3	7	6	11	1	1	0
	1730	51	1000.7	995.0	-0.8	30.7	25.6	23.2	28.6	67	+ 4	4.6	+0.4	25.9	0	23	7	00	0	0	1	7	10	12	0	0	0
MAHUVA	0830	9	1002.8	1001.8	..	27.0	25.5	24.8	31.5	88	..	5.4	..	2.1	0	0	24	01	0	0	0	3	9	9	2	6	0
	1730	9	1000.4	999.3	..	30.5	26.2	24.3	30.4	71	..	4.6	..	12.2	0	3	27	00	0	0	3	1	23	2	1	0	0
VERAVAL	0230	8	1002.0	1001.1	..	27.7	26.3	25.7	33.0	89	..	3.6	..	18.8	0	14	15	00	0	0	0	5	9	13	2	1	0
	0530	8	1001.8	1000.9	..	27.5	26.1	25.5	32.6	89	..	4.9	..	20.0	0	19	7	01	0	0	0	3	10	11	1	4	0
	0830	8	1003.2	1002.3	-0.2	28.5	26.8	26.1	33.8	87	+ 4	4.4	-0.4	18.5	0	16	11	00	0	1	1	4	10	8	3	3	0
	1130	8	1003.6	1002.7	..	29.9	27.2	26.1	33.8	81	..	4.5	..	20.3	0	15	14	02	0	0	1	4	11	10	1	1	0
	1430	8	1002.3	1001.4	..	29.8	27.4	26.4	34.6	82	..	4.6	..	23.9	0	22	7	01	0	1	1	4	9	12	1	1	0
	1730	8	1001.0	1000.1	-0.1	29.2	27.2	26.4	34.4	85	+ 1	4.8	+0.4	23.3	0	22	8	00	0	0	0	5	10	13	2	0	0
	2030	8	1002.0	1001.1	..	28.3	26.8	26.2	34.0	88	..	4.1	..	21.5	0	19	11	00	0	0	0	6	11	9	4	0	0
	2330	8	1002.9	1002.0	..	27.9	26.6	26.0	33.8	89	..	4.1	..	19.4	0	14	15	00	0	1	0	5	10	12	1	1	0
DIU	0830	15	1004.3	1002.6	..	28.7	26.5	25.6	32.8	84	..	4.3	..	15.6	0	12	15	00	1	2	1	5	5	9	4	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE ,1967JYAISTHA 11 - ASADHA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gram. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SAURASHTRA AND KUTCH(INCLUDING DIU) CONTD.)																											
DIU	1730	15	1001.6	999.9	..	29.1	26.7	25.7	33.0	83	..	3.5	..	16.2	0	13	14	00	1	2	0	6	5	10	3	3	0
KONKAN(INCLUDING GOA)																											
DAHANU	0830	5	1004.4	1003.9	+0.6	28.2	26.8	26.2	34.0	90	+ 4	.	..	5.9c	0	1	27	01	0	1	14	0	6	6	0	0	0
	1730	5	1002.3	1001.8	+0.7	30.0	27.7	26.8	35.2	84	+ 3	.	..	5.6c	0	0	27	00	0	0	4	0	11	10	2	1	0
BOMBAY(SANTACRUZ)	0230	14	1003.6	1002.0	+0.9	27.0	24.9	24.0	29.8	84	+ 3	5.4	+0.1	12.0	0	1	28	01	0	2	2	6	7	10	1	1	0
	0530	14	1003.6	1001.9	..	26.7	24.7	23.8	29.8	85	..	5.5	..	10.8	0	4	22	00	1	2	2	7	5	7	2	4	0
	0830	14	1005.1	1003.4	+0.5	28.0	25.1	23.7	29.5	79	- 1	6.2	-0.1	11.7	0	3	24	02	0	4	2	6	4	7	2	3	0
	1130	14	1005.2	1003.6	..	30.0	25.7	23.8	29.7	71	..	5.8	..	16.3	0	8	21	00	0	0	1	6	7	10	5	1	0
	1430	14	1003.8	1002.1	..	30.3	25.9	23.9	29.8	71	..	5.6	..	19.1	0	15	15	00	0	0	1	5	8	13	3	0	0
	1730	14	1002.7	1001.1	+0.4	29.3	25.6	24.0	29.8	75	+ 1	6.1	+0.2	19.5	0	17	12	00	0	1	0	3	11	9	5	1	0
	2030	14	1004.1	1002.5	..	27.7	25.1	23.9	29.7	81	..	5.9	..	14.1	0	6	23	00	0	1	0	6	6	13	3	1	0
	2330	14	1004.9	1003.2	..	27.2	24.9	23.9	29.7	80	..	5.3	..	13.3	0	5	24	00	0	1	4	6	9	8	1	1	0
BOMBAY	0830	11	1005.0	1003.8	+0.2	28.1	25.4	24.1	30.4	80	+ 0	5.5	-0.2	10.3	0	2	27	01	0	1	7	2	7	8	3	1	0
	1130	11	1005.3	1004.1	..	29.9	26.1	24.4	30.7	74	..	5.4	..	10.9	0	2	28	00	0	1	4	9	4	8	4	0	0
	1730	11	1002.8	1001.6	+0.2	29.4	25.9	24.4	30.4	76	- 2	5.7	+0.2	12.5	0	1	28	00	0	0	2	3	8	9	7	1	0
ALIBAG	0830	7	1005.2	1004.4	-0.2	27.8	26.3	25.7	33.0	89	+ 5	5.5	-0.5	14.5	0	9	20	01	0	3	3	4	8	6	4	1	0
BHIRA	0830	96	1004.9	994.1	..	27.1	24.6	23.5	28.9	81	..	5.6	..	1.1	0	0	13	01	0	2	0	2	7	1	0	17	0
	1730	96	1002.3	991.7	..	30.3	24.9	22.3	27.1	65	..	5.7	..	1.9	0	0	15	00	0	0	0	0	15	0	0	15	0
HARNAI	0830	20	1005.5	1003.2	+0.4	26.8	25.9	25.2	32.6	88	+ 1	6.4	+0.1	10.8	0	5	20	02	0	1	7	4	0	7	4	5	0
	1730	20	1003.6	1001.3	+0.4	28.5	26.6	25.9	33.4	86	+ 2	6.4	+0.3	15.8	0	11	19	00	0	0	0	10	5	9	5	0	1
RATNAGIRI	0830	35	1006.0	1002.0	+0.2	27.4	25.3	24.4	30.5	84	- 1	6.2	+0.1	9.2	0	2	23	00	1	6	4	1	1	4	3	5	5
	1730	35	1003.8	999.9	+0.1	28.3	25.8	24.8	31.3	82	+ 2	6.1	+0.0	13.2	0	12	16	00	0	2	2	1	7	9	3	2	4
DEVGARH	0830	36	1006.1	1002.1	+0.2	27.2	25.2	24.2	30.4	86	- 1	6.4	-0.1	14.7	0	6	23	02	1	2	3	1	7	8	5	1	0
	1730	36	1004.0	1000.0	-0.1	29.0	26.4	25.3	32.2	81	- 1	5.7	-0.7	19.3	0	11	18	01	0	1	2	4	4	8	9	1	0
VENGURLA	0230	9	1005.7	1004.7	..	25.9	24.6	24.1	30.0	90	..	5.8	..	..	0	0	16	00	0	2	0	5	1	6	2	14	0
	0530	9	1005.1	1004.1	..	25.6	24.5	24.1	29.8	92	..	6.3	..	..	0	0	12	01	0	2	2	3	1	3	0	18	0
	0830	9	1006.9	1005.9	+0.2	27.2	25.0	24.1	29.8	84	- 2	6.2	-0.6	..	0	0	18	03	0	0	0	2	3	5	5	12	0
	1130	9	1006.8	1005.8	..	29.5	25.7	24.1	29.8	74	..	5.5	..	..	0	0	23	01	0	0	0	4	5	7	6	7	0
	1730	9	1004.6	1003.6	-0.1	28.3	25.5	24.3	30.4	80	- 1	5.7	-1.0	..	0	0	25	00	0	0	1	5	8	8	3	5	0
	2330	9	1006.7	1005.7	..	26.5	24.9	24.2	30.2	88	..	5.6	..	..	0	0	19	01	1	2	1	4	3	3	4	11	0
PANJIM	0530	60	1004.9	998.0	..	25.5	24.1	23.5	28.9	88	..	6.4	..	8.1	0	1	27	03	3	5	3	3	4	3	4	2	0
	0830	60	1006.5	999.7	..	26.6	24.6	23.7	29.3	84	..	6.9	..	8.6	0	3	22	04	3	6	3	0	3	2	4	5	0
	1130	60	1006.6	999.9	..	29.2	25.2	23.3	28.8	72	..	6.3	..	13.7	0	7	22	00	2	1	3	5	9	6	3	1	0
	1430	60	1005.1	998.4	..	29.9	25.8	24.1	30.0	72	..	5.8	..	17.8	0	15	14	00	0	0	2	5	15	6	1	1	0
	1730	60	1004.3	997.5	..	28.7	25.2	23.6	29.3	74	..	6.2	..	15.1	0	10	18	00	2	0	1	6	10	4	5	2	0
	2030	60	1005.6	998.9	..	26.8	24.5	23.5	28.9	83	..	5.8	..	10.4	0	1	29	02	2	1	1	5	6	3	10	0	0
	2330	60	1006.4	999.6	..	26.2	24.5	23.7	29.3	87	..	5.6	..	9.3	0	3	23	01	1	2	5	3	2	5	7	4	0
MORMUGAO	0530	62	..	..	..	26.3	24.8	24.1	30.0	88	..	6.7	..	16.2c	0	8	20	02	3	3	2	3	7	3	5	0	0
	0830	62	..	..	..	27.5	25.5	24.6	30.9	84	+ 1	6.8	+0.8	17.6c	0	11	17	03	2	2	6	2	6	3	4	0	0
	1130	62	..	..	..	28.4	26.0	24.9	31.7	81	..	6.1	..	19.0c	0	12	16	03	1	0	2	8	6	2	6	0	0
	1730	62	..	..	..	28.4	25.6	24.4	30.5	80	- 3	6.1	+0.1	18.9c	0	11	15	01	0	2	2	5	7	6	3	2	0
DABOLIM(NAVAL AIR STN.)	0530	52	1005.1	999.3	..	26.1	24.7	24.0	30.0	89	..	7.0	..	..	0	5	24	06	1	1	3	5	2	7	4	1	0
	0830	52	1006.7	1000.9	..	27.0	25.0	24.1	30.0	84	..	6.7	..	..	0	12	17	06	5	1	2	6	1	5	3	1	0
	1130	52	1006.8	1001.1	..	28.6	25.5	24.1	30.0	77	..	6.3	..	..	0	16	13	04	1	0	1	5	6	7	5	1	0
	1730	52	1004.5	998.7	..	28.5	25.3	23.9	29.7	77	..	6.3	..	..	0	19	10	04	0	0	0	3	6	9	7	1	0
	2330	52	1006.6	1000.8	..	26.6	24.9	24.1	30.0	87	..	6.3	..	..	0	3	25	04	1	1	3	7	0	6	6	2	0
MADHYA MAHARASHTRA																											
NANDURBAR	0830	206	1004.2	981.2	+0.1	27.3	23.9	22.0	26.9	72	- 2	.	..	11.0	0	9	13	00	0	0	0	0	13	5	4	8	0
	1730	206	1000.3	977.8	+0.5	33.0	24.0	19.1	22.5	48	- 2	.	..	12.1	0	4	24	00	1	0	0	0	17	4	6	2	0
JALGAON	0830	201	1003.2	980.8	+0.2	28.3	24.1	21.9	26.6	70	- 2	4.7	+0.6	23.9	0	16	14	01	1	0	0	0	6	13	9	0	0
	1730	201	998.2	976.4	+0.3	35.6	24.1	17.2	20.5	40	- 2	4.1	-0.2	30.1	0	22	8	01	1	1	1	2	3	12	9	0	0
MALEGAON	0830	437	1004.9	957.0	+1.7	28.3	24.3	22.4	27.1	71	+ 4	2.9	-1.5	13.7	0	7	23	01	0	0	0	2	0	11	16	0	0
	1730	437	999.7	952.8	+1.2	33.6	26.9	24.2	30.0	60	+12	4.3	-1.2	18.7	0	16	14	05	0	1	0	0	11	5	8	0	0
OZAR	0530	608	1003.3	936.2	..	22.8	21.5	20.9	24.7	89	..	5.3	..	14.4	0	11	13	00	0	0	0	1	8	13	2	6	0
	0830	608	1004.0	937.5	..	25.6	23.8	21.5	25.6	78	..	4.6	..	21.7	0	15	14	00	0	0	1	2	8	17	1	1	0
	1130	608	1002.9	937.3	..	29.9	23.6	20.7	24.4	60	..	4.3	..	25.0	0	19	8	01	0	0	0	1	9	12	4	3	0
	1430	608	1000.5	935.5	..	31.6	23.8	20.2	23.7	53	..	4.4	..	29.2	0	22	7	00	0	0	0	1	8	13	5	1	0
	1730	608	1000.2	934.7	..	29.2	23.3	20.5	24.3	62	..	4.6	..	32.1	0	25	5	00	0	0	1	0	9	16	4	0	0
AHMADNAGAR	0830	657	1003.1	931.6	-0.8	25.6	21.9	20.0	23.5	73	+ 1	3.6	-1.3	12.4	0	5	23	00	0	0	0	0	14	2	12	2	0
	1730	657	998.8	928.8	-0.2	31.1	22.8	18.4	21.6	52	+ 1	5.6	+0.0	16.6	0	13	15	00	2	0	0	0	12	2	12	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE ,1967JYAISTHA 11 – ASADHA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD.)																											
POONA AERODROME	0230	593	1003.9	938.3	..	23.0	20.8	19.7	22.9	82	..	4.1	..	12.3	0	6	18	00	0	0	0	0	3	20	1	6	0
	0530	593	1003.7	938.2	..	22.6	20.7	19.8	23.1	84	..	5.1	..	10.5	0	6	11	00	0	0	0	1	0	16	0	13	0
	0830	593	1004.4	939.3	..	25.4	21.5	19.4	22.7	71	..	5.3	..	16.4	0	12	12	00	0	0	0	0	3	20	0	6	1
	1130	593	1003.5	939.3	..	29.1	21.8	18.0	20.8	53	..	5.1	..	25.9	0	22	8	00	0	2	0	0	8	18	2	0	0
	1730	593	1000.9	936.7	..	29.0	21.5	17.2	20.1	53	..	5.2	..	29.8	0	24	6	02	0	0	0	0	7	20	1	0	0
	2330	593	1004.8	939.3	..	23.6	21.0	19.6	22.9	79	..	4.1	..	17.7	0	16	11	00	0	0	0	0	3	24	0	3	0
POONA	0530	559	1004.1	942.2	..	23.2	21.0	19.8	23.2	82	..	5.2	..	7.3	0	4	14	00	0	0	0	0	1	16	1	12	0
	0830	559	1004.8	943.4	+0.2	25.6	21.9	20.1	23.5	72	+ 1	5.3	-0.3	11.3	0	6	17	00	0	0	0	0	0	21	2	7	0
	1130	559	1003.8	943.3	..	29.5	22.4	18.9	21.8	55	..	5.1	..	13.5	0	4	24	00	0	2	0	1	1	23	1	2	0
	1430	559	1001.9	941.7	..	30.8	22.5	18.1	21.1	50	..	5.6	..	15.7	0	9	19	00	0	1	1	0	3	21	2	2	0
	1730	559	1001.5	940.9	+0.3	28.9	22.0	18.4	21.3	57	- 4	5.3	-0.5	19.0	0	14	16	01	0	0	0	1	3	22	3	0	0
	2030	559	1003.9	942.5	..	25.4	21.6	19.5	22.9	72	..	4.1	..	12.6	0	6	19	00	0	0	0	0	3	22	0	5	0
	2330	559	1005.1	943.3	..	24.0	21.2	19.7	23.1	78	..	4.3	..	10.0	0	2	22	00	0	0	0	0	2	22	0	6	0
JEUR	0830	521	1004.2	947.0	+0.1	26.6	21.9	19.6	22.8	67	- 8	4.4	-0.1	19.1	0	13	17	10	0	0	0	4	2	5	9	0	0
	1730	521	998.9	943.3	+0.2	33.4	22.1	15.6	18.3	39	-12	5.3	-0.2	24.3	0	20	10	07	2	2	1	2	1	7	8	0	0
BARAMATI	0830	551	1004.7	944.3	+0.4	25.9	22.0	19.9	23.5	72	- 4	4.2	-0.5	13.0	0	6	23	03	0	0	1	2	6	10	7	1	0
	1730	551	1000.0	941.1	+0.5	31.3	22.4	17.9	20.5	49	- 9	3.9	-1.7	19.7	0	16	14	06	0	3	2	1	5	8	5	0	0
SHOLAPUR	0530	479	1003.5	950.6	..	24.6	21.2	19.4	22.5	74	..	5.5	..	7.2	0	0	28	02	0	0	0	0	12	7	7	2	0
	0830	479	1004.7	952.1	+0.0	27.3	22.4	20.0	23.5	66	- 6	5.3	+0.2	8.0	0	0	27	00	0	0	1	0	14	0	12	3	0
	1130	479	1003.2	951.5	..	32.1	23.2	18.7	21.8	48	..	4.9	..	10.9	0	2	28	03	1	0	1	0	9	9	7	0	0
	1430	479	1000.1	949.0	..	34.7	23.4	17.4	20.5	40	..	5.6	..	9.5	0	3	25	07	0	0	0	0	9	8	4	2	0
	1730	479	999.1	947.8	-0.2	33.5	22.8	16.9	19.9	43	- 6	5.8	-0.2	9.3	0	0	29	02	1	1	0	0	17	4	4	1	0
	2330	479	1004.0	951.4	..	27.1	21.8	19.0	22.1	65	..	4.5	..	10.0	0	5	24	02	1	0	1	0	9	12	4	1	0
MIRAJ	0830	554	1005.8	944.9	+0.2	25.1	22.8	21.6	25.9	82	+ 1	5.9	+0.0	N 0 E	0	0	20	N 0 E	0	0	0	0	1	18	1	10	0
	1730	554	1001.8	942.3	+0.3	30.2	23.5	20.5	24.1	57	- 7	6.1	+0.0	N 0 E	0	0	29	0 E	0	1	0	0	1	24	3	1	0
KOLHAPUR	0530	570	1004.6	941.5	..	22.6	21.1	20.3	23.8	88	..	6.3	..	11.3	0	7	22	00	0	0	0	0	0	4	25	1	0
	0830	570	1005.4	942.7	+0.0	24.4	22.0	20.8	24.7	81	- 1	5.3	-0.7	9.2	0	3	25	01	0	0	0	0	10	12	5	2	0
	1130	570	1004.5	942.7	..	28.5	22.8	20.1	23.5	63	..	5.0	..	13.1	0	8	22	01	0	0	1	0	13	14	1	0	0
	1730	570	1002.0	940.1	-0.2	28.0	22.4	19.7	22.9	65	- 6	5.2	-0.7	19.5	0	16	14	00	0	0	0	0	8	19	3	0	0
	2330	570	1005.8	942.8	..	23.4	21.4	20.4	24.0	84	..	4.7	..	8.7	0	2	27	00	0	0	0	0	2	26	1	1	0
MARATHWADA																											
AURANGABAD	0830	581	1004.2	940.6	-0.1	26.0	21.5	19.1	22.4	69	- 7	4.6	-0.6	17.4	0	12	15	01	0	0	0	3	5	18	0	3	0
	1730	581	998.9	936.9	-0.1	32.7	22.2	16.1	19.0	44	- 7	5.7	-0.5	24.0	0	16	11	00	1	0	0	2	2	20	2	3	0
AURANGABAD(CHIKALTHAN)	0230	579	1002.5	938.9	..	24.6	20.6	18.3	21.3	72	..	4.5	..	18.6	0	12	13	00	0	0	0	0	2	19	4	5	0
	0530	579	1002.8	939.0	..	23.7	20.5	18.8	21.8	76	..	5.1	..	15.3	0	8	18	00	0	0	0	0	2	22	2	4	0
	0830	579	1003.5	940.2	-0.1	26.3	24.7	19.4	22.7	68	- 7	4.5	-0.1	21.0	0	14	14	01	0	0	0	0	3	15	9	2	0
	1130	579	1002.3	940.0	..	31.0	22.8	18.4	21.7	51	..	4.6	..	23.9	0	18	11	02	1	0	0	0	4	18	4	1	0
	1430	579	999.3	937.8	..	33.7	22.7	16.7	19.5	41	..	5.1	..	23.9	0	15	15	02	4	0	0	1	6	13	4	0	0
	1730	579	998.5	936.6	+0.0	32.1	22.5	17.1	20.2	48	- 3	5.8	+0.0	24.5	0	18	11	01	1	0	1	0	4	14	8	1	0
	2030	579	1001.4	938.6	..	28.3	21.7	17.9	21.0	58	..	5.1	..	22.7	0	18	9	02	0	0	0	0	3	19	3	3	0
	2330	579	1003.0	939.7	..	25.7	21.1	18.2	21.6	65	..	5.3	..	20.7	0	15	14	02	0	0	0	0	2	22	3	1	0
PARBHANI	0830	423	1003.9	957.4	+0.4	27.6	20.5	15.8	18.3	52	-20	4.8	+0.1	14.5	0	8	22	00	1	0	0	0	3	18	8	0	0
	1730	423	998.3	953.0	+0.5	34.4	22.5	14.4	17.6	35	-12	6.1	+0.5	12.9	0	7	23	01	1	0	0	3	2	17	6	0	0
NANDER	0830	358	1003.5	964.0	..	29.0	23.2	19.8	23.7	61	..	3.9	..	4.9	0	0	21	01	0	0	0	0	8	10	2	9	0
	1730	358	999.7	961.2	..	34.9	25.7	21.2	25.5	50	..	4.3	..	4.0	0	0	19	02	0	0	0	0	6	8	3	11	0
BIR	0830	519	1004.5	947.7	..	26.9	21.7	19.0	22.1	64	..	4.0	..	7.7	0	0	29	00	0	1	0	0	10	1	17	1	0
	1730	519	999.0	943.5	..	33.3	22.4	16.2	19.0	42	..	4.7	..	11.2	0	4	25	00	2	0	2	0	5	0	20	1	0
VIDARBHA																											
GONDIA	0830	313	1001.3	967.1	+0.5	30.2	24.0	20.6	24.7	61	- 2	4.2	-0.6	3.0	0	0	22	02	1	0	0	1	6	5	6	8	1
NAGPUR(SONEGAON)	1730	313	996.9	963.3	+0.7	34.0	24.2	18.5	22.1	48	+ 1	5.0	-0.4	4.5	0	0	26	03	1	1	2	1	6	10	2	4	0
	0230	310	999.6	965.5	..	28.3	22.9	19.5	23.5	66	..	4.4	..	7.0	0	2	19	02	1	0	0	0	4	5	9	9	0
	0530	310	1000.2	965.9	..	27.6	22.8	19.9	23.8	69	..	5.5	..	7.3	0	2	22	01	0	1	0	1	5	8	8	6	0
	0830	310	1001.3	967.3	+0.2	30.8	24.5	20.8	25.6	61	+ 2	4.5	-0.7	15.3	0	9	21	03	0	1	0	2	2	9	13	0	0
	1130	310	1000.5	967.0	..	34.6	25.2	20.6	24.3	49	..	4.4	..	12.3	0	8	22	01	2	0	1	2	4	8	12	0	0
	1430	310	997.8	964.5	..	36.0	25.3	19.4	23.5	45	..	5.6	..	12.1	0	5	22	00	3	0	0	1	8	9	6	3	0
	1730	310	996.9	963.5	+0.4	34.4	24.7	19.3	23.2	48	+ 2	6.2	+0.0	11.7	0	4	22	03	2	0	1	0	5	6	9	4	0
	2030	310	999.5	965.6	..	30.5	23.9	20.5	24.3	62	..	5.6	..	6.5	0	1	22	01	0	3	2	3	4	4	6	7	0
	2330	310	1000.4	966.3	..	28.9	23.4	19.9	24.4	66	..	5.0	..	5.2	0	0	20	01	0	1	0	3	5	5	5	10	0
AMRAOTI	0830	370	1002.0	961.4	+0.0	28.9	24.3	22.0	26.6	70	+ 5	4.4	-0.6	7.0	0	0	30	01	0	0	0	1	8	14	6	0	0
	1730	370	997.5	957.7	+0.7	34.0	25.3	20.6	25.0	51	+ 8	5.2	-0.8	8.0	0	0	30	04	2	1	0	2	7	10	4	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE ,1967JYAISTHA 11 - ASADHA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gem. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA (CONTD)																											
AKOLA AERODROME	0530	309	1001.0	966.7	..	26.8	21.8	18.7	22.0	65	..	5.1	..	9.5	0	1	27	00	0	0	0	0	3	15	10	2	0
	0830	309	1002.3	968.2	..	28.7	23.2	20.2	23.8	63	..	4.7	..	11.4	0	2	28	00	0	0	0	0	3	18	9	0	0
	1130	309	1001.4	967.8	..	33.4	23.7	18.0	21.3	45	..	4.2	..	12.6	0	6	24	02	0	0	0	1	4	18	5	0	0
	1430	309	998.5	965.3	..	35.9	24.0	16.8	20.0	37	..	4.6	..	11.7	0	3	26	00	2	0	0	1	4	15	7	1	0
	1730	309	997.1	963.9	..	35.8	23.4	15.3	18.6	37	..	4.9	..	11.5	0	5	24	01	2	0	0	1	5	13	7	1	0
	2030	309	999.2	965.5	..	32.2	22.8	16.6	20.1	47	..	5.0	..	9.9	0	3	21	00	0	0	1	2	6	8	7	6	0
	2330	309	1000.8	966.8	..	29.7	22.6	18.1	21.6	55	..	4.8	..	10.5	0	5	25	01	0	0	0	3	9	10	7	0	0
AKOLA	0830	282	1002.6	971.4	+0.2	29.0	23.3	20.2	24.0	62	- 4	5.0	+0.6	3.3	0	0	27	01	0	0	0	0	4	21	1	3	0
	1730	282	997.2	966.9	+0.2	35.6	23.8	17.0	19.9	40	- 3	5.3	+0.6	3.2	0	0	26	00	2	0	0	0	8	8	8	4	0
BRAHMAPURI	0830	229	1002.0	976.7	-0.5	29.5	23.7	20.2	24.6	64	- 2	4.7	-0.3	4.8	0	0	28	02	1	1	2	7	4	6	5	2	0
	1730	229	997.8	973.0	+0.1	34.3	25.1	19.9	24.4	51	+ 5	5.5	+0.1	8.9	0	1	28	02	2	0	4	4	6	6	5	1	0
BULDANA	0830	650	1002.8	931.9	+0.2	25.5	21.4	19.2	22.4	70	- 5	4.8	-0.2	13.7	0	7	22	01	0	0	0	0	10	2	16	1	0
	1730	650	997.5	928.5	+0.2	32.4	21.9	15.8	18.5	42	- 8	5.0	-0.7	7.5	0	0	30	04	2	0	0	0	5	0	19	0	0
YEOTMAL	0830	451	1001.8	952.4	+0.2	28.5	23.2	20.3	24.1	66	- 4	4.6	-0.5	20.0	0	11	19	01	1	0	0	0	5	14	9	0	0
	1730	451	996.8	948.7	+0.3	34.3	23.9	17.6	21.1	44	- 6	5.1	-0.7	14.2	0	7	22	02	0	1	1	2	5	11	7	1	0
CHANDRAPUR	0830	193	1002.0	980.7	-0.1	30.0	23.9	20.5	24.7	62	- 2	4.8	-0.2	14.9	0	10	20	01	0	0	1	4	6	11	7	0	0
	1730	193	997.3	976.4	+0.1	35.7	25.7	20.4	24.7	47	- 2	5.0	-0.5	12.6	0	6	23	02	0	1	2	4	4	8	8	1	0
PUSAD	0830	334	1003.8	967.1	..	29.2	24.1	21.5	25.9	66	..	3.0	..	3.4	0	0	21	00	0	0	0	0	9	0	12	9	0
	1730	334	999.7	963.9	..	35.7	26.1	21.6	25.9	48	..	5.3	..	3.3	0	0	25	00	0	1	0	0	17	0	7	5	0
SIRONCHA	0830	123	1003.3	989.6	+0.8	29.6	24.1	20.9	25.5	67	+ 1	5.0	-0.3	3.0	0	0	29	00	1	0	8	1	6	2	11	1	0
	1730	123	998.4	984.9	+0.5	35.1	25.5	20.3	24.7	50	+ 2	5.2	-0.4	3.0	0	0	22	00	2	0	3	3	5	3	6	8	0
WARDHA	0830	283	1002.1	970.9	..	30.3	23.8	20.1	24.1	60	..	4.6	..	7.7	0	0	30	03	1	0	0	1	5	10	10	0	0
	1730	283	998.3	967.7	..	35.0	24.2	17.7	21.3	44	..	5.5	..	8.4	0	1	29	04	1	2	1	1	5	9	7	0	0
BHANDARA	0830		..	..	..	30.2	23.4	19.2	23.2	59	..	.	..	2.5	0	0	21	00	0	0	1	3	4	7	6	9	0
	1730		..	..	..	35.0	23.5	15.9	19.5	40	..	.	..	3.5	0	0	26	00	4	1	0	4	13	0	4	4	0
COASTAL ANDHRA PRADESH																											
KALINGAPATAM	0830	6	1001.6	1001.4	+0.6	30.0	27.3	26.7	34.2	83	+ 4	3.8	-2.1	12.7	0	5	25	03	0	0	0	9	10	0	3	0	5
	1730	6	999.1	998.5	+0.6	30.2	27.9	27.0	35.9	84	+ 7	4.2	-2.0	14.6	0	10	19	02	0	0	0	10	11	0	1	1	5
VISHAKHAPATNAM	0230	3	1000.5	1000.1	..	28.8	26.5	25.4	32.6	83	..	4.9	..	8.2	0	2	25	00	0	0	1	0	17	7	2	3	0
	0530	3	1000.8	1000.4	..	28.3	25.9	24.9	31.5	83	..	6.1	..	7.9	0	2	24	01	0	0	0	0	12	9	3	4	1
	0830	3	1002.3	1001.9	+0.4	30.7	26.7	24.9	31.7	73	- 7	5.9	-0.2	14.7	0	11	17	00	0	0	0	1	17	9	1	2	0
	1130	3	1001.6	1001.2	..	33.4	27.6	25.1	32.1	66	..	5.6	..	19.5	0	19	9	00	0	0	0	4	17	5	2	2	0
	1430	3	999.6	999.2	..	33.3	27.6	25.1	32.2	66	..	5.5	..	21.2	0	19	11	01	1	2	0	5	15	2	2	0	2
	1730	3	999.4	999.0	+0.5	31.5	27.1	25.3	32.2	73	-10	6.1	-0.4	14.6	0	11	16	00	1	0	1	5	15	5	0	3	0
	2030	3	1001.0	1000.6	..	29.5	26.5	25.5	32.4	80	..	5.0	..	8.6	0	0	25	00	0	0	1	2	17	4	1	5	0
	2330	3	1001.7	1001.3	..	29.1	26.5	25.4	32.4	81	..	5.0	..	5.9	0	1	21	01	0	1	0	1	8	8	3	8	0
KAKINADA	0830	8	1003.0	1002.1	+0.3	30.3	26.4	24.8	31.5	74	+ 2	5.1	+0.0	12.1	0	1	29	00	0	0	5	0	25	0	0	0	0
	1730	8	999.5	998.6	+0.3	33.1	26.9	24.1	30.4	62	+ 1	5.0	-0.1	12.3	0	1	29	00	1	0	13	0	11	0	5	0	0
NIDADAVOLE	0830	12	1003.8	1002.1	-0.4	29.7	26.0	24.4	30.7	75	- 1	5.3	-1.2	4.6	0	0	29	00	0	1	1	2	10	13	2	1	0
	1730	12	999.4	998.0	-0.5	35.6	25.8	22.0	25.2	52	- 6	6.1	-0.6	5.9	0	0	30	01	0	0	2	6	6	15	0	0	0
RENTACHINTALA	0830	106	1003.5	991.8	-0.1	30.7	23.9	20.2	24.1	61	+ 0	4.2	-2.3	2.3	0	0	27	00	0	0	0	2	0	25	0	3	0
	1730	106	999.2	987.7	+0.4	35.5	24.2	17.4	21.0	42	- 1	5.2	-1.1	2.3	0	0	26	00	0	0	0	0	0	22	4	4	0
GANNAVARAM	0230	24	1001.5	998.8	..	27.9	25.1	23.7	29.5	80	..	4.8	..	8.1	0	3	18	01	0	2	2	3	7	5	1	9	0
	0530	24	1001.9	999.2	..	27.9	24.9	23.2	28.9	80	..	6.3	..	8.5	0	4	16	00	0	3	0	3	3	9	2	10	0
	0830	24	1003.4	1000.7	+0.3	30.6	25.5	23.0	28.4	67	+ 3	5.5	-0.3	14.2	0	7	20	01	0	0	0	4	5	12	5	3	0
	1130	24	1002.6	999.9	..	34.3	25.5	21.1	25.3	51	..	5.0	..	16.8	0	10	18	01	0	0	0	3	2	12	10	2	0
	1430	24	1000.3	997.7	..	36.0	25.7	20.3	24.6	48	..	5.5	..	15.9	0	3	24	02	0	0	2	2	3	11	7	3	0
	1730	24	999.3	996.7	+0.4	34.8	25.5	20.6	25.0	49	+ 1	5.9	-0.2	15.2	0	9	21	02	1	0	2	4	3	12	6	0	0
	2030	24	1001.7	999.0	..	30.9	25.4	22.5	27.9	66	..	4.9	..	9.1	0	0	22	00	1	0	4	4	6	5	2	8	0
	2330	24	1002.5	999.8	..	29.3	25.2	23.2	28.6	73	..	5.0	..	9.7	0	4	21	00	0	2	2	4	8	8	1	5	0
MASULIPATAM	0830	3	1003.5	1003.2	+0.1	29.8	25.4	23.2	28.8	71	+ 2	6.4	+1.4	5.3	0	0	30	02	0	0	1	13	5	9	0	0	0
	1730	3	999.8	999.5	+0.4	33.1	26.1	23.1	27.9	59	+ 0	6.0	+0.9	4.5	0	0	30	01	0	1	4	3	8	11	1	0	1
ONGOLE	0830	12	1003.7	1002.4	+0.1	32.5	26.6	23.8	30.0	62	- 9	4.9	-0.1	5.5	0	0	30	00	0	0	4	0	1	25	0	0	0
	1730	12	1000.0	998.7	+0.4	34.0	27.2	24.1	30.5	59	- 3	5.0	-0.4	4.5	0	0	30	00	0	0	14	0	2	13	1	0	0
NELLORE	0530	20	1002.9	1000.7	..	27.0	25.7	24.8	31.9	84	..	6.2	..	4.3	0	0	25	00	0	3	5	0	10	6	1	5	0
	0830	20	1004.4	1002.2	+0.0	31.0	26.8	25.6	31.9	75	+18	6.4	+0.6	7.3	0	0	28	00	0	0	4	0	13	6	5	2	0
	1130	20	1003.9	1001.8	..	34.6	28.0	25.3	32.4	60	..	5.2	..	10.0	0	1	29	00	0	1	2	1	17	2	7	0	0
	1430	20	1001.6	999.5	..	36.6	29.2	26.4	34.4	58	..	5.5	..	9.6	0	0	30	00	0	1	6	0	13	4	6	0	0
	1730	20	1000.7	998.5	+0.2	34.6	28.8	26.6	34.8	64	+18	5.6	-0.5	9.2	0	0	30	00	0	2	11	0	14	2	1	0	0
	2330	20	1003.3	1001.1	..	29.4	26.6	25.5	32.4	80	..	5.8	..	7.7	0	1	27	00	3	2	7	2	11	3	0	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE 1967 (JYAISTHA 11 - ASADHA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TELANGANA																											
RAMGUNDAM	0830	156	1002.7	985.3	+0.4	29.6	23.8	20.5	24.7	64	+ 5	4.6	-0.9	6.5	0	1	22	01	0	3	0	4	0	15	0	7	0
	1730	156	998.1	981.2	+0.6	36.2	25.1	18.6	22.8	44	+ 2	5.9	+0.4	4.8	0	0	30	04	1	3	0	5	1	13	3	0	0
NIZAMABAD	0830	381	1003.3	961.5	+0.3	28.5	22.3	18.7	21.8	60	- 5	3.8	-0.8	3.3	0	0	28	00	1	0	0	1	26	0	0	2	0
	1730	381	998.1	957.3	+0.3	35.0	23.8	16.7	20.5	43	- 4	4.0	-1.1	3.7	0	0	24	00	2	0	0	0	18	0	4	6	0
HANAMKONDA	0830	269	1002.9	973.3	+0.0	29.7	23.1	19.6	22.8	62	+ 0	4.2	-0.7	2.7	0	0	30	04	0	0	1	6	3	12	4	0	0
	1730	269	1000.1	971.0	+1.4	34.4	24.2	17.9	21.8	46	+ 0	3.5	-1.8	2.1	0	0	30	03	1	0	4	1	5	7	9	0	0
HAKIMPET AERODROME	0530	613	1002.4	935.4	..	25.1	21.5	19.5	22.7	73	..	5.6	..	23.4	0	17	13	00	1	1	1	0	7	13	7	0	0
	0830	613	1003.3	936.7	..	27.1	22.5	20.2	23.8	69	..	5.1	..	30.0	0	23	7	03	0	0	1	0	5	15	6	0	0
	1130	613	1002.2	936.5	..	30.7	24.0	20.7	24.4	57	..	4.9	..	29.8	0	23	7	03	0	1	1	0	8	9	8	0	0
	1730	613	999.5	934.1	..	31.7	23.8	20.5	23.5	56	..	5.5	..	22.5	0	13	17	02	1	0	2	3	4	9	9	0	0
	2330	613	1002.1	935.6	..	27.2	22.3	19.8	22.9	68	..	5.2	..	22.5	0	17	12	01	0	0	4	2	8	10	4	1	0
BHADRACHALAM	0830	111	1002.6	990.3	-0.4	30.4	24.3	21.2	25.3	61	- 3	6.0	+0.0	4.6	0	0	30	01	2	5	6	0	9	1	6	0	0
	1730	111	998.5	984.9	-1.4	33.7	24.6	18.5	23.5	45	- 2	6.2	-0.5	4.1	0	0	30	00	6	5	7	0	2	0	10	0	0
HYDERABAD (BEGAMPET)	0230	545	1001.5	942.2	..	26.9	20.8	17.1	20.0	61	..	5.5	..	16.6	0	14	14	02	0	0	2	2	4	12	6	2	0
	0530	545	1002.4	942.8	..	25.7	20.4	17.1	20.0	65	..	5.8	..	14.4	0	11	17	01	0	1	1	0	4	13	8	2	0
	0830	545	1003.7	944.4	+0.1	27.2	21.0	17.1	20.4	60	-11	5.3	-0.5	21.6	0	18	12	03	0	0	1	1	2	14	9	0	0
	1130	545	1002.4	943.9	..	31.2	22.1	16.9	19.7	48	..	5.2	..	36.5	0	21	9	03	0	1	1	0	3	14	8	0	0
	1730	545	998.8	940.6	+0.2	32.2	22.0	15.6	18.9	46	- 8	6.5	+0.3	14.7	0	7	23	03	1	0	2	2	2	7	13	0	0
	2330	545	1002.5	943.4	..	27.7	21.3	17.2	20.6	61	..	5.6	..	13.3	0	9	16	02	0	0	4	0	3	11	5	5	0
KHAMMAM	0830	112	1003.5	991.1	+1.0	30.1	25.3	22.9	28.3	70	+ 1	5.0	-0.5	4.1	0	0	20	03	2	1	3	0	3	2	6	10	0
	1730	112	999.1	986.6	+0.3	35.1	26.1	21.6	26.4	53	+ 4	6.2	+0.0	1.3	0	0	13	06	0	3	0	1	0	0	3	17	0
MAHBUBNAGAR	0830	505	1004.1	948.8	-0.6	27.5	21.7	18.3	21.7	61	-14	6.1	-0.2	10.8	0	2	28	01	0	0	0	0	5	14	10	0	0
	1730	505	999.2	944.9	-0.8	33.3	23.4	17.2	21.6	45	- 8	7.2	+0.7	7.1	0	0	29	01	2	0	0	1	8	10	7	1	0
RAYALASEEMA																											
KURNOOL	0830	281	1005.7	974.3	+0.2	28.2	23.1	20.4	24.1	64	- 5	5.3	-0.8	16.2	0	8	22	00	0	0	0	0	23	0	7	0	0
	1730	281	1000.0	969.4	-0.1	34.8	23.7	17.7	20.2	39	- 7	6.1	-0.2	16.3	0	10	16	00	2	0	0	0	11	0	10	4	3
NANDYL	0830	212	1005.3	981.8	..	29.5	24.1	21.5	25.5	63	..	5.5	..	9.7	0	3	25	01	1	2	0	1	4	11	8	2	0
	1730	212	999.4	976.7	..	34.9	24.2	18.3	21.4	42	..	5.4	..	13.7	0	7	23	05	2	4	1	1	1	13	3	0	0
ANANTAPUR	0530	350	1004.3	965.3	..	25.5	22.8	21.4	25.6	78	..	6.1	..	15.3	0	10	16	00	0	0	1	0	1	23	1	4	0
	0830	350	1005.5	966.8	+0.2	27.1	23.5	21.6	25.9	71	+ 2	5.4	-0.5	16.3	0	12	15	00	0	0	1	1	3	22	8	3	0
	1130	350	1004.2	966.1	..	32.0	24.2	20.1	23.8	51	..	5.3	..	18.3	0	13	16	01	0	0	0	0	1	20	7	1	0
	1430	350	1001.2	963.5	..	34.9	24.6	19.2	22.4	42	..	5.7	..	16.3	0	9	17	03	0	0	0	0	4	11	8	4	0
	1730	350	1000.1	962.4	-0.3	34.0	24.3	18.9	23.2	44	- 3	5.9	-0.3	16.5	0	10	14	02	1	0	0	1	3	12	5	6	0
	2030	350	1002.5	964.4	..	30.9	23.6	19.7	23.2	54	..	5.2	..	12.7	0	7	12	00	0	0	0	1	2	15	1	11	0
	2330	350	1004.4	965.8	..	28.0	23.7	21.5	25.8	69	..	5.1	..	21.7	0	16	13	00	0	0	0	0	4	22	3	1	0
CUDDAPAH	0830	130	1005.6	991.1	-0.2	29.7	24.2	21.4	25.6	63	+ 0	4.6	-0.8	3.3	0	0	19	00	0	0	0	0	2	17	0	11	0
	1730	130	1000.4	986.2	-0.4	35.3	25.3	20.3	24.1	46	- 3	5.1	-0.6	3.0	0	0	16	00	0	0	0	0	1	15	0	14	0
AROGYAVARAM	0830	701	1005.2	929.1	-0.2	25.9	21.2	18.8	21.8	66	- 1	5.8	-0.2	11.2	0	3	26	01	0	0	1	0	4	2	21	1	0
	1730	701	1000.7	926.2	-0.1	30.6	22.6	18.4	21.6	52	+ 4	6.4	-0.5	12.1	0	4	26	00	2	0	1	0	8	0	19	0	0
MADRAS STATE (INCLUDING PONDICHERRY)																											
MADRAS	0830	6	1005.3	1004.6	+0.1	29.9	25.3	23.3	28.3	68	+ 8	5.2	-0.4	5.7	0	0	23	01	0	0	2	2	5	12	1	7	0
	1730	6	1001.7	1001.0	..	31.4	26.4	24.3	30.4	66	..	5.8	..	8.7	0	1	28	00	0	6	8	8	3	4	0	1	0
MADRAS (MINAMBAKKAM)	0230	16	1003.3	1001.6	..	28.1	24.6	22.9	27.9	75	..	4.1	..	10.0	0	0	29	01	0	0	2	15	7	4	0	1	0
	0530	16	1003.6	1001.9	..	27.6	24.4	22.9	27.9	76	..	5.2	..	8.7	0	0	24	01	0	0	1	13	5	3	1	6	0
	0830	16	1005.2	1003.5	+0.0	30.3	24.9	22.3	27.1	64	+ 6	5.7	-0.1	12.3	0	3	25	01	0	0	1	7	11	8	0	2	0
	1130	16	1004.5	1002.8	..	34.0	25.1	20.8	24.6	48	..	5.4	..	16.5	0	10	20	01	0	2	0	2	9	15	1	0	0
	1430	16	1002.2	1000.5	..	35.8	25.6	20.4	24.4	43	..	5.5	..	15.5	0	8	22	00	0	2	3	8	7	9	1	0	0
	1730	16	1001.6	999.9	+0.0	32.6	26.1	23.2	28.6	59	+ 0	5.8	-0.6	15.7	0	8	22	01	0	3	11	8	4	3	0	0	0
	2030	16	1003.7	1002.0	..	29.5	25.6	24.0	29.7	73	..	4.3	..	13.7	0	8	22	00	0	0	9	15	4	1	1	0	0
	2330	16	1004.4	1002.7	..	28.8	25.3	23.7	29.3	75	..	4.7	..	14.6	0	9	21	00	0	0	3	17	7	3	0	0	0
VELLORE	0530	214	1004.2	980.3	..	26.8	23.1	21.2	25.3	72	..	5.5	..	6.3	0	0	25	01	0	0	0	3	12	6	3	5	0
	0830	214	1005.6	982.0	+0.1	28.9	23.5	20.9	24.4	62	+ 0	5.1	+0.1	8.7	0	1	28	00	0	0	0	1	4	19	5	1	0
	1130	214	1004.7	981.2	..	32.9	24.3	19.9	23.2	47	..	5.3	..	7.7	0	1	29	01	0	0	0	0	9	15	5	0	0
	1730	214	1001.5	978.0	-0.1	33.5	24.4	19.7	23.1	47	+ 0	5.9	-0.2	6.2	0	0	28	02	0	2	3	2	12	5	2	2	0
	2330	214	1005.0	981.2	..	28.4	23.5	21.0	25.0	65	..	4.6	..	4.7	0	0	14	00	0	0	0	4	4	6	0	16	0
TAMBARAM AERODROME	0830	29	1004.9	1002.1	..	30.6	25.7	22.9	28.9	68	..	5.6	..	16.6	0	9	19	00	1	0	1	5	11	8	2	2	0
	1730	29	1002.1	999.1	..	34.7	26.8	23.8	28.6	59	..	5.6	..	24.5	0	17	13	00	0	2	12	7	4	5	0	0	0
TIRUPPATTUR	0830	390	1008.0	964.3	+0.4	23.4	22.3	21.5	25.9	86	+16	7.9	+2.0	4.7	0	0	27	12	0	0	0	15	0	0	0	3	0
	1730	390	1003.5	960.1	-0.2	26.5	24.0	22.3	27.9	80	+29	8.0	+1.2	7.9	0	0	30	10	0	0	0	20	0	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JUNE ,1967JYAISTHA 11 - ASADHA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADRAS STATE(INCLUDING PONDICHERRY)(CONTD.)																											
METTUR DAM R.S.	0830	244	..	..	..	27.7	23.8	21.8	26.3	71	..	5.0	..	3.3	0	0	30	00	11	0	6	0	9	0	4	0	0
	1730	244	..	..	..	29.8	27.3	26.3	34.2	82	..	7.4	..	4.9	0	0	30	00	6	0	8	0	10	0	6	0	0
CUDDALORE	0530	12	1004.1	1002.8	..	27.6	24.8	23.3	28.9	78	..	4.3	..	2.5	0	0	15	00	0	0	1	4	10	0	0	15	0
	0830	12	1005.6	1004.3	-0.4	29.9	25.5	23.6	28.9	70	+ 7	5.1	-0.2	6.4	0	0	26	00	0	0	1	2	22	1	0	4	0
	1130	12	1004.9	1003.7	..	34.0	26.3	22.9	27.9	53	..	5.3	..	6.7	0	0	25	00	0	0	3	2	14	5	0	5	1
	1430	12	1002.6	1001.3	..	34.8	27.0	23.5	29.3	53	..	5.6	..	9.7	0	0	29	00	0	3	9	2	13	1	1	1	0
	1730	12	1002.2	1000.9	-0.1	31.9	26.7	24.5	30.7	67	+ 5	5.4	-0.5	8.2	0	0	25	00	0	0	17	1	7	0	0	5	0
	2330	12	1005.2	1003.9	..	28.9	25.7	24.2	30.4	76	..	2.6	..	7.9	0	0	25	00	0	0	2	6	15	2	0	5	0
KALLAKKURICHCHI	0830	127	1005.4	991.3	+0.0	29.5	26.2	24.7	31.3	76	+12	4.9	+0.3	5.1	0	0	18	00	1	0	1	0	16	0	0	12	0
	1730	127	1001.6	987.7	+0.1	32.7	27.1	24.6	31.3	65	+16	6.1	+0.3	8.6	0	0	25	04	1	0	1	2	18	1	0	5	0
SALEM	0530	278	1005.0	973.9	..	25.6	22.6	21.3	25.0	80	..	4.9	..	4.7	0	0	20	00	0	0	0	0	6	14	0	10	0
	0830	278	1006.3	975.4	-0.5	27.0	23.3	21.4	25.6	71	- 3	5.5	+0.3	5.7	0	0	16	00	0	1	0	1	6	8	0	14	0
	1130	278	1005.3	974.8	..	31.3	24.0	20.3	23.8	52	..	5.5	..	7.1	0	0	26	00	1	1	0	3	5	14	1	4	1
	1730	278	1001.9	971.6	-0.6	32.1	23.8	19.4	22.7	49	- 2	6.8	+0.4	6.9	0	2	22	00	0	1	1	2	3	17	0	6	0
	2330	278	1006.0	975.1	..	27.1	22.9	20.7	24.4	69	..	5.3	..	5.2	0	0	23	00	0	0	0	0	13	10	0	7	0
COIMBATORE(PILAMEDU)	0530	399	1005.8	961.2	..	23.0	22.4	22.1	26.6	95	..	5.2	..	15.1	0	4	26	00	0	0	0	13	17	0	0	0	0
	0830	399	1007.1	962.8	+0.1	25.6	23.7	22.7	27.6	85	+ 8	5.8	+0.1	13.9	0	3	25	00	0	0	0	10	17	1	0	2	0
	1130	399	1006.2	962.5	..	29.2	25.0	23.0	28.3	71	..	5.4	..	18.1	0	9	20	00	0	0	0	13	13	3	0	1	0
	1430	399	1003.9	960.5	..	30.5	25.2	22.7	27.6	65	..	5.5	..	26.2	0	23	7	00	0	0	0	15	12	3	0	0	0
	1730	399	1003.9	960.1	-0.1	28.1	24.5	22.9	27.7	74	+ 8	5.8	-0.4	27.9	0	26	4	00	0	0	0	12	18	0	0	0	0
	2030	399	1006.1	961.8	..	25.2	23.4	22.8	27.3	85	..	4.6	..	19.7	0	13	17	00	0	0	0	12	18	0	0	0	0
	2330	399	1007.1	962.6	..	24.1	23.0	22.5	27.3	91	..	4.3	..	19.8	0	11	18	00	0	0	0	13	15	1	0	1	0
COIMBATORE	0830	409	1006.7	961.4	-0.5	26.1	22.9	21.2	25.3	75	+ 0	5.3	-0.6	5.7	0	0	28	00	1	0	0	3	24	0	0	2	0
NAGAPATTINAM	0830	9	1006.3	1005.4	-0.2	29.8	25.1	23.3	27.9	67	+ 6	5.8	+0.4	11.2	0	6	21	00	0	0	0	0	13	14	0	3	0
	1730	9	1002.9	1001.9	-0.2	32.1	26.2	23.5	29.3	61	+ 0	5.7	+0.2	19.2	0	12	18	01	0	0	6	7	15	1	0	0	0
TIRUCHCHIRAPPALLI	0230	88	1004.4	994.5	..	27.3	23.1	20.9	24.9	69	..	4.6	..	14.8	0	13	14	00	0	1	0	1	2	22	1	3	0
	0530	88	1004.5	994.7	..	26.7	22.9	21.0	24.9	71	..	5.5	..	14.5	0	10	18	00	0	0	0	2	3	21	2	2	0
	0830	88	1006.0	996.1	-0.6	29.2	23.7	20.9	24.6	61	+ 2	5.6	+0.1	21.8	0	18	12	00	0	0	0	0	3	24	3	0	0
	1130	88	1005.2	995.5	..	33.4	24.3	19.6	22.9	45	..	5.8	..	30.3	0	26	4	00	0	0	0	0	4	23	3	0	0
	1430	88	1002.6	993.0	..	35.6	24.5	18.8	21.7	38	..	6.1	..	29.3	0	22	8	00	0	0	0	1	3	22	4	0	0
	1730	88	1002.2	992.5	-0.5	33.3	23.8	18.6	21.7	44	+ 1	6.3	+0.1	24.5	0	19	10	00	0	0	2	3	5	16	3	1	0
	2030	88	1004.7	994.9	..	29.7	23.5	20.3	23.8	59	..	5.6	..	18.1	0	11	18	00	0	0	3	5	6	15	0	1	0
	2330	88	1005.7	995.8	..	28.4	23.4	20.8	24.7	64	..	5.1	..	14.9	0	10	13	00	0	0	0	1	14	18	0	7	0
VEDARANNIYAM	0830	4	1006.5	1006.0	..	29.5	26.4	24.7	31.9	76	..	5.4	..	5.3	0	0	30	00	0	0	0	5	25	0	0	0	0
	1730	4	1003.6	1003.1	..	30.3	26.9	25.5	32.6	76	..	4.8	..	6.5	0	0	30	00	0	0	0	12	18	0	0	0	0
ATIRAMPATTINAM	0830	6	1006.3	1005.6	..	29.9	25.5	23.5	28.9	69	..	4.7	..	6.3	0	0	28	02	1	0	0	6	13	4	2	2	0
	1730	6	1003.3	1002.7	..	30.3	26.7	25.2	32.1	75	..	4.6	..	18.0	0	12	17	00	0	0	0	27	2	0	0	1	0
MADURAI	0830	133	1006.8	992.0	+0.1	28.9	23.9	21.5	25.6	65	+10	5.1	-0.6	7.5	0	0	30	04	0	0	1	2	1	8	14	0	0
MADURAI AERODROME	0530	131	1005.0	990.3	..	26.0	23.0	21.5	25.6	77	..	5.2	..	9.6	0	3	19	04	0	1	1	4	3	4	5	8	0
	0830	131	1006.4	991.7	-1.1	29.1	23.9	21.4	25.3	64	+ 5	5.8	+0.3	12.9	0	6	17	03	0	0	1	2	3	6	8	7	0
	1130	131	1005.7	991.3	..	32.6	24.5	20.5	24.1	50	..	5.8	..	15.9	0	6	24	03	1	2	0	4	4	9	7	0	0
	1730	131	1003.1	988.6	-0.9	31.1	24.1	20.6	24.3	56	+ 7	6.7	+0.2	22.3	0	15	14	00	3	1	5	3	2	13	2	1	0
TONDI	0830	5	1006.8	1006.2	-1.2	29.4	24.8	22.7	27.6	68	+ 1	3.0	-2.3	6.2	0	1	19	00	0	0	0	6	12	2	0	10	0
	1730	5	1003.7	1003.1	-0.4	31.0	25.5	22.8	28.3	64	-11	4.6	-1.2	23.5	0	22	8	01	0	0	7	14	2	6	0	0	0
PAMBAN	0830	11	1006.3	1005.1	-1.0	28.8	27.8	27.5	36.5	92	+15	5.4	+1.6	20.0	0	18	12	01	0	0	2	8	17	2	0	0	0
	1730	11	1003.6	1002.3	-0.9	29.1	28.4	28.1	38.0	95	+16	5.7	+1.3	28.9	0	26	4	00	0	0	3	16	10	1	0	0	0
TUTICORIN	0830	4	1007.1	1006.7	-0.5	29.5	24.2	21.4	25.9	61	+ 1	3.9	-0.3	12.8	0	2	28	00	0	0	1	2	9	18	0	0	0
	1730	4	1004.0	1003.6	-0.6	32.4	24.9	21.1	25.3	53	+ 2	4.6	+0.6	16.3	0	9	21	00	0	1	0	7	11	11	0	0	0
PALAYANKOTTAI	0830	51	1007.7	1002.0	+0.5	30.1	25.4	22.9	28.6	65	+ 8	5.8	+0.2	15.9	0	9	21	02	0	0	0	0	0	28	0	0	0
	1730	51	1004.4	998.5	-0.3	32.1	24.4	20.8	24.1	50	- 1	6.5	+0.4	21.3	0	20	10	00	0	0	0	0	0	30	0	0	0
KANNIYAKUMARI	0830	37	1007.9	1003.8	..	26.6	24.2	22.9	28.3	81	..	6.3	..	14.7	0	9	21	00	0	0	0	0	5	22	3	0	0
	1730	37	1005.5	1001.4	..	27.7	24.9	23.7	29.1	79	..	6.5	..	17.5	0	8	22	00	0	0	0	0	8	20	2	0	0
PONDICHERRY ●	0830																										
	1730																										
COASTAL MYSORE																											
KARWAR	0830	4	1007.3	1006.8	+0.4	27.1	25.6	24.9	31.5	88	+ 0	7.4	+0.4	4.7	0	0	30	01	2	4	8	1	2	0	7	0	5
	1730	4	1005.1	1004.6	-0.1	28.5	25.7	24.5	30.4	79	- 3	6.3	-0.6	9.3	0	3	27	00	0	0	3	2	3	2	9	0	11
HONAVAR	0830	26	1007.7	1004.7	-0.1	25.8	24.5	23.9	29.7	89	+ 0	6.5	-0.4	3.8	0	0	29	01	3	14	0	7	0	4	0	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE ,1967JYAISTHA 11 - ASADHA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or Mt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL MYSORE (CONTD.)																											
HONAVAR	1730	26	1005.5	1002.6	-0.3	28.0	25.3	24.1	30.0	80	- 6	6.9	+0.1	6.9	0	1	29	00	0	0	0	15	0	10	5	0	0
MANGALORE(BAJPE)	0230	102	1006.3	994.7	..	24.9	24.1	23.7	29.3	93	..	6.6	..	7.6	0	0	20	00	0	7	3	3	3	2	2	10	0
	0530	102	1006.3	994.8	..	24.3	23.6	23.2	28.6	94	..	7.2	..	6.9	0	2	15	00	0	5	6	1	3	1	1	13	0
	0830	102	1007.9	996.4	-0.6	25.6	24.3	23.7	29.3	90	- 1	6.8	-0.2	8.5	0	0	25	02	1	6	9	1	2	2	1	5	1
	1130	102	1007.8	996.4	..	27.9	24.9	23.6	28.9	79	..	6.8	..	13.5	0	5	23	01	1	1	5	4	3	6	6	2	1
	1430	102	1006.1	994.7	..	28.6	25.2	23.7	29.3	76	..	6.6	..	17.7	0	12	17	00	1	1	0	3	7	9	8	1	0
	1730	102	1005.4	994.0	-1.2	27.7	25.1	23.9	29.7	81	- 4	6.9	-0.4	17.4	0	8	22	01	0	0	1	2	9	8	9	0	0
	2030	102	1007.2	995.7	..	25.8	24.5	23.8	30.5	89	..	6.7	..	10.9	0	3	23	00	1	5	0	2	4	5	9	4	0
	2330	102	1007.8	996.3	..	25.3	24.4	24.0	29.7	92	..	6.7	..	7.3	0	2	18	00	1	5	4	2	1	2	5	10	0
MANGALORE	0830	22	1007.9	1005.4	-0.4	26.0	24.3	23.6	28.9	87	- 2	7.1	+0.0	4.5	0	0	30	02	3	9	9	2	1	1	1	0	2
	1730	22	1005.7	1003.2	-0.7	28.7	25.5	24.3	30.0	79	- 6	6.5	-0.7	6.8	0	0	30	04	0	1	2	3	6	6	6	0	2
INTERIOR MYSORE,NORTH																											
BIDAR	0830	664	1003.3	931.4	+0.2	25.9	22.3	20.7	24.3	74	- 2	6.0	+0.3	17.2	0	13	17	01	1	1	0	0	12	8	7	0	0
	1730	664	998.8	928.2	+0.6	30.7	23.3	19.3	23.2	57	+ 3	6.8	+0.3	11.2	0	0	30	01	2	1	1	1	10	7	7	0	0
GULBARGA	0830	458	1004.6	954.1	-0.2	26.3	22.1	19.9	23.5	69	- 2	6.5	+1.0	13.6	0	5	23	00	0	0	0	0	3	21	4	1	0
	1730	458	999.1	950.2	+0.2	32.9	22.6	17.0	19.7	45	- 2	7.0	+0.7	15.5	0	10	19	03	1	1	0	1	2	17	4	1	0
BIJAPUR	0830	594	1005.2	940.0	+0.0	25.3	21.4	19.4	22.7	71	- 4	6.3	+1.0	9.1	0	0	30	00	0	1	1	1	6	17	4	0	0
	1730	594	998.8	935.7	-0.9	32.8	22.8	18.3	20.9	45	- 7	7.0	+1.2	9.1	0	0	30	05	1	0	0	2	1	14	7	0	0
RAICHUR	0830	400	1005.2	961.1	-0.1	27.7	22.6	20.4	23.2	64	- 9	5.0	-0.1	12.2	0	2	28	00	1	0	0	0	14	2	13	0	0
	1730	400	999.5	956.6	-0.4	33.9	23.3	16.8	20.0	41	- 9	5.6	-0.2	10.5	0	2	28	00	2	0	3	0	10	1	14	0	0
BELGAUM	0830	753	1007.2	925.0	+0.8	23.9	21.7	20.7	24.1	83	- 2	5.9	+0.0	5.2	0	0	28	00	0	0	0	0	1	27	0	2	0
	1730	753	1002.7	921.5	-0.7	26.3	22.3	20.4	24.0	72	- 4	5.8	-0.2	6.1	0	0	29	01	0	0	0	1	4	22	1	1	0
BELGAUM(SAMRA)	0530	747	1005.1	923.1	..	21.5	20.2	19.6	22.7	89	..	6.0	..	8.7	0	1	27	01	0	0	0	1	6	17	3	2	0
	0830	747	1005.9	924.5	-0.3	23.6	21.1	19.9	23.2	80	- 4	5.8	-0.7	13.1	0	7	21	00	0	0	0	1	9	15	3	2	0
	1130	747	1005.1	924.5	..	27.1	21.6	18.7	21.8	63	..	5.6	..	17.7	0	16	13	00	0	0	2	0	8	16	3	1	0
	1430	747	1003.0	922.9	..	28.7	22.2	18.5	22.1	59	..	6.3	..	19.5	0	17	13	01	0	0	0	1	8	17	3	0	0
	1730	747	1002.7	922.1	-0.7	26.5	21.6	19.1	22.1	67	- 8	6.0	-0.4	21.9	0	21	9	00	0	0	0	0	8	19	3	0	0
	2030	747	1005.4	923.7	..	23.3	21.0	19.9	23.2	81	..	5.7	..	17.7	0	24	6	00	0	0	0	0	8	20	2	0	0
GADAG	0530	650	1005.4	933.7	..	22.0	21.3	20.8	24.7	93	...	6.1	..	10.9	0	1	28	00	0	0	0	0	9	20	0	1	0
	0830	650	1006.4	935.1	+0.5	24.0	22.1	21.2	25.3	85	- 3	6.5	+0.4	9.9	0	1	29	00	0	0	0	0	12	16	2	0	0
	1130	650	1004.8	934.7	..	28.7	23.2	20.5	24.4	63	..	5.5	..	13.1	0	5	25	00	0	0	0	0	5	19	4	0	2
	1430	650	1002.2	932.7	..	30.8	23.1	19.3	22.7	53	..	6.1	..	15.1	0	9	20	00	0	0	0	1	5	20	2	1	1
	1730	650	1001.9	931.9	-0.4	29.8	22.8	19.3	22.7	57	-11	7.2	+1.0	11.1	0	3	27	01	0	0	1	0	11	11	6	0	0
	2030	650	1004.8	933.8	..	25.0	21.9	20.5	24.1	77	..	5.0	..	17.0	0	7	23	00	0	0	0	0	10	20	0	0	0
	2330	650	1006.3	934.7	..	23.2	21.5	20.7	24.4	86	..	4.8	..	13.7	0	1	29	00	0	0	0	1	16	13	0	0	0
INTERIOR MYSORE,SOUTH																											
BELLARY	0830	449	1006.2	956.7	+0.7	26.8	22.9	21.0	24.7	71	+ 4	4.5	-1.1	10.6	0	3	27	00	0	0	0	0	5	20	5	0	0
	1730	449	1001.3	953.0	+0.5	32.7	24.7	20.7	24.6	52	+ 2	5.1	-0.7	12.4	0	7	23	00	0	0	0	0	5	15	10	0	0
CHITRADURGA	0830	733	1006.2	926.0	-0.2	23.4	21.0	19.8	23.1	80	+ 1	5.6	-0.9	12.6	0	1	29	00	0	0	0	0	7	23	0	0	0
	1730	733	1001.4	923.2	-0.5	29.7	21.8	17.7	20.2	51	-12	5.2	-1.2	13.1	0	5	25	00	0	0	1	0	14	13	2	0	0
SHIMOGA	0830	571	1006.8	943.8	-0.1	24.2	21.6	20.4	23.8	80	- 3	7.0	+0.6	2.3	0	0	27	00	0	0	0	0	7	19	1	3	0
	1730	571	1003.3	941.6	-0.3	27.0	22.0	19.5	22.8	67	- 6	6.5	+0.2	3.1	0	0	29	00	0	0	0	3	6	19	1	1	0
AGUMBE	0830		..	..	..	22.4	21.1	20.4	24.1	89	..	.	..	3.5	0	0	25	00	6	0	0	0	19	0	0	5	0
BALEHONNUR	0830	890	..	..	..	22.0	20.7	20.2	23.5	89	- 3	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HASSAN	0830	960	1480.6	903.0	-0.4	21.0	19.6	19.0	21.8	88	+ 3	6.7	-0.1	7.3	0	0	27	00	0	0	0	0	3	24	0	3	0
	1730	960	1468.7	901.1	-0.3	24.9	21.0	19.0	22.1	71	- 6	6.3	-0.4	5.3	0	0	30	00	0	0	0	0	2	26	2	0	0
BANGALORE	0230	921	1477.1	906.7	..	21.2	19.7	18.9	21.8	87	..	4.9	..	10.2	0	1	26	00	0	0	0	0	6	21	0	3	0
	0830	921	1489.9	907.9	+0.8	22.4	20.1	18.9	21.8	81	- 1	6.0	-0.9	10.9	0	2	28	00	0	0	0	0	6	20	4	0	0
	1130	921	1497.2	907.7	..	26.9	21.2	18.2	21.0	60	..	6.4	..	13.5	0	6	24	01	0	0	0	0	3	20	5	0	1
	1430	921	1485.8	906.1	..	29.3	21.7	17.7	20.2	51	..	6.1	..	13.8	0	7	22	00	0	0	0	0	7	17	5	1	0
	1730	921	1475.1	905.2	+0.7	28.1	21.0	17.2	19.7	53	- 9	6.6	-0.3	11.4	0	4	25	00	0	0	0	0	7	15	7	1	0
	2030	921	1482.1	906.7	..	24.5	20.4	18.3	21.2	71	..	5.6	..	8.7	0	3	21	01	0	0	0	0	7	16	0	6	0
BANGALORE AERODROME	0530	897	1461.3	907.7	..	20.6	19.5	19.0	21.8	91	..	5.9	..	17.2	0	12	18	00	0	0	0	0	3	26	1	0	0
	0830	897	1475.6	909.3	-0.1	22.7	20.3	19.0	22.1	80	+ 0	6.5	-0.1	21.5	0	16	14	00	0	0	0	0	1	27	2	0	0
	1130	897	1484.1	909.0	..	26.6	21.1	18.3	21.0	61	..	6.4	..	23.0	0	18	12	00	0	0	0	0	0	22	8	0	0
	1730	897	1461.6	906.3	-0.6	28.0	21.2	17.5	20.1	55	- 6	6.9	+0.1	20.9	0	16	14	00	0	0	0	1	5	18	6	0	0
	2330	897	1475.8	909.0	..	22.3	20.3	19.3	22.4	83	..	5.4	..	19.8	0	18	12	00	0	0	0	0	4	25	1	0	0
MYSORE	0830	767	1007.5	923.5	-0.3	22.6	20.3	19.2	22.1	81	+ 0	3.5	-2.4	9.7	0	0	30	06	3	1	2	7	3	3	5	0	0
	1730	767	1003.4	921.0	-0.8	27.2	21.1	17.9	20.5	58	- 8	5.2	-1.2	17.6	0	15	15	00	0	0	0	4	8	15	3	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE 1967 (JYAISTHA 11 - ASADHA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of mean standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KERALA																											
CALICUT	0530	5	1007.3	1006.7	..	24.6	23.8	23.5	28.8	93	..	7.0	..	3.5	0	0	22	01	1	10	2	0	0	7	1	8	0
	0830	5	1008.8	1008.1	-0.3	26.0	24.6	23.9	29.8	89	- 1	6.5	-0.4	4.0	0	0	20	00	1	5	0	1	0	13	0	10	0
	1130	5	1009.0	1008.4	..	27.9	25.5	24.4	30.7	82	..	6.6	..	4.5	0	0	27	01	1	1	0	1	5	8	10	3	0
	1430	5	1007.6	1007.0	..	28.6	25.9	24.7	31.1	79	..	6.3	..	5.2	0	0	30	00	0	1	0	2	4	18	5	0	0
	1730	5	1006.9	1006.3	-0.1	27.8	25.3	24.3	30.0	81	- 4	6.6	-0.3	5.1	0	0	28	00	0	0	0	0	7	15	6	2	0
	2330	5	1009.1	1008.5	..	25.7	24.4	23.8	29.7	89	..	6.1	..	4.2	0	0	23	02	3	8	1	0	0	6	3	7	0
PALGHAT	0830	97	1008.4	997.3	-0.4	26.0	24.3	23.4	28.9	86	- 3	6.8	+0.4	8.6	0	0	30	00	0	0	0	0	0	29	1	0	0
	1730	97	1005.7	994.8	-0.6	28.0	24.9	23.0	28.9	76	- 6	6.8	-0.2	9.6	0	1	29	00	0	0	0	0	4	25	0	0	0
FORT COCHIN	0830	3	1008.7	1008.4	-0.8	26.8	24.9	23.8	30.0	87	- 1	7.4	+0.1	5.0	0	1	22	02	6	6	2	0	2	3	2	7	0
	1730	3	1006.6	1006.3	-0.7	27.2	25.2	24.6	30.4	83	- 1	7.1	-0.1	7.4	0	0	26	02	0	1	1	0	3	10	9	4	0
COCHIN (NAVAL AIR STATION)	0230	3	1007.6	1007.3	..	25.1	24.5	24.2	30.2	95	..	6.8	..	4.6	0	1	11	01	1	1	0	2	1	2	4	18	0
	0530	3	1007.5	1007.2	..	24.7	24.3	24.1	30.0	96	..	7.0	..	3.1	0	0	11	01	1	4	2	0	2	1	0	19	0
	0830	3	1008.9	1008.6	..	26.1	24.9	24.3	30.5	90	..	6.6	..	4.5	0	1	16	00	0	10	1	2	1	3	0	13	0
	1130	3	1009.1	1008.8	..	27.9	25.7	24.8	31.1	83	..	6.7	..	6.2	0	0	19	02	1	1	1	3	2	5	4	11	0
	1730	3	1006.8	1006.5	..	27.9	25.8	25.0	31.5	84	..	6.6	..	9.8	0	0	26	01	0	1	0	1	5	11	7	4	0
	2330	3	1009.0	1008.7	..	25.7	24.9	24.6	30.7	94	..	6.7	..	3.0	0	0	9	00	0	3	0	0	2	1	3	21	0
ALLEPPEY	0830	4	1008.8	1008.4	-0.3	26.4	25.1	24.5	30.7	89	- 1	6.7	-0.4	12.5	0	3	26	02	5	5	6	0	2	3	6	1	0
	1730	4	1006.6	1006.2	-0.5	28.2	25.9	24.9	31.5	82	- 3	6.4	-0.6	16.9	0	11	19	01	0	1	0	0	2	6	20	0	0
PUNALUR	0830	34	1008.9	1005.1	-0.7	25.9	24.7	24.2	30.2	90	- 3	7.3	+1.0	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730	34	1006.3	1002.5	-1.1	28.8	25.4	23.9	29.7	77	+ 2	7.9	+1.4	5.0	0	0	26	01	0	0	0	0	7	12	6	4	0
TRIVANDRUM	0230	64	1007.4	1000.1	..	24.6	24.0	23.7	29.3	95	..	5.6	..	3.1	0	0	13	04	0	0	0	0	0	4	5	17	0
	0530	64	1007.5	1000.2	..	24.3	23.6	23.3	28.6	95	..	6.7	..	7.3	0	1	26	07	5	0	0	0	1	6	8	3	0
	0830	64	1008.9	1001.6	-0.7	25.7	24.4	23.8	29.7	89	- 1	6.7	+0.1	6.4	0	0	28	08	7	0	1	0	0	4	8	2	0
	1130	64	1008.6	1001.4	..	28.4	25.2	23.8	32.1	77	..	6.4	..	12.9	0	2	28	04	1	0	0	0	0	7	18	0	0
	1430	64	1006.9	999.7	..	28.3	25.3	23.9	29.8	77	..	6.8	..	13.4	0	4	25	03	0	0	0	0	1	9	16	1	0
	1730	64	1006.5	999.3	-0.8	27.1	25.1	24.1	30.2	82	+ 0	6.9	+0.3	12.5	0	6	24	02	0	0	0	0	1	10	17	0	0
	2030	64	1008.5	1001.2	..	25.8	24.7	24.1	30.4	91	..	6.2	..	6.6	0	0	29	02	2	0	0	0	1	9	15	1	0
	2330	64	1008.9	1001.6	..	24.9	24.2	23.8	29.7	93	..	6.1	..	7.7	0	0	28	09	2	0	0	0	2	2	13	2	0
TRIVANDRUM AERODROME	0830	8	1009.0	1008.1	-0.7	26.5	24.6	23.8	29.3	85	- 1	6.9	+0.6	13.7	0	8	18	17	3	0	0	0	0	1	5	4	0
ARABIAN SEA ISLANDS																											
AMINI	0530	4	1005.5	1005.1	..	28.2	26.1	25.2	32.2	84	..	7.2	..	32.9	1	24	4	00	0	0	0	0	4	19	6	1	0
	0830	4	1007.2	1006.8	-1.0	28.2	26.2	25.4	32.4	85	+ 3	7.0	+0.5	29.5	1	17	10	00	1	0	1	0	3	18	5	2	0
	1130	4	1007.5	1007.1	..	29.1	26.6	25.6	32.6	81	..	7.0	..	27.8	0	20	9	01	1	0	0	1	5	16	5	1	0
	1730	4	1005.2	1004.8	..	29.1	26.8	25.8	33.4	83	..	7.0	..	34.5	0	24	6	01	0	0	0	0	7	17	5	0	0
	2330	4	1007.2	1006.8	..	28.5	26.5	25.6	33.0	84	..	6.4	..	34.0	0	27	3	01	0	0	0	0	5	20	4	0	0
AGATTI	0830	4	1008.0	1007.5	..	28.4	26.6	25.9	33.4	86	..	6.8	..	19.1	0	13	15	02	0	1	0	0	7	13	5	2	0
	1730	4	1006.1	1005.6	..	28.7	26.4	25.5	32.6	83	..	7.0	..	20.8	0	17	13	01	0	0	1	0	5	18	5	0	0
ANDROTH	0830	5	..	..	..	..	..	..	..	..	..	7.3	..	4.1	0	0	21	00	1	0	0	0	1	4	9	9	6
	1730	5	..	..	..	..	..	..	..	..	..	7.3	..	2.8	0	0	27	00	0	0	0	0	3	0	12	3	12
MINICOY	0530	2	1007.2	1007.0	..	26.9	24.6	23.5	28.9	82	..	6.3	..	15.5	0	10	15	01	0	0	0	0	0	19	5	5	0
	0830	2	1008.9	1008.7	-0.6	27.8	25.2	24.0	29.8	80	+ 0	7.0	+0.2	9.7	0	2	23	00	0	0	0	0	0	16	9	5	0
	1130	2	1009.2	1009.0	..	29.1	25.8	24.3	30.4	75	..	6.7	..	12.8	0	6	22	00	0	0	0	0	1	19	8	2	0
	1430	2	1007.7	1007.5	..	29.0	25.7	24.3	30.4	76	..	6.8	..	15.3	0	8	22	00	0	0	0	0	1	19	10	0	0
	1730	2	1007.1	1006.9	-0.4	28.2	25.1	23.1	29.3	77	- 3	7.4	+0.3	12.9	0	4	25	00	0	0	0	0	2	15	12	1	0
	2030	2	1008.5	1008.3	..	27.6	24.9	23.7	29.3	79	..	6.7	..	16.3	0	8	20	00	0	0	0	0	0	20	8	2	0
	2330	2	1009.1	1008.9	..	27.3	24.8	23.7	29.3	81	..	6.3	..	16.7	0	11	19	00	0	0	0	0	4	20	6	0	0
HILL STATIONS (EXCLUDING KASHMIR)																											
DALHOUSIE	0830	1959	1378.7	795.6	+0.1	21.6	15.3	10.9	13.0	54	- 9	1.9	+0.3	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1959	1361.8	794.5	-0.2	24.9	16.4	10.6	12.8	44	-14	2.8	-0.2	..	.	..	..	..	..	..	..	..	..	..	..	..	..
DHARMASALA	0830	1211	1473.3	875.6	-1.0	27.8	19.0	12.9	14.9	45	- 4	3.8	+1.8	1.7	0	0	25	05	12	0	2	2	0	1	3	5	0
	1730	1211	1455.6	873.7	-1.4	30.0	19.3	11.6	13.7	38	- 3	4.3	+1.3	3.2	0	0	27	01	6	2	0	2	12	2	2	3	0
BHUNTAR	0830	1096	1443.1	884.9	..	21.3	17.5	14.9	16.9	69	..	3.4	..	2.7	0	0	21	08	3	3	4	2	0	0	1	9	0
	1130	1096	1431.2	883.0	..	28.2	19.6	14.2	16.2	45	..	3.3	..	6.0	0	0	28	03	2	2	3	14	4	0	0	2	0
	1730	1096	1409.1	880.5	..	30.6	19.9	12.8	14.8	38	..	4.2	..	10.3	0	3	26	03	2	3	5	10	2	2	2	1	0
SIMLA	0830	2202	1431.5	778.2	+0.2	21.0	13.9	7.9	10.6	50	- 3	3.7	+0.6	1.1	0	0	16	00	1	0	6	1	6	0	2	14	0
	1730	2202	1408.5	776.7	-0.1	22.9	15.3	9.8	12.1	48	- 5	3.5	-0.6	1.6	0	0	25	01	2	0	6	2	6	1	7	5	0
[illegible]GARIA (KANJALIA TOK)	0830		..	..	..	11.8	10.9	10.4	12.6	91	+ 5	3.5	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BADRINATH	0830		(R)																								
[illegible]NATH	0830		..	..	- .)	20.9	17.4	15.0	17.0	71	+ 3	4.1	+0.2	5.7	0	0	30	00	5	16	2	1	4	2	0	0	0
	1730		..	..	- .	25.3	17.8	13.3	15.3	53	- 2	5.2	-0.8	5.5	0	0	30	05	3	5	0	0	5	10	2	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE 1967 JYAISTHA 11 - ASADHA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HILL STATIONS (EXCLUDING KASHMIR) (CONTD.)																											
MUSSOORIE	0830	2042	1425.4	792.1	-1.5	20.7	15.3	11.5	13.6	60	- 8	3.9	+0.3	1.2	0	0	14	02	1	0	4	5	1	0	1	16	0
	1730	2042	1406.3	790.6	-1.5	22.2	15.6	10.6	12.8	55	-11	4.4	+0.1	3.3	0	0	27	02	2	0	7	11	4	0	1	3	0
MUKTESWAR (KUMAUN)	0830	2311	3109.9	769.2	+0.7	18.4	13.3	8.9	11.4	60	- 7	3.4	-0.2	9.7	0	2	25	00	0	1	1	0	3	14	8	3	0
	1730	2311	3097.9	767.3	+0.5	21.6	15.1	9.8	12.1	54	- 9	3.0	-0.9	17.0	0	11	18	00	1	1	1	0	3	15	8	1	0
NAINITAL	0830	1953	1432.3	800.8	+0.6	20.7	14.8	10.3	12.5	54	- 9	3.1	-1.0	7.5	0	0	25	01	6	4	3	0	0	6	5	5	0
NAINITAL	1730	1953	1404.9	798.5	-0.1	22.2	16.6	11.8	13.8	55	- 8	2.7	-1.0	8.5	0	0	30	04	0	5	3	3	2	12	1	0	0
KALIMPONG	0830	1209	1434.0	872.6	-1.4	20.7	19.6	19.1	22.1	90	+ 2	6.0	+0.7	5.6	0	0	30	00	0	0	14	0	0	0	16	0	0
	1730	1209	1403.0	869.4	-2.2	21.4	20.2	19.6	22.8	90	+ 1	5.2	+0.2	5.6	0	0	30	00	0	0	29	0	0	0	1	0	0
DARJEELING	0830	2128	1461.0	786.9	-0.6	16.8	16.2	15.8	17.9	94	+ 5	7.8	+0.7	0.4	0	0	4	00	0	0	0	0	4	0	0	26	0
	1730	2128	1440.7	785.0	-0.4	16.9	16.4	16.1	18.3	95	+ 2	7.5	+0.4	1.1	0	0	9	00	0	0	0	0	9	0	0	21	0
KOHIMA	0830	1406	(R)																								
	1730	1406	(R)																								
SHILLONG (C.S.O.)	0830	1598	1453.3	836.1	+2.3	20.3	18.2	17.1	19.5	81	+ 2	6.7	-0.4	4.3	0	0	22	00	1	0	2	4	10	4	1	8	0
	1730	1598	1440.7	835.0	+3.5	20.6	18.5	17.5	20.0	82	+ 2	5.0	-2.0	4.1	0	0	20	00	0	2	1	5	6	5	1	10	0
CHERRAPUNJI	0830	1313	1454.5	864.1	+0.5	19.4	18.9	18.7	21.6	95	+ 1	7.3	+0.5	6.4	0	0	30	00	4	1	0	0	25	0	0	0	0
	1730	1313	1449.9	863.7	+2.4	19.8	19.3	19.1	22.1	95	+ 2	6.1	+0.0	6.9	0	0	30	00	4	0	2	0	24	0	0	0	0
ABU	0830	1195	1487.0	879.1	+4.0	23.0	18.5	15.4	17.5	66	- 7	2.7	-1.5	2.0	0	1	11	00	0	0	0	1	5	6	0	18	0
	1730	1195	1436.8	873.7	+0.3	27.7	20.9	16.6	18.9	55	+ 1	3.1	-0.3	2.8	0	0	17	00	0	0	1	3	7	6	0	13	0
AIJAL	0830		(R)																								
	1730		(R)																								
PACHMARHI	0830	1075	1454.1	887.8	+0.0	24.7	20.2	17.4	20.4	68	+ 0	4.8	-0.9	5.9	0	0	28	06	0	0	0	1	2	10	9	2	0
	1730	1075	1431.9	884.9	-0.2	29.9	20.8	14.8	17.8	47	- 8	5.3	-0.8	3.9	0	0	26	00	2	0	0	0	4	3	17	4	0
MAHABALESHWAR	0830	1382	1466.3	858.6	-0.5	18.8	18.0	17.3	20.0	93	- 2	6.4	-0.9	23.0	0	2	28	00	1	0	3	0	15	0	11	0	0
	1730	1382	1458.0	857.7	+0.4	21.2	19.1	17.8	20.5	84	-10	6.2	-1.2	11.9	0	0	30	00	1	0	2	0	13	0	14	0	0
MERCARA	0830	1152	1483.4	883.6	-0.1	19.7	18.7	18.3	20.8	92	- 3	7.0	+0.6	9.6	0	4	25	00	0	0	0	1	3	9	14	1	2
	1730	1152	1470.5	882.1	-0.2	21.4	19.8	19.0	22.0	87	- 7	6.1	-0.3	9.9	0	5	25	01	0	0	0	0	7	6	12	0	4
OOTACAMUND	0830	2249	1492.4	778.3	+0.5	14.2	12.8	12.1	13.8	85	- 3	4.8	-1.0	4.3	0	1	17	01	1	0	0	0	16	0	0	12	0
	1730	2249	1466.7	776.4	-0.1	15.7	14.0	12.9	14.9	84	- 1	6.3	-0.4	4.6	0	1	19	00	3	0	1	0	16	0	0	10	0
COONOOR	0830		..	..	..	20.1	16.0	13.5	15.5	67	- 1	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KODAIKANAL	0830	2343	3135.1	769.5	-0.2	15.1	13.0	11.5	13.5	80	+ 4	6.9	+1.2	7.0	0	1	22	01	0	1	3	0	0	4	14	7	0
	1130	2343	3143.1	769.8	..	17.0	14.6	13.1	14.9	79	..	7.2	..	7.9	0	4	20	01	1	0	5	1	0	4	12	6	0
	1730	2343	3117.5	768.1	-0.3	14.3	13.4	12.7	14.7	91	+ 4	7.5	+0.4	8.9	0	6	17	00	1	0	1	3	0	6	12	7	0
NEPAL																											
KATMANDU	0830	1324	1442.5	861.9	-0.7	22.6	19.3	17.5	20.1	74	- 2	5.3	-0.1	0.1	0	0	1	00	0	0	0	0	0	1	0	29	0
	1130	1324	1437.4	861.2	..	26.3	20.3	16.7	19.4	60	..	5.3	..	0.6	0	0	5	00	2	0	0	0	0	1	2	25	0
	1730	1324	1411.7	858.7	-1.2	25.9	20.7	17.8	20.6	63	- 7	4.9	-0.6	1.8	0	0	15	02	0	0	3	1	0	2	6	15	1
SIKKIM																											
LACHEN	0830		..	..	..	14.0	11.5	9.6	11.9	75	-12	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HYDROMETEOROLOGICAL OBSERVATORIES DAMODAR CATCHMENT																											
TILAIYA	0830		..	..	..	32.6	23.8	19.2	22.2	46	..	3.6	..	11.2	0	2	26	01	1	10	3	0	1	11	1	2	0
	1730		..	..	..	34.6	23.6	17.6	20.1	37	..	3.7	..	11.0	0	0	30	01	2	13	5	1	0	5	3	0	0
HAZARIBAGH	0830	615	998.7	932.8	..	30.4	26.8	25.5	32.6	75	..	2.9	..	7.5	0	0	28	02	1	6	2	0	6	8	3	2	0
	1730	615	995.2	929.9	..	32.0	27.8	26.2	34.0	72	..	4.3	..	9.2	0	1	27	00	0	6	4	5	3	4	6	2	0
KONAR	0830		..	..	..	29.9	20.8	15.1	17.1	42	..	2.4	..	3.8	0	0	30	00	7	3	0	0	3	8	9	0	0
	1730		..	..	..	31.5	22.4	17.1	19.5	43	..	2.3	..	3.7	0	0	30	00	7	3	0	0	1	8	11	0	0
BOKARO	0830	242	998.9	972.5	..	31.9	25.3	22.3	26.9	57	..	3.0	..	5.6	0	0	29	00	2	9	5	2	6	4	1	1	0
	1730	242	995.7	969.5	..	33.6	25.6	21.8	26.1	51	..	3.9	..	6.7	0	0	28	02	2	9	6	0	3	3	3	2	0
MAITHON	0830		..	..	..	32.2	26.0	23.2	28.4	60	..	4.4	..	3.1	0	0	26	00	0	0	12	3	6	4	1	4	0
	1730		..	..	..	34.3	25.4	21.1	25.0	47	..	4.7	..	5.5	0	0	30	00	5	1	21	1	1	0	1	0	0
RAMGARH	0830		..	..	..	32.6	23.9	19.4	22.5	45	..	3.8	..	9.3	0	0	30	01	1	7	5	4	3	8	1	0	0
	1730		..	..	..	34.5	24.5	19.4	22.5	41	..	4.9	..	12.5	0	5	25	01	3	1	10	3	3	8	0	0	1
PANCHET HILLS	0830		..	..	..	31.1	26.3	24.1	30.0	67	..	4.2	..	3.0	0	0	25	00	2	0	13	0	10	0	0	5	0
	1730		..	..	..	34.6	25.9	21.9	26.3	47	..	4.9	..	3.3	0	0	23	00	4	0	14	0	1	0	4	7	0
DURGAPUR	0830		..	..	..	30.7	26.4	24.6	30.9	71	..	4.2	..	7.6	0	2	25	00	0	4	10	10	3	0	0	3	0
	1730		..	..	..	33.0	25.6	22.2	26.7	54	..	4.5	..	10.6	0	5	24	00	1	1	14	9	1	0	3	1	0
MAHANADI CATCHMENT																											
GINABAHAR	0830		..	..	..	31.0	23.9	20.3	24.4	57	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	1000.3	982.8	..	32.0	25.3	22.2	26.7	59	..	4.9	..	5.5	0	0	26	00	2	1	1	3	8	8	3	4	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE ,1967JYAISTHA 11 - ASADHA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MAHANADI CATCHMENT (CONTD.)																											
HIRAKUD	1130	159	999.3	982.1	..	35.3	25.9	21.4	25.5	49	..	3.6	..	8.0	0	2	28	01	2	0	1	2	5	15	4	0	0
	1730	159	995.9	978.7	..	35.6	26.0	21.6	25.8	48	..	4.6	..	8.0	0	0	25	02	1	3	1	4	6	3	5	5	0
BHIMKUND	0830		..	..	..	29.4	25.4	23.6	29.1	72	..	4.9	..	0.5	0	0	6	00	2	0	1	0	1	0	2	24	0
	1730		..	..	..	32.5	25.9	22.9	27.9	61	..	5.7	..	1.5	0	0	15	01	1	0	7	0	3	1	2	15	0
SONEPUR	0830		..	..	..	31.0	25.0	21.9	26.3	63	..	4.8	..	6.1	0	0	29	00	0	5	0	0	0	0	24	1	0
KHIJRAWAN	0830		..	..	..	29.8	23.9	20.5	24.7	64	..	4.7	..	11.7	0	4	25	01	0	0	6	2	14	4	2	1	0
	1730		..	..	..	32.1	23.7	18.4	22.4	54	..	5.5	..	11.0	0	3	27	00	1	0	4	1	13	7	4	0	0
NARMADA CATCHMENT																											
BAGRA TAWA	0830		..	..	..	30.0	23.3	19.3	23.1	58	..	4.1	..	16.5	0	10	19	00	0	0	0	3	12	12	2	1	0
	1730		..	..	..	35.4	23.5	15.6	19.3	38	..	4.7	..	16.8	0	11	18	00	0	1	2	2	8	7	9	1	0
PUNASA	0830		..	..	..	30.0	25.0	22.7	27.6	65	..	.	..	9.7	0	3	27	01	4	0	1	0	14	1	9	0	0
	1730		..	..	..	34.9	27.4	24.3	30.4	54	..	.	..	5.1	0	0	30	00	0	0	0	0	13	0	17	0	0
THIKRI	0830		..	..	..	30.2	24.8	22.2	26.9	64	..	4.3	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																											
DAROI	0830		..	..	..	28.5	24.0	21.8	26.1	69	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	36.2	25.5	19.9	23.8	41	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GANDAK CATCHMENT	0830		(R)																								
JAMOSOM	0830		..	..	..	19.1	13.4	9.6	12.1	56	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	17.7	12.9	9.9	12.2	61	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	0830		..	..	..	24.9	21.3	19.7	23.0	75	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	26.6	22.5	20.5	24.1	70	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830		..	..	..	21.9	17.6	15.2	17.4	67	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	23.4	18.0	15.0	17.1	61	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
POKHARA	0830		..	..	..	24.4	21.7	20.4	23.9	79	..	4.5	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1130		..	..	..	27.0	22.5	20.4	24.0	69	..	4.1	..	0.8	0	0	6	00	0	0	3	3	0	0	0	24	0
	1730		..	..	..	26.6	22.5	20.6	24.3	71	..	5.2	..	0.7	0	0	6	02	0	0	0	3	1	0	0	24	0
GORKHA	0830		..	..	..	22.6	20.8	19.9	23.2	85	..	5.0	..	..	.	..	..	00	1	0	3	4	2	2	0	18	0
	1130		..	..	..	25.3	21.8	20.1	23.6	75	..	4.0	..	..	.	..	..	00	0	0	5	8	11	3	0	3	0
	1730		..	..	..	25.7	21.8	19.8	23.2	71	..	4.3	..	..	.	..	..	00	1	1	1	4	16	4	1	2	0
NUWAKOT	0830		..	..	..	23.9	21.5	20.3	23.9	82	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	27.6	21.4	18.0	20.8	58	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT (TRANS HIMALAYAN REGION)																											
DAILEKH	0830		..	..	..	24.3	18.6	14.7	17.3	60	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	27.0	19.7	15.0	17.7	53	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT																											
SALLYANA	0830		..	..	..	24.7	17.4	16.3	18.8	63	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	25.1	19.5	16.1	18.7	61	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BUTWAL	0830		..	..	..	30.0	24.9	22.5	27.5	67	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	33.1	25.5	21.9	26.7	54	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BAGHMATI CATCHMENT																											
KATMANDU	0830																										
	1130		See Under Nepal																								
	1730																										
KOSI CATCHMENT																											
CHAUTARA	0830		..	..	..	20.8	18.4	17.1	19.6	82	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	24.0	19.8	17.7	20.6	70	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
WALUNGCHUNG GOLA	0830		..	..	..	11.8	10.7	10.0	12.3	89	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	11.3	10.6	10.1	12.4	93	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHOK	0830		..	..	..	21.9	19.9	18.9	21.9	84	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	21.8	19.4	18.1	20.8	80	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BHOJPUR	0830		..	..	..	20.2	18.6	17.7	20.4	86	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	19.7	18.5	17.8	20.5	89	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLEJUNG	0830		..	..	..	19.3	17.9	17.2	19.7	88	..	7.3	..	1.5	0	0	11	01	2	0	0	3	1	1	2	19	1
	1130		..	..	..	21.8	19.1	17.8	20.5	79	..	6.9	..	5.9	0	0	26	03	1	0	3	7	1	4	7	4	0
	1730		..	..	..	20.7	18.3	17.0	19.4	80	..	6.4	..	4.4	0	0	16	01	2	0	2	6	1	2	0	14	2
DKHALDHUNGA	0830		..	..	..	19.5	17.6	16.9	19.3	86	..	5.7	..	1.1	0	0	10	00	0	0	0	5	2	2	1	20	0
	1130		..	..	..	21.9	19.1	17.7	20.3	78	..	5.5	..	2.2	0	0	19	01	0	0	1	9	3	5	0	11	0
	1730		..	..	..	19.6	17.9	17.1	19.6	86	..	5.8	..	5.7	0	3	18	00	0	1	1	1	3	13	2	9	0
CHAINPUR	0830		..	..	..	22.2	20.3	19.3	22.5	84	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JUNE ,1967JYAISTHA 11 - ASADHA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lt. in gen. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point				Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KOSI CATCHMENT (CONTD.)																											
CHAINPUR	1730		..	..	..	23.1	20.8	19.7	23.0	81	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ANGBUNG	0830		..	..	..	24.4	22.1	21.0	24.9	89	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	24.9	22.0	20.6	24.4	77	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BARAHAKSHETRA	0830	146	1001.5	985.2	..	27.5	24.8	23.6	29.2	80	..	5.2	..	1.7	0	0	22	00	4	1	4	2	4	5	2	8	0
	1130	146	1000.7	984.5	..	29.8	25.9	24.2	30.3	72	..	5.6	..	4.9	0	0	28	00	0	0	1	0	11	15	1	2	0
	1730	146	998.0	981.8	..	29.4	25.9	24.5	30.7	75	..	5.2	..	1.6	0	0	20	01	1	0	2	0	5	10	1	10	0
TISTA CATCHMENT																											
GANGTOK	0830	1756	1444.7	814.7	..	18.2	17.3	16.9	19.3	92	..	7.5	..	2.6	0	0	15	08	3	1	0	2	0	0	1	15	0
	1130	1756	1440.6	814.6	..	20.2	18.8	18.1	20.8	88	..	7.3	..	2.5	0	0	19	03	1	0	1	7	6	1	0	11	0
	1730	1756	1418.0	812.4	..	19.6	18.3	17.7	20.2	89	..	7.3	..	2.5	0	0	16	00	1	0	4	6	4	0	1	14	0
GEZING	0830		..	..	..	19.8	15.8	13.4	15.4	67	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	20.6	19.5	18.9	21.8	90	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

MONTHLY MEANS OF UPPER WINDS.

During the month, observations of velocity and direction of upper winds were made at 55 stations in India. Out of these, at 39 stations all the observations were taken by means of pilot balloons and at 16 stations some observations were made by means of pilot balloons while the other observations by the radiowind method. In the case of Bangalore, the observations were taken by following radiosonde balloon by means of an optical theodolite. Particulars of these stations, their co-ordinates and the approximate times of the regular pilot balloon and rawin ascents at each station are given in the table overleaf. All radiowind ascents have been indicated by means of an asterisk (*) against the scheduled hours.

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

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

In Tables IV and V :-

N = represents the number of observations;

S = represents the mean wind speed in metres per second irrespective of direction;

V = represents the resultant mean velocity in metres per second;

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

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

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

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS IN INDIA

S.No.	Station	Latitude ° ' N	Longitude ° ' E	Height of anemometer head a.m.s.l. in metres	Date of Opening	Approximate times of flight (I.S.T.)			
1.	Agartala	23 53	91 15	17	28th Nov. 1951	0530	1130	1730	2330
2.	Ahmadabad	23 04	72 38	61	19th May. 1928	0530*	1130	1730*	2330
3.	Allahabad/Bamhrauli	25 27	81 44	103	28th Feb. 1930	0530		1730	2330
4.	Ambala	30 23	76 46	279	1st Apr. 1941	0530	1130	1730	2330
5.	Amini	11 07	72 44	14	15th May. 1965	0530		1730	2330
6.	Anantapur	14 41	77 37	365	12th Feb. 1946	0530		1730	2330
7.	Asansol	23 41	86 59	135	29th May. 1942	0530	1130	1730	2330
8.	Aurangabad/Chikalthan	19 51	75 24	583	7th Oct. 1951	0530		1730	2330
9.	Bahraich	27 34	81 36	134	1st Oct. 1961	0530	1130	1730	
10.	Bangalore	12 58	77 35	936	19th May. 1915	0530●	1130	1730●	2330
11.	Bareilly	28 22	79 24	181	12th Jan. 1943	0530		1730	
12.	Begampet	17 27	78 28	543	1st Sep. 1929	0530*	1130	1730*	2330
13.	Bhagalpur	25 14	86 57	61	19th May. 1950	0530		1730	
14.	Bhopal/Bairagarh	23 17	77 21	532	26th Feb. 1943	0530		1730	2330
15.	Bhubaneshwar	20 15	85 50	54	5th Dec. 1942	0530	1130	1730	2330
16.	Bhuj/Rudramata	23 15	69 48	90	14th Sep. 1937	0530		1730	2330
17.	Bikaner	28 00	73 18	229	18th Oct. 1946	0530		1730	2330
18.	Bombay/Santacruz	19 07	72 51	27	14th May. 1933	0530*	1130	1730*	2330
19.	Calcutta/Dum Dum	22 39	88 27	13	14th May. 1921	0530*	1130	1730*	2330
20.	Cochin/Willingdon +	09 56	76 14	13	16th Mar. 1942	0530		1730	2330
21.	Dehra Dun	30 19	78 03	692	1st Oct. 1958	0530		1730	
22.	Dibrugarh/Mohanbari	27 29	95 01	112	1st Jun. 1948	0530	1130	1730	2330
23.	Gadag	15 25	75 38	650	3rd May. 1943	0530		1730	2330
24.	Gangtok	27 20	88 16	1764	1st May. 1963	0530		1730	
25.	Gauhati	26 05	91 43	55	12th Mar. 1955	0530*	1130	1730*	2330
26.	Gaya	24 45	84 57	119	19th Mar. 1937	0530	1130	1730	2330
27.	Goa/Dabolim	15 23	73 49	228	Jul. 1965	0530		1730	[illegible]
28.	Gopalpur	19 16	84 53	24	15th Feb. 1946	0530		1730	2330
29.	Gorakhpur	26 45	83 22	83	5th Jan. 1943	0530		1730	
30.	Gwalior	26 14	78 15	208	7th May. 1938	0530	1130	1730	2330
31.	Imphal/Tulihal	24 46	93 54	782	8th Mar. 1952	0530	1130	1730	2330
32.	Jabalpur	23 10	79 57	402	30th Jul. 1928	0530		1730	2330
33.	Jagdalpur	19 05	82 02	562	25th Mar. 1948	0530		1730	2330
34.	Jaipur/Sanganer	26 49	75 48	403	6thJun. 1953	0530		1730	2330
35.	Jamshedpur	22 49	86 11	144	23rd Jul. 1942	0530		1730	
36.	Jharsuguda	21 55	84 05	240	1st May. 1944	0530		1730	2330
37.	Jodhpur	26 18	73 01	229	15th Oct. 1934	0530*	1130	1730*	2330
38.	Lucknow/Amausi	26 45	80 53	133	20th Nov. 1950	0530*	1130	1730*	2330
39.	Madras/Minambakkam	13 00	80 11	29	8th Apr. 1926	0530*	1130	1730*	2330
40.	Mangalore/Bajpe	12 55	74 53	104	25th May. 1959	0530		1730	2330
41.	Minicoy	08 18	73 00	15	14th Apr. 1941	0530	1130	1730*	2330
42.	Nagpur/Sonegaon	21 06	79 03	316	23rd Apr. 1943	0530*	1130	1730*	2330
43.	New Delhi/Safdarjung	28 35	77 12	227	29th Oct. 1936	0530*	1130	1730*	2330
44.	Poona	18 32	73 51	593	5th Jan. 1925	0530		1730	2330
45.	Port Blair	11 40	92 43	95	29th Oct. 1945	0530*	1130	1730*	2330
46.	Raipur	21 14	81 39	308	15th Jul. 1944	0530		1730	2330
47.	Raxaul	26 59	84 51	83	28th Oct. 1957	0530		1730	
48.	Srinagar	34 05	74 48	1595	1st Aug. 1962	0530*		1730*	
49.	Tiruchchirappalli	10 46	78 43	96	22nd Jun. 1936	0530		1730	2330
50.	Trivandrum	08 29	76 57	73	8th Dec. 1928	0530*	1130	1730*	2330
51.	Udaipur	24 35	73 42	587	24th Jun. 1947	0530		1730	2330
52.	Vengurla	15 52	73 38	8	22nd Nov. 1941	0530		1730	2330
53.	Veraval	20 54	70 22	17	13th Oct. 1941	0530		1730	2330
54.	Vijayawada/Gannavaram	16 32	80 48	32	8th Apr. 1942	0530		1730	2330
55.	Vishakhapatnam	17 43	83 14	10	24th Sep. 1928	0530*	1130	1730*	2330

* Radio wind ascents.

● Radiosonde ascents followed by optical theodolite.

\+ Naval Meteorological Office.

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JUNE 1967.(JYAISTHA 11 - ASADHA 9,1889 SAKA)

STATION	AGARTALA																AHMADABAD							
TIME IN I.S.T.	0530				1130				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.9	01.6	142	15	02.8	02.3	164	30	02.3	01.9	172	30	02.3	02.1	151	30	02.7	02.0	224	30	02.9	02.4	236
.15 A.G.L.	29	07.0	06.3	160	14	06.0	05.4	163	28	06.4	05.9	172	30	07.5	07.2	172	30	06.6	05.1	226	29	04.8	03.9	227
.3A.M.S.L.	29	09.0	08.3	169	14	05.9	05.7	168	28	07.4	07.0	174	30	08.8	08.5	181	30	06.8	05.3	229	29	04.6	03.8	229
.6 ,,	29	10.6	09.9	177	14	07.4	07.1	174	28	08.1	07.9	182	30	09.8	09.5	188	29	07.2	05.8	242	29	05.2	04.3	230
.9 ,,	28	10.2	09.5	187	13	07.5	07.3	184	28	08.3	07.8	188	29	09.0	08.6	195	29	07.5	05.8	246	26	05.3	04.3	242
1.5 ,,	28	08.0	06.9	206	11	06.1	05.8	212	28	07.1	05.5	196	25	07.2	06.0	204	29	08.0	04.9	238	22	06.8	04.3	257
2.1 ,,	25	06.8	04.9	225	04	06.0	05.9	248	27	06.3	03.6	212	19	06.3	04.3	200	29	07.6	02.2	236	18	08.6	04.4	257
3.0 ,,	20	07.2	04.9	246	03	05.0	04.6	309	23	06.0	02.5	237	17	06.3	02.9	236	29	08.3	00.6	236	17	09.6	03.6	243
3.6 ,,	18	07.3	04.7	253					17	07.7	02.3	250	01	04.0	04.0	240	29	08.1	00.8	356	14	09.2	02.4	236
4.5 ,,	12	05.6	02.5	235					13	06.8	04.3	258					29	07.6	00.6	048	11	07.9	03.1	260
5.4 ,,	09	05.2	02.6	217					11	05.6	03.1	263					29	07.0	00.7	039	10	08.7	02.9	288
6.0 ,,	06	04.2	02.9	217					09	05.4	01.8	068					29	07.6	01.2	008	10	08.1	02.6	337
7.2 ,,	03	06.0	03.5	145					07	06.4	03.9	211					28	07.6	01.7	014	09	07.4	02.7	345
9.0 ,,	03	04.3	02.7	115					05	04.0	01.9	183					27	07.7	01.6	009	06	07.5	04.0	330

STATION	AHMADABAD								ALLAHABAD/BAMHRAULI												AMBALA			
TIME IN I.S.T.	1730*				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	03.9	02.9	236	30	04.0	02.9	221	30	01.1	00.5	235	30	02.2	00.6	317	30	01.2	00.5	206	30	01.0	00.5	140
.15 A.G.L.	30	07.2	05.3	229	30	08.0	06.4	225	30	07.2	03.6	258	29	06.4	01.6	328	30	07.1	02.2	218	30	07.7	00.5	262
.3A.M.S.L.	30	07.4	05.2	226	30	08.7	07.0	226	30	07.5	04.0	264	29	06.3	01.8	336	30	07.6	02.4	223	30	04.3	00.4	261
.6 ,,	30	07.7	05.5	229	30	09.3	07.8	235	30	08.7	05.6	276	29	06.6	02.0	335	30	07.8	02.1	236	30	08.9	06.5	255
3.6 ,,	30	07.9	01.0	172	08	06.5	04.4	160	13	06.6	02.1	328	17	06.8	04.6	296	07	05.7	04.7	319	10	05.9	04.7	336
.9 ,,	30	08.0	05.9	231	30	08.1	06.8	237	30	08.9	06.3	281	29	06.4	02.6	326	30	06.8	01.3	274	30	09.0	02.2	272
1.5 ,,	30	07.7	04.0	236	28	05.5	02.6	236	29	07.4	05.2	292	27	06.4	03.1	314	29	06.1	01.5	265	29	09.0	02.9	284
2.1 ,,	30	08.4	03.3	229	27	05.1	01.4	224	22	06.1	03.6	289	24	06.0	03.2	311	23	05.8	01.6	267	25	08.9	03.4	293
3.0 ,,	30	07.7	01.9	206	24	06.8	00.8	189	17	06.0	03.0	324	20	03.3	03.3	297	18	05.0	02.3	336	17	07.4	05.9	309
4.5 ,,	30	08.3	00.9	145	01	04.0	04.0	053	10	05.7	00.5	095	10	06.7	02.4	262	02	05.5	05.5	278	07	05.3	03.8	324
5.4 ,,	30	07.0	01.0	071					08	05.3	00.9	350	07	06.4	04.3	308					04	06.5	05.9	234
6.0 ,,	30	07.6	02.6	089					08	06.3	01.6	022	05	05.4	02.4	310					04	07.7	07.6	241
7.2 ,,	29	06.8	01.1	055					05	05.2	02.4	140	03	06.3	00.9	070					01	25.0	25.0	220
9.0 ,,	28	07.3	02.8	060					05	05.6	01.7	130	01	03.0	03.0	005								

STATION	AMBALA												AMINI											
TIME IN I.S.T.	1130				1730				2330				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.8	00.1	090	30	02.4	00.9	302	30	01.8	00.0	315	30	07.2	06.4	266	30	08.4	07.7	270	30	09.1	08.6	267
.15 A.G.L.	30	06.9	00.5	300	30	07.8	02.3	303	30	08.6	02.4	316	28	07.6	06.8	264	29	08.7	08.1	265	28	09.5	08.8	263
.3A.M.S.L.	30	03.7	00.5	292	30	04.7	01.1	302	30	03.5	07.0	325	28	08.3	07.5	264	29	09.6	09.1	265	28	09.9	09.3	263
.6 ,,	30	07.3	00.4	282	30	07.8	02.2	280	30	09.0	02.3	300	28	11.0	10.1	269	28	11.0	10.4	269	27	11.1	10.6	266
.9 ,,	30	07.5	01.1	295	30	07.7	03.0	297	29	08.7	02.7	296	24	10.7	09.9	276	27	11.7	11.1	273	26	11.9	11.5	272
1.5 ,,	27	06.6	03.5	306	27	05.8	04.4	297	27	08.7	03.9	325	15	09.4	08.8	280	19	10.9	09.9	275	21	10.6	09.9	274
2.1 ,,	25	06.8	05.0	307	22	06.6	06.1	297					08	08.1	07.1	291	15	08.1	04.9	281	16	07.9	06.4	277
3.0 ,,	19	08.3	06.9	310	16	08.4	07.1	308					03	05.0	01.8	142	09	05.7	02.7	264	13	07.4	05.4	274
3.6 ,,	15	08.3	07.5	309	14	08.7	07.8	312					03	05.0	04.4	126	07	07.9	04.6	285	09	07.3	03.7	256
4.5 ,,	08	07.1	06.7	321	09	10.4	08.5	322					03	08.3	07.4	135	03	07.0	02.7	189	05	05.0	01.1	267
5.4 ,,	03	12.0	11.8	327	04	07.3	06.9	339					03	04.3	02.9	197	03	04.3	04.3	252	03	05.0	04.6	263
6.0 ,,	03	11.7	11.2	331	04	08.0	06.0	340					03	04.0	02.1	168	03	04.7	04.6	261	01	09.0	09.0	245
7.2 ,,	01	09.0	09.0	320													03	02.7	01.8	290				
9.0 ,,																	02	04.5	04.5	064				

STATION	ANANTAPUR												ASANSOL											
TIME IN I.S.T.	0530				1730				2330				0530				1130				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	03.6	03.4	270	30	04.6	04.1	278	30	06.0	05.6	271	30	01.2	01.0	158	15	01.9	00.5	183	30	01.8	00.7	114
.15 A.G.L.	29	08.0	07.6	263	30	07.7	06.6	276	29	10.5	09.8	264	28	05.2	02.5	174	15	04.7	01.5	195	30	06.4	02.8	123
.3A.M.S.L.													28	05.5	03.4	186	15	04.6	01.6	204	30	06.6	02.9	121
.6 ,,	29	09.2	08.9	264	30	07.9	06.9	276	29	10.5	09.8	265	27	07.3	04.4	218	15	04.5	01.3	236	30	06.7	03.0	124
.9 ,,	29	11.4	11.0	273	30	08.3	07.3	277	29	11.4	10.9	267	27	07.3	04.2	228	15	05.2	02.8	253	30	06.4	02.3	121
1.5 ,,	28	13.3	12.2	281	28	09.8	08.9	275	25	10.8	10.4	272	26	07.3	03.8	260	11	06.9	06.1	274	30	05.7	00.8	175
2.1 ,,	24	09.0	07.6	298	22	07.0	05.8	281	21	08.7	06.5	289	19	06.1	04.2	283	08	08.6	07.7	291	27	06.5	01.3	256
3.0 ,,	18	06.2	02.1	318	16	04.6	01.9	298	14	06.8	03.0	327	19	07.0	05.9	296	06	08.8	08.1	297	21	08.1	03.8	296
3.6 ,,	14	06.2	01.8	057	14	06.2	01.4	230	03	06.0	01.7	186	17	07.4	05.6	299					16	08.9	05.0	302
4.5 ,,	12	07.3	02.8	082	11	04.8	02.2	180	01	07.0	07.0	085	10	05.8	03.6	303					12	08.4	04.7	290
5.4 ,,	12	06.7	01.9	126	11	04.9	01.6	222					08	05.4	01.9	271					10	10.5	08.4	284
6.0 ,,	12	06.0	02.3	123	09	04.3	01.1	252					08	04.3	01.5	199					10	09.7	07.5	298
7.2 ,,	09	04.4	01.2	149	05	04.2	03.1	030					04	03.7	01.8	177					05	05.4	02.6	293
9.0 ,,	06	05.7	03.1	093									02	05.0	01.7	094					03	07.7	06.1	079

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JUNE 1967. (JYAISTHA 11 - ASADHA 9, 1889 SAKA)

STATION	ASANSOL	AURANGABAD/CHIKALTHAN			BAHRAICH	
TIME IN I.S.T.	2330	0530	1730	2330	0530	1130
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	30 01.8 01.3 156	30 05.2 04.9 269	30 06.3 04.5 272	30 06.1 05.5 275	30 03.4 03.0 094	30 03.1 01.8 098
.15 A.G.L.	29 06.9 04.3 159	29 07.5 06.7 273	30 08.2 05.9 269	29 08.5 07.7 276	26 09.5 05.4 104	28 05.7 02.1 134
.3A.M.S.L.	29 07.1 04.5 163				26 09.6 05.5 115	28 05.7 02.6 128
.6 ,,	28 08.7 06.4 176				26 09.7 03.3 132	27 05.2 02.9 134
.9 ,,	28 08.4 05.9 179	29 09.9 09.0 286	30 09.3 07.4 271	29 09.8 08.6 282	26 09.0 01.6 249	25 04.9 01.8 147
1.5 ,,	27 05.8 02.0 201	29 10.5 09.3 291	30 08.9 07.5 276	29 09.7 08.1 280	18 08.8 05.8 278	19 04.8 01.9 261
2.1 ,,	24 06.1 02.2 263	28 07.6 05.7 285	28 08.0 06.1 278	29 08.2 06.2 277	16 10.4 09.1 294	13 07.1 05.9 287
3.0 ,,	21 06.5 03.2 296	25 05.6 02.4 284	17 07.2 05.3 273	27 05.5 03.2 242	05 08.0 07.8 294	06 07.0 06.0 296
3.6 ,,	10 07.2 02.0 314	21 04.9 01.1 230	11 06.1 02.7 253	21 04.5 01.4 199	04 05.5 05.2 304	05 09.8 07.9 297
4.5 ,,	02 05.0 04.0 317	10 03.9 01.8 107	08 03.3 01.8 203	13 04.6 00.7 313	04 04.5 02.7 301	05 11.8 09.4 296
5.4 ,,		06 06.0 01.7 123	08 04.5 02.2 174	07 04.7 02.3 100	04 03.7 02.4 271	03 08.7 08.4 266
6.0 ,,		04 07.0 00.6 123	05 04.8 02.9 219	02 06.0 02.0 206	04 04.0 03.1 263	03 09.3 08.7 269
7.2 ,,		01 07.0 07.0 166	03 06.0 03.0 220	02 04.0 01.3 095	04 06.7 01.2 236	01 05.0 05.0 244
9.0 ,,			01 09.0 09.0 168		03 06.3 02.9 169	

STATION	BAHRAICH	BANGALORE				BAREILLY
TIME IN I.S.T.	1730	0530	1130	1730	2330	0530
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	30 02.5 00.1 360	30 04.8 04.6 265	30 04.7 04.4 271	30 04.6 04.1 268	30 04.8 04.4 250	30 02.3 01.0 068
.15 A.G.L.	28 05.5 00.2 091	25 08.9 08.4 258	30 07.2 06.9 270	29 07.6 06.9 270	27 10.4 10.1 246	29 06.6 01.0 044
.3A.M.S.L.	28 05.5 00.3 244					29 09.2 01.0 058
.6 ,,	28 06.0 01.0 209					29 11.8 02.9 301
.9 ,,	27 04.9 01.2 214					29 11.9 04.6 300
1.5 ,,	20 04.9 03.0 261	24 10.9 09.9 273	28 09.1 08.5 274	29 08.0 07.1 269	26 15.9 15.0 259	23 10.0 07.4 298
2.1 ,,	20 06.9 05.2 275	23 09.9 07.4 282	14 07.3 05.8 297	26 07.5 05.9 285	22 13.7 11.4 275	17 08.4 06.8 291
3.0 ,,	14 07.1 05.0 280	18 07.6 03.1 303	10 04.3 01.2 067	24 08.0 03.2 298	18 08.7 04.5 320	10 07.7 06.0 299
3.6 ,,	07 05.4 04.3 295	17 07.6 02.2 288	07 05.0 01.5 123	23 08.3 02.3 295	16 07.3 01.8 339	09 06.9 05.1 309
4.5 ,,	06 05.2 04.6 304	15 07.5 01.0 240	07 06.9 01.4 122	19 06.6 01.8 204	09 08.6 02.4 233	08 05.8 04.2 292
5.4 ,,	05 10.4 10.0 300	12 06.9 01.6 266	06 05.7 01.5 146	16 06.1 03.0 216	04 06.3 02.5 221	07 07.9 07.3 265
6.0 ,,	05 12.0 11.4 282	12 05.7 02.0 284	06 03.8 00.7 023	16 05.1 01.9 230	02 05.5 03.5 178	07 08.9 08.6 263
7.2 ,,	05 09.6 08.9 287	10 03.9 00.5 273	06 04.2 03.5 032	15 04.6 00.9 031	01 04.0 04.0 015	03 09.7 06.8 264
9.0 ,,	04 07.8 06.9 260	05 05.6 04.3 070	04 03.7 03.3 058	09 07.4 05.9 076		02 11.0 09.9 250

STATION	BAREILLY	BEGAMPET				BHAGALPUR
TIME IN I.S.T.	1730	0530*	1130	1730*	2330	0530
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	30 02.1 00.5 304	30 05.9 05.2 277	30 04.9 03.6 277	30 04.8 03.5 278	30 03.2 02.5 268	30 01.8 01.1 104
.15 A.G.L.	30 06.7 02.8 309	21 09.5 08.4 275	30 07.3 05.4 284	18 07.7 06.1 266	28 06.9 04.7 257	30 06.7 05.2 107
.3A.M.S.L.	30 06.3 02.8 306					30 06.7 04.5 117
.6 ,,	30 07.2 03.4 301	21 09.3 08.3 275	30 06.8 05.0 282	18 07.8 06.3 266	28 05.3 03.7 258	30 08.0 04.0 150
.9 ,,	28 07.6 04.1 289	21 11.0 10.1 280	30 07.5 05.5 293	18 08.0 06.4 271	28 08.4 06.4 265	30 09.0 03.5 193
1.5 ,,	25 07.2 05.1 283	30 12.3 10.6 296	27 08.5 06.7 296	30 07.5 05.9 285	28 07.8 06.7 275	29 08.5 03.3 241
2.1 ,,	20 05.7 03.0 271	30 10.0 08.4 305	22 07.8 05.2 300	30 07.7 06.2 279	27 06.8 05.9 288	26 11.0 06.7 277
3.0 ,,	14 05.7 04.3 310	30 07.0 04.6 290	21 07.0 03.8 293	30 07.9 06.3 286	19 05.0 03.8 298	05 10.0 07.7 287
3.6 ,,	13 06.0 04.8 315	30 06.5 03.6 068	16 06.0 02.4 291	30 07.4 06.2 287	07 03.6 02.1 301	03 08.0 07.8 260
4.5 ,,	11 06.2 03.7 299	30 05.7 02.0 290	15 06.5 03.4 247	30 06.4 05.6 280		01 06.0 06.0 220
5.4 ,,	09 08.2 06.8 286	30 05.3 01.7 290	13 05.7 02.7 247	29 06.5 05.0 280		
6.0 ,,	09 10.7 09.2 284	30 05.3 02.1 309	12 04.7 02.6 249	29 05.8 04.3 295		
7.2 ,,	05 10.6 09.9 253	30 04.6 00.9 308	05 05.4 04.7 251	29 04.8 02.4 331		
9.0 ,,	03 07.0 05.8 261	30 06.2 03.1 065		29 06.3 03.0 048		

STATION	BHAGALPUR	BHOPAL/BAIRAGARH			BHUBANESWAR	
TIME IN I.S.T.	1730	0530	1730	2330	0530	1130
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	30 02.5 02.1 091	30 04.5 03.6 271	30 04.8 03.5 267	30 04.4 02.8 263	30 03.7 01.5 214	15 05.7 04.8 235
.15 A.G.L.	29 07.0 06.2 089	29 09.0 07.6 272	27 08.8 05.5 274	26 09.3 06.6 263	24 05.7 03.0 234	15 07.8 06.6 229
.3A.M.S.L.	29 07.6 06.4 087				24 06.4 03.2 241	15 06.4 05.4 226
.6 ,,	29 07.0 06.0 101	29 07.4 06.3 270	27 06.7 04.8 273	26 08.1 05.7 260	23 07.3 04.1 263	14 05.9 04.9 231
.9 ,,	29 06.0 04.7 122	29 11.9 10.4 282	27 06.8 05.6 273	26 09.5 07.5 269	23 07.5 04.5 273	12 07.3 05.8 245
1.5 ,,	29 06.7 02.9 201	28 10.3 08.5 294	27 06.1 05.2 279	26 09.3 07.6 269	23 06.8 03.8 289	10 07.1 05.5 286
2.1 ,,	26 08.2 03.0 263	27 07.5 05.2 303	23 07.0 05.1 282	23 06.4 04.4 274	20 05.6 02.9 276	03 06.0 04.9 322
3.0 ,,	16 12.0 10.7 277	26 06.3 01.4 294	22 07.1 04.4 277	20 05.3 01.2 314	17 06.0 01.4 250	
3.6 ,,	12 12.0 10.4 285	22 06.2 01.2 249	19 06.8 04.6 278	09 04.9 00.6 047	13 06.8 00.9 155	
4.5 ,,	05 08.0 07.8 293	20 06.6 01.6 237	15 05.9 03.5 267		09 08.3 01.2 080	
5.4 ,,	01 07.0 07.0 290	14 06.9 03.1 266	10 07.4 04.3 285		08 07.1 03.5 123	
6.0 ,,	01 11.0 11.0 325	13 07.8 04.4 281	10 08.3 05.7 297		02 06.5 06.3 108	
7.2 ,,	01 06.0 06.0 255	11 08.9 02.1 332	07 06.1 03.0 316		01 08.0 08.0 115	
9.0 ,,		10 09.9 02.4 335	02 08.5 06.7 313			

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JUNE 1967.(JYAISTHA 11 - ASADHA 9,1889 SAKA)

STATION	BHUBANESWAR								BHUJ/RUDRAMATA												BIKANER			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	05.6	04.2	205	30	04.0	02.7	204	30	03.6	03.0	222	30	05.5	04.7	237	30	05.2	04.7	328	30	02.8	02.7	222
.15 A.G.L.	27	08.3	06.7	198	28	07.5	05.6	210	30	06.4	05.4	233	29	07.6	06.0	235	29	09.0	08.4	233	30	11.7	11.0	227
.3A.M.S.L.	27	07.9	05.8	199	28	07.3	05.1	213	30	07.3	06.3	237	29	08.0	06.4	236	29	09.6	08.8	233	30	09.1	08.7	227
.6 ,,	27	07.5	04.5	216	28	07.8	04.9	221	30	10.2	08.7	245	29	07.9	06.2	240	29	09.7	08.4	235	30	13.5	12.6	241
.9 ,,	22	07.6	05.0	246	27	07.7	04.4	232	29	10.6	08.6	248	29	08.1	06.1	240	29	09.2	07.0	237	30	13.0	11.9	247
1.5 ,,	20	05.6	04.1	283	22	06.4	03.3	256	24	10.1	05.4	233	28	07.1	04.2	244	28	08.2	03.0	212	30	08.9	07.5	254
2.1 ,,	18	04.7	03.3	300	16	07.2	03.4	260	23	09.7	03.6	225	21	07.1	04.2	233	23	07.8	02.8	142	28	06.9	03.9	260
3.0 ,,	14	05.7	04.1	320	05	07.8	03.2	299	14	08.6	03.0	168	16	07.8	03.0	190	18	06.9	03.9	122	21	06.7	02.2	301
3.6 ,,	10	06.7	04.0	294	02	04.5	02.7	122	11	08.5	03.3	132	13	07.4	04.1	182	01	08.0	08.0	085	14	06.7	04.0	039
4.5 ,,	06	07.3	05.3	309					05	07.0	00.6	094	10	07.3	03.0	178					11	08.2	06.3	027
5.4 ,,	02	09.5	09.0	304					04	05.3	01.9	172	08	06.3	01.5	235					10	07.3	05.8	010
6.0 ,,									04	05.5	01.1	190	08	05.7	01.1	248					08	08.5	04.4	008
7.2 ,,													04	04.7	03.9	218					03	09.3	07.4	062
9.0 ,,																								

STATION	BIKANER								BOMBAY/SANTACRUZ															
TIME IN I.S.T.	1730				2330				0530*				1130				1730*				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	03.0	02.2	214	30	02.6	01.6	220	30	02.7	01.9	228	30	03.6	02.4	229	30	05.1	04.0	254	30	03.4	02.3	223
.15 A.G.L.	29	08.7	06.1	217	30	11.5	09.4	219	29	06.2	04.1	206	27	05.5	03.7	233	30	07.6	06.3	248	26	05.6	04.3	223
.3A.M.S.L.	29	07.8	05.7	230	30	08.9	07.3	211	29	06.6	05.0	218	27	05.8	04.3	230	30	07.8	06.6	248	26	06.0	05.3	234
.6 ,,	29	09.1	04.4	224	30	13.5	10.0	224	29	07.4	06.2	234	25	06.8	05.0	236	30	08.2	07.1	250	25	06.8	06.3	244
.9 ,,	29	08.5	06.1	230	29	12.2	09.8	228	29	08.1	07.0	245	23	07.6	05.6	247	30	08.7	07.7	251	25	07.5	06.8	248
1.5 ,,	25	08.0	06.6	251	26	08.4	06.7	239	29	08.4	06.7	252	19	08.2	06.2	265	28	08.8	06.6	255	20	07.9	06.1	257
2.1 ,,	21	06.2	04.7	267	21	05.3	02.7	275	29	08.3	06.1	257	14	08.0	02.9	270	28	09.7	06.6	251	14	07.5	05.5	266
3.0 ,,	19	07.0	02.7	267	19	05.8	01.6	354	29	08.6	05.6	241	08	08.9	04.3	174	29	09.0	05.9	233	09	07.3	03.0	220
3.6 ,,	16	06.2	02.4	288	12	06.9	03.1	015	29	07.1	03.3	221	07	08.4	05.4	164	29	08.5	05.1	216				
4.5 ,,	11	09.2	03.4	310	05	06.8	06.1	023	29	06.9	02.0	214	03	06.3	06.3	187	29	07.4	03.1	194				
5.4 ,,	02	10.8	08.7	340					29	05.6	01.1	182	02	04.0	03.3	173	30	06.7	01.7	207				
6.0 ,,	06	08.7	07.3	336					29	06.6	01.0	152	02	05.0	03.6	207	29	05.5	02.2	164				
7.2 ,,	01	07.0	07.0	290					29	05.6	01.5	108	01	06.0	06.0	202	29	05.3	01.0	109				
9.0 ,,									29	05.1	02.3	102	01	09.0	09.0	200	29	05.8	02.5	094				

STATION	CALCUTTA/DUM DUM																COCHIN/WILLINGDON							
TIME IN I.S.T.	0530*				1130				1730*				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.8	01.5	165	30	02.8	02.0	169	30	03.5	03.1	153	30	02.3	02.0	145	30	00.7	00.2	262	30	02.5	02.0	281
.15 A.G.L.	30	07.2	05.7	168	30	05.7	04.1	162	30	08.4	07.8	165	29	07.3	06.1	161	23	03.0	00.4	131	29	04.4	03.2	284
.3A.M.S.L.	30	08.0	06.3	179	30	05.5	04.5	164	30	08.7	08.1	167	29	08.2	07.0	173	23	03.7	02.0	278	29	05.9	05.0	281
.6 ,,	30	08.7	07.0	193	30	05.3	04.4	174	30	08.9	08.3	170	29	09.1	07.8	180	23	06.0	05.5	275	29	08.4	07.8	284
.9 ,,	30	08.3	06.4	200	27	05.5	03.8	185	30	06.9	05.6	176	29	08.4	07.1	185	23	08.0	07.7	276	29	09.8	09.4	284
1.5 ,,	30	07.6	04.7	216	20	05.9	02.5	222	30	05.8	02.1	197	26	07.2	04.4	199	18	08.4	08.0	282	28	12.1	11.7	289
2.1 ,,	30	06.9	02.9	239	14	06.3	02.5	268	30	06.1	01.5	256	24	06.5	02.4	220	14	07.4	06.6	285	25	09.8	09.1	288
3.0 ,,	30	07.9	02.8	284	11	07.5	05.6	232	30	07.0	02.2	282	15	06.7	02.2	237	02	07.0	04.9	219	14	06.5	04.2	281
3.6 ,,	30	08.2	03.6	293	07	09.3	08.0	302	30	07.4	02.3	295	03	05.3	03.8	243					07	07.1	03.6	274
4.5 ,,	30	08.1	03.4	292	04	13.7	13.5	297	30	07.9	02.9	299									03	03.3	01.8	169
5.4 ,,	30	06.5	02.5	282	02	17.5	17.2	312	30	06.9	02.6	289												
6.0 ,,	30	06.6	02.9	247	01	10.0	10.0	300	30	06.6	02.1	282												
7.2 ,,	30	06.5	01.6	212					30	06.6	02.6	262												
9.0 ,,	29	07.6	00.9	101					29	07.2	00.7	254												

STATION	COCHIN/WILLINGDON				DEHRADUN								DIBRUGARH/MOHANBARI											
TIME IN I.S.T.	2330				0530				1730				0530				1130				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.0	00.1	319	30	00.2	00.2	050	30	01.0	00.6	255	30	01.2	01.0	058	30	01.4	00.8	030	30	00.9	00.6	044
.15 A.G.L.	22	03.2	01.0	296	29	02.0	00.8	072	29	04.0	02.2	270	23	04.1	03.3	060	27	02.7	00.9	056	29	03.5	01.9	058
.3A.M.S.L.	22	04.0	02.5	289									23	04.2	03.3	062	27	02.4	00.9	062	29	03.5	01.9	059
.6 ,,	22	06.0	05.6	290									23	03.6	02.5	083	26	02.8	00.5	163	29	03.5	01.5	095
.9 ,,	22	08.5	08.2	289	29	02.2	01.0	087	29	04.3	02.5	269	23	03.2	01.2	134	23	02.8	02.3	210	29	02.5	01.1	188
1.5 ,,	21	09.9	09.6	288	29	03.4	01.5	243	29	04.8	04.0	270	17	04.5	03.5	218	22	05.5	04.9	218	27	04.7	04.2	229
2.1 ,,	13	08.8	08.2	284	29	04.1	01.5	287	27	04.6	03.9	282	14	06.1	05.3	224	14	06.6	05.5	210	22	06.1	06.0	224
3.0 ,,	03	10.7	10.4	279	22	05.8	05.3	299	19	04.9	04.2	310	08	06.9	06.0	230	07	07.6	05.5	222	18	06.7	06.2	228
3.6 ,,	01	11.0	11.0	270	17	06.9	06.0	306	18	04.4	03.6	328	03	07.0	06.9	221	03	05.3	04.7	250	10	05.6	05.4	238
4.5 ,,					15	05.5	03.5	301	17	04.3	02.9	333					01	08.0	07.9	231	09	05.8	05.3	242
5.4 ,,					13	04.5	04.2	293	17	05.3	03.4	306					01	09.0	09.0	230	06	07.3	07.2	241
6.0 ,,					13	06.2	04.5	293	17	06.4	04.3	296					01	09.0	09.0	230	06	07.3	06.7	244
7.2 ,,					10	10.5	08.5	287	17	09.0	07.0	290					01	12.0	12.0	256	03	06.0	05.9	242
9.0 ,,					08	20.0	17.7	284	11	12.1	08.8	292									01	03.0	03.0	262

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JUNE 1967.(JYAISTHA 11 - ASADHA 9,1889 SAKA)

STATION	DIBRUGARH/MOHANBARI				GADAG												GANGTOK							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.0	00.9	037	30	04.2	03.7	244	30	05.6	04.7	253	30	05.2	04.3	243	30	00.4	00.4	006	30	01.4	00.4	161
.15 A.G.L.	27	03.5	03.0	058	30	09.3	09.0	251	29	10.7	09.4	252	30	11.6	11.2	249	08	01.7	01.4	348	12	03.1	01.7	151
.3A.M.S.L.	27	03.5	03.0	061																				
.6 ,,	27	02.9	02.5	086																				
.9 ,,	27	03.1	01.7	136	30	11.5	11.1	264	29	10.4	09.4	257	30	13.1	12.4	256								
1.5 ,,	25	04.5	03.3	208	24	13.3	11.3	287	27	10.1	09.2	269	29	12.6	10.4	266								
2.1 ,,	19	05.8	05.4	225	20	10.2	06.9	295	23	08.3	06.6	281	26	09.7	06.0	277	08	02.6	01.4	344	12	01.8	01.1	196
3.0 ,,	10	05.4	04.7	243	17	07.2	01.6	308	19	07.4	03.2	304	19	07.7	01.1	042	08	02.6	01.5	142	08	01.7	00.9	185
3.6 ,,					15	07.3	02.2	108	12	06.7	00.7	195	17	06.2	01.8	127	06	02.2	01.9	213	03	03.3	03.2	278
4.5 ,,					12	08.0	05.1	120	10	06.5	02.1	128	06	06.7	02.9	142	02	06.5	03.5	251	01	03.0	03.0	274
5.4 ,,					09	06.9	01.5	218	06	03.5	01.5	259	03	04.2	00.4	303	02	04.0	03.9	222				
6.0 ,,					09	06.3	01.5	223	05	03.8	00.9	357	02	02.5	02.1	139	01	07.0	07.0	215				
7.2 ,,					09	04.3	01.0	272	04	03.7	02.8	027												
9.0 ,,					08	06.3	02.4	257	01	10.0	10.0	260												

STATION	GAUHATI																GAYA							
TIME IN I.S.T.	0530*				1130				1730*				2330				0530				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	00.8	00.4	024	30	01.7	00.9	347	30	01.0	00.3	025	30	01.4	00.4	097	30	02.7	01.2	151	15	03.9	03.2	316
.15 A.G.L.	30	02.7	00.6	035	29	03.5	01.9	012	30	03.1	00.9	016	30	03.0	00.9	067	30	06.2	02.3	191	15	06.7	05.3	305
.3A.M.S.L.	30	03.0	00.6	042	29	03.0	01.2	022	30	03.1	00.7	012	30	03.1	01.1	042	30	06.6	02.5	208	15	06.9	05.5	308
.6 ,,	30	04.0	00.5	312	28	03.7	00.4	326	30	03.3	00.4	325	30	03.4	00.8	022	30	08.1	03.9	244	15	06.7	04.5	304
.9 ,,	30	04.6	01.5	235	27	04.1	01.6	258	30	04.2	01.8	242	29	03.4	01.1	223	30	08.6	04.8	260	15	07.1	05.3	297
1.5 ,,	30	06.3	05.4	232	21	07.2	06.3	244	30	06.2	05.3	235	25	05.1	04.9	236	30	07.6	03.9	285	13	07.2	06.8	295
2.1 ,,	30	07.8	07.2	244	19	10.1	06.1	257	30	07.7	06.7	243	21	06.6	06.2	246	29	08.1	03.7	301	08	07.8	07.5	287
3.0 ,,	30	08.1	07.4	250	08	10.6	10.5	268	30	07.9	07.3	253	15	09.2	08.7	259	24	07.6	03.7	318	05	09.6	09.3	277
3.6 ,,	30	08.0	07.4	257	04	09.5	09.3	270	30	08.3	07.8	263	02	03.5	03.4	197	19	07.6	04.3	312				
4.5 ,,	30	07.3	06.4	250	01	06.0	06.0	270	29	08.0	07.2	258	01	01.0	01.0	060	15	07.9	02.5	322				
5.4 ,,	30	07.4	06.0	256					29	07.9	07.3	253					10	05.6	01.6	258				
6.0 ,,	30	06.8	05.3	249					29	06.5	05.7	254					09	03.6	00.5	155				
7.2 ,,	30	06.5	05.6	248					29	06.4	05.3	246					06	04.0	03.3	041				
9.0 ,,	29	06.1	04.5	240					29	07.9	06.3	250					02	05.0	04.2	092				

STATION	GAYA								GOA/DABOLIM												GOPALPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	04.3	01.9	030	30	04.1	02.3	118	30	04.4	02.0	286	30	05.9	03.8	266	30	04.5	01.7	279	30	04.0	03.2	233
.15 A.G.L.	29	06.6	02.3	034	30	07.8	03.9	140	17	03.8	01.9	323	22	06.0	04.2	248	16	04.6	02.5	276	29	08.9	05.9	219
.3A.M.S.L.	29	06.5	02.6	023	30	08.2	04.2	144	17	04.1	02.7	309	22	07.0	05.2	253	16	05.3	03.3	280	29	07.5	05.0	238
.6 ,,	29	06.9	02.5	023	30	08.9	04.8	161	17	06.2	05.5	291	22	08.7	06.2	256	16	06.4	04.9	285	29	07.5	05.0	258
.9 ,,	29	06.7	01.9	030	30	09.5	04.7	168	17	07.8	06.9	289	21	08.3	06.0	259	16	07.3	05.6	286	29	07.0	05.2	272
1.5 ,,	29	06.5	01.3	347	27	07.1	02.4	164	14	08.7	07.7	301	17	06.6	03.5	284	13	07.6	06.0	285	22	06.5	05.1	280
2.1 ,,	26	06.1	01.6	304	23	06.6	01.8	291	10	07.4	06.1	283	13	06.4	01.6	286	12	06.6	04.2	299	13	04.1	02.4	276
3.0 ,,	20	07.0	04.4	290	17	07.2	04.4	300	01	03.0	03.0	236	06	08.0	04.1	113	03	04.3	02.1	091	05	04.6	00.6	093
3.6 ,,	17	05.9	04.2	304	06	11.7	11.7	291	01	02.0	02.0	175	02	09.5	06.7	229	02	06.0	05.1	093	04	05.0	02.8	087
4.5 ,,	13	05.8	04.2	296					01	05.0	05.0	185	01	04.0	04.0	299	01	12.0	12.0	120	02	07.5	07.5	115
5.4 ,,	11	06.4	03.1	292					01	03.0	03.0	150	01	03.0	03.0	326					02	10.5	10.3	120
6.0 ,,	08	06.1	02.7	280					01	04.0	04.0	155	01	02.0	02.0	319					02	09.5	09.1	116
7.2 ,,	04	04.7	03.5	261									01	02.0	02.0	255								
9.0 ,,	01	07.0	07.0	284									01	05.0	05.0	240								

STATION	GOPALPUR								GORAKHPUR								GWALIOR							
TIME IN I.S.T.	1730				2330				0530				1730				0530				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	06.1	05.1	224	30	05.3	04.9	230	30	02.0	01.7	110	30	02.1	01.2	059	30	02.5	02.1	264	30	03.3	02.5	294
.15 A.G.L.	25	11.2	09.8	208	28	10.2	08.8	219	29	07.3	04.8	092	30	05.1	02.6	057	30	07.8	05.7	273	30	06.5	04.0	308
.3A.M.S.L.	25	09.3	08.2	211	28	09.8	08.5	223	29	08.1	05.1	096	30	05.3	02.8	061	30	06.6	05.1	271	30	06.0	04.9	293
.6 ,,	25	06.7	05.3	218	28	07.8	06.5	231	29	08.1	04.1	131	30	06.1	02.5	072	30	10.3	09.0	282	30	05.8	04.7	307
.9 ,,	23	05.7	02.6	250	28	05.9	04.3	238	29	07.5	02.6	199	30	05.5	01.2	067	30	10.3	09.1	291	28	05.9	04.7	307
1.5 ,,	20	06.3	03.7	264	23	04.8	02.9	270	28	07.9	03.4	195	30	05.3	01.8	280	27	06.9	06.0	300	22	05.5	03.7	324
2.1 ,,	16	05.8	03.0	296	12	05.4	03.1	284	25	08.7	06.1	297	30	07.5	05.6	287	24	05.1	03.7	308	19	05.1	04.3	315
3.0 ,,	07	05.4	02.9	250	05	04.8	03.2	205	24	08.3	06.1	303	29	09.4	07.7	289	21	05.9	03.3	330	18	05.9	03.9	308
3.6 ,,	04	05.5	01.6	183	02	03.5	01.7	217	17	09.4	07.4	304	25	09.9	09.2	293	18	06.3	03.5	340	17	06.5	03.5	295
4.5 ,,	01	09.0	09.0	118					08	08.5	07.1	308	19	08.8	08.6	291	13	06.4	04.6	344	16	06.5	03.9	274
5.4 ,,	01	07.0	07.0	129					07	07.7	06.0	289	15	08.3	07.3	294	10	07.4	04.8	325	16	08.3	05.7	279
6.0 ,,	01	09.0	09.0	135					05	06.2	04.6	273	08	07.6	06.9	295	10	07.3	04.9	318	13	09.1	07.4	268
7.2 ,,									02	03.5	00.7	300	05	07.3	06.5	267	09	07.0	04.2	281	11	08.4	05.8	263
9.0 ,,									01	04.0	04.0	130	03	06.0	06.0	236	05	05.8	03.3	233	07	05.3	01.5	262

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JUNE 1967.(JYAISTHA 11 - ASADHA 9,1889 SAKA)

STATION	GWALIOR								IMPHAL/TULIHAL											
TIME IN I.S.T.	1730				2330				0530				1130				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	02.8	01.3	268	30	02.2	01.1	245	30	00.5	00.3	179	30	01.5	00.7	301	30	02.5	01.3	281	30	00.7	00.7	130
.15 A.G.L.	29	07.0	03.9	276	30	06.6	03.9	258	27	01.9	00.8	157	30	02.6	01.2	281	30	04.7	02.6	275	30	02.1	00.8	274
.3A.M.S.L.	29	06.3	03.3	277	30	06.1	03.4	255																
.6 ,,	29	06.8	04.4	285	30	07.2	04.5	267																
.9 ,,	29	07.2	05.1	294	30	06.1	03.7	264	27	01.7	00.7	156	30	02.6	01.2	277	30	04.5	02.5	274	30	02.0	00.6	282
1.5 ,,	27	06.0	04.4	297	29	05.9	03.9	294	27	03.7	02.9	250	30	03.4	02.5	260	30	04.1	02.7	248	30	03.6	02.3	238
2.1 ,,	19	06.1	04.3	305	25	05.3	03.0	299	21	06.4	05.8	259	29	05.6	04.4	255	28	05.4	04.2	264	26	05.7	04.1	251
3.0 ,,	10	06.9	04.6	308	17	04.3	02.5	334	15	06.9	05.8	271	19	06.0	04.2	245	22	07.4	06.7	272	12	07.9	06.5	282
3.6 ,,	09	07.4	05.1	302	05	06.2	03.5	318	10	09.1	08.1	283	11	06.4	04.3	241	17	07.8	07.1	275	06	06.8	05.5	275
4.5 ,,	07	10.4	07.8	275	02	08.0	07.9	264	05	05.4	04.6	259	03	03.3	03.1	204	12	05.9	06.1	273	01	02.0	02.0	290
5.4 ,,	05	13.6	12.0	279					03	04.3	03.4	248	02	06.5	06.3	209	10	06.7	06.4	262				
6.0 ,,	05	13.6	13.0	264					02	06.5	04.9	275	01	06.0	06.0	235	07	06.4	06.0	257				
7.2 ,,	04	09.7	09.0	279					01	07.0	07.0	315					07	06.6	06.0	248				
9.0 ,,	03	08.3	05.6	264													03	04.0	03.4	248				

STATION	JABALPUR												JAGDALPUR											
TIME IN I.S.T.	0530				1730				2330				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.3	00.9	210	30	01.5	01.0	273	30	01.3	00.7	206	30	00.7	00.5	197	30	01.8	01.3	241	30	00.6	00.5	212
.15 A.G.L.	30	06.3	04.9	251	24	05.8	03.0	275	28	06.2	04.0	229	26	05.5	04.4	239	24	05.5	04.3	259	25	05.4	03.2	232
.3A.M.S.L.																								
.6 ,,	30	07.0	05.7	260	24	06.1	03.2	275	28	06.2	04.0	235	26	03.5	02.8	236	24	03.8	03.0	257	25	03.8	02.5	226
.9 ,,	30	09.8	08.0	280	24	06.8	04.2	275	28	06.8	04.5	247	26	02.9	03.2	246	24	06.3	04.8	263	25	06.6	04.4	251
1.5 ,,	28	09.0	07.3	296	23	06.0	04.7	293	28	06.4	04.8	271	23	07.9	06.4	277	21	06.6	04.8	280	24	06.0	04.9	268
2.1 ,,	25	06.4	04.2	305	20	06.7	03.9	303	24	05.7	03.0	275	21	06.1	04.9	299	17	05.9	04.6	297	23	05.6	05.1	283
3.0 ,,	17	05.1	02.7	036	13	06.6	02.8	357	16	05.6	01.3	003	17	06.0	04.3	323	11	05.4	03.2	306	20	06.5	04.9	295
3.6 ,,	13	05.2	02.4	033	10	06.6	04.2	305	05	05.4	04.0	062	15	05.3	03.3	331	10	05.2	03.5	238	09	05.0	02.5	304
4.5 ,,	08	07.1	01.2	040	05	08.8	02.0	023					12	04.9	02.8	309	07	06.0	03.8	317	04	05.0	02.3	339
5.4 ,,	06	06.8	03.0	320	04	08.7	02.8	316					07	05.3	03.4	266	05	07.2	05.2	316	01	06.0	06.0	070
6.0 ,,	04	08.0	03.9	096	04	07.5	02.9	317					07	04.3	00.8	215	03	04.3	02.8	303				
7.2 ,,					01	06.0	06.0	339					04	03.0	02.1	345	03	03.0	01.8	222				
9.0 ,,													03	04.3	03.0	029	02	04.0	03.2	012				

STATION	JAIPUR/SANGANER												JAMSHEDPUR											
TIME IN I.S.T.	0530				1730				2330				0530				1130				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.8	01.5	294	30	02.6	01.9	302	30	01.8	01.4	278	30	01.3	00.4	076					30	03.4	01.2	114
.15 A.G.L.	29	07.4	07.2	280	30	06.0	04.2	298	30	09.5	06.4	263	30	03.6	00.8	228					30	05.9	02.3	132
.3A.M.S.L.													30	03.7	01.4	210					30	05.9	02.3	137
.6 ,,	29	08.1	06.8	280	30	05.8	04.2	296	30	10.4	07.1	263	30	05.6	02.6	234					30	06.4	02.7	146
.9 ,,	29	09.3	08.5	282	30	06.0	04.2	295	30	10.4	07.8	268	30	06.9	03.8	253					29	06.3	02.1	151
1.5 ,,	27	06.2	05.5	287	28	06.0	04.1	305	30	09.2	06.8	283	28	07.4	03.4	269					28	06.0	01.1	141
2.1 ,,	24	04.8	03.1	298	28	06.1	04.3	306	24	06.2	03.5	296	27	06.8	03.6	291					23	06.1	01.3	293
3.0 ,,	21	04.3	00.8	349	23	05.3	03.0	313	18	05.1	02.8	002	19	07.2	04.2	312					16	07.3	03.6	296
3.6 ,,	18	05.1	01.1	029	23	05.0	02.7	310	11	04.6	02.5	025	17	07.5	04.7	303					11	09.2	06.7	290
4.5 ,,	17	05.8	00.9	326	19	06.3	04.1	315	01	10.0	10.0	300	09	08.2	05.2	318					05	12.2	11.8	296
5.4 ,,	15	06.3	03.7	274	16	09.1	06.8	299					03	04.3	02.1	301					02	07.5	07.1	299
6.0 ,,	11	07.2	06.2	266	15	08.1	06.0	290					02	05.5	02.5	181					01	07.0	07.0	275
7.2 ,,	09	06.1	04.1	253	07	10.7	08.0	311					02	05.0	02.1	038					01	03.0	02.0	315
9.0 ,,	05	05.2	03.1	300									01	05.0	05.0	014					01	02.0	02.0	045

STATION	JHARSUGUDA												JODHPUR											
TIME IN I.S.T.	0530				1730				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V		N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	02.1	01.3	242	30	03.2	00.9	241	30	02.5	01.0	273	30	06.2	05.3	218	30	03.8	03.3	233	30	04.8	03.8	230
.15 A.G.L.	29	04.6	02.1	224	27	05.1	01.8	217	27	05.6	02.0	2[illegible]	29	08.8	07.8	224	30	05.9	05.3	233	30	06.5	04.4	230
.3A.M.S.L.	29	03.9	02.0	219	27	05.2	02.3	230	27	04.5	01.3	261	29	06.8	05.8	217	30	04.8	04.3	240	30	05.1	03.9	228
.6 ,,	29	06.0	03.0	258	27	05.9	01.7	236	27	06.6	02.6	253	29	08.8	07.8	224	30	05.9	05.6	240	30	06.8	05.4	227
.9 ,,	28	07.8	04.3	271	27	05.8	01.2	253	27	06.5	02.2	264	29	09.0	08.1	225	30	06.0	05.1	249	30	07.1	05.6	229
1.5 ,,	23	08.1	05.3	284	27	05.9	01.2	304	26	06.0	01.6	2[illegible]	29	06.8	05.1	234	30	06.5	03.9	243	30	06.5	05.5	229
2.1 ,,	20	07.3	03.4	307	25	05.8	01.2	347	23	05.5	01.5	032	29	06.6	02.8	244	27	05.6	00.9	217	30	06.2	03.9	227
3.0 ,,	17	07.1	02.9	335	23	06.4	01.8	340	15	06.1	01.9	351	29	07.4	01.4	255	25	06.5	00.8	134	30	06.6	01.5	220
3.6 ,,	17	07.3	02.9	342	21	06.3	02.0	331					27	07.0	01.5	017	22	07.2	01.7	115	30	07.0	00.9	214
4.5 ,,	12	07.1	02.0	324	18	05.5	02.7	323					27	06.8	02.4	359	17	05.2	01.7	135	30	05.5	01.4	247
5.4 ,,	06	08.6	05.6	326	14	07.2	03.1	307					27	06.4	02.1	293	15	05.8	02.4	207	29	07.1	03.1	273
6.0 ,,	05	07.4	02.8	297	09	07.5	04.0	323					27	06.6	01.9	319	14	04.9	01.1	243	29	07.1	02.8	289
7.2 ,,	03	05.0	02.0	170	05	05.0	02.5	348					26	08.4	01.6	304	10	04.9	00.8	268	29	07.1	03.4	305
9.0 ,,	02	06.0	02.6	171	05	07.8	05.5	255					25	08.6	01.1	298	01	03.0	03.0	321	29	07.7	02.4	312

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

- JUNE 1967.(JYAISTHA 11 - ASADHA 9,1889 SAKA)

STATION	JODHPUR				LUCKNOW/AMAUSI												MADRAS/MINAMBAKKAM			
TIME IN I.S.T.	2330				0530*				1130				1730*				2330				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	05.1	04.1	215	30	02.4	00.4	024	30	05.5	01.5	290	30	03.1	02.1	297	30	02.1	00.9	125	30	04.6	03.7	248
.15 A.G.L.	30	08.0	07.1	217	30	08.1	00.9	342	30	05.0	01.3	275	29	06.8	03.6	313	30	06.6	00.4	251	30	08.0	06.7	248
.3A.M.S.L.	30	06.6	05.3	217	30	08.1	00.9	342	30	05.5	01.3	277	29	06.8	03.6	313	30	07.1	00.5	226	30	08.9	07.8	253
.6 ,,	30	09.3	08.1	221	30	08.6	01.9	271	30	06.5	01.1	290	29	06.6	03.1	316	30	07.5	01.0	257	30	10.9	09.6	265
.9 ,,	30	09.3	08.1	222	30	07.7	02.9	276	28	06.7	02.0	307	29	07.0	03.1	312	29	06.1	01.3	269	30	11.4	09.3	268
1.5 ,,	26	08.4	06.7	230	29	07.8	05.3	283	25	06.9	05.4	314	29	07.3	05.2	295	27	07.6	02.8	276	30	09.9	08.8	283
2.1 ,,	22	07.9	04.9	237	29	07.6	06.0	292	24	08.4	07.4	308	28	07.1	05.5	297	20	05.6	03.5	299	30	08.3	05.7	296
3.0 ,,	15	05.4	02.2	093	29	07.8	05.7	300	19	07.5	06.0	275	28	08.3	06.9	291	15	05.4	04.1	310	30	08.4	04.6	297
3.6 ,,	06	06.5	03.7	064	28	08.5	06.7	302	17	07.3	05.0	249	28	08.3	06.9	287	01	03.0	03.0	210	29	08.3	04.8	290
4.5 ,,					28	07.3	05.1	296	12	06.0	03.3	264	28	09.2	07.7	292					29	08.3	03.8	270
5.4 ,,					27	08.1	05.2	274	08	06.4	05.3	253	28	09.2	02.5	287					29	07.6	03.4	270
6.0 ,,					26	07.9	04.8	272	07	06.9	06.3	243	28	08.1	06.9	288					29	05.9	02.8	263
7.2 ,,					26	06.6	04.2	285	04	10.3	09.3	253	28	08.7	06.1	282					28	05.0	01.0	231
9.0 ,,					26	08.1	04.2	273	01	19.0	19.0	270	27	08.5	05.3	266					28	07.8	06.1	092

STATION	MADRAS/MINAMBAKKAM												MANGALORE/BAJPE											
TIME IN I.S.T.	1130				1730*				2330				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	04.3	03.7	263	30	05.2	03.2	174	30	04.4	03.7	187	30	02.1	00.4	130	30	04.0	02.7	276	30	01.6	00.2	126
.15 A.G.L.	30	06.3	05.7	264	30	07.2	04.2	179	28	09.9	08.4	206	22	04.5	00.3	120	27	05.6	04.0	260	23	04.6	02.0	255
.3A.M.S.L.	30	06.3	05.9	260	30	06.9	04.2	189	28	11.0	09.1	213	22	04.9	01.5	258	27	06.0	04.4	259	23	04.8	02.6	261
.6 ,,	30	07.3	06.9	262	30	06.4	04.7	230	28	10.9	09.0	226	21	05.8	04.7	270	27	06.9	05.3	267	23	06.2	04.9	268
.9 ,,	30	08.1	07.6	266	30	06.9	05.7	252	28	09.8	07.9	240	20	07.9	07.0	276	24	07.3	06.0	278	21	06.6	05.7	274
1.5 ,,	28	10.0	08.9	281	30	07.1	06.6	270	26	09.0	07.1	267	16	07.2	05.9	284	19	07.2	05.2	287	16	05.9	04.4	278
2.1 ,,	24	09.6	08.7	281	30	08.3	07.2	283	21	07.0	05.3	289	12	05.1	02.7	275	14	05.2	02.3	328	13	05.4	02.4	278
3.0 ,,	21	08.2	06.1	282	30	08.9	06.6	288	16	05.1	02.2	351	08	06.1	01.3	194	12	05.7	00.1	067	09	04.2	01.3	185
3.6 ,,	16	06.3	03.4	269	30	08.8	06.1	291	06	05.0	02.9	008	07	06.1	03.4	202	10	06.6	00.3	295	05	05.2	03.3	126
4.5 ,,	14	07.6	03.2	262	30	08.5	04.9	283					05	07.4	04.9	203	08	07.5	01.3	307	05	04.4	03.4	163
5.4 ,,	12	07.3	03.9	265	30	07.3	04.5	280					03	06.0	04.9	192	07	06.9	01.9	247	03	04.7	03.1	231
6.0 ,,	10	05.3	02.1	233	30	06.4	04.5	281					03	05.3	03.6	222	06	05.8	01.7	271	03	03.7	01.8	157
7.2 ,,	05	02.6	00.4	203	30	04.9	01.7	256					01	03.0	03.0	285	05	02.4	00.5	008				
9.0 ,,	03	08.3	06.4	098	30	05.9	03.8	083					01	07.0	07.0	025	02	04.5	04.3	067				

STATION	MINICOY																NAGPUR/SONEGAON							
TIME IN I.S.T.	0530				1130				1730*				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	04.8	04.5	272	30	05.0	04.5	272	30	05.5	05.1	261	30	05.3	04.8	275	30	02.9	02.5	305	30	03.6	02.7	294
.15 A.G.L.	27	07.9	07.4	264	29	07.9	07.6	263	30	07.9	07.4	262	27	08.6	07.9	267	30	07.8	06.9	298	30	05.1	03.8	297
.3A.M.S.L.	27	08.9	08.4	264	29	08.5	08.2	265	30	08.6	08.2	265	27	09.0	08.5	268								
.6 ,,	26	10.8	10.4	272	29	10.2	09.9	269	30	10.1	09.6	267	27	10.9	10.4	272	30	09.1	07.6	296	30	05.0	03.7	299
.9 ,,	25	12.0	11.8	277	27	11.3	11.1	276	30	11.0	10.6	269	27	12.1	11.7	277	30	09.7	08.3	295	30	05.4	04.2	292
1.5 ,,	23	12.6	12.4	283	23	11.0	10.8	279	30	10.7	10.5	275	25	12.9	12.0	278	30	07.7	06.0	305	28	05.9	04.1	296
2.1 ,,	19	11.4	10.9	282	17	10.5	10.1	279	30	10.5	10.3	273	20	10.4	09.8	281	30	05.7	04.2	292	24	05.7	03.2	307
3.0 ,,	16	08.5	07.9	275	08	08.0	07.7	267	30	10.1	09.6	271	15	08.6	07.6	281	30	06.4	01.3	308	21	06.2	02.9	273
3.6 ,,	11	07.2	06.0	270	04	07.0	06.6	248	29	10.0	09.2	265	07	06.0	04.2	271	30	07.2	01.4	354	17	07.3	03.5	284
4.5 ,,	08	06.9	04.6	256	02	05.0	05.0	233	29	09.3	07.8	261	02	08.0	03.8	140	30	06.7	00.3	089	13	06.5	03.8	261
5.4 ,,	05	06.6	06.0	255	02	05.5	05.0	214	29	08.1	05.9	258	01	01.0	01.0	360	30	07.0	01.6	064	11	06.4	03.3	262
6.0 ,,	03	03.7	03.0	198	02	05.0	03.0	205	29	07.2	04.4	261	01	01.0	01.0	110	30	07.1	01.0	074	10	07.1	04.1	258
7.2 ,,	02	04.0	02.9	195	02	06.0	01.1	278	28	05.8	01.0	272					30	08.0	01.7	044	08	06.0	04.5	279
9.0 ,,	02	01.5	01.5	065	01	05.0	05.0	020	27	08.3	04.8	057					29	07.8	01.5	067	05	05.8	03.2	267

STATION	NAGPUR/SONEGAON								NEW DELHI/SAFDARJUNG															
TIME IN I.S.T.	1730*				2330				0530*				1130				1730*				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	03.6	02.1	188	30	02.0	01.3	266	30	03.5	01.5	265	30	03.6	02.5	254	30	03.0	01.2	284	30	02.3	00.6	244
.15 A.G.L.	29	06.7	04.3	282	26	06.6	04.0	292	30	10.1	06.8	271	29	06.0	03.8	294	30	06.4	03.0	298	30	08.3	03.8	271
.3A.M.S.L.									29	05.6	04.1	267	29	05.1	03.7	291	30	03.8	02.0	289	30	07.6	03.1	267
.6 ,,	29	06.5	03.9	282	26	07.3	04.9	283	30	[illegible]	07.9	275	29	05.8	04.0	299	30	06.2	03.2	299	30	08.9	04.3	277
.9 ,,	29	06.1	03.7	280	26	07.2	05.1	279	30	10.6	08.9	279	29	06.4	05.4	297	30	06.1	03.5	295	30	09.0	04.9	278
1.5 ,,	29	05.9	04.1	289	26	06.6	04.3	282	30	08.8	07.5	293	23	06.0	04.9	301	30	06.6	05.2	295	27	07.2	05.4	288
2.1 ,,	29	06.1	03.6	297	22	06.0	03.1	292	30	07.6	06.4	306	18	05.8	04.4	315	29	07.5	06.3	297	22	06.3	04.7	295
3.0 ,,	29	06.6	02.4	310	17	04.5	02.5	319	30	07.2	05.4	319	13	06.4	04.1	302	30	08.0	06.6	306	17	05.2	04.2	313
3.6 ,,	29	06.7	02.5	321	07	04.6	02.6	045	30	06.8	05.5	323	08	07.0	05.7	305	30	07.7	06.5	307	04	05.7	03.0	025
4.5 ,,	29	06.5	01.4	321					30	06.0	04.2	314	06	07.0	06.3	299	30	08.1	06.4	306	01	03.0	03.0	090
5.4 ,,	29	06.6	01.3	004					30	05.5	04.0	303	04	09.0	07.8	287	29	08.3	06.3	303				
6.0 ,,	29	06.6	01.4	011					29	06.0	03.8	306	04	07.0	06.6	271	29	08.3	06.6	300				
7.2 ,,	28	07.8	01.1	034					28	07.8	04.0	293	04	08.5	08.5	290	29	10.4	08.0	292				
9.0 ,,	28	08.2	00.3	120					29	09.4	05.6	294	02	12.5	12.3	277	29	10.6	06.8	295				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JUNE 1967.(JYAISTHA 11 - ASADHA 9,1889 SAKA)

STATION	POONA												PORT BLAIR											
TIME IN I.S.T.	0530				1730				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.1	01.1	264	30	03.0	02.7	262	30	01.7	01.7	266	30	05.8	05.6	221	30	05.8	04.8	220	30	06.1	05.9	221
.15 A.G.L.	30	05.9	05.6	257	30	08.0	07.6	258	28	06.6	06.5	253	30	08.4	08.1	221	30	06.9	06.0	230	20	08.2	08.0	224
.3A.M.S.L.													30	08.6	08.3	221	30	07.6	06.7	233	29	08.4	08.3	225
.6 ,,	30	03.0	02.8	257	30	05.0	04.7	260	28	03.7	03.6	257	30	10.0	09.5	227	29	08.1	07.3	237	29	11.0	10.8	229
.9 ,,	30	07.9	07.4	261	30	08.1	07.9	260	28	08.7	08.4	256	30	10.4	09.9	232	15	06.8	05.7	239	29	11.9	11.5	233
1.5 ,,	24	10.5	09.1	277	27	09.7	08.8	260	24	12.3	10.9	269	30	10.5	09.9	238	09	04.8	02.7	228	30	10.0	09.6	239
2.1 ,,	20	08.4	05.2	273	19	08.6	06.1	265	13	08.0	04.6	254	30	08.8	07.8	247	08	04.6	01.7	226	30	09.2	08.5	246
3.0 ,,	13	05.2	01.9	190	10	08.0	04.0	253	12	06.3	01.9	146	30	08.6	07.0	258	04	02.2	01.0	210	30	08.4	07.2	257
3.6 ,,	07	05.9	04.2	157	09	08.0	03.7	270	08	06.5	02.5	168	30	08.8	07.0	259	01	01.0	01.0	060	30	08.6	06.6	260
4.5 ,,					06	06.2	01.3	176	01	07.0	07.0	185	30	08.0	05.9	258					30	07.0	05.1	259
5.4 ,,					05	05.4	02.8	350					30	07.5	04.7	247					30	06.4	03.7	257
6.0 ,,					05	06.0	04.1	338					29	06.7	03.1	229					30	06.3	02.4	242
7.2 ,,					04	03.5	02.7	324					28	06.5	01.3	160					29	05.8	00.5	160
9.0 ,,													28	07.6	03.3	085					29	08.5	04.0	070

STATION	PORT BLAIR				RAIPUR												RAXAUL							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	04.7	04.5	231	30	01.7	01.2	255	30	02.1	01.3	247	30	01.9	01.2	241	30	03.1	02.9	089	30	02.6	01.8	092
.15 A.G.L.	29	07.0	06.7	236	29	06.8	05.2	256	30	06.3	04.1	255	27	07.2	04.6	253	27	08.0	07.4	089	28	05.0	04.3	088
.3A.M.S.L.	29	08.0	07.7	236													27	08.7	08.0	093	28	05.5	04.4	089
.6 ,,	27	09.3	09.0	240	29	08.3	06.5	280	30	07.2	04.8	254	27	07.5	04.6	264	27	08.7	07.4	107	28	05.8	05.8	098
.9 ,,	22	09.0	08.4	245	29	09.2	07.3	292	30	06.9	04.8	260	27	06.6	04.5	278	27	07.0	04.7	123	28	05.1	03.3	117
1.5 ,,	19	07.3	06.7	250	29	07.9	05.6	298	28	06.5	04.1	282	24	06.2	03.3	291	24	05.2	01.3	202	27	04.7	01.0	227
2.1 ,,	17	06.0	05.6	246	29	06.7	03.9	322	26	06.3	03.0	317	22	06.6	03.1	311	20	04.3	03.8	285	24	06.0	03.2	278
3.0 ,,	12	04.5	04.1	260	25	06.4	02.9	326	21	06.2	03.3	341	17	07.8	03.6	302	09	08.5	08.3	282	18	08.7	07.2	285
3.6 ,,	03	03.0	01.9	291	23	06.3	03.2	336	21	06.4	03.1	339	11	08.5	03.7	312	05	08.4	07.8	291	14	08.0	07.1	286
4.5 ,,	02	02.0	01.1	112	20	06.3	02.5	333	20	06.5	02.7	325	03	06.0	03.7	055	03	06.6	06.4	258	10	04.3	04.1	283
5.4 ,,	01	03.0	03.0	058	11	05.9	01.2	295	13	06.9	03.2	320	01	02.0	02.0	030	03	04.6	04.4	292	09	06.0	05.7	256
6.0 ,,	01	07.0	07.0	095	10	07.3	01.2	244	11	07.0	03.7	318					01	06.0	06.0	274	08	06.5	06.1	280
7.2 ,,					09	06.3	02.9	299	11	07.5	05.1	294									04	06.2	05.6	239
9.0 ,,					05	06.2	05.4	257	06	10.5	04.7	255									03	06.3	05.8	250

STATION	SRINAGAR												TIRUCHCHIRAPPALLI								TRIVANDRUM			
TIME IN I.S.T.	0530*				1730*				0530				1730				2330				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	28				29	01.0	01.0	360	30	04.5	04.3	271	30	06.5	05.2	264	30	04.8	03.9	254	30	02.6	02.2	323
.15 A.G.L.	28	02.1	00.9	147	29	02.0	00.5	300	30	08.6	08.3	268	30	08.7	07.3	258	30	07.1	06.0	255	30	07.2	06.7	317
.3A.M.S.L.									30	09.4	09.2	268	30	08.6	07.4	259	30	07.8	06.6	256	30	07.6	07.1	313
.6 ,,									30	12.5	12.3	268	30	08.3	07.7	264	30	09.9	09.2	259	30	09.2	08.2	300
.9 ,,									30	12.7	12.4	267	30	09.0	08.5	266	30	11.5	11.0	264	30	11.0	10.7	292
1.5 ,,									30	10.8	10.3	265	29	09.6	09.2	267	29	10.2	09.8	271	30	11.7	11.3	290
2.1 ,,	28	02.1	00.6	111	29	02.2	00.9	304	29	09.6	07.9	269	28	09.2	08.2	273	25	07.5	06.1	281	30	11.0	10.6	288
3.0 ,,	28	02.7	00.5	308	29	03.6	01.9	300	26	08.5	05.2	283	23	08.0	05.2	283	17	05.2	02.0	294	30	09.1	08.2	279
3.6 ,,	28	04.1	01.4	293	29	03.6	01.8	312	22	06.7	01.7	308	18	08.3	03.1	288	11	05.5	00.9	241	30	08.6	06.7	269
4.5 ,,	27	04.6	02.9	330	29	05.1	03.7	306	20	06.5	00.9	226	15	07.0	01.1	256	08	05.1	02.1	229	30	08.5	05.8	262
5.4 ,,	27	04.4	02.0	320	28	06.0	03.6	307	16	04.9	01.3	237	13	05.3	03.0	256	02	06.0	02.7	075	29	07.0	04.3	266
6.0 ,,	27	06.1	03.3	297	28	07.1	05.1	303	13	06.3	01.1	142	10	05.0	02.9	255					29	06.0	02.2	262
7.2 ,,	26	11.4	08.3	280	28	11.4	10.0	293	07	06.1	05.1	119	07	04.3	02.0	308					29	05.6	01.2	337
9.0 ,,	26	18.4	15.8	281	28	18.4	16.3	292					04	04.3	01.7	020					29	07.3	04.8	067

STATION	TRIVANDRUM												UDAIPUR											
TIME IN I.S.T.	1130				1730*				2330				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D*	N	S	V	D
SURFACE	30	03.0	02.6	298	30	04.1	03.8	286	30	03.0	02.3	308	30	00.7	00.6	240	30	01.5	01.2	245	30	01.0	00.9	222
.15 A.G.L.	30	05.9	05.2	295	30	07.7	07.3	296	29	07.4	06.6	301	29	03.5	02.9	251	28	04.7	03.4	239	29	05.0	04.2	242
.3A.M.S.L.	30	06.4	05.8	297	30	07.9	07.5	296	29	08.3	07.5	300												
.6 ,,	30	08.7	08.1	297	30	09.4	08.9	294	29	10.4	09.6	294												
.9 ,,	28	10.0	09.3	297	30	10.8	10.4	295	26	11.2	10.5	297	29	04.9	04.1	259	28	05.1	03.5	242	29	05.9	05.0	242
1.5 ,,	21	10.4	10.0	297	30	12.0	11.3	294	23	12.8	12.4	294	29	06.9	04.3	260	28	05.5	03.0	255	27	05.1	04.0	246
2.1 ,,	11	11.1	10.7	292	30	11.4	11.1	292	14	10.4	09.2	289	28	06.8	01.7	248	28	05.7	02.3	275	21	05.2	00.7	182
3.0 ,,	05	08.4	08.0	294	30	09.7	08.6	285	08	05.1	04.4	277	24	07.9	01.2	265	26	07.4	00.3	150	15	06.2	00.2	275
3.6 ,,	04	08.2	05.2	292	30	09.8	07.4	276	05	06.0	04.6	271	22	07.6	00.3	257	24	07.6	00.9	081	11	06.4	01.9	117
4.5 ,,	03	06.3	04.0	325	30	08.2	06.3	261	02	05.0	05.0	268	18	07.8	02.2	325	19	07.7	02.0	303	08	05.0	01.3	171
5.4 ,,	01	06.0	06.0	020	30	07.1	04.8	253	01	03.0	03.0	275	12	06.9	03.3	319	18	06.1	02.6	300	03	05.0	02.3	241
6.0 ,,					30	07.1	03.6	259	01	03.0	03.0	275	08	07.6	02.3	288	17	05.9	02.0	320	02	08.5	06.3	220
7.2 ,,					30	05.5	01.3	328					08	07.0	02.7	330	14	06.8	02.3	312	01	03.0	03.0	348
9.0 ,,					30	07.5	05.9	069					05	08.2	02.6	331	09	04.9	01.2	295	01	07.0	07.0	281

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JUNE 1967.(JYAISTHA 11 - ASADHA 9,1889 SAKA)

STATION	VENGURLA												VERAVAL											
TIME IN I.S.T.	0530				1730				2330				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	00.7	00.2	169	30	02.2	01.7	241	30	01.3	00.3	241	30	05.5	04.6	245	30	06.4	05.1	236	30	05.3	04.3	239
.15 A.G.L.	27	03.5	01.3	281	25	06.4	04.7	248	28	04.2	01.8	253	30	06.9	05.8	239	28	07.2	05.9	234	29	06.8	05.7	240
.3A.M.S.L.	27	04.5	03.0	271	25	07.8	05.9	255	28	05.3	03.6	260	30	07.4	06.3	243	28	07.7	06.3	238	29	07.5	06.4	243
.6 ,,	26	06.8	05.4	274	25	09.2	07.3	259	28	07.5	05.9	267	30	08.3	07.2	245	26	08.1	06.5	243	29	08.0	06.7	246
.9 ,,	20	07.8	06.5	285	22	10.1	08.3	265	22	08.9	07.2	280	28	08.9	07.5	248	24	08.3	06.7	263	26	08.0	06.5	257
1.5 ,,	14	07.5	06.0	289	15	08.5	05.4	290	15	09.1	06.9	286	20	07.6	05.2	256	22	08.1	05.6	272	23	07.4	04.4	261
2.1 ,,	10	08.2	02.7	279	13	08.3	05.4	306	11	07.8	04.6	300	16	08.0	03.8	247	20	09.1	05.5	263	20	07.3	03.5	244
3.0 ,,	04	06.7	04.1	140	11	07.5	03.1	321	09	05.6	00.8	079	12	08.8	03.2	192	16	08.9	03.9	237	16	06.3	03.1	132
3.6 ,,	02	07.0	06.9	114	11	06.9	01.4	232	07	06.0	03.0	102	02	08.0	07.7	032	14	08.4	03.0	202	11	06.4	03.4	135
4.5 ,,					10	07.4	02.7	195	03	08.0	07.9	135					13	05.8	01.9	131	05	05.6	03.4	095
5.4 ,,					10	08.3	04.0	213									13	05.5	01.6	098	01	05.0	05.0	085
6.0 ,,					10	07.1	02.9	197									13	05.7	02.7	069	01	02.0	02.0	060
7.2 ,,					07	06.0	01.7	327									11	06.6	03.4	038				
9.0 ,,					06	04.7	00.8	329									05	07.6	01.0	002				

STATION	VIJAYWADA/GANNAVARAM												VISHAKHAPATNAM											
TIME IN I.S.T.	0530				1730				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	02.6	01.8	259	30	04.6	02.4	272	30	03.2	02.3	214	30	04.5	04.4	276	30	02.8	02.3	208	30	03.5	02.7	269
.15 A.G.L.	28	06.5	05.0	258	30	06.5	03.8	275	27	07.3	05.2	230	30	08.4	07.9	284	30	06.4	06.0	218	30	05.9	04.7	275
.3A.M.S.L.	28	08.4	06.6	261	30	06.7	03.8	276	27	08.4	05.8	235	30	08.7	08.1	280	30	06.6	06.1	230	30	06.1	07.8	269
.6 ,,	28	11.5	09.2	264	30	07.0	04.7	276	27	08.7	06.3	247	29	09.9	09.1	258	30	06.8	06.1	254	30	07.0	05.8	244
.9 ,,	28	12.6	10.1	269	30	07.7	06.2	274	27	09.4	07.2	253	29	09.1	08.2	262	28	07.3	06.4	269	30	07.2	05.7	255
1.5 ,,	28	12.2	09.3	278	30	07.7	07.0	283	27	07.9	06.5	276	29	07.2	06.0	281	27	07.8	06.8	289	30	06.7	05.3	284
2.1 ,,	26	09.8	08.3	289	30	08.2	07.3	289	24	06.6	05.2	286	29	07.0	06.0	297	26	07.0	06.3	295	29	06.5	05.1	300
3.0 ,,	20	07.9	05.8	299	28	07.9	07.1	291	22	06.1	04.5	302	28	06.0	05.0	316	25	06.4	04.9	295	29	05.9	03.9	288
3.6 ,,	20	07.5	05.1	303	25	07.7	06.6	293	19	04.7	03.7	304	27	05.5	02.9	328	21	06.2	03.6	303	29	06.7	04.1	294
4.5 ,,	16	05.7	01.7	299	15	06.1	04.2	288	17	03.6	02.2	284	26	06.3	03.7	343	19	06.4	03.0	289	28	05.9	03.9	298
5.4 ,,	15	05.8	02.2	226	11	06.1	04.7	278	04	03.3	00.3	100	26	05.5	01.5	022	19	04.9	01.6	298	28	04.8	02.7	297
6.0 ,,	14	05.4	02.5	264	10	04.8	02.9	271	03	02.3	01.3	193	25	04.6	00.5	350	17	05.1	01.8	303	28	05.3	01.5	292
7.2 ,,	12	04.3	01.4	282	08	05.7	02.4	321					24	06.1	02.8	077	08	05.3	01.8	277	27	05.0	01.5	200
9.0 ,,	05	06.8	03.4	227	02	07.0	03.5	272					24	07.0	03.4	092					26	06.4	03.8	069

STATION	VISHAKHAPATNAM																							
TIME IN I.S.T.	2330																							
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	02.5	02.3	251																				
.15 A.G.L.	29	06.2	06.0	240																				
.3A.M.S.L.	29	06.8	06.6	239																				
.6 ,,	29	04.8	04.3	243																				
.9 ,,	28	07.2	06.5	254																				
1.5 ,,	25	06.5	05.6	269																				
2.1 ,,	22	06.0	05.0	285																				
3.0 ,,	18	06.2	04.7	299																				
3.6 ,,	08	05.6	01.7	323																				
4.5 ,,	04	06.7	02.6	325																				
5.4 ,,																								
6.0 ,,																								
7.2 ,,																								
9.0 ,,																								

STATION

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

JUNE 1967.(JYAISTHA 11 - ASADHA 9,1889 SAKA)

STATION	AGARTALA								AHMADABAD												ALLAHABAD/BAMHRAULI			
TIME IN I.S.T.	0530				1730				0530*				1130				1730*				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	02	04.0	02.3	139	05	07.8	06.5	157	27	07.8	01.8	122	01	10.0	10.0	249	28	08.6	02.0	075	04	06.5	03.8	164
12.0	01	04.0	04.0	105	04	06.0	04.3	150	27	10.0	03.1	108					27	09.6	02.5	080	03	04.7	01.8	168
14.1	01	03.0	03.0	110	03	07.0	05.6	125	24	11.0	05.1	098					21	11.5	07.2	086	02	05.5	04.9	120
16.2	01	06.0	06.0	030	02	12.0	11.9	088	12	15.0	12.0	081					14	16.0	13.4	088	02	07.5	06.1	076
18.0	01	12.0	12.0	055	02	11.5	11.5	103	07	16.6	12.8	077					07	17.1	17.0	092	02	16.0	15.9	095
21.0	01	16.0	16.0	070	01	07.0	07.0	095	01	12.0	12.0	070					02	12.0	11.7	093	02	23.0	23.0	090
24.0	01	14.0	14.0	045	01	09.0	09.0	007	5								01	08.0	08.0	150				
27.0																	01	11.0	11.0	115				
30.0																								
33.0																								

STATION	ANANTAPUR				ASANSOL								BAHRAICH								BANGALORE			
TIME IN I.S.T.	0530				0530				1730				0530				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	04	06.0	04.3	111	02	05.5	00.7	110	02	02.5	01.5	340	02	05.0	05.0	245	01	06.0	06.0	240	03	08.0	06.1	118
12.0	01	07.0	07.0	165	02	05.0	04.6	048	02	08.0	05.3	041	01	01.0	01.0	143	01	05.0	05.0	211	01	07.0	07.0	142
14.1					01	13.0	13.0	090					01	01.0	01.0	086					01	06.0	06.0	157
16.2					01	24.0	24.0	100					01	13.0	13.0	075								
18.0																								
21.0																								
24.0																								
27.0																								
30.0																								
33.0																								

STATION	BANGALORE								BAREILLY				BIRGAMPKI								BHOPAL/BAIRAGARH			
TIME IN I.S.T.	1130				1730				0530				0530*				1730*				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	02	05.0	04.9	102	07	09.4	09.0	085	01	02.0	02.0	264	30	09.7	06.2	079	29	08.7	05.6	066	09	08.3	03.5	304
12.0	01	09.0	09.0	105	05	15.4	15.1	076	01	05.0	05.0	295	30	12.0	09.3	085	29	11.7	09.2	081	03	08.3	05.5	007
14.1					02	20.5	20.5	080	01	02.0	02.0	007	28	18.2	14.3	082	29	17.5	16.3	082	02	12.0	10.1	060
16.2					01	32.0	32.0	092	01	09.0	08.0	020	26	24.8	24.2	090	29	25.8	25.0	088				
18.0					01	23.0	23.0	088	01	19.0	19.0	080	21	18.3	17.7	084	25	21.8	21.4	090				
21.0									01	18.0	18.0	050	12	13.2	12.8	081	12	14.0	13.5	091				
24.0													04	15.5	15.4	086	03	14.3	13.6	100				
27.0																	01	12.0	12.0	075				
30.0																								
33.0																								

STATION	BHOPAL/BAIRAGARH				BOMBAY/SANTACRUZ												CALCUTTA/DUM DUM							
TIME IN I.S.T.	1730				0530*				1130				1730*				0530*				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	01	02.0	02.0	059	29	07.4	04.0	095	01	08.0	08.0	180	29	08.3	05.0	078	29	07.7	03.4	104	29	07.0	01.1	137
12.0					28	09.5	06.5	091	01	09.0	09.0	160	28	10.7	08.0	083	29	07.9	04.6	110	29	06.9	03.1	080
14.1					22	14.9	13.2	094	01	08.0	08.0	220	23	14.9	13.5	099	27	09.3	07.1	086	29	08.6	05.9	073
16.2					13	21.6	20.9	103	01	17.0	17.0	105	19	23.4	22.6	094	26	13.1	11.7	088	27	12.0	10.6	070
18.0					05	21.0	19.7	090					08	25.6	25.3	098	19	16.8	15.1	076	11	15.3	15.0	090
21.0					03	14.3	14.3	079					03	23.3	23.3	108	03	18.3	18.3	088	06	16.3	14.8	080
24.0																								
27.0																								
30.0																								
33.0																								

STATION	DEHRADUN				DIBRUGARH/MOHANBARI				GADAG				GAUHATI								GAYA			
TIME IN I.S.T.	1730				1730				0530				0530*				1730*				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	07	13.6	08.8	287	01	02.0	02.0	205	06	05.3	03.1	208	28	07.2	06.0	247	29	08.0	06.5	261	01	11.0	11.0	275
12.0	06	14.2	10.7	270	01	05.0	05.0	280	05	08.8	05.1	160	27	08.5	06.8	254	29	07.3	06.2	256				
14.1	02	07.0	06.4	323					04	11.7	10.3	101	19	08.7	06.3	293	24	08.8	06.1	284				
16.2	01	09.0	09.0	325					03	19.7	19.2	097	07	08.9	06.5	328	13	07.8	02.6	356				
18.0	01	14.0	14.0	300					03	23.3	23.3	091	02	05.5	04.5	028	03	15.0	14.8	071				
21.0									02	12.5	10.3	093	01	19.0	19.0	085	01	07.0	07.0	115				
24.0																								
27.0																								
30.0																								
33.0																								

STATION	GOA/DABOLIM				GORAKHPUR								GWALIOR											
TIME IN I.S.T.	1730				0530				1730				0530				1130				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	01	07.0	07.0	225	01	02.0	02.0	153	01	04.0	04.0	156	04	03.7	01.3	299	05	05.6	04.9	301	01	07.0	07.0	310
12.0	01	17.0	17.0	175	01	01.0	01.0	360	01	08.0	08.0	165	03	01.3	00.4	289	03	08.3	05.1	300				
14.1									01	02.0	02.0	174	02	05.5	03.2	345								
16.2													01	10.0	10.0	096								
18.0													01	18.0	18.0	070								
21.0																								
24.0																								
27.0																								
30.0																								
33.0																								

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

JUNE 1967.(JYAISTHA 11 - ASADHA 9,1889 SAKA)

STATION	JAGDALPUR								JAIPUR/SANGANER				JAMSHEDPUR											
TIME IN I.S.T.	0530				1730				0530				0530				1130				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	03	06.0	04.1	089	01	11.0	11.0	085	03	06.7	06.0	276	01	09.0	09.0	045					01	02.0	02.0	253
12.0	03	05.7	04.2	094	01	13.0	13.0	065	02	08.0	07.8	287	01	04.0	04.0	013								
14.1	03	16.0	16.0	093																				
16.2	03	21.0	21.0	101																				
18.0																								
21.0																								
24.0																								
27.0																								
30.0																								
33.0																								

STATION	JHARSUGUDA								JODHPUR								LUCKNOW/AMAUSI							
TIME IN I.S.T.	0530				1730				0530*				1730*				0530*				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	02	07.5	07.4	154	05	07.6	01.8	253	24	08.5	02.2	246	28	08.7	01.9	275	26	08.8	03.4	282	25	09.1	05.6	270
12.0	02	10.5	05.6	165	05	07.6	03.8	113	23	09.0	02.1	228	25	08.4	01.5	223	25	08.9	03.2	250	26	08.6	05.1	250
14.1	02	07.5	07.6	118	02	04.0	03.5	016	19	06.2	01.7	175	17	07.4	01.1	169	23	07.5	02.4	245	25	09.0	00.4	069
16.2	02	12.0	11.6	133	01	14.0	14.0	105	09	08.4	04.1	042	10	10.5	07.4	094	14	08.5	03.2	058	19	07.1	03.9	068
18.0	01	05.0	05.0	290					03	10.7	06.3	068	05	11.2	08.9	115	05	10.2	08.2	076	09	08.5	08.3	092
21.0	01	12.0	12.0	005					02	11.5	08.1	037					01	02.0	02.0	200	01	13.0	13.0	115
24.0	01	12.0	12.0	005																				
27.0																								
30.0																								
33.0																								

STATION	MADRAS/MINAMBAKKAM												MANGALORE/BAJPE								MINICOY			
TIME IN I.S.T.	0530*				1130				1730*				0530				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	25	10.8	08.8	088	01	04.0	04.0	050	27	09.1	07.8	087	01	11.0	11.0	050	02	04.5	04.3	067	02	06.0	05.5	064
12.0	24	16.4	16.2	086					27	16.4	15.0	090	01	13.0	13.0	070	01	10.0	10.0	115	01	13.0	13.0	095
14.1	19	28.5	27.5	084					23	26.3	25.6	084	01	11.0	11.0	055	01	18.0	18.0	085				
16.2	09	31.5	30.1	091					14	30.4	21.7	095	01	20.0	20.0	100	01	23.0	23.0	100				
18.0	03	10.0	09.9	094					07	16.4	15.2	088	01	33.0	33.0	085	01	27.0	27.0	090				
21.0									01	18.0	18.0	081	01	51.0	51.0	115	01	15.0	15.0	085				
24.0																	01	06.0	06.0	130				
27.0																								
30.0																								
33.0																								

STATION	MINICOY								NAGPUR/SONEGAON								NEW DELHI/SAFDARJUNG							
TIME IN I.S.T.	1130				1730*				0530*				1730*				0530*				1130			
HT IN KM.	N	S	V	D	N	S.	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	01	08.0	08.0	270	27	10.3	08.6	070	29	08.1	01.8	094	28	10.5	04.4	092	27	10.5	06.1	297	01	08.0	08.0	300
12.0					27	16.6	15.2	071	29	08.1	03.2	080	28	11.5	05.7	087	27	10.4	05.6	287				
14.1					27	26.2	25.4	076	23	14.3	10.4	089	26	13.5	10.3	086	27	09.2	03.8	286				
16.2					25	26.6	26.0	080	17	21.5	20.2	090	21	22.0	20.7	084	21	07.5	03.7	027				
18.0					16	09.3	04.9	071	06	17.1	17.1	085	10	22.3	04.9	092	18	08.1	07.2	072				
21.0					08	06.1	03.6	084	02	12.5	12.3	102	05	14.0	01.4	084	15	12.1	11.5	091				
24.0					01	07.0	07.0	035									09	12.0	11.6	080				
27.0																	04	12.0	11.8	088				
30.0																	03	09.0	08.9	071				
33.0																								

STATION	NEW DELHI/SAFDARJUNG				PORT BLAIR								RAIPUR								RAXAUL			
TIME IN I.S.T.	1730				0530*				1730*				0530				1730				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	29	10.0	05.8	289	28	11.7	10.4	053	28	12.6	10.3	056	04	06.3	03.3	282	06	11.0	02.5	240	03	07.3	06.1	260
12.0	29	10.5	06.5	275	25	17.1	15.4	055	28	17.3	16.0	055	02	08.0	03.5	360	04	08.0	05.3	279	03	07.0	06.3	101
14.1	29	09.9	04.2	271	23	21.5	20.4	065	23	22.3	21.7	064									03	03.6	00.8	280
16.2	26	07.3	00.8	098	19	27.2	26.4	073	18	29.5	29.2	074									02	09.0	06.5	083
18.0	19	08.0	06.8	096	10	18.3	17.1	078	09	15.6	14.7	085									02	11.0	07.6	144
21.0	12	09.9	09.6	091	05	10.6	09.4	063	03	11.7	11.0	071									01	07.0	07.0	350
24.0	06	11.2	10.9	098					01	11.0	11.0	081												
27.0	02	13.0	12.7	082																				
30.0	01	13.0	13.0	094																				
33.0																								

STATION	SRINAGAR								TRIVANDRUM								UDAIPUR							
TIME IN I.S.T.	0530*				1730*				0530*				1730*				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	25	23.7	21.4	278	27	23.4	22.2	289	29	09.3	07.8	073	30	11.8	10.7	078	04	10.0	05.5	351	07	06.9	02.0	245
12.0	25	25.9	23.6	277	23	24.8	23.2	290	29	14.8	13.5	076	30	18.2	17.3	078	04	11.3	05.6	356	07	07.3	02.0	118
14.1	20	20.5	19.3	274	17	17.9	16.4	290	25	28.3	28.2	078	24	28.6	27.6	083	01	05.0	05.0	095	06	07.3	05.2	097
16.2	12	15.7	12.9	274	07	11.4	10.1	260	20	24.1	23.6	083	18	21.1	20.4	087	01	10.0	10.0	090	04	13.8	11.3	132
18.0	02	05.0	04.7	036	02	13.5	11.7	287	04	15.0	13.5	101	06	10.0	08.4	087	01	12.0	12.0	075	02	09.0	07.5	148
21.0					01	08.0	08.0	202	01	07.0	07.0	191	01	05.0	05.0	274	01	08.0	08.0	035	01	05.0	05.0	290
24.0																	01	24.0	24.0	325	01	11.0	11.0	285
27.0																					01	08.0	08.0	291
30.0																								
33.0																								

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

JUNE 1967.(JYAISTHA 11 - ASADHA 9,1889 SAKA)

STATION	VERAVAL								VIJAYWADA/GANNAVARAM								VISHAKHAPATNAM							
TIME IN I.S.T.	1730				1730				0330				1730				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	06	08.2	01.3	086	03	04.7	02.8	145	02	05.5	05.3	135	01	11.0	11.0	205	23	09.3	07.2	089	25	07.6	05.6	078
12.0					01	11.0	11.0	215	02	09.5	06.5	118					23	13.1	11.7	086	25	12.0	10.8	075
14.1																	18	15.5	14.0	088	19	16.0	14.6	080
16.2																	09	19.4	18.3	087	08	22.9	21.7	083
18.0																	01	34.0	34.0	082	04	22.0	21.8	095
21.0																	01	25.0	25.0	085	02	10.0	10.0	098
24.0																								
27.0																								
30.0																								
33.0																								

RADIOSONDE DATA.

During the month, observations of upper air temperature, pressure and humidity were made at 16 stations in India as given in the list below. For detailed description of the instruments used, a reference may be made to the I.M.D. Scientific Notes Nos. 112 and 113 (Volume IX).

LIST OF RADIOSONDE STATIONS IN INDIA

S.No.	Name of Station	Type of instrument used	Date of Starting	Hours of routine observations in GMT during the month	Remarks
1.	Ahmadabad	Fan type	20th Jul. 1961	00 and 12	
2.	Bangalore	Fan type	10th Mar. 1961	00 and 12	
3.	Bombay/Santa Cruz	Clock type	7th Sep. 1954	00 and 12	
4.	Calcutta/Dum Dum	Clock type	13th Dec. 1946	00 and 12	Fan type used from 13.12.1946 to 30.11.1947.
5.	Cochin/Ernakulam	Fan type	1st Aug. 1966	00 and 12	
6.	Gauhati	Clock type	22nd Jul. 1955	00 and 12	
7.	Jodhpur	Clock type	17th Apr. 1946	00 and 12	
8.	Lucknow	Clock type	15th Aug. 1966	00 and 12	
9.	Madras/Minambakkam	Fan type	29th Jun. 1946	00 and 12	
10.	Minicoy	Fan type	12th May. 1963	00 and 12	
11.	Nagpur/Sonegaon	Fan type	1st Oct. 1946	00 and 12	
12.	New Delhi/Safdarjung	Clock type	3rd Dec. 1943	00 and 12	
13.	Port Blair	Fan type	4th Dec. 1949	00 and 12	
14.	Srinagar	Clock type	1st Aug. 1962	00 and 12	
15.	Trivandrum	Fan type	1st Jul. 1947	00 and 12	
16.	Visakhapatnam	Fan type	8th Dec. 1946	00 and 12	

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(A) FROM ASCENTS AT 00 HRS G.M.T.
JUNE 1967. (JYAISTHA 11 - ASADHA 9, 1889 SAKA)

STANDARD PRESSURE SURFACE	AHMADABAD SURFACE PR (995 MB)						BANGALORE (907 MB)						BOMBAY/SANTACRUZ (1002 MB)					
MB	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	29	00055	300.3	304	298	296.3	30	00921	293.5	296	291	292.3	30	00013	299.7	303	297	296.8
1000	29	00016					30	00072					29	00031	299.9	303	297	296.5
900	29	00944	296.7	301	293	290.3	30	00986	293.4	296	291	291.5	29	00957	294.8	299	291	291.1
850	29	01444	295.1	299	289	285.1	30	01482	291.9	296	287	288.7	29	01453	292.4	299	288	287.1
800	29	01970	293.4	297	289	281.8	30	02003	290.2	295	284	285.9	29	01973	290.0	295	283	283.1
700	29	03107	286.1	289	281	276.3	30	03132	284.0	289	280	278.9	29	03102	284.1	289	280	279.2
600	29	04384	277.8	282	272	270.3	30	04401	275.9	279	273	273.3	29	04371	276.3	283	271	273.1
500	29	05850	269.8	274	264		30	05857	267.9	273	263		29	05831	268.4	275	262	
400	28	07585	260.4	264	257		30	07580	258.2	264	254		29	07558	259.0	266	253	
300	28	09723	246.3	251	241		30	09697	243.3	250	237		29	09685	244.5	252	239	
250	28	11017	237.3	244	232		30	10976	234.5	240	228		29	10968	235.3	243	228	
200	28	12535	226.0	233	220		30	12470	222.1	230	219		28	12462	223.1	233	214	
175	26	13406	219.1	227	210		27	13314	215.4	223	211		25	13322	216.3	225	212	
150	22	14377	212.2	219	203		27	14280	208.7	216	203		24	14284	209.7	219	205	
125	18	15528	205.8	211	195		26	15348	201.6	209	196		20	15363	202.5	210	197	
100	15	16851	199.5	204	193		25	16671	197.2	205	189		17	16682	197.8	205	193	
80	12	18161	197.9	203	192		22	18017	195.2	209	191		10	17997	200.5	210	194	
70	10	18973	200.3	205	194		20	18788	204.3	217	194		08	18734	202.7	215	197	
60	05	19860	207.8	211	205		14	19713	207.1	215	196		06	19634	205.8	208	202	
50							12	20775	209.2	216	198							
40							07	22156	212.4	219	205							
30																		
20																		
10																		

STANDARD PRESSURE SURFACE	CALCUTTA/DUM DUM SURFACE PR (999 MB)						ERNAKULAM (1007 MB)						GAUHATI (996 MB)					
MB	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00006	300.5	303	298	299.1	29	00003	298.7	301	297	296.9	30	00049	298.1	302	295	297.3
1000	30	-0004	299.8	303	298	298.7	29	00064	298.4	301	297	296.5	30	00016				
900	30	00928	297.2	308	292	292.5	29	00989	293.9	296	291	292.0	30	00937	295.7	299	291	293.0
850	30	01426	295.8	303	290	288.7	29	01483	291.0	293	289	289.4	30	01432	293.4	296	290	290.5
800	30	01955	293.1	299	287	286.1	29	02002	288.4	291	285	286.6	30	01954	290.9	295	288	288.2
700	30	03096	285.8	290	282	279.9	29	03127	282.8	285	280	279.6	30	03052	285.2	288	282	281.7
600	30	04374	277.5	287	274	272.2	29	04395	275.7	279	273	273.8	30	04362	278.8	281	275	275.1
500	30	05839	269.1	278	263		28	05850	267.8	271	264		30	05834	271.8	274	268	266.6
400	30	07573	260.6	269	257		28	07571	257.6	261	254		30	07583	262.4	266	258	
300	29	09708	246.4	251	241		28	09685	243.0	248	239		28	09744	249.3	255	243	
250	29	11002	236.9	243	230		28	10960	233.5	239	229		28	11050	240.4	245	233	
200	29	12517	225.7	233	218		27	12443	220.6	226	215		27	12585	229.4	235	222	
175	27	13394	219.1	228	211		24	13290	214.9	217	209		25	13466	223.1	229	215	
150	27	14363	212.2	219	205		24	14265	208.2	213	202		24	14465	216.4	224	209	
125	25	15479	204.3	213	199		21	15335	201.9	208	195		21	15605	209.2	217	201	
100	25	16789	198.7	208	193		20	16675	196.7	208	191		17	16980	203.7	208	198	
80	24	18073	197.3	203	189		16	17975	201.3	214	193		16	18312	203.0	207	196	
70	21	18830	199.9	204	191		14	18782	204.9	210	197		13	19159	205.9	212	202	
60	14	19753	203.9	213	192		12	19707	208.6	215	201		08	20075	211.4	219	207	
50	08	20797	206.4	214	201		12	20829	212.7	220	206		06	21161	217.0	220	215	
40							08	22247	218.3	222	209							
30							05	24051	221.2	224	217							
20																		
10																		

STANDARD PRESSURE SURFACE	JODHPUR SURFACE PR (972 MB)						LUCKNOW/AMAUSI (983 MB)						MADRAS/MINAMBAKKAM (1002 MB)					
MB	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00217	302.1	307	298	294.4	30	00127	303.3	308	298	291.6	30	00015	301.0	305	297	296.5
1000	29	-0033					30	-0025					30	00033	300.9	304	297	296.3
900	29	00900	299.2	304	297	288.8	27	00913	302.8	309	297	285.0	30	00959	296.9	301	291	290.5
850	29	01402	298.0	303	293	283.1	27	01420	299.9	306	295	280.4	30	01456	294.3	298	286	287.3
800	29	01930	294.8	301	289	280.3	27	01953	296.1	302	292	280.4	30	01979	291.0	296	281	284.1
700	29	03071	286.8	291	281	272.8	27	03096	287.0	291	282	274.6	30	03106	284.0	289	277	278.1
600	29	04347	277.4	281	273	264.6	27	04371	277.3	282	271	267.2	30	04373	275.8	280	273	271.3
500	29	05807	269.2	273	265		27	05834	270.1	274	264	257.0	30	05827	267.8	271	265	
400	28	07543	260.4	265	255		27	07573	260.8	268	255		29	07550	258.2	263	254	
300	28	09648	246.7	250	240		27	09720	247.3	251	241		26	09658	242.9	251	235	
250	26	10978	237.3	245	233		26	11016	238.2	242	233		25	10938	233.8	240	231	
200	25	12494	226.4	232	221		25	12535	226.9	231	220		24	12433	221.8	225	219	
175	23	13363	219.9	225	215		25	13432	220.6	225	212		22	13285	215.1	221	209	
150	20	14357	213.1	220	209		25	14390	213.5	219	205		18	14241	208.3	217	203	
125	16	15465	205.6	210	198		24	15518	206.5	214	198		16	15343	202.8	211	196	
100	14	16797	201.1	206	199		19	16816	200.8	208	194		11	16676	198.3	206	191	
80	11	18085	201.9	208	195		16	18125	202.9	216	195		06	17911	203.0	208	198	
70	09	18892	205.4	211	200		10	18889	206.5	215	197							
60	07	19821	206.8	214	200		08	19826	211.4	217	202							
50	06	20944	213.5	223	206													
40																		
30																		
20																		
10																		

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT,TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(A) FROM ASCENTS AT 00 HRS G.M.T.
JUNE 1967.(JYAISTHA 11 - ASADHA 9,1889 SAKA)

STANDARD PRESSURE SURFACE MB	NAGPUR/SONEGAON SURFACE PR (966 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NEW DELHI/SAFDARJUNG (974 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	PORT BLAIR (997 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00311	300.7	308	297	293.4	30	00209	303.6	307	299	290.0	30	00079	298.8	301	296	297.3
1000	30	00003					30	-0028					30	00056				
900	30	00940	298.7	306	294	290.1	30	00913	303.1	307	296	285.5	30	00974	293.7	296	292	292.1
850	30	01442	296.4	302	291	288.1	30	01420	300.1	305	293	283.2	30	01466	291.4	296	288	288.9
800	30	01969	290.1	297	289	285.3	30	01951	296.2	300	291	281.2	30	01983	288.7	292	283	285.1
700	30	03107	285.1	289	279	279.2	30	03095	287.0	294	283	275.0	30	03103	280.1	286	278	279.7
600	30	04381	276.8	284	270	272.8	30	04372	276.8	282	272	267.1	30	04363	275.3	279	272	273.2
500	30	05842	269.1	275	261		30	05828	268.4	275	263		29	05815	268.2	272	264	
400	30	07571	260.1	267	255		29	07561	260.3	264	253		28	07536	255.6	263	255	
300	28	09707	246.0	252	239		28	09699	246.2	251	241		28	09652	244.0	250	239	
250	28	10997	236.2	240	229		26	10997	237.9	243	232		28	10929	235.0	239	229	
200	28	12505	224.6	229	218		26	12519	227.3	233	221		29	12419	223.3	229	217	
175	23	13385	218.8	225	214		26	13397	221.3	229	214		24	13282	216.7	223	210	
150	23	14369	211.6	219	205		26	14381	214.8	222	207		21	14398	209.4	217	202	
125	19	15474	206.2	213	201		25	15508	208.3	215	201		21	15373	203.0	208	195	
100	15	16829	201.5	207	193		25	16848	202.8	213	195		16	16720	200.4	210	194	
80	10	18192	203.3	216	193		19	18205	203.0	218	196		12	18032	204.7	214	200	
70	08	18969	203.0	211	194		18	18970	205.3	211	197		07	18784	208.3	213	204	
60	05	19861	210.4	219	199		17	19927	209.3	216	197		05	19775	212.8	223	208	
50							15	21043	214.5	223	199							
40							15	22448	218.8	226	200							
30							09	24318	222.3	230	210							
20							06	25664	227.2	234	221							
10																		

STANDARD PRESSURE SURFACE MB	SRINAGAR SURFACE PR (835 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	TRIVANDRUM (1000 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	VISHAKHAPATNAM (996 MB) NO CF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	28	01588	289.0	296	285	287.0	30	00064	298.2	301	296	296.0	30	00041	301.5	305	299	297.6
1000	28	00041					30	00065	298.1	301	296	296.1	30	00005				
900	28	00957					30	00989	293.5	295	291	291.2	29	00938	297.8	306	292	291.7
850	28	01445					30	01483	291.1	295	288	288.3	29	01439	296.0	303	290	288.5
800	28	01993	288.0	294	283	284.0	30	02001	288.3	291	285	284.9	29	01961	292.2	298	287	286.7
700	28	03087	284.0	289	277	277.0	30	03125	283.1	287	279	278.5	29	03098	284.0	290	280	281.3
600	28	04352	272.0	280	268	270.0	30	04393	275.9	280	270	270.9	29	04372	276.6	280	271	274.3
500	28	05795	265.0	279	259		29	05848	267.7	271	264		29	05832	268.5	273	264	
400	28	07429	256.0	264	249		29	07567	257.1	259	253		28	07559	258.6	263	254	
300	28	09603	244.0	251	238		29	09676	242.5	249	237		28	09692	244.4	252	239	
250	28	10889	236.0	241	231		29	10923	232.7	237	227		27	10976	236.0	242	231	
200	26	12337	227.0	232	222		29	12424	220.2	224	215		27	12482	223.8	230	219	
175	26	13293	222.0	226	217		27	13249	213.8	219	207		26	13321	217.5	226	213	
150	24	14283	215.0	221	207		26	14224	207.0	214	201		25	14314	211.2	222	205	
125	20	15408	218.0	219	201		23	15295	201.6	207	196		24	15407	205.5	215	199	
100	17	16740	204.0	217	199		22	16620	197.5	204	189		21	16747	199.3	206	192	
80	12	18038	204.0	209	200		12	17931	201.1	206	197		13	18070	200.1	207	195	
70	08	18856	207.0	217	202		08	18683	204.5	211	199		12	18877	204.0	209	200	
60	07	19797	210.0	213	207								09	19818	208.0	214	201	
50	05	20890	214.0	219	211								07	20879	211.7	218	203	
40																		
30																		
20																		
10																		

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(B) FROM ASCENTS AT 12 HRS G.M.T.
JUNE 1967.(JYAISTHA 11 - ASADHA 9,1889 SAKA).

STANDARD PRESSURE SURFACE MB	AHMADABAD SURFACE PR (993 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BANGALORE (905 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BOMBAY/SANTACRUZ (1001 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00055	308.7	314	299	295.2	30	00921	301.6	308	295	291.2	30	00013	302.1	306	298	297.3
1000	30	00010					30	00034					30	00024	302.8	305	298	297.1
900	30	00937	302.3	308	292	288.4	30	00975	300.9	306	294	290.8	30	00954	296.1	301	292	291.0
850	30	01443	298.3	305	294	286.5	30	01443	296.0	300	291	289.0	30	01451	293.6	298	290	287.2
800	30	01972	294.7	299	288	283.9	30	02056	291.2	295	287	287.0	30	01975	291.3	296	288	285.1
700	30	03114	287.3	292	280	276.4	30	03132	283.9	288	279	279.9	30	03108	285.5	289	282	279.1
600	30	04398	279.4	283	273	269.3	30	04504	276.5	281	269	272.9	30	04385	277.7	282	273	273.5
500	30	05873	271.2	277	266	267.0	30	05866	269.7	277	261		30	05853	270.5	275	266	
400	29	07626	262.0	267	259		30	07597	259.0	263	249		29	07596	260.8	265	256	
300	28	09782	247.7	253	243		29	09734	245.0	248	233		29	09739	246.3	251	241	
250	28	11081	238.3	243	233		29	11038	236.2	240	229		29	11032	237.1	243	230	
200	28	12600	226.3	230	219		28	12532	224.0	229	219		28	12539	224.2	230	217	
175	26	13475	219.6	223	213		24	13378	217.5	222	211		27	13410	218.1	224	209	
150	25	14453	212.8	219	205		24	14375	211.4	217	207		25	14382	211.1	215	202	
125	21	15595	204.6	213	193		23	15417	206.2	212	198		24	15497	204.4	209	195	
100	12	16928	199.3	207	194		23	16819	201.7	209	190		21	16779	198.5	206	193	
80	12	18228	199.0	204	193		19	18158	203.7	208	194		13	18101	198.1	203	190	
70	07	19092	203.3	213	194		17	18936	206.0	217	194		08	18922	201.3	205	192	
60							13	19894	211.0	219	202		06	19821	207.0	212	201	
50							11	21025	213.8	219	206		05	20980	214.4	219	210	
40							06	22366	215.8	222	208							
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	CALCUTTA/DUM DUM SURFACE PR (997 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	ERNAKULAM (1006 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	GAUHATI (994 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00006	304.3	309	297	299.9	30	00003	301.6	304	298	297.5	30	00049	302.3	306	297	294.8
1000	30	-0021					30	00055	301.3	304	298	297.1	30	-0008				
900	30	00919	299.2	307	294	294.7	30	00983	294.5	297	291	292.5	30	00922	297.3	302	292	293.9
850	30	01423	297.3	305	293	289.6	30	01478	292.0	295	290	289.5	30	01420	294.9	298	290	291.2
800	30	01952	294.2	301	290	286.5	30	01999	289.1	292	285	286.8	30	01943	292.1	295	288	288.4
700	30	03096	287.0	290	283	279.9	30	03124	283.4	287	280	279.7	30	03079	284.3	289	283	281.3
600	30	04379	278.5	283	275	271.8	30	04397	276.4	281	273	274.0	29	04361	279.9	282	276	273.9
500	30	05854	270.9	275	265	262.2	30	05853	268.9	273	265		29	05839	272.7	279	268	265.5
400	30	07598	261.5	266	259		30	07580	258.1	262	254		29	07592	263.1	268	259	
300	29	09747	247.5	253	243		30	09699	243.4	248	239		29	09747	250.0	256	245	
250	29	11045	237.7	244	232		30	10978	233.7	239	230		28	11030	240.2	246	235	
200	29	12564	225.6	231	219		30	12469	221.5	225	217		28	12600	229.2	237	224	
175	29	13433	218.6	225	211		28	13309	215.5	221	209		26	13480	222.8	231	219	
150	29	14405	211.1	221	203		28	14285	208.8	215	200		25	14474	215.5	223	207	
125	28	15513	204.0	209	197		27	15357	203.2	211	191		24	15615	208.8	214	199	
100	28	16831	197.5	207	189		26	16709	199.0	208	193		21	16928	202.6	209	197	
80	24	18100	196.7	207	190		23	18029	203.5	211	196		14	18257	200.2	205	195	
70	23	18884	200.8	209	192		23	18839	207.1	215	201		13	19058	201.8	209	193	
60	16	19781	207.3	219	196		20	19745	209.0	214	205		10	19931	203.5	211	196	
50	12	20871	212.8	223	203		19	20866	212.4	218	207		07	21028	207.8	215	198	
40	09	22325	218.3	221	215		11	22256	215.2	221	210							
30							06	24035	218.7	222	214							
20																		
10																		

STANDARD PRESSURE SURFACE MB	JODHPUR SURFACE PR (970 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	LUCKNOW/AMAUSI (981 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	MADRAS/MINAMBAKKAM (1000 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00217	310.0	312	306	292.1	29	00127	311.7	317	302	290.9	30	00015	305.8	310	300	290.9
1000	29	-0058					28	-0050					30	00016	305.3	310	300	297.4
900	29	00897	305.5	309	302	288.4	28	00909	306.5	313	300	286.0	30	00954	299.3	306	293	291.8
850	29	01405	301.2	305	297	285.7	28	01421	302.5	308	297	283.3	30	01455	295.7	301	288	289.4
800	29	01937	297.1	300	292	282.9	28	01962	297.8	303	291	282.6	30	01979	291.7	300	286	286.7
700	29	03085	288.6	293	284	273.6	28	03108	288.8	292	283	274.8	30	03110	284.6	292	281	278.9
600	29	04369	279.3	283	276	261.0	28	04392	279.3	283	273	266.6	30	04381	276.7	281	274	271.7
500	29	05839	271.3	277	266	255.9	28	05860	270.5	275	260		30	05839	269.3	273	265	
400	29	07587	262.2	266	258		28	07604	261.7	265	257		30	07567	258.6	262	253	
300	29	09737	247.3	251	242		28	09760	248.3	253	242		28	09685	243.5	248	237	
250	29	11037	238.5	243	233		28	11065	239.3	244	234		27	10962	233.6	239	227	
200	28	12567	227.5	235	221		27	12594	228.3	234	221		27	12446	221.4	229	216	
175	27	13446	221.0	226	214		27	13480	221.7	228	215		25	13299	214.9	223	210	
150	23	14441	213.7	218	207		26	14462	214.6	221	207		25	14265	207.7	216	200	
125	18	15557	208.2	217	201		24	15598	206.8	215	199		21	15324	201.5	209	194	
100	15	16903	202.1	207	198		24	16928	201.0	212	193		16	16645	196.9	203	190	
80	09	18240	201.7	213	196		19	18207	201.3	211	196		11	17898	200.0	210	193	
70	08	19050	204.7	217	198		16	16964	203.8	214	196		08	18695	202.5	209	193	
60	07	19970	209.2	223	206		11	19906	209.1	219	199		07	19599	205.9	214	197	
50													05	20673	209.0	212	200	
40																		
30																		
20																		
10																		

RADIO SONDE DATA
TABLE VI—MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(B) FROM ASCENTS AT 12 HRS G.M.T.
JUNE 1967.(JYAISTHA 11 - ASADHA 9,1889 SAKA)

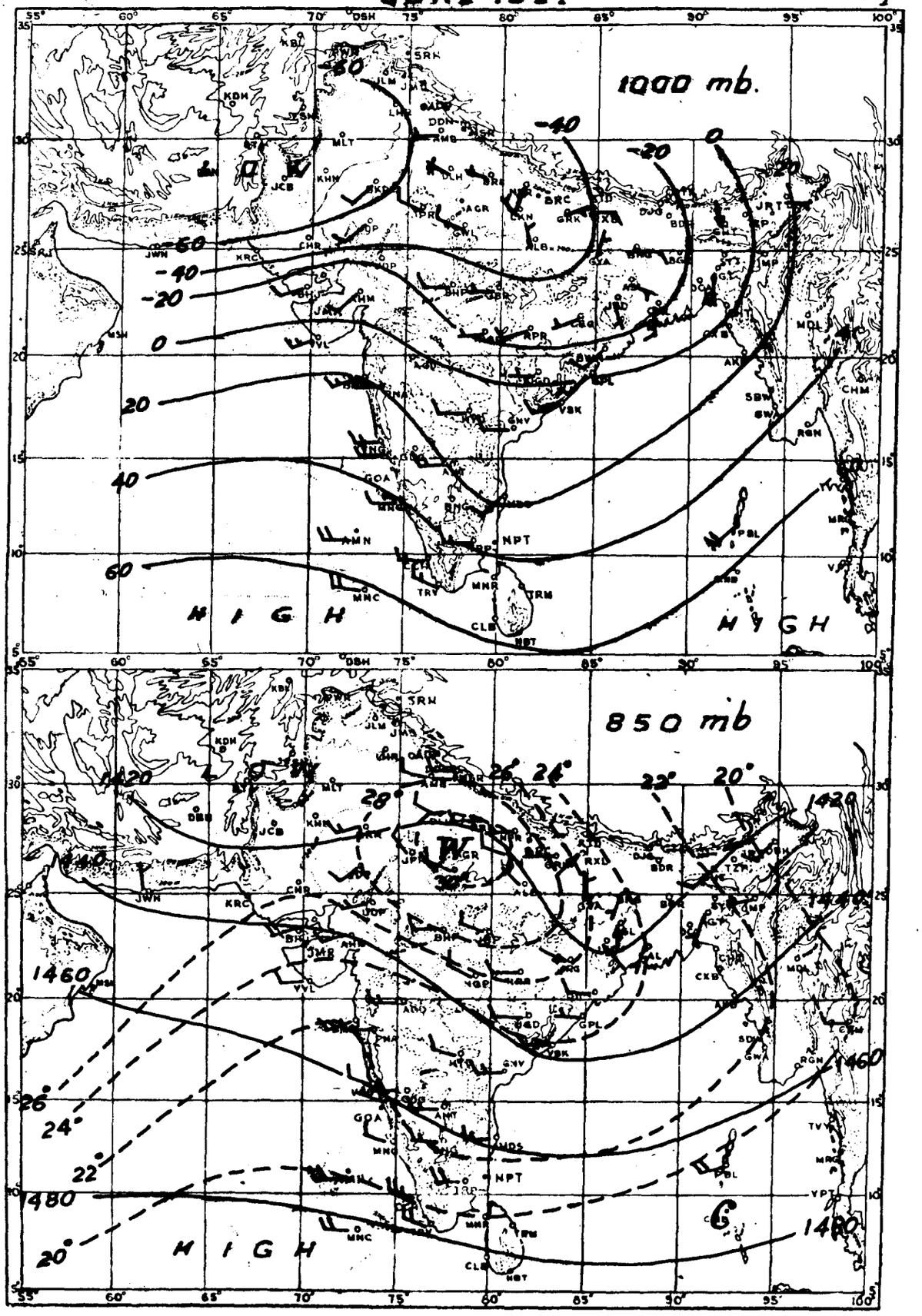
STANDARD PRESSURE SURFACE MB	MINICOY SURFACE PR (1007 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NAGPUR/SONEGAON (963 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NEW DELHI/SAFDARJUNG (972 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00002	301.4	304	299	297.9	30	00316	307.5	316	297	294.1	30	00209	310.8	315	301	290.3
1000	30	00062	300.8	303	299	297.1	30	-0025					30	-0053				
900	30	00985	294.4	297	293	291.7	29	00928	302.4	311	295	292.4	30	00905	306.5	312	298	285.9
850	30	01479	291.8	293	289	288.8	29	01405	298.4	305	291	290.9	30	01417	302.5	307	295	284.0
800	30	01998	289.1	291	287	285.7	29	01966	294.2	301	289	288.0	30	01953	298.4	303	293	282.5
700	30	03122	283.1	287	279	279.6	29	03107	285.7	291	282	281.7	30	03104	288.7	293	283	276.5
600	30	04387	276.2	281	273	273.2	29	04384	277.2	283	273	274.4	30	04388	278.6	284	274	268.2
500	30	05845	268.4	273	265		29	05846	269.1	275	264		29	05853	269.9	276	265	
400	29	07569	258.4	262	256		28	07583	259.6	266	255		29	07593	261.3	268	256	
300	29	09686	244.2	249	241		28	09707	244.9	251	241		29	09740	247.1	253	240	
250	29	11096	234.9	240	230		28	10990	235.5	241	229		29	11037	237.9	245	233	
200	28	12463	222.4	231	215		28	12495	224.0	230	215		28	12556	227.6	235	221	
175	28	13303	215.4	225	206		25	13348	217.1	223	210		27	13442	221.6	228	215	
150	27	14276	208.6	214	201		25	14315	210.5	215	206		26	14424	215.5	222	207	
125	27	15359	202.1	207	197		22	15399	204.2	210	196		24	15563	209.0	216	198	
100	25	16691	199.3	207	193		18	16736	198.9	206	191		22	16899	205.0	209	192	
80	22	18000	204.0	212	194		09	18084	200.6	207	196		20	18377	201.0	208	190	
70	18	18790	206.6	214	198		07	18873	202.9	212	198		17	19001	204.3	209	195	
60	13	19681	208.5	213	200		06	19793	208.0	216	203		15	19933	208.8	216	199	
50	08	20779	210.9	217	202		06	20878	210.7	217	206		12	21112	215.6	221	207	
40	05	22148	212.2	219	206								09	22578	221.4	228	215	
30													05	24460	226.2	230	221	
20																		
10																		

STANDARD PRESSURE SURFACE MB	PORT BLAIR SURFACE PR (997 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	SRINAGAR (834 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	TRIVENDRUM (999 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00079	300.1	302	296	297.7	29	01588	300.5	305	286	288.8	30	00064	300.9	304	298	297.0
1000	30	00050					29	-0048					30	00056	301.4	304	298	296.7
900	30	00970	294.3	297	293	291.8	29	00909					30	00987	294.3	297	292	291.8
850	30	01463	291.5	294	287	287.9	29	01420					30	01480	291.9	295	288	289.0
800	30	01980	288.8	293	285	285.1	29	01951	298.2	305	282	283.7	30	02001	289.2	293	285	285.6
700	30	03100	282.7	285	281	278.4	29	03116	289.5	297	276	275.0	30	03128	283.5	287	279	279.0
600	30	04361	275.2	280	272	272.1	29	04400	280.0	285	270	268.0	30	04405	277.3	282	273	272.4
500	30	05815	268.2	272	261		29	05860	268.0	273	260		30	05865	268.6	272	263	
400	29	07538	260.6	262	255		29	07584	259.0	267	249		30	07589	258.0	264	255	
300	28	09674	243.5	249	239		29	09716	246.0	254	237		30	09708	243.2	251	240	
250	28	10873	234.6	241	229		28	11020	238.0	244	232		30	11019	234.2	241	230	
200	28	12424	222.5	228	217		27	12547	228.0	233	224		30	12477	222.1	228	216	
175	24	13285	216.8	221	212		26	13430	222.0	228	213		24	13306	215.3	221	210	
150	22	14243	209.5	216	203		25	14431	216.0	223	207		24	14289	209.0	215	202	
125	19	15350	202.8	208	196		23	15554	210.0	222	204		23	15364	202.9	207	198	
100	17	16676	199.4	209	193		23	16904	207.0	220	201		22	16708	199.8	208	192	
80	12	17983	203.3	212	197		14	18157	207.0	213	201		17	18027	203.9	213	197	
70	10	18999	206.6	214	199		13	18953	210.0	215	204		15	18850	207.5	218	200	
60	07	19780	209.0	216	199		10	19898	213.0	220	208		07	19733	209.4	215	206	
50	07	20906	212.9	223	199		09	21037	217.0	223	208							
40	05	22342	216.8	219	215		05	22477	222.0	227	215							
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	VISAKHAPATNAM SURFACE PR (995 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00041	303.8	311	299	298.6												
1000	30	00006																
900	30	00932	299.5	307	295	292.5												
850	30	01436	297.0	304	292	289.8												
800	30	01963	293.2	300	287	287.3												
700	30	03101	285.6	289	282	281.0												
600	30	04379	277.5	281	275	273.9												
500	30	05844	269.2	272	264													
400	29	07575	259.7	265	251													
300	29	09712	245.7	253	237													
250	28	11004	236.6	244	227													
200	28	12512	224.3	231	214													
175	27	13359	218.1	225	207													
150	25	14342	211.0	218	198													
125	22	15438	204.5	213	191													
100	17	16757	199.0	210	191													
80	10	18010	198.2	206	192													
70	08	18809	200.3	209	194													
60																		
50																		
40																		
30																		
20																		
10																		

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I. Met. D. **JUNE 1967** *Plate I*



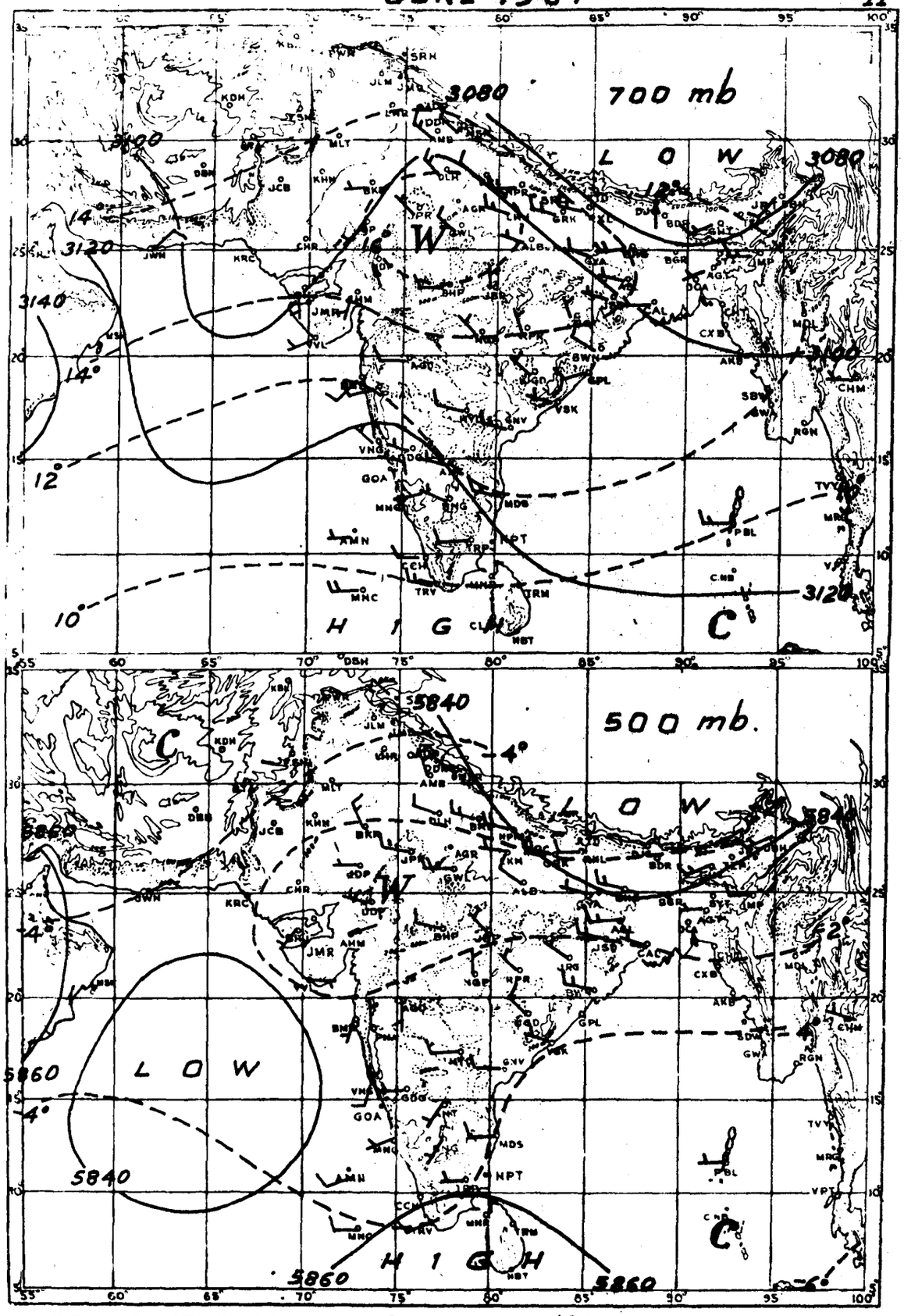
RESULTANT WIND: 5 Knots 10 Knots 50 Knots

----Isotherms in degrees Celsius;—— Contours in geopotential metres

MONTHLY MEAN CONSTANT PRESSURE CHARTS

JUNE 1967

Plate II



RESULTANT WIND: 5 Knots 10 Knots 50 Knots

----Isotherms in degrees Celsius; —— Contours in geopotential metres

QC
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1967

भारत सरकार

GOVERNMENT OF INDIA

मौसम विज्ञान विभाग

METEOROLOGICAL DEPARTMENT

भारतीय मौसम पुनरीक्षण

INDIA WEATHER REVIEW

1967

मासिक मौसम रिपोर्ट

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INDIA WEATHER REVIEW, 1967

Monthly Weather Report

JULY

MONTHLY WEATHER REPORT

FOR

JULY - 1967

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MEANING OF SYMBOLS AND ABBREVIATIONS IN TABLES II and III

Symbol/Abbreviation	Meaning
(a)	Mean/total for 30 days.
(b)	Mean/total for 29 days.
(c)	Mean/total for 28 days.
(d)	Mean/total for 27 days.
(e)	Mean/total for 26 days.
(f)	Mean/total for 25 days.
(g)	Mean/total for 24 days.
(h)	Mean/total for 23 days.
(i)	Mean/total for 22 days.
(j)	Mean/total for 21 days.
(k)	Mean/total for 20 days.
(l)	Mean/total for 19 days.
(m)	Mean/total for 18 days.
(n)	Mean/total for 17 days.
(o)	Mean/total fof 16 days.
(p)	Mean/total for 15 days.
(q)	Mean/total for 14 days.
*	Closed during winter months.
(R)	Register not received, hence data not available.
#	Data for less than 15 days, hence no means published.
ds	Days.
●	Data rejected.
D.N.	Data not available.
E	Estimated.
H	Provisional height.

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ief features :

i) Further advance of the monsoon to cover the entire country by 2nd;

ii) Sustained monsoon activity except during the second week when weak monsoon conditions prevailed ver most parts of the country;

iii) A spell of heavy rains leading to floods in Assam, Sub-Himalayan West Bengal and north Bihar iring the second week;

iv) Formation and movement of a Bay deep depression causing floods in Maharashtra and Gujarat States iring the last week;

id v) Development of another deep depression over the north Bay at the end of the month.

The monsoon advanced progressively into the remaining parts of northwest India and covered the entire ountry by 22nd.

The low pressure area which was lying over northeast Orissa and adjoining Gangetic West Bengal and ihar Plateau at the end of the last month moved very slowly to northeast Madhya Pradesh where it became iimportant by 4th. A trough of low pressure developing over Saurashtra and Kutch towards the end of last onth also became well marked, and persisted there as a low pressure area from 2nd to 5th. Later it shifted orthwards and merged into the seasonal low by 6th. An upper air cyclonic circulation lying over the Punjab id adjoining parts of West Pakistan on 5th moved away eastwards across the Western Himalayas by 7th. In ssociation with these developments, there was sustained and well distributed rainfall over most parts of the ountry during the first week. The monsoon was also active or vigorous over east Madhya Pradesh, Saurashtra id Kutch, west coast, Uttar Pradesh and northwest India on a few days. Dwarka recorded an exceptionally eavy fall of 27 cm of rain on 3rd and 17 cm on 4th. Some of the other noteworthing amounts of rainfall reported were: Dehra Dun 13 cm and Dharmsala 10 cm on 1st, Bhira 15 cm and Kutch, Hardoi and Mahabaleshwar 10 cm ach on 2nd, Jamnagar, Bhuj and Jashpurnagar 10 cm each on 3rd, Bhira 15 cm, Mercara 13 cm, Mahabaleshwar 12 cm id Alwar 10 cm on 4th, Fort Cochin 17 cm, Diu, Okha and Ludhaiana 14 cm each, Karnal 13 cm, Aligarh 12 cm, atiala 11 cm and Patna and Calicut 10 cm each on 5th and Jammu 12 cm and Satna 10 cm on 6th.

The monsoon trough shifted northwards and its axis lay close to the foot of the Himalayas during second eek and consequently there was good monsoon rainfall along the foot of the Himalayas and adjoining plains. ome of the very heavy rainfalls recorded were: Pasighat 15 cm on 6th, Raxiya 28 cm, Agartala 17 cm and Tezu NEFA) 16 cm on 7th, Tangla 28 cm, Majbat 18 cm, Kalimpong 17 cm and Darjeeling 16 cm on 8th, Cooch Behar 36 cm ainital 25 cm and Jalpaiguri 15 cm on 9th, Baghdogra 23 cm, Nainital 17 cm and Dharmpur 15 cm on 10th and ainital 16 cm on 11th. According to press reports, the Brahmaputra and its tributaries in north Assam and ost of the rivers in north Bengal and north Bihar rose in spate and crossed the danger marks inundating low ying areas and causing damage to standing crops. Road and rail communications in north Assam and north Bengal ere also cut off, The monsoon was weak over the rest of the country outside the west coast where it was normal. angalore recorded 16 cm of rain and Fort Cochin 13 cm on 12th. An upper air trough extending from Uttar Pradesh the Laccadives State persisted from 14th to 17th causing an increase in the rainfall activity over the Peninsula, entral parts of the country and Uttar Pradesh.

The monsoon trough shifted appreciably southwards by 17th. An upper air cyclonic circulation also eveloped over southeast Madhya Pradesh and adjoining Orissa on 18th. It shifted westwards to Gujarat State 21st and persisted thereafter till 27th over north Gujarat State and adjoining Rajasthan and West Pakistan. the meanwhile another upper air cyclonic circulation developed over east Madhya Pradesh on 21st. It shifid slowly eastwards and a low pressure area formed over the northwest Bay of Bengal on 25th. It concentrated ito a depression by the morning of 26th with centre about 150 kms southeast of Balasore. Later it intensified ito a deep depression and moving westnorthwestwards crossed the north Orissa coast near Chandbali the same

night and weakened into a depression. It moved fast during the next 24 hours and was centred near Chhindwara on the morning of 28th. Later it took a northwesterly course and further weakened into a low pressure area by 30th. It finally merged into the seasonal low over Rajasthan by the next day. A low pressure wave moved westwards across central Burma on 29th and under its influence a low pressure area formed over the north Bay on 30th. It itensified into a depression by the next morning with centre near Lat. 19°N and Long. 90°E and into a deep depression by the same evening centred near Lat.19.5°N and Long.88.5°E. In association with these developments, the monsoon activity revived generally over the country at the beginning of the third week and the activity was evenly maintained thereafter. The monsoon was also vigorous or strong over the north Peninsula and Gujarat State during the later part of the third week and again during the last four days of the month. The rainfall over northeast India however, decreased and was sub-normal during this period. Some of the noteworthy amounts of rainfall recorded were: Baghdogra 18 cm, Devgarh 19 cm, Karwar 16 cm and Ratnagiri 15 cm on 18th, Devgarh 21 cm on 19th, Ratnagiri 17 cm on 20th, Bhira and Gannavaram 15 cm each on 22nd, Honavar and Goa 17 cm each on 23rd, Mahabaleshwar 21 cm, Bhira 17 cm and Goa 15 cm on 24th, Mahabaleshwar and Kandla Kutch 19 cm each and Abu 15 cm on 25th, Chandrapur 16 cm and Mahabaleshwar 15 cm on 26th, Bhira 35 cm, Mahabaleshwar 31 cm and Khandala 25 cm on 27th,Mahabaleshwar 28 cm, Khandala 26 cm and Bhira 25 cm on 28th,Bhira 43 cm, Khandala 40 cm, Ahmedabad 32 cm, Mahabaleshwar 23 cm, Dohad 22 cm, Bombay (Santacrus) 20 cm and Bombay (Colaba) 18 cm on 29th and Mahabaleshwar 21 cm and Mahbubnagar 20 cm on 30th. According to press reports, the continuous heavy rains that occurred during the last week over Maharashtra and Gujarat States led to the flooding of most of the rivers and low lying areas in these states and caused disruption of road and rail communications. Normal life in many places like Ahmedabad, Bombay, Kalyan etc was also paralysed due to the floods.

The total rainfall for the month was in large excess over Saurashtra and Rayalaseema, in moderate excess over Madhya Maharashtra, Coastal Andhra Pradesh, Telangana, Interior Mysore and Kerala, and in slight excess over Sub-Himalayan West Bengal, Gujarat, Konkan, Madras, Coastal Mysore and the Arabian Sea Islands and normal over Bay Islands, Assam, Bihar Plains, West Uttar Pradesh, Haryana, Punjab, Himachal Pradesh, West Rajasthan, East Madhya Pradesh,Marathwada and Vidarbha. It was in slight defect over Orissa, Bihar Plateau, East Uttar Pradesh, Jammu and Kashmir and East Rajasthan. It was moderate defect over Gangetic West Bengal and West Madhya Pradesh.

The mean maximum temperature was above normal in Orissa and Bihar Plateau and normal over the rest of the country.

The mean minimum temperature was below normal in Bay Islands, Telangana and normal over the rest of the country.

The mean Relative Humidity in the morning was above normal in Himachal Pradesh and Rayalaseema and normal over the rest of the country.

The mean Relative Humidity in the evening was above normal in Rayalaseema and South Interior Mysore, below normal in Jammu and Kashmir, West Madhya Pradesh and Marathwada. It was normal over the rest of the country.

The mean cloud amount in the morning was normal all over the country.

The mean cloud amount in the evening was below normal in Jammu and Kashmir and normal over the rest of the country.

Table I contains the divisional and sub-divisional means of rainfall, temperature, humidity and cloud amount for the 17 chief political divisions and the 33 sub-divisions. The stations whose observations are used for preparing these means are given in the subsequent tables.

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

POONA - 5.

10th August, 1967

R. ANANTHAKRISHNAN

for Director General of Observatories.

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS - JULY ,1967ASADHA 10 - SRAVANA 9,1889 SAKA)

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1.ASSAM(INCLUDING.	457.2	108	31.3	23.9	87	81	6.8	6.0
NEFA,N.L.ETC) .	+ 33.4		-0.3	-0.6	+ 1	0	0.0	0.0
2.WEST BENGAL .	379.3	92	32.3	25.1	84	81	6.2	5.9
.	- 33.4		+0.7	-0.6	- 1	- 1	-0.5	-0.5
3.ORISSA .	318.8	88	31.7	24.1	84	80	6.3	6.4
.	- 43.7		+1.1	-0.7	0	- 2	-0.5	-0.6
4.BIHAR .	276.3	84	33.0	24.7	81	76	6.2	6.2
.	- 51.3		+1.2	-0.7	- 3	- 3	-0.4	-0.3
5.UTTAR PRADESH :	307.5	95	33.3	25.0	81	71	5.8	5.8
.	- 17.7		+0.2	-0.7	- 1	- 2	0.0	+0.3
6.HARYANA(INCLU. .	208.2	103	34.4	25.8	79	64	4.7	3.9
DELHI CHANDIGARH).	+ 5.9		-0.9	-0.3	+ 3	+ 3	+0.3	-0.1
7.PUNJAB .	207.5	99	35.3	25.8	77	62	4.4	4.2
.	- 2.3		-0.7	-0.6	+ 3	+ 3	+0.4	+0.5
8.HIMACHAL .	540.8	110	31.0	22.1	92	74	6.8	5.4
PRADESH .	+ 47.1		-0.9	-0.9	+ 6	+ 3	+0.6	-0.3
9.JAMMU AND .	78.0	76	28.9	15.5	71	35	4.5	2.9
KASHMIR .	- 25.2		+0.8	-0.8	+ 4	- 7	+0.3	-0.8
SUB-DIVISION								
SUB-DIVISION								
1.BAY ISLANDS .	421.6	110	29.5	23.4	86	86	6.6	6.5
.	+ 36.8		+0.1	-1.1	+ 2	0	+0.1	0.0
2.NORTH ASSAM .	455.5	108	31.6	24.2	88	80	6.7	5.7
(INCLUDING NEFA) .	+ 33.1		-0.5	-0.7	+ 2	0	-0.1	-0.1
3.SOUTH ASSAM .	461.1	108	30.6	23.1	86	82	7.0	6.5
(INCL.N.LAND ETC).	+ 33.7		+0.1	-0.3	+ 1	0	+0.2	0.0
4.SUB-HIMALAYAN .	783.6	118	31.6	25.0	86	79	6.2	5.4
WEST BENGAL .	+117.9		+0.4	-0.3	0	- 2	-0.7	-0.7
5.GANGETIC WEST- .	244.5	74	32.6	25.1	83	81	6.2	6.1
BENGAL .	- 83.9		+0.8	-0.8	- 1	- 1	-0.4	-0.5
6.ORISSA .	318.8	88	31.7	24.1	84	80	6.3	6.4
.	- 43.7		+1.1	-0.7	0	- 2	-0.5	-0.6
7.BIHAR PLATEAU .	264.0	76	32.4	23.8	81	77	6.3	6.8
.	- 82.4		+1.4	-0.8	- 3	- 3	-0.5	-0.2
8.BIHAR PLAINS .	286.3	92	33.5	25.7	82	76	6.1	5.8
.	- 25.9		+0.9	-0.5	- 2	- 1	-0.3	-0.3
9.UTTAR PRADESH .	269.4	83	33.7	25.6	80	72	5.9	5.9
(EAST) .	- 55.0		+0.3	-0.7	- 3	- 2	-0.1	+0.3
10.UTTAR PRADESH .	358.4	110	32.7	24.4	81	70	5.5	5.8
(WEST) .	+ 32.2		-0.1	-0.5	0	- 1	0.0	+0.4
11.HARYANA(INCLU. .	208.2	103	34.4	25.8	79	64	4.7	3.9
DELHI CHANDIGARH).	+ 5.9		-0.9	-0.3	+ 3	+ 3	+0.3	-0.1
12.PUNJAB .	207.5	99	35.3	25.8	77	62	4.4	4.2
.	- 2.3		-0.7	-0.6	+ 3	+ 3	+0.4	+0.5
13.HIMACHAL .	540.8	110	31.0	22.1	92	74	6.8	5.4
PRADESH .	+ 47.1		-0.9	-0.9	+ 6	+ 3	+0.6	-0.3
14.JAMMU AND KASH- .	78.0	76	28.9	15.5	71	35	4.5	2.9
-MIR .	- 25.2		+0.8	-0.8	+ 4	- 7	+0.3	-0.8
15.RAJASTHAN(WEST).	107.8	105	37.1	27.0	73	51	4.1	4.6
.	+ 5.0		+0.4	0.0	- 1	- 2	-0.2	+0.2
16.RAJASTHAN(EAST).	177.8	84	34.4	25.5	77	63	4.9	5.2
.	- 33.7		+0.4	-0.5	+ 1	- 1	-0.5	-0.6
17.MADHYA PRADESH .	239.3	67	31.7	23.9	83	68	6.6	6.7
(WEST) .	-117.6		+1.0	+0.1	- 2	- 6	-0.2	-0.2

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
10.RAJASTHAN .	144.6	90	35.7	26.3	75	57	4.5	4.9
.	- 15.4		+0.4	-0.2	0	- 2	-0.4	-0.2
11.MADHYA PRADESH .	296.7	78	31.5	24.0	84	72	6.6	6.8
.	- 81.7		+0.9	+0.1	- 1	- 3	-0.2	-0.1
12.GUJARAT STATE .	462.8	159	32.0	25.4	88	76	6.3	6.4
(INCLU.DIU ETC).	+171.4		0.0	-0.3	+ 3	+ 2	-0.4	-0.1
13.MAHARASHTRA .	537.9	116	30.4	23.4	84	74	6.6	6.8
STATE(INCL.GOA).	+ 73.4		+0.6	0.0	- 1	- 1	-0.2	-0.2
14.ANDHRA.PRADESH .	253.7	146	32.5	23.7	79	66	6.4	6.7
.	+ 80.3		+0.4	-1.0	+ 1	0	-0.3	-0.1
15.MADRAS STATE .	71.2	121	33.9	24.7	70	63	5.7	6.3
(INCL.PONDICH.).	+ 12.2		+0.1	-0.5	+ 2	+ 4	-0.1	+0.1
16.MYSORE .	504.2	124	27.6	21.1	89	78	7.2	7.4
.	+ 97.8		-0.3	-0.2	+ 3	+ 3	+0.2	+0.3
17.KERALA .	626.1	127	28.8	22.8	90	83	7.2	7.3
.	+133.2		+0.1	-0.4	0	- 1	+0.4	+0.3
SUB-DIVISION								
SUB-DIVISION(CONTD)								
18.MADHYA PRADESH .	373.2	92	31.2	24.1	85	77	6.6	6.9
(EAST) .	- 33.8		+0.8	+0.1	0	- 1	-0.1	0.0
19.GUJARAT REGION .	404.7	120	32.3	25.0	88	72	6.8	6.3
(INCL.DAMAN ETC).	+ 68.4		+0.1	-0.1	+ 1	0	-0.1	-0.3
20.SAURASHTRAKUTCH.	498.5	189	31.7	25.6	88	79	5.9	6.5
(INCLUDING DIU) .	+234.8		-0.1	-0.5	+ 4	+ 4	-0.6	0.0
21.KONKAN .	938.7	111	29.1	24.6	89	86	7.4	7.4
(INCLUDING GOA).	+ 95.1		+0.2	-0.1	+ 1	0	+0.3	+0.2
22.MADHYA- .	443.2	140	30.1	22.3	84	72	6.1	6.4
-MAHARASHTRA .	+126.8		+0.3	-0.1	+ 1	+ 2	-0.3	-0.4
23.MARATHWADA .	185.9	103	31.0	22.0	80	63	6.3	6.7
.	+ 5.5		+0.5	-0.1	- 4	- 6	-0.6	-0.6
24.VIDARBHA .	370.3	103	31.6	24.0	82	70	6.5	6.8
.	+ 9.3		+1.0	+0.3	- 2	- 3	-0.4	-0.2
25.COASTAL ANDHRA .	218.7	137	33.5	25.7	78	68	6.2	6.4
-PRADESH .	+ 59.2		+0.7	0.0	0	- 1	-0.4	-0.2
26.TELANGANA .	355.2	148	31.8	21.2	81	66	6.4	6.8
.	+115.2		+0.7	-2.6	0	- 2	-0.3	-0.1
27.RAYALASEEMA .	154.8	176	31.7	23.7	78	62	6.7	7.0
.	+ 66.8		-0.7	0.0	+ 6	+ 6	-0.2	0.0
28.MADRAS STATE .	71.2	121	33.9	24.7	70	63	5.7	6.3
(INCL.PONDICH.).	+ 12.2		+0.1	-0.5	+ 2	+ 4	-0.1	+0.1
29.COASTAL MYSORE .	303.0	117	28.0	23.1	93	88	7.8	7.8
.	+193.4		-0.1	-0.3	+ 2	0	+0.4	+0.4
30.INTERIOR MYSORE.	282.0	146	28.7	21.6	87	72	7.5	7.6
(NORTH) .	+ 88.9		-0.1	+0.2	+ 3	- 1	+0.8	+0.7
31.INTERIOR MYSORE.	271.5	126	26.6	19.8	89	77	6.6	7.0
(SOUTH) .	+ 56.6		-0.4	-0.4	+ 4	+ 6	-0.4	0.0
32.KERALA .	626.1	127	28.8	22.8	90	83	7.2	7.3
.	+133.2		+0.1	-0.4	0	- 1	+0.4	+0.3
33.ARABIAN SEA- .	318.6	116	29.6	25.0	83	77	6.7	6.2
ISLANDS .	+ 43.5		+0.2	-0.3	0	- 3	+0.5	-0.7

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

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – JULY 1967 (ASADHA 10 – SRAVANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena – No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
BAY ISLANDS																												
HAVA BANDAR	29.4	+0.4	31.1	13	24.0	-0.2	22.0	20	133.9	582.3	+ 72.3	62.2	02	25	+ 4.3	17.6	13.7	+1.6	0	28	0	0	8	0	0	0	0	0
LONG ISLAND	29.4	-0.6	32.1	07	21.3	-2.9	19.4	19	199.8	636.6	+198.0	141.0	31	25	+ 5.4	8.6	6.3	+3.3	0	27	0	0	0	0	0	0	0	0
PORT BLAIR	28.9	0.0	30.4	16	23.6	-0.5	21.9	21	270.8	634.7	+243.3	112.2	26	25	+ 5.5	19.7	16.4	-3.5	0	27	0	0	10	0	0	0	4	0
CAR NICOBAR	30.3	+0.1	31.4	13	22.8	-1.6	20.7	27	141.2	343.4	+ 12.5	36.8	27	21	+ 5.8	6.5	5.2	+0.1	0	24	0	0	1	0	0	0	0	0
LAN COBRY	29.8	+0.6	31.2	21	25.0	+0.1	22.3	26	65.2	217.9	- 65.1	45.3	09	15	- 0.9	13.0	11.4	-0.7	1	21	0	0	5	0	0	0	0	0
KOSODA	29.1	0.0	30.2	21	23.6	-1.3	22.0	16	54.0	114.8	-240.3	24.6	03	14	- 3.4	12.0	9.0	+0.9	0	19	0	0	1	0	0	0	0	0
NORTH ASSAM (INCLUDING MEGA)																												
PASIGHAT	30.6	-0.1	37.7	31	23.5	-0.3	21.0	23	352.1	1317.3	+306.5	389.3	07	16	- 5.7	4.2	3.3	+0.1	1	20	0	0	3	0	0	0	0	0
DIBRUGARH (MOHANBARI)	31.2	+0.1	36.1	27	24.7	+0.4	23.1	22	94.8	359.7	-156.4	45.2	08	17	- 4.7	5.9	4.5	+0.6	2	22	0	0	11	0	0	0	0	0
DIGBOI	31.6	+0.1	36.5	31	24.6	+0.3	22.5	18	162.7	465.1	- 71.4	74.0	15	17	- 5.1	..	..	..	1	20	0	0	0	0	0	0	0	0
NORTH LAKHIMPUR	31.0	0.0	35.5	31	23.6	-1.0	21.7	23	72.7	524.7	- 91.1	65.3	14	21	- 1.1	8.0	5.5	..	1	24	0	0	11	0	0	0	0	0
SIBSAGAR	31.8	-0.6	36.1	27	..	..	..	..	85.2	410.2	- 66.3	54.3	29	19	- 0.6	6.0	5.3	-0.3	0	21	0	0	13	0	0	0	0	0
GOHPUR	31.4	-1.6	34.8	02	24.6	-0.1	22.0	31	119.4	453.4	+137.0	88.4	14	21	+ 7.7	4.5	3.3	..	0	24	0	0	0	0	0	0	0	0
NAZIRAT	31.9	..	35.2	30	24.1	..	20.5	08	226.1	505.9	+201.6	181.8	08	15	+ 0.7	2.8	3.4	-1.0	0	17	0	0	0	0	0	0	0	0
JORHAT AERODROME	32.2	..	35.6	02	25.1	..	23.5	29	117.4	428.2	..	73.2	31	20	..	..	..	..	0	22	0	0	14	0	0	0	0	0
TEZPUR	31.6	-1.7	36.5	03	..	..	..	..	111.8	301.6	+ 40.1	55.5	08	15	+ 2.4	3.3	2.2	0.0	0	0	20	0	0	0	0	0	0	0
GOLAGHAT	31.2	-0.9	34.6	29	25.0	-0.3	23.5	23	123.0	492.7	+151.3	64.0	08	20	+ 3.4	4.4	3.1	+0.6	1	23	0	0	4	0	0	0	0	0
PASIGHAT	32.4	-0.3	36.1	02	22.2	-2.3	20.9	24	85.4	310.6	- 67.0	78.6	23	17	- 0.7	..	..	..	0	22	0	0	0	0	0	0	0	0
DIBRUGARH	32.1	-1.3	35.2	26	25.7	+0.8	24.3	18	102.2	407.3	+118.4	77.8	07	15	+ 4.5	6.0	3.8	..	.	..	0	0	0	0	0	0	0	0
CHABUA AERODROME	32.1	-1.2	35.9	03	21.0	-4.9	11.4	03	159.2	391.4	+ 93.1	51.6	08	19	+ 1.3	5.7	4.5	..	0	19	0	0	14	0	0	0	0	0
GOALPARA	31.9	-0.4	35.1	31	23.5	-1.5	21.9	11	147.7	389.9	- 51.4	76.1	28	16	- 0.7	5.1	4.2	+1.0	0	21	0	0	0	0	0	0	0	0
GAUHATI (BHORJOR)	31.5	-0.2	34.0	26	25.3	-0.4	24.0	27	56.4	211.1	-154.2	34.2	16	13	- 2.3	6.5	3.6	..	2	20	0	0	9	0	0	0	1	0
DHUBRI (RUPSI)	31.3	-0.8	34.3	31	25.0	-0.6	23.3	24	103.7	601.7	+205.0	157.2	23	21	+ 6.2	9.5	7.5	+3.0	0	23	0	0	13	0	0	0	0	0
DHUBRI	30.8	+1.2	34.0	01	24.9	-0.9	23.4	24	155.8	407.4	- 22.6	71.6	09	17	+ 1.0	6.5	7.6	+1.5	0	22	0	0	5	0	0	0	0	0
LUMDING	33.2	+0.2	37.0	03	24.8	0.0	22.9	23	56.5	193.8	- 8.9	38.1	24	18	+ 6.8	5.5	3.3	..	0	22	0	0	0	0	0	0	0	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																												
TURA	29.1	+0.2	31.9	03	24.1	+0.9	20.6	09	275.7	796.2	+131.1	148.4	17	23	+ 2.1	6.0	5.9	-0.5	2	25	0	0	0	0	0	0	0	0
HAFLONG	30.8	+2.8	34.6	02	20.9	-0.6	17.7	08	99.9	270.0	- 52.0	58.6	07	15	- 3.1	..	..	..	0	22	0	0	2	0	0	0	0	0
SILCHAR (KUMBHIRGRAM)	31.4	-1.1	35.8	31	24.3	0.0	23.0	18	129.9	641.6	+123.7	111.5	07	23	+ 1.2	6.6	5.6	+0.3	0	26	0	0	12	0	0	0	0	0
SILCHAR	29.9	-1.9	34.6	02	..	..	..	..	113.5	829.7	+ 87.7	99.4	22	23	0.0	2.0	1.4	-0.5	0	28	0	0	7	0	0	0	0	0
IMPHAL (TULIHAL)	28.9	+0.5	31.3	12	21.0	-0.8	18.5	18	39.7	224.4	- 28.1	64.2	12	14	- 3.7	8.5	5.8	-0.7	1	26	0	0	2	0	0	0	0	0
KAILASHAHAR	32.1	-0.4	34.7	30	24.4	-0.5	21.5	11	72.8	312.5	+ 1.0	73.0	07	17	- 0.4	6.7	4.8	+0.5	1	26	0	0	17	0	0	0	0	0
AGARTALA	32.0	+0.6	34.4	03	24.1	-0.8	22.7	09	85.6	353.5	- 27.0	167.5	07	15	- 1.6	10.3	8.1	-1.3	0	25	0	0	15	0	0	0	1	0
SUB-HIMALAYAN WEST BENGAL																												
BAGHDOGRA	31.3	+0.3	34.5	27	24.7	0.0	23.3	10	173.5	1104.6	+256.1	233.8	10	20	- 2.9	11.6	10.8	+3.3	1	21	0	0	17	0	0	0	0	0
JALPAIGURI	30.7	+0.1	33.6	13	24.3	-0.7	21.9	11	191.5	772.4	..	..	..	..	..	7.1	6.4	-0.1	.	..	0	0	4	0	0	0	0	0
COOCH BEHAR AERODROME	31.1	-0.2	34.2	26	24.6	-0.8	22.7	23	237.8	1085.1	+337.3	358.1	09	18	- 1.2	5.7	3.6	-0.9	0	21	0	0	16	1	0	0	0	0
BALURGHAT	32.7	..	34.6	13	25.4	..	23.8	30	230.2	471.9	..	104.3	16	11	..	6.4	5.5	..	0	16	0	0	0	0	0	0	0	0
MALDA	33.3	+1.5	35.9	02	26.4	+0.2	24.3	10	48.2	172.2	-120.4	47.6	09	13	- 1.7	4.5	3.6	-4.8	0	17	0	0	12	0	0	0	0	0
GANGETIC WEST BENGAL																												
BERHAMPORE	32.8	+0.3	35.0	15	25.8	-0.2	..	..	128.6	223.4	- 57.8	67.4	09	16	- 1.0	7.1	5.3	-0.3	0	20	0	0	3	0	0	0	0	0
SURI	33.0	+0.7	35.3	15	25.9	+0.4	21.6	13	..	205.9	-122.8	34.6	09	15	+ 0.1	.	7.7	-1.2	0	20	0	0	1	0	0	0	0	0
ASANSOL	33.2	+1.2	36.8	08	25.6	0.0	24.4	29	132.1	288.5	- 70.2	60.4	17	17	- 1.0	9.9	7.8	-0.3	2	22	0	0	14	0	0	0	0	0
SHANTI NIKETAN	32.9	..	35.2	15	25.8	..	24.5	16	107.0	186.6	..	58.4	16	13	..	11.3	7.2	..	1	22	0	0	19	0	0	0	0	0
KRISHNANAGAR	33.2	+0.9	35.3	15	23.5	-2.1	21.7	16	59.7	242.0	- 44.3	50.4	10	11	- 5.6	11.7	8.0	+1.2	2	19	0	0	7	0	0	0	0	0
PURULIA	32.9	+1.2	36.5	13	23.9	-1.0	22.2	16	85.2	264.6	- 74.2	45.0	17	17	- 1.3	8.7	6.6	+0.5	1	21	0	0	15	0	0	0	0	0
BANKURA	34.1	..	38.2	15	25.9	..	24.1	29	50.0	149.3	-186.5	22.3	08	16	- 0.2	12.1	5.2	..	1	22	0	0	6	0	0	0	0	0
BURDWAN	33.9	+1.9	36.0	15	23.5	-2.3	21.3	16	81.8	203.6	-129.7	88.3	16	14	- 2.1	15.3	10.7	+3.6	0	17	0	0	2	0	0	0	0	0
CALCUTTA (DUM DUM)	32.5	+0.7	34.5	12	26.0	0.0	23.9	12	210.4	361.0	+ 45.1	82.0	15	14	- 4.1	14.1	10.5	-1.0	0	20	0	0	13	0	0	0	0	0
CALCUTTA	32.7	+0.7	35.0	09	26.0	-0.3	23.7	12	91.4	217.5	-113.7	48.9	04	15	- 1.9	10.4	7.9	+1.9	0	18	0	0	14	0	0	0	1	0
MIDNAPORE	32.2	+0.3	35.4	12	26.0	+0.2	24.1	29	113.5	206.5	-127.0	42.2	02	14	- 2.6	7.6	5.6	+0.2	0	21	0	0	1	0	0	0	0	0
CONTAI	31.4	+0.6	35.8	12	23.5	-2.8	21.6	12	139.4	305.0	+ 2.0	55.4	27	13	- 1.8	14.8	10.8	-1.5	0	16	0	0	0	0	0	0	0	0
SAGAR ISLAND	30.4	+0.1	31.9	12	26.4	-0.3	24.5	30	87.5	266.4	-128.1	33.8	01	18	+ 1.3	22.9	24.0	-0.9	3	21	0	0	6	0	0	0	1	0
SANDHEADS	30.4	..	32.8	18	27.1	..	23.1	04	60.4	276.6	- 0.8	81.8	30	14	+ 0.7	..	..	..	0	20	0	0	3	0	0	0	0	0
ORISSA																												
BARIPADA	32.8	+0.7	36.9	12	25.2	-0.2	23.6	18	173.2	285.8	-121.2	76.2	18	14	- 4.8	4.0	2.7	+0.3	1	19	0	0	12	1	0	0	0	0
JHARSUGUDA	31.8	+0.9	35.1	13	24.1	-0.5	20.8	15	112.2	415.8	- 18.5	53.4	30	17	- 1.8	9.6	7.1	-2.5	0	22	0	0	15	0	0	1	2	0
KEONJHARGARH	30.9	+1.5	33.4	12	19.9	-3.4	18.2	20	47.2	145.0	-100.4	33.6	27	14	- 2.2	8.4	6.9	-1.4	3	20	0	0	0	0	0	0	0	0
BALASORE	32.2	+0.9	36.5	12	25.6	-0.5	24.5	20	81.7	147.3	-168.2	29.0	27	14	- 0.3	12.5	10.3	0.0	0	19	0	0	0	0	0	0	0	0
SAMBALPUR	31.8	+1.1	35.6	14	23.9	-1.0	21.3	18	159.9	512.7	+ 14.4	112.4	27	16	- 3.3	4.2	4.5	-3.8	0	16	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JULY 1967 ASADHA 10 - SRAVANA 9, 1889 SAKA

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean hourly speed 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Haze or dust	Mist	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	21	22	23	24	25	26	27	28
ORISSA(CONTD.)																												
ANGUL	32.5	+1.3	36.4	12	24.1	-1.1	21.5	28	123.7	271.8	- 53.8	82.8	27	14	- 1.5	9.3	6.7[a]	-1.4	0	21	0	0	7	0	0	0	0	0
CHANDBALI	32.1	+0.7	36.7	12	25.4	-0.3	22.5	12	165.6	416.1	+ 5.4	157.0	30	15	- 1.0	10.2	7.7	-3.5	0	17	0	0	1	0	0	0	0	0
BOLANGIR	32.4	+1.5	36.4	13	24.9	+0.3	22.0	01	82.2	260.0	-204.7	112.0	27	13	- 2.7	8.4	8.5	-1.6	0	17	0	0	1	0	0	0	0	0
PHULBANI	30.2	..	33.2	07	22.9	..	21.2	31	70.6	212.1	..	51.3	25	13	..	8.7	5.2	..	2	20	0	0	4	0	0	0	0	0
CUTTACK	33.1	+1.5	37.4	12	26.0	+0.4	20.5	21	241.8	502.3	+149.2	102.4	26	15	- 0.9	8.0	6.8	+0.1	0	20	0	0	6	0	0	0	0	0
TITLAGARH	32.7	+1.6	37.1	13	24.7	+0.3	22.8	31	176.9	413.6	+ 15.3	119.6	27	13	- 3.6	5.5	4.8	+0.4	0	20	0	0	12	0	0	0	0	0
BHUBANESWAR	32.3	+0.8	36.6	12	25.3	-0.2	23.2	27	200.0	340.3	+ 38.8	90.4	27	13	- 1.9	19.6	16.0	+0.1	1	20	0	0	14	0	0	0	0	0
PURI	31.6	+1.0	33.3	13	..	..	..	..	104.3	278.9	- 2.8	76.6	26	9	- 2.9	26.1	22.6	-0.7	0	10	0	0	0	0	0	0	0	0
GOPALPUR	31.2	+0.4	33.8	02	25.0	-1.1	21.5	19	29.5	170.6	- 3.4	41.2	19	7	- 2.4	19.2	16.7	-0.6	2	18	0	0	1	0	0	0	0	0
KORAPUT	27.0	+1.5	31.8	31	19.1	-1.3	17.4	20	94.4	303.4	-161.2	90.6	25	15	- 4.9	..	..	..	2	19	0	0	0	0	0	0	0	0
BIHAR PLATEAU																												
DUMKA	33.6	+1.8	35.5	26	24.7	-0.6	22.9	17	108.3	261.5	- 96.4	77.6	16	12	- 6.2	8.3	5.1	-0.4	0	17	0	0	0	0	0	0	0	0
DALTONGANJ	35.4	+2.9	38.9	21	25.0	-0.5	22.5	25	61.6	291.4	- 59.4	61.0	02	16	- 0.2	2.7	1.9	-3.7	0	21	0	0	2	0	0	0	0	0
HAZARIBAGH	30.8	+1.3	34.4	13	22.4	-0.8	21.1	20	85.8	151.2	-170.6	32.4	27	12	- 5.7	12.8	10.3	+1.0	1	17	0	0	16	0	0	0	0	0
DHANBAD	32.5	+1.3	36.0	13	24.5	-0.3	22.6	29	159.0	313.2	- 50.5	53.0	16	14	- 4.6	3.6	2.7	-6.4	0	17	0	0	4	0	0	0	0	0
RANCHI	30.8	+1.7	34.5	12	20.0	-2.6	17.1	24	103.5	325.5	- 71.2	60.0	18	18	- 0.5	10.3	7.9	+1.5	0	0	0	0	1	0	0	0	0	0
RANCHI AERODROME	29.5	+0.7	32.8	15	22.5	+0.5	21.5	20	102.3	298.1	- 8.5	51.0	18	17	+ 0.6	14.7	12.4	+0.8	0	23	0	0	12	0	0	0	0	0
JAMSHEDPUR	33.4	+1.4	37.9	14	23.9	-2.0	22.3	19	118.0	258.5	-132.7	65.0	17	17	- 1.2	11.5	8.8	+1.0	1	19	0	0	6	0	0	0	0	0
JAMSHEDPUR P.B.O.	32.9	+0.9	36.6	15	25.8	+0.3	24.2	19	104.3	215.8	- 69.8	55.6	17	15	- 0.1	10.5	7.5	+1.1	2	21	0	0	22	0	0	0	0	0
CHAIBASA	32.6	+0.9	37.0	13	25.1	-0.2	21.7	10	139.0	261.2	- 81.9	62.4	02	13	- 3.3	5.5	4.6	+0.7	0	17	0	0	4	0	0	0	0	0
BIHAR PLAINS																												
MOTIHARI	33.0[b]	+0.5	..	..	..	..	..	..	179.3[b]	267.4[b]	..	..	..	..	..	..	..	..	.	..	0	0	1	0	0	0	0	0
FORBESGANJ	31.6	-1.0	35.0	13	25.3	+0.2	23.4	24	174.4	482.8	- 41.3	94.6	09	17	- 1.1	8.7	5.5	-2.2	0	19	0	0	6	0	0	0	0	0
DARBHANGA	33.8	+1.4	37.4	15	25.8	-0.4	23.2	11	120.6	335.3	+ 21.6	77.6	09	9	- 4.4	8.9	7.0	0.0	0	12	0	0	1	0	0	0	0	0
MUZAFFARPUR	33.5	..	36.8	02	27.0	..	25.0	11	140.4	241.6	- 73.4	57.0	17	14	+ 0.5	..	..	..	0	15	0	0	3	0	0	0	0	0
CHAPRA	34.3	..	38.2	01	26.8	..	24.0	10	82.4	200.6	- 69.6	55.2	05	11	- 2.3	8.8	6.4	..	0	13	0	0	0	0	0	0	0	0
PURNEA	32.3	+0.3	35.4	13	24.9	-1.0	22.5	11	137.4	297.3	- 70.0	79.2	09	10	- 6.2	5.3	3.8	-1.7	0	16	0	0	1	0	0	0	0	0
PATNA	34.3	+1.4	38.9	01	25.5	-1.2	23.4	15	105.0	326.4	+ 50.3	100.0	05	12	- 1.2	9.4	9.1	+0.5	1	14	0	0	0	0	0	0	0	0
PATNA AERODROME	34.1	+1.4	37.8	01	25.9	-0.6	24.2	15	60.6	178.5	-102.4	60.6	15	10	- 2.6	12.8	10.3	+2.4	0	16	0	0	9	0	0	0	3	0
ARRAH	..	..	..	..	..	..	..	..	..	32.1[a]	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BHAGALPUR	33.8	+1.3	37.1	01	26.4	+0.2	22.6	29	126.6	204.3	- 48.7	58.5	09	11	- 2.3	10.0	7.2	+0.6	2	17	0	0	9	0	0	0	0	0
SAHARSA	33.3	+1.0	37.0	01	25.4	-0.9	23.7	09	134.8	230.4	- 25.9	68.2	09	12	- 3.0	12.0	8.7	-0.4	0	19	0	0	12	0	0	0	0	0
JANUI	(B)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DEHRI	34.3	+1.3	39.0	01	25.7	-0.7	22.6	05	65.8	331.6	+ 49.4	71.4	16	17	+ 2.7	6.8	6.6	+0.4	0	17	0	0	0	0	0	0	0	0
GAYA	34.7	+1.2	39.2	01	26.2	-0.1	23.5	16	200.0	320.6	+ 25.5	76.2	18	13	- 1.7	15.2	12.1	+0.8	0	21	0	0	21	0	1	0	2	0
UTTAR PRADESH EAST																												
KHERI	(B)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BAHRAICH	(B)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MAUTANWA	32.6	+0.2	35.2	28	25.0	-1.2	22.4	25	78.4	489.2	+ 2.2	103.4	18	13	- 1.3	..	..	..	0	14	0	0	0	0	0	0	0	0
HARDOI	32.9	-0.7	36.0	29	26.3	-0.3	23.4	18	..	284.6	- 50.1	94.0	04	9	- 2.5	.	7.0	0.0	0	9	0	0	0	0	0	0	0	0
GONDA	29.9	-3.0	37.0	12	26.1	-0.1	23.1	17	152.2	333.8	- 10.4	93.8	17	14	- 0.3	8.4	6.8	+0.4	0	14	0	0	1	0	0	0	0	0
LUCKNOW	33.0[a]	-0.6	..	..	..	..	..	..	117.4	263.8	- 44.3	52.6	19	14	+ 0.9	..	..	..	0	14	0	0	2	0	0	0	0	0
LUCKNOW(AHAUSI)	33.6	+0.4	37.6	14	26.5	+0.2	23.6	19	88.2	223.8	-123.5	61.2	04	10	- 3.0	14.4	11.0	+0.1	1	14	0	0	13	0	0	0	3	0
FAIZABAD	33.5	+0.5	37.8	14	24.3	+0.7	22.9	09	87.6	422.0	+ 65.9	141.2	16	12	- 0.2	6.0	4.2	-0.3	0	15	0	0	5	0	0	0	0	0
GORAKHPUR	34.0	+1.2	38.3	02	26.0	-0.4	22.5	24	95.8	245.6	-113.1	61.0	24	11	- 3.0	7.9	6.6	+0.3	0	15	0	0	0	0	0	0	0	0
KANPUR	34.6	+0.9	38.3	14	26.5	-0.1	22.9	23	152.9	167.7	- 94.7	76.6	25	10	- 2.6	16.4	12.2	+0.7	0	11	0	0	0	0	0	0	0	0
KANPUR(AERODROME)	35.0	..	38.3	14	26.9	..	22.3	07	..	..	..	..	..	..	..	..	..	..	.	..	0	0	7	0	1	0	1	0
SULTANPUR	33.8	+0.3	38.6	02	23.9	-2.3	20.5	16	72.4	208.2	-122.7	45.0	18	12	+ 0.4	7.9	6.2	-0.6	0	12	0	0	7	0	0	0	0	0
AZAMGARH	33.7	+0.7	37.9	08	25.0	-1.1	23.4	18	58.4	257.0	- 27.5	82.4	18	11	- 2.9	6.5	4.9	..	0	12	0	0	0	0	0	0	0	0
FATEHPUR	34.4	+0.6	38.6	04	26.0	-0.7	24.1	02	130.9	228.2	- 52.4	79.4	02	14	+ 1.9	10.0	7.3	+1.4	0	16	0	0	2	0	0	0	0	0
BALLIA	34.6	+0.3	39.0	02	21.9	-4.0	19.0	10	98.6	260.8	+ 23.8	69.8	25	12	+ 0.2	10.3	7.9	+1.5	0	13	0	0	0	0	0	0	0	0
BANDA	34.7	+0.7	40.0	01	26.2	-0.2	16.9	12	104.0	201.6	- 87.4	33.9	04	15	- 1.4	4.3	3.0	+0.1	0	19	0	0	0	0	0	0	0	0
ALLAHABAD(BAMHRAULI)	34.5	+0.9	39.4	02	25.9	-0.7	23.0	15	99.0	274.8	- 38.6	72.6	06	12	- 2.1	10.0	7.3	-1.1	1	17	0	0	15	0	0	0	2	0
VARANASI(BABATPUR)	34.1	+1.1	37.9	14	26.1	-0.3	24.0	17	53.7	261.9	- 83.9	104.8	14	11	- 4.1	18.1	14.1	+2.7	0	15	0	0	12	0	0	0	0	0
VARANASI	34.7	+1.2	39.1	01	25.6	-0.9	22.4	17	13.7	187.1	-123.3	66.0	15	8	- 6.2	6.8	6.7	-2.3	0	11	0	0	0	0	0	0	0	0
UTTAR PRADESH WEST																												
MUKHIM	23.3	-0.1	25.5	03	17.3	-0.1	15.5	11	175.2	469.2	- 34.1	53.6	01	26	+ 4.6	..	..	..	0	29	0	0	5	0	0	0	0	0
TEHRI	33.3	+0.3	36.7	28	24.1	+0.8	22.0	31	47.5	214.8	- 51.7	50.9	31	14	0.0	4.5	2.9	..	0	15	0	0	2	0	0	0	0	0
DEHRA DUN	29.6	-0.8	33.4	28	21.9	-1.2	19.8	01	223.4	774.4	+118.8	125.0	01	23	+ 2.6	1.2	0.8	-1.9	0	26	0	0	15	0	0	0	0	0
MANSIARI	21.1	..	24.4	05	15.2	..	12.7	05	..	971.5	..	180.0	10	30	..	..	..	..	0	31	..	..	..	..	..	.	..	.

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JULY 1967 (ASADHA 10 - SRAVANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Below or Mist	Hail	Thunder heard	Fog	Duststorm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST (CONTD.)																												
ROORKEE	32.5	-0.8	36.5	04	23.6	-1.9	20.5	01	100.8	487.5	+176.1	78.7	23	17	+ 4.7	7.1	5.5	-0.3	0	19	0	0	8	0	0	0	0	0
MAJHABAD	32.3	-1.1	37.2	23	..	..	..	..	60.0	439.4	+ 35.0	78.6	23	16	+ 2.3	7.8	8.4	+1.8	0	20	0	0	12	0	0	0	0	0
MEERUT	33.6	-0.7	39.0	12	23.7	-2.7	16.5	09	..	341.0	+111.1	98.0	23	10	- 0.4	.	7.0	-0.1	0	10	0	0	0	0	0	0	0	0
BAREILLY	33.8	0.0	37.2	15	25.9	-0.3	23.3	01	39.2	335.5	+ 17.0	77.0	01	13	+ 0.5	9.5	7.0	+1.2	0	16	0	0	3	0	0	0	0	0
ALIGARH	34.2	-0.7	38.6	25	26.2	-0.5	24.0	24	134.1	257.7	+ 26.8	124.2	05	11	+ 1.1	11.5	8.7	+0.6	0	15	0	0	2	0	0	0	0	0
MAINPURI	35.4	+0.4	40.0	22	26.5	-0.2	24.0	25	44.9	219.7	+ 26.7	102.4	25	8	- 2.2	..	..	..	0	8	0	0	4	0	0	0	0	0
AGRA	35.2	+0.4	39.1	22	26.7	-0.3	24.0	24	56.8	216.3	+ 20.7	88.2	23	10	- 0.4	..	..	..	0	11	0	0	0	0	0	0	0	0
AGRA AERODROME	35.2	..	38.8	17	27.0	..	23.3	24	33.5	246.3	..	83.3	23	11	..	..	..	..	0	12	0	0	11	0	0	0	0	0
ORAI	34.9	+0.9	39.0	01	26.0	+0.5	21.0	02	74.4	196.4	-102.9	50.0	23	11	- 2.3	..	..	..	0	12	0	0	0	0	0	0	0	0
JHANSI	34.6	+1.1	38.5	01	26.0	+0.1	24.0	23	237.7	348.7	+ 42.6	137.2	23	10	- 3.7	7.6	7.4	+0.5	0	11	0	0	0	0	0	0	0	0
HARYANA (INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	33.8	0.0	37.8	03	24.7	+0.3	21.1	10	116.0	382.7	+106.2	64.0	10	12	+ 1.4	..	..	..	0	15	0	0	0	0	0	0	0	0
AMBALA	33.4	-1.8	39.2	04	25.4	-0.6	23.2	06	7.2	7.2	-241.0	7.2	24	1	- 9.8	15.0	16.4	+9.3	0	1	0	0	2	0	0	0	0	0
AMBALA AERODROME	34.2	..	39.0	03	25.7	..	22.8	01	110.5	346.2	..	116.0	06	10	..	..	..	..	0	12	0	0	8	0	0	0	0	0
KARNAL	33.7	-1.2	37.4	03	26.1	+0.4	23.8	05	109.8	209.7	+ 16.8	133.0	05	7	- 1.8	..	..	..	0	8	0	0	0	0	0	0	0	0
HISSAR	36.4	-0.9	40.6	19	26.4	-0.9	20.5	02	168.8	223.0	+115.3	54.5	07	9	+ 3.2	12.2	9.8	+0.2	0	10	0	0	5	0	1	0	0	0
NEW DELHI/SAFDARJUNG	34.7	-0.6	38.4	14	26.6	-0.6	24.2	24	91.9	218.4	+ 32.2	55.3	05	11	+ 2.0	14.1	11.6	+1.3	0	13	0	0	10	0	0	0	1	0
PALAM AERODROME	34.3	..	39.0	15	26.4	..	23.7	24	196.4	348.2	..	91.2	05	11	..	..	..	..	0	13	0	0	10	0	0	0	1	0
PUNJAB																												
PATHANKOT	33.3	-0.8	39.1	01	23.7	-1.3	19.2	01	70.8	457.2	+ 13.3	106.9	06	12	- 1.6	..	..	..	0	16	0	0	17	0	1	0	0	0
AMRITSAR	35.5	-0.2	40.4	01	25.9	0.0	19.9	02	61.8	138.5	- 75.5	52.2	06	6	- 2.8	..	..	..	0	9	0	0	14	0	4	0	1	0
ADAMPUR AERODROME	34.5	..	40.1	01	25.4	..	21.7	01	..	..	..	..	..	..	..	..	..	..	.	..	0	0	18	0	0	0	0	0
LUDHIANA	35.2	-0.8	40.2	01	26.5	-0.2	23.4	11	71.3	240.2	+ 44.4	141.5	05	7	- 1.7	6.7	5.6	+1.4	0	8	0	0	4	0	0	0	0	0
FEROZEPUR	36.7	+0.1	41.5	01	25.7	-0.9	20.2	05	106.0	123.0	- 26.9	55.0	27	7	+ 0.8	4.3	3.5	+0.7	0	7	0	0	0	0	0	0	0	0
HALWARA AERODROME	35.3	..	39.5	03	26.1	..	22.8	04	..	..	..	..	..	..	..	..	..	..	.	..	0	0	12	0	4	0	5	0
PATIALA	34.3	-0.9	38.3	03	26.3	-0.1	23.7	10	90.2	164.5	- 15.8	108.2	05	5	- 3.3	9.5	8.5	+1.0	0	5	0	0	2	0	0	0	0	0
BHATINDA	36.9	-1.4	41.0	01	26.4	-1.1	23.4	05	30.0	121.6	+ 46.8	36.6	04	6	+ 1.6	9.2	6.6	-2.1	0	6	0	0	1	0	0	0	0	0
HIMACHAL PRADESH																												
MANDI	30.7	-0.5	33.5	03	22.8	+0.9	19.5	06	132.7	500.6	- 46.5	71.6	10	19	- 1.3	..	..	..	2	22	0	0	0	0	0	0	0	0
BILASPUR	31.3	-1.2	35.4	04	21.4	-2.6	19.3	10	125.1	581.0	+140.8	86.0	19	20	+ 3.0	5.2	4.1	-0.6	0	23	0	0	10	1	0	0	0	0
JAMMU AND KASHMIR																												
MISGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GILGIT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SKARDU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DRAS	..	..	..	..	..	..	..	..	..	0.0	- 16.7	0.0	..	0	- 1.5	..	..	..	0	0	..	..	..	..	..	.	..	.
SONAMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
LEH	26.3	+1.6	30.3	23	8.4	-1.8	5.1	05	2.2	13.2	+ 0.5	7.0	05	2	+ 0.5	7.0	5.3	+0.1	0	3	0	0	0	0	0	0	0	0
SRINAGAR	32.1	+1.3	36.4	24	19.2	+0.8	15.4	18	1.2	19.1	- 37.0	14.0	24	2	- 2.8	6.1	5.2	+1.2	1	4	0	0	6	0	1	0	0	0
SRINAGAR AERODROME	30.8	..	34.6	22	19.2	..	15.0	18	21.5	35.6	..	22.5	24	2	..	..	..	..	0	2	0	1	9	0	0	0	0	0
GULMARG	22.7	+1.3	26.9	10	10.0	-0.5	7.2	07	..	..	..	..	..	..	..	7.8	5.4	+0.1	.	..	0	1	10	2	0	0	0	0
DAZIGUND	28.5	..	31.3	23	19.0	..	15.6	04	21.3	35.9	..	10.7	16	4	..	3.6	3.8	..	3	7	0	0	3	0	0	0	0	0
BANIHAL	28.8	..	31.5	03	18.9	..	16.2	03	10.0	45.3	..	21.0	30	5	..	..	..	..	0	9	0	0	1	0	0	0	0	0
JAMMU	34.4	-1.0	39.3	01	24.2	-1.8	19.5	02	77.8	279.7	- 47.7	116.8	06	7	- 4.8	5.4	4.8	..	0	12	0	0	3	0	0	0	0	0
JAMMU AERODROME	33.7	..	39.4	01	25.9	..	19.0	02	92.7	363.1	..	211.9	06	13	..	..	..	..	2	18	0	0	18	0	1	0	1	0
GULMARG (RESEARCH INSTITUTE)	23.1	..	27.2	23	..	..	..	..	34.7	66.9	..	15.3	25	7	..	..	..	..	1	11	0	0	8	2	0	0	0	0
RAJASTHAN, WEST																												
GANGANAGAR	38.2	-0.6	43.1	02	27.4	-0.7	24.1	05	103.8	106.4	+ 32.1	43.0	27	5	+ 1.0	8.0	6.7	-6.6	1	7	0	0	2	0	0	0	0	0
ANUPGARH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	0	0
MAHAJAN	39.7	..	43.3	23	28.2	..	22.4	05	..	26.2	..	15.0	07	2	..	18.6	16.9	..	0	2	0	0	0	0	5	0	0	0
CHURU	37.4	+0.7	41.6	19	26.7	-0.4	22.9	02	43.6	49.3	- 95.1	35.0	02	3	- 3.8	16.6	13.7	+1.2	0	6	0	0	3	0	0	0	0	0
BIKANER	38.6	-0.3	41.3	08	28.4	+0.4	26.0	25	13.6	17.7	- 74.8	7.8	31	3	- 2.2	16.2	15.5	+2.7	0	5	0	0	4	0	2	0	0	0
NAGAUR	36.9	+0.5	40.5	19	26.6	-0.8	24.0	26	41.0	40.8	- 37.2	28.0	04	2	- 2.2	15.2	14.4	-0.4	0	5	0	0	0	0	0	0	0	0
PHALODI	37.3	+0.4	42.1	20	27.6	+0.5	23.5	04	0.0	58.5	- 10.3	34.0	24	3	- 1.0	23.3	20.4	-3.2	0	5	0	0	0	0	0	0	0	0
JAISALMER	38.4	+0.7	43.0	20	27.9	+1.4	24.4	05	0.0	204.0	+121.8	20.4	05	1	- 3.1	22.4	21.4	-3.4	0	1	0	0	0	0	0	0	0	0
JODHPUR	36.7	+1.0	40.2	19	26.8	0.0	21.5	25	40.1	161.6	+ 53.4	81.1	24	7	+ 1.1	..	..	..	0	8	0	0	9	0	0	0	6	0
BARMER	37.1	+1.0	42.0	20	26.6	+0.3	23.5	25	42.2	109.6	+ 18.9	40.8	05	8	+ 2.8	9.4	8.1	-4.3	0	9	0	0	4	0	0	0	0	0
PRIMPURA (JAWAI DAM)	33.5	+0.6	37.1	03	25.4	-0.1	23.3	24	55.3	222.3	+ 36.1	73.5	05	10	+ 2.3	9.5	9.4	-1.1	0	14	0	0	0	0	0	0	0	0
RAJASTHAN, EAST																												
PILANI	36.0	-1.0	40.5	19	25.5	-1.5	22.0	10	49.4	97.4	- 9.1	26.4	07	10	+ 5.0	17.5	14.9	0.0	0	12	0	0	0	0	0	0	0	0
SIKAR	35.2	+0.5	39.6	19	25.6	-0.4	22.3	24	48.1	103.7	- 51.8	22.3	08	7	- 1.3	8.6	9.9	+0.7	0	9	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JULY 1967 (ASADHA 10 - SRAVANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.5 mm.	0.5 mm. or more	Haze or dust	Mist	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
RAJASTHAN, EAST (CONTD.)																												
ALWAR	34.9	+0.1	39.1	15	26.6	-0.7	23.1	24	147.2	328.7	+114.7	95.6	04	10	0.5	6.4	5.8	..	0	14	0	0	2	0	0	0	0	0
JAIPUR (SANGANER)	34.1	0.0	38.4	22	25.7	+0.1	23.5	24	39.5	183.6	- 3.9	39.3	23	10	- 0.2	..	..	..	0	14	0	0	7	0	1	1	0	0
DHOLPUR	35.2	+1.0	40.0	22	26.3	-0.7	23.7	27	86.1	244.4	+ 14.7	75.8	04	9	- 4.2	12.4	8.4	+0.7	0	11	0	0	5	0	1	0	0	0
AJMER	34.3	+1.1	37.8	22	25.5	-0.1	23.1	24	44.3	80.9	- 78.1	14.1	28	8	- 0.8	14.4	12.8	+1.2	1	9	0	0	4	0	0	0	0	0
TONK	35.2	-0.3	39.8	15	28.0	+1.3	23.0	24	95.6	203.7	+ 25.5	51.2	24	11	+ 1.6	14.3	10.7	+0.2	0	12	0	0	2	0	0	0	0	0
BHILWARA	33.1	..	35.8	16	24.5	..	22.7	31	139.2	182.1	..	69.2	04	7	..	12.0	9.2	..	0	8	0	0	3	0	0	0	0	0
KOTA	35.0	+1.7	38.4	16	23.9	-2.5	20.6	31	178.0	229.0	- 42.5	118.6	31	7	- 4.7	9.5	8.8	+0.6	0	9	0	0	3	0	0	0	0	0
KOTA AERODROME	34.6	..	39.0	15	26.6	..	23.0	03	132.9	195.5	..	93.2	31	8	..	15.6	15.5	..	2	11	0	0	8	0	0	0	0	0
CHAMBAL (RAWAT BHATTA DAM)	34.0	+1.4	38.5	15	25.1	+0.7	23.1	25	72.5	133.2	-265.4	52.6	24	12	- 0.4	15.0	11.9	+3.0	0	12	0	0	6	0	0	0	0	0
UDAIPUR	30.3	-0.4	33.7	19	23.2	-0.7	21.5	26	24.4	173.3	- 40.8	42.2	30	10	- 0.6	6.4	5.0	-1.3	0	14	0	0	5	0	0	0	0	0
JHALAWAR	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BANSWARA	32.3	..	34.8	20	27.2	..	24.0	31	..	187.9	..	65.8	29	9	..	7.7	6.8	..	0	14	0	0	0	0	0	0	0	0
MADHYA PRADESH, WEST																												
GWALIOR	34.4	+0.3	38.6	22	26.4	-0.2	24.3	24	98.4	306.3	+ 12.3	54.1	04	12	- 3.0	11.7	9.5	+1.7	3	17	0	0	14	0	1	0	0	0
SHEOPUR	34.7	+0.9	38.9	15	26.3	+0.4	23.0	24	87.9	148.6	-156.9	28.3	24	13	+ 0.4	12.3	10.0	+1.7	1	15	0	0	6	0	0	0	0	0
SHIVPURI	32.8	..	36.2	22	22.9	..	21.0	24	34.8	153.6	..	54.0	27	9	..	13.8	10.9	..	0	14	0	0	0	0	0	0	0	0
NOWGONG	33.9	+1.0	38.2	01	25.4	0.0	21.9	27	53.1	211.6	-142.2	73.2	16	11	- 2.9	9.8	7.7	+0.6	0	14	0	0	6	0	0	0	0	0
GUNA	31.8	+0.7	36.7	14	23.7	-0.3	22.2	04	109.8	187.7	-197.1	41.5	04	13	- 3.1	17.0	13.0	+1.0	0	18	0	0	7	0	0	0	0	0
NIMACH	32.1	+1.2	35.2	15	24.2	+0.4	22.9	31	13.8	76.9	-190.6	38.6	30	5	- 6.2	18.0	16.2	+1.7	0	12	0	0	2	0	0	0	0	0
RAJGARH	32.6	+0.5	35.7	14	24.9	+0.6	22.6	02	40.0	175.8	-250.2	40.3	02	10	- 4.7	14.9	12.3	-1.1	1	12	0	0	4	0	0	0	0	0
SAGAR	31.9	+2.2	35.3	14	21.4	-1.5	19.9	02	37.5	292.5	-124.3	87.0	26	12	- 4.7	10.3	11.3	+0.8	0	14	0	0	6	0	0	0	0	0
RATLAM	31.2	+1.0	34.3	18	23.4	0.0	21.6	26	55.6	125.9	-223.7	48.2	29	9	- 5.7	16.3	14.3	+2.8	1	12	0	0	0	0	0	0	0	0
BHOPAL (BAIRAGARH)	31.2	+1.3	34.9	13	23.5	+0.3	21.9	11	89.0	191.2	-299.5	31.2	28	12	- 4.5	20.7	16.5	+3.3	0	17	0	0	7	0	0	0	1	0
UJJAIN	31.0	..	33.6	14	22.9	..	20.9	19	43.2	174.4	..	65.6	29	11	..	20.4	16.3	..	0	14	0	0	2	0	0	0	0	0
NARSINGHPUR	31.7	..	35.4	08	23.9	..	21.6	16	104.0	297.4	..	48.4	27	15	..	9.8	6.2	..	0	19	0	0	0	0	0	0	0	0
HOSHANGABAD	32.2	+2.0	36.2	06	24.6	+0.6	22.6	30	92.2	299.2	-140.0	50.0	19	10	- 6.3	6.5	5.9	-0.2	0	13	0	0	3	0	0	0	0	0
INDORE	30.3	+0.8	33.5	14	22.6	0.0	21.3	12	49.7	206.4	- 93.8	88.8	29	11	- 2.8	25.5	21.0	-5.2	0	15	0	0	3	0	0	0	0	0
RAJPUR (JHABUA)	30.9	+0.3	34.2	07	24.0	+0.1	22.8	29	139.4	261.6	- 71.1	70.2	29	12	- 2.6	16.4	13.0	-0.2	0	18	0	0	2	0	0	0	0	0
CHHINDWARA	29.2	+0.8	34.0	13	23.0	+0.6	21.7	29	217.9	399.8	+ 76.4	89.6	24	15	- 2.1	13.2	8.4	+0.3	1	17	0	0	7	0	0	0	0	0
SEONI	29.6	+0.9	33.6	12	22.7	+0.3	20.1	27	205.6	422.2	+ 2.3	73.8	31	19	+ 0.7	10.4	6.7	-0.9	0	23	0	0	9	0	0	0	0	0
BETUL	29.4	+1.3	33.7	14	21.8	-0.5	20.6	29	47.1	231.6	-106.9	75.2	28	13	- 4.3	9.4	6.9	-1.4	0	18	0	0	2	0	0	0	0	0
KHANDWA	31.9	+1.0	35.2	06	24.0	+0.2	22.2	29	109.6	291.4	+ 23.9	106.6	29	12	- 0.7	18.0	13.4	-0.6	0	17	0	0	0	0	0	0	0	0
MADHYA PRADESH, EAST																												
SATNA	32.4	+0.5	38.4	01	24.9	-0.2	22.8	25	198.5	386.4	+ 29.5	102.0	06	16	+ 0.2	10.3	6.9	-0.7	1	24	0	0	7	0	0	0	0	0
REWA	33.0	..	38.1	01	23.7	..	21.0	24	180.2	369.9	..	103.7	06	16	..	7.8	5.7	..	0	19	0	0	0	0	0	0	0	0
SIDHI	33.6	+0.4	37.9	14	25.2	0.0	22.5	24	102.2	353.7	+ 32.8	94.4	14	20	+ 5.6	7.3	5.3	-2.3	0	21	0	0	2	0	0	0	0	0
DHARIA	31.4	+0.8	34.8	14	24.2	+0.2	22.0	26	134.5	368.5	- 44.4	95.6	01	15	- 3.3	8.4	6.1	-0.1	0	18	0	0	10	0	0	0	0	0
JABALPUR	31.6	+1.3	35.2	12	24.4	+0.5	22.3	30	205.9	431.9	- 51.5	53.7	28	15	- 3.1	8.5	6.9	-1.3	0	19	0	0	8	0	0	0	0	0
AMBIKAPUR	30.4	+0.9	34.1	14	..	..	..	..	151.6	360.0	- 74.8	82.0	04	22	+ 4.3	10.9	8.3	-1.0	1	24	0	0	7	0	0	0	0	0
JASHPURNAGAR	28.5	..	32.8	12	21.6	..	20.2	08	169.2	603.2	..	98.4	03	23	..	9.1	6.7	..	0	24	0	0	2	0	0	0	0	0
PENDRA	29.2	+0.5	33.6	14	22.8	0.0	20.9	27	176.3	494.1	+127.6	81.0	01	22	+ 3.6	10.1	8.0	0.0	1	24	0	0	20	0	0	0	0	0
MANDLA	31.1	+1.0	34.4	12	23.2	-0.1	21.4	31	128.8	415.0	- 81.4	111.8	31	18	- 2.5	7.4	4.6	+0.7	0	21	0	0	8	0	0	0	0	0
CHHAPARA	31.7	+0.3	36.2	14	24.5	-0.4	22.8	27	167.0	344.6	- 69.4	63.2	01	16	- 2.0	8.7	7.1	-1.2	1	20	0	0	9	0	0	0	0	0
RAIGARH	31.7	+0.2	36.0	14	24.6	-0.4	23.2	31	231.0	489.3	+ 14.1	88.4	17	21	+ 2.4	7.0	6.0	-1.0	0	24	0	0	4	0	0	0	0	0
RAIPUR	31.4	+1.1	36.6	13	23.8	-0.3	20.9	27	149.1	313.6	- 57.2	62.0	28	17	+ 1.1	12.8	10.2	-1.6	2	20	0	0	7	0	0	0	0	0
KANKER	30.7	+1.6	34.6	13	24.6	+1.0	23.0	31	80.1	257.1	-111.0	59.0	24	16	- 1.1	12.0	9.8	-0.2	1	19	0	0	3	0	0	0	0	0
JAGDALPUR	29.5	+1.4	33.5	13	23.1	+0.9	21.6	26	143.9	263.8	-120.8	34.8	26	17	- 2.3	.	..	..	0	20	0	0	9	0	0	0	2	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DESA	34.2	+0.8	39.8	14	24.9	-0.6	22.8	25	205.0	429.8	+185.2	87.6	30	11	+ 0.9	15.6	13.5	..	0	13	0	0	0	0	0	0	0	0
RADHANPUR	34.5	+0.3	37.9	18	25.8	+1.4	24.1	25	37.6	175.0	- 29.9	58.0	25	10	+ 1.8	12.3	14.4	+2.3	0	12	0	0	0	0	0	0	0	0
DISA	31.4	-0.3	34.7	17	24.8	+0.4	22.8	19	97.0	242.5	-236.6	51.4	30	15	+ 1.4	11.0	8.6	-0.2	0	18	0	0	6	0	0	0	0	0
AHMADABAD	32.7	-0.5	36.6	18	25.5	-0.2	23.5	26	145.3	480.0	+135.8	322.3	29	14	+ 0.6	10.7	9.7	-1.1	1	18	0	0	7	0	0	0	0	0
DHOLKA	30.9	+0.5	33.5	18	23.3	-0.7	22.3	26	140.8	383.2	+120.2	224.4	29	12	- 0.7	21.3	20.1	-9.0	1	14	0	0	5	0	0	0	0	0
VALLABH VIDYANAGAR	32.4	..	35.6	18	25.2	..	23.7	26	183.4	332.4	..	55.0	29	15	..	12.3	9.9	..	0	19	0	0	4	0	0	0	0	0
BARODA AERODROME	31.8	-0.3	35.2	17	25.1	-0.5	23.1	27	154.8	524.1	+180.5	140.0	29	17	+ 2.8	16.8	15.4	+2.4	1	21	0	0	9	0	0	1	1	0
BARODA	32.3	-0.1	35.8	17	25.5	+0.1	23.4	27	129.6	523.7	+154.6	159.0	29	18	+ 2.1	12.6	10.3	+2.0	0	24	0	0	6	0	0	0	0	0
BROACH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8.5	6.5	-4.7	.	..	0	0	0	0	0	0	0	0
SURAT	30.8	+0.3	32.4	12	24.9	-0.8	23.7	20	137.6	479.4	+ 37.4	86.4	29	20	+ 3.5	19.9	14.8	+3.0	0	27	0	0	1	0	0	0	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																												
WALIYA	31.2	-0.6	37.8	01	25.5	-0.6	22.2	25	333.7	667.7	+362.6	190.2	26	14	+ 5.2	25.2	21.5	-0.4	0	15	0	0	13	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JULY 1967 (ASADHA 10 - SRAVANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
SURASHTRA AND KUTCH (INCLUDING DIU) (CONTD.)																												
BHUJ (RUDRAMATA)	32.8	-0.2	38.0	01	25.8	-0.5	23.4	26	816.7	557.4	+407.0	110.2	29	13	+ 7.4	23.5	20.2	+0.2	1	18	0	0	9	0	0	0	0	0
KANDLA AERODROME	32.8	..	36.8	02	26.0	..	23.7	26	225.0	558.9	..	87.0	31	13	..	31.8	27.8	..	0	16	0	0	8	0	0	0	0	0
NEW KANDLA	32.5	-0.1	36.1	01	26.3	-0.3	23.9	04	1196.2	667.4	+484.0	186.6	25	12	+ 4.0	30.5	28.0	+0.4	0	15	0	0	5	0	0	2	0	0
MANDVI	31.3	+0.2	34.5	05	25.5	-1.4	23.0	03	254.7	694.0	+482.0	111.2	31	16	+ 6.8	29.8	30.3	-6.0	0	17	0	0	0	0	0	0	0	0
SURENDRANAGAR	33.3	-0.8	36.2	14	25.7	-0.2	24.0	30	39.8	162.7	- 16.0	57.0	29	10	+ 2.1	18.4	16.9	-3.4	0	14	0	0	4	0	0	0	0	0
OKHA	30.9	..	32.7	02	26.0	..	22.9	26	223.7	538.3	..	135.8	05	12	..	29.5	27.2	..	3	16	0	0	5	0	0	1	0	0
JAMNAGAR AERODROME	32.8	+0.5	34.6	11	25.3	-0.9	21.7	31	146.1	502.7	+276.9	104.4	03	14	+ 5.9	[illegible]	..	..	0	19	0	0	9	0	0	0	0	0
DWARKA	30.3	+0.1	33.0	04	26.5	-0.4	22.6	26	471.8	963.5	+776.6	269.0	03	15	+ 8.7	28.0	27.7	+0.6	0	18	0	0	0	0	0	1	0	0
RAJKOT	32.6	0.0	36.0	16	24.7	-0.2	23.1	30	104.8	283.0	- 89.1	116.8	30	9	- 3.7	32.7	26.9	-1.4	2	17	0	0	4	0	0	0	0	0
BHAVNAGAR AERODROME	32.7	-0.5	35.5	13	25.5	-0.5	24.0	27	181.3	315.6	+ 85.9	51.3	29	16	+ 5.0	28.9	24.2	+9.5	0	20	0	0	4	0	0	0	0	0
PORBANDER AERODROME	30.4	+0.3	32.5	02	26.0	-0.5	20.0	31	180.6	475.5	+ 96.1	82.6	30	14	+ 2.6	21.9	19.8	..	1	17	0	0	5	0	0	0	0	0
KESHOD	30.7	-0.2	32.7	02	25.1	-0.1	22.5	25	264.8	530.7	+ 12.4	102.3	29	15	+ 1.4		..	..	1	21	0	0	3	0	0	0	0	0
MAHUVA	31.2	..	33.9	24	24.7	..	22.3	21	123.6	281.6	+ 14.7	50.0	07	16	+ 4.2	14.0	16.2	..	0	20	0	0	0	0	0	0	0	0
VERAVAL	30.1	+0.6	31.5	17	25.8	-0.4	23.4	30	185.4	378.9	+158.9	67.0	04	15	+ 5.3	36.3	36.6	+8.0	2	21	0	0	1	1	0	2	0	0
DIU	29.8	..	31.6	16	25.7	..	23.2	18	391.6	694.4	..	187.6	30	13	..	28.0	26.1	..	0	21	0	0	0	0	0	0	0	0
KONKAN (INCLUDING GOA)																												
DAHANU	30.0	+0.3	31.8	16	25.3	+0.2	22.0	29	267.0	714.1	-172.8	118.2	28	22	- 1.5	17.7	16.7	-8.6	0	23	0	0	0	0	0	0	0	0
BOMBAY (SANTACRUZ)	29.4	-0.2	31.3	07	24.8	0.0	22.0	21	434.6	962.2	+ 14.8	201.1	29	24	- 0.4	24.3	21.6	+2.6	2	28	0	0	0	0	0	0	13	0
BOMBAY	29.5	-0.3	31.9	14	25.2	+0.1	23.6	19	400.7	974.6	+361.2	179.7	29	21	- 1.2	17.0	16.4	+1.6	4	26	0	0	0	0	0	0	14	0
ALIBAG	29.0	-0.2	31.3	15	25.3	0.0	23.2	01	..	850.5	+249.8	127.7	19	23	- 0.7	.	31.6	+2.8	0	29	0	0	0	0	0	1	0	0
BHIRA	27.7	..	32.0	15	22.4	..	20.8	01	1150.3	2684.7	..	428.4	29	31	..	4.4	4.1	..	0	31	0	0	0	0	0	0	0	0
HARNAI	28.6	+0.3	30.0	16	24.7	0.0	23.1	29	302.4	814.8	-102.4	117.1	20	27	0.0	23.8	23.2	+1.1	0	31	0	0	0	0	0	0	0	0
RATNAGIRI	29.0	+0.4	30.7	16	24.4	-0.3	22.8	21	344.5	1029.1	+179.2	165.4	20	26	- 0.2	20.2	19.4	..	1	30	0	0	1	0	0	1	0	0
DEVGARH	29.2	+0.7	31.5	15	23.8	-0.8	21.6	20	283.0	958.4	+167.0	208.2	19	25	- 1.1	30.0	29.6	+0.8	0	26	0	0	0	0	0	0	0	0
VENGURLA	29.0	+0.3	30.7	05	23.9	-0.1	22.3	24	278.0	1100.2	- 47.7	170.8	23	29	+ 1.0	..	..	..	0	31	0	0	1	0	0	0	0	0
PANJIM	28.9	..	31.2	05	23.9	..	22.3	23	295.3	1104.0	..	167.2	18	28	..	20.1	18.5	..	0	31	0	0	0	0	0	0	0	0
MORMUGAO	28.4	+0.4	30.0	04	23.7	-0.3	21.7	23	330.1	1044.3	+206.6	160.2	23	30	+ 3.5	23.8	24.7	+1.6	1	30	0	0	0	0	0	0	0	0
DABOLIM (NAVAL AIR STN.)	29.0	..	31.3	04	24.0	..	22.0	23	382.9	1119.0	..	168.4	23	28	..	..	..	..	0	29	0	0	0	0	0	0	1	0
MADHYA MAHARASHTRA																												
PANDURGAR	31.6	+0.7	34.8	07	24.0	0.0	22.7	21	126.6	390.6	+153.6	127.0	02	16	+ 3.4	14.4	9.8	-1.6	1	18	0	0	0	0	0	0	0	0
JALGAON	33.1	+1.0	37.4	15	24.3	+0.3	22.6	21	114.2	250.8	+ 8.8	72.8	29	13	- 1.5	19.5	15.7	+0.3	1	17	0	0	0	0	0	0	0	0
MALEGAON	31.0	-0.1	35.0	14	22.0	-1.0	20.7	27	35.9	126.4	+ 11.3	55.2	19	8	+ 0.3	16.6	12.8	-0.4	0	8	0	0	0	0	0	0	0	0
DIZAR	29.0	..	32.9	15	20.9	..	20.0	21	92.3	248.7	..	75.8	29	13	..	27.9	22.1	..	2	19	0	0	0	0	0	0	0	0
AHMADNAGAR	30.4	+0.9	35.1	13	21.8	+0.1	20.9	20	25.8	164.5	+ 67.0	42.4	16	9	+ 2.2	15.5	11.1	-0.4	0	12	0	0	0	0	0	0	0	0
KHANDALA	..	..	..	..	..	..	..	..	..	2398.2	+518.0	398.4	29	31	+ 1.1	..	..	..	0	31	..	..	..	..	..	..	..	..
POONA AERODROME	28.6	..	31.8	18	21.1	..	20.3	20	84.3	286.6	..	94.8	27	12	..	..	..	..	2	16	0	0	0	0	0	0	0	0
POONA	28.4	+0.2	32.0	18	22.1	+0.1	21.2	28	107.7	379.2	+210.3	117.9	27	15	+ 2.1	17.7	13.4	..	2	21	0	0	0	0	0	0	0	0
JEUR	31.0	-0.3	36.7	13	22.2	+0.4	21.2	20	48.0	124.0	+ 16.6	24.2	16	11	+ 3.1	23.7	17.8	+0.8	0	13	0	0	1	0	0	0	0	0
BARAMATI	30.0	+0.3	34.0	15	22.1	0.0	21.0	22	18.8	77.2	+ 17.7	23.8	27	9	+ 3.3	21.5	15.1	-2.1	0	13	0	0	0	0	0	0	0	0
SHOLAPUR	31.3	-0.1	36.4	13	22.3	0.0	20.9	25	90.4	276.8	+167.6	69.0	23	14	+ 6.1	14.7	11.8	-1.2	2	18	0	0	3	0	0	0	0	0
MIRAJ	28.1	+0.2	32.2	15	21.4	-0.2	20.3	06	58.9	153.2	+ 43.2	30.0	28	13	+ 3.3	..	..	..	5	19	0	0	0	0	0	0	0	0
KOLHAPUR	26.4	+0.1	30.2	15	21.1	-0.1	20.2	28	185.8	534.5	+181.2	120.6	28	19	+ 0.3	22.2	18.1	-0.3	0	25	0	0	0	0	0	0	0	0
MARATHWADA																												
AURANGABAD	30.6	+1.1	38.4	21	21.9	+0.1	20.8	29	79.0	180.0	+ 6.5	30.1	20	12	+ 0.3	19.5	15.9	-2.9	0	19	0	0	0	0	0	0	0	0
AURANGABAD (CHIKALTHAN)	30.4	+0.3	34.6	07	21.3	-0.5	19.7	21	54.5	147.0	- 29.0	27.8	28	10	- 2.3	21.6	17.0	-1.3	1	18	0	0	1	0	0	0	0	0
PARBHANI	32.0	+0.2	37.0	14	22.9	+0.1	21.5	21	36.0	230.8	+ 39.0	81.0	28	11	- 0.9	15.1	11.6	-2.4	0	12	0	0	3	0	0	0	0	0
NANDER	31.9	..	37.2	14	22.9	..	21.0	20	91.8	336.9	..	82.3	24	15	..	9.7	9.5	..	0	17	0	0	0	0	0	0	0	0
BIR	31.8	..	36.9	13	22.9	..	21.0	16	37.4	252.2	..	61.0	22	10	..	14.6	10.9	..	0	11	0	0	0	0	0	0	0	0
VIDARBHA																												
BUDHA	31.4	+0.9	36.5	13	24.5	+0.2	22.4	24	250.4	504.7	+ 75.1	83.2	23	18	+ 0.1	8.2	4.5	-1.6	1	19	0	0	6	0	0	0	0	0
MAGPURI (SONEGAON)	32.0	+0.8	36.7	13	24.2	+0.2	21.7	16	123.1	451.7	+ 75.5	80.4	23	17	+ 0.7	16.1	11.6	-1.6	1	19	0	0	9	0	0	0	4	0
AMRAOTI	31.7	+1.4	37.6	14	24.1	+0.7	21.3	17	95.9	257.8	+ 9.6	55.4	26	15	+ 1.8	19.4	15.1	-1.4	0	18	0	0	1	0	0	0	0	0
AKOLA AERODROME	32.5	..	37.7	14	20.5	..	17.7	16	189.3	422.4	..	71.4	26	16	..	16.1	12.2	..	0	21	0	0	6	0	0	0	0	0
AKOLA	32.5	+1.1	37.3	14	24.3	+0.4	21.2	17	185.4	395.7	+158.2	72.7	26	16	+ 3.4	14.6	11.2	-1.9	0	20	0	0	0	0	0	0	0	0
BRAHMAPURI	31.9	+1.5	37.0	08	22.7	-1.1	20.6	24	139.2	326.1	-264.2	55.3	26	14	- 5.1	11.0	8.6	-0.3	0	17	0	0	1	0	0	0	0	0
BULDANA	29.3	+0.6	34.5	06	22.1	+0.2	20.5	18	77.9	206.9	- 17.3	43.1	28	12	- 1.1	13.7	14.0	0.0	0	12	0	0	0	0	0	0	0	0
YEOTMAL	31.4	+1.2	36.6	14	23.3	+0.5	21.6	27	62.6	230.7	- 80.1	77.8	26	9	- 7.7	20.9	17.2	+0.1	0	17	0	0	2	0	0	0	0	0
CHANDRAPUR	32.2	+1.3	37.8	13	25.3	+1.0	22.9	26	136.7	449.9	+ 57.0	157.5	26	15	- 2.1	16.3	10.6	+0.8	0	19	0	0	14	0	0	0	0	0
[illegible]	32.4	..	37.4	13	24.1	..	21.4	21	17.4	122.4	..	34.0	21	7	..	..	..	..	0	10	0	0	0	0	0	0	0	0
SIRONCHA	32.1	+0.6	37.6	13	25.1	+0.2	22.5	21	157.2	509.3	+ 70.3	110.2	24	15	- 3.4	8.2	6.1	+0.4	1	18	0	0	3	0	0	0	0	0

TABLE II – SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – JULY 1967(ASADHA 10 – SRAVANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena – No. of days with: Precipitation 0.1 to 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
VIDARBHA (CONTD.)																												
WARDHA	32.1	..	38.4	14	23.7	..	21.7	25	56.9	416.1	..	105.2	24	16	..	12.7	9.7	..	0	20	0	0	0	0	0	0	0	0
BHANDARA	32.2	..	37.5	13	23.6	..	21.9	06	61.7	424.0	..	113.4	28	15	..	5.2	3.8	..	0	19	..	..	..	..	..	..	..	..
COASTAL ANDHRA PRADESH																												
KALINGAPATAM	31.6	0.0	34.8	12	25.2	-0.7	23.3	19	31.1	142.4	+ 4.7	46.2	19	12	+ 3.3	15.2	13.1	-0.9	1	18	0	0	2	0	0	0	0	0
VISHAKHAPATNAM	33.3	+1.6	38.5	12	25.7	-0.3	23.6	30	42.9	218.9	+106.9	59.4	19	10	+ 1.6	18.7	14.2	-2.3	1	18	0	0	10	0	0	0	2	0
KAKINADA	32.7	+0.9	37.6	13	25.6	+0.2	23.2	29	65.4	290.6	+ 99.9	53.4	05	14	+ 1.9	12.7	10.0	-2.3	0	19	0	0	1	0	0	0	0	0
NIDADAVOLE	32.6	+1.6	37.8	13	25.5	+0.6	23.2	22	51.0	304.2	+ 26.9	58.0	15	13	- 3.0	17.3	10.8	-2.6	0	19	0	0	0	0	0	0	0	0
RENTACHINTALA	34.8	+0.7	38.5	11	26.2	+0.9	22.8	19	11.0	126.0	+ 18.1	62.0	19	6	- 2.3	9.5	12.0	-1.3	0	6	0	0	2	0	0	0	0	0
GANNAVARAM	33.8	+1.2	39.5	08	25.6	+0.3	22.6	18	101.1	408.5	+150.2	146.6	22	10	- 4.1	20.5	14.3	-1.9	0	15	0	0	9	0	0	0	0	0
MASULIPATAM	32.8	+0.2	37.6	09	24.7	-1.0	21.6	22	199.2	336.7	+159.7	117.0	22	11	- 0.4	6.2	4.4	-8.4	1	13	0	0	9	0	0	0	0	0
ONGOLE	34.9	+0.8	38.4	04	26.8	+0.3	23.9	20	3.0	63.2	- 40.4	21.2	15	8	+ 0.1	14.3	10.7	0.0	0	8	0	0	0	0	0	0	0	0
NELLORE	34.9	-0.7	38.1	04	26.4	-0.3	24.5	17	35.8	77.9	+ 7.3	22.4	16	4	- 1.5	..	..	..	0	11	0	0	3	0	0	0	0	0
TELANGANA																												
RAMGUNDAM	33.1	+1.0	37.4	13	25.4	+0.7	22.2	21	77.2	315.6	+ 20.8	50.8	21	16	- 0.4	9.7	8.2	+1.0	0	18	0	0	2	0	0	0	0	0
NIZAMABAD	31.8	+1.3	36.5	13	23.7	+0.5	21.0	22	68.4	392.6	+133.3	77.6	21	16	+ 0.4	14.7	10.3	+1.7	0	18	0	0	0	0	0	0	0	0
HANAMKONDA	31.5	+0.3	35.1	01	24.3	-0.1	22.3	04	44.4	366.0	+138.4	126.4	23	15	+ 1.4	12.5	11.1	-1.3	0	15	0	0	2	0	0	0	0	0
HAKIMPET AERODROME	29.5	..	33.3	13	21.8	..	19.7	22	99.2	391.2	..	79.8	24	13	..	..	..	..	0	16	0	0	6	0	0	1	2	0
BHADRACHALLAM	33.1	+1.2	39.0	13	25.3	+0.4	22.6	21	81.6	369.4	+130.3	95.0	16	16	+ 2.2	8.0	6.4	-2.3	0	18	0	0	0	0	0	0	0	0
HYDERABAD(BEGAMPET)	30.4	+0.6	34.5	07	21.7	-0.6	19.4	22	118.3	370.5	+218.1	67.6	20	13	+ 1.9	25.5	22.1	0.0	2	17	0	0	5	0	0	0	3	0
KHAMMAM	32.9	+0.3	37.6	13	25.1	+0.2	23.1	21	21.0	367.8	+110.0	66.0	23	14	+ 0.3	..	..	..	0	17	0	0	3	0	0	0	0	0
MAHBUBNAGAR	30.0	+0.1	34.2	14	22.7	+0.2	21.0	21	58.6	304.6	+ 55.5	53.6	23	17	+ 1.7	13.0	11.0	-3.5	0	23	0	0	1	0	0	0	0	0
RAYALASEEMA																												
KURNOOL	32.7	+0.2	36.5	07	23.9	+0.1	21.9	20	15.3	111.6	+ 5.7	24.0	12	11	+ 2.0	25.0	19.4	-1.9	0	15	0	0	0	0	0	1	0	0
NANDYL	32.8	..	36.3	07	23.1	..	21.0	12	30.2	184.4	..	47.0	19	12	..	15.2	11.7	..	0	18	0	0	0	0	0	0	0	0
ANANTAPUR	32.2	-0.2	35.6	09	23.9	+0.2	22.2	20	21.3	119.8	+ 67.7	59.1	16	8	+ 2.3	20.9	15.8	-3.1	1	11	0	0	0	0	0	0	0	0
CUDDAPAH	32.1	-2.4	36.7	07	25.0	-0.6	23.0	14	10.8	282.2	+175.3	105.4	14	11	+ 4.1	9.5	7.8	-2.6	0	14	0	0	0	0	0	0	0	0
AROGYAVARAM	29.7	-0.3	33.2	03	21.8	+0.1	20.2	21	27.5	105.6	+ 18.6	28.0	06	7	+ 0.5	16.6	13.8	0.0	0	9	0	0	0	0	0	0	0	0
MADRAS STATE(INCLUDING PONDICHERRY)																												
MADRAS	34.1	-0.3	37.6	09	25.6	-0.2	22.5	21	18.4	82.1	- 21.7	25.0	25	6	- 1.7	11.7	7.8	-0.4	1	12	0	0	3	0	0	0	0	0
MADRAS(MINAMBAKKAM)	34.7	-0.5	38.0	09	25.6	-0.7	22.3	21	12.3	145.1	+ 58.5	25.6	18	11	+ 4.3	16.6	13.1	-1.5	3	15	0	0	5	0	0	0	6	0
VELLORE	33.6	-0.7	37.0	03	24.1	-1.4	21.1	14	29.9	259.4	+151.2	102.6	14	8	+ 1.9	14.8	10.4	+0.5	0	13	0	0	5	0	0	0	0	0
TAMBARAM AERODROME	35.6	..	39.8	09	25.3	..	22.2	21	4.3	98.7	..	17.7	10	9	..	..	..	..	0	10	0	0	7	0	0	0	0	0
TIRUPPATTUR	33.1	+0.2	35.1	12	22.5	-0.5	19.3	20	0.0	219.9	+106.2	61.3	14	7	+ 2.0	7.2	6.2	-2.2	0	7	0	0	0	0	0	0	0	0
METTUR DAM R.S.	33.5	..	35.6	11	24.4	..	22.0	13	25.2	63.2	..	20.0	10	8	..	6.6	7.1	..	0	9	0	0	0	0	0	0	0	0
CUDDALORE	35.4	0.0	38.2	03	25.1	-1.0	21.9	21	7.5	98.2	+ 31.9	32.4	21	9	+ 3.8	..	..	..	1	11	0	0	6	0	0	0	0	0
KALLAKKURICHCHI	34.9	-0.1	37.2	07	24.7	-0.4	23.1	24	21.2	54.8	- 39.5	11.0	07	7	+ 1.4	9.6	7.8	..	0	11	0	0	2	0	0	0	0	0
SALEM	33.1	-0.3	35.7	05	23.7	+0.1	22.5	24	17.8	154.7	+ 57.4	45.4	06	8	+ 0.9	9.2	6.6	-2.4	1	13	0	0	6	0	0	0	0	0
COIMBATORE(PILAMEDU)	30.3	+0.3	32.3	11	21.5	-0.2	20.0	02	16.6	44.4	+ 3.9	14.8	28	6	+ 2.3	34.2	28.2	-2.8	2	9	0	0	1	0	0	0	0	0
COIMBATORE	29.6	+0.6	31.4	15	20.9	-1.1	19.6	18	..	60.6	+ 13.6	20.0	27	5	0.0	.	15.8	-0.5	1	12	0	0	0	0	0	0	0	0
NAGAPATTINAM	35.7	+0.4	39.1	09	26.4	+0.1	24.2	21	5.8	31.2	- 7.9	13.0	14	4	+ 1.2	16.4	12.0	+0.7	0	5	0	0	4	0	0	0	0	0
TIRUCHCHIRAPPALLI	36.2	+0.7	37.8	30	26.1	+0.2	24.3	16	0.0	10.4	- 25.7	3.8	07	2	- 0.4	21.9	17.9	+3.5	0	4	0	0	1	0	0	0	1	0
VEDARANNIYAM	34.1	..	36.4	15	25.4	..	21.6	21	8.1	51.5	..	22.8	20	4	..	7.7	5.3	..	0	5	0	0	3	0	1	0	0	0
ATIRAMPATTINAM	33.4	..	36.6	16	25.4	..	23.6	29	11.8	54.8	..	16.2	29	4	..	16.5	11.7	..	0	7	0	0	1	0	0	0	0	0
MADURAI	35.9	+0.2	38.0	10	25.2	-0.5	24.1	17	..	16.2	- 27.5	5.8	16	3	+ 0.2	..	8.9	-0.4	0	5	0	0	0	0	0	0	0	0
MADURAI AERODRUME	35.2	+0.3	36.9	31	25.1	-0.3	23.3	07	7.1	27.3	- 29.4	20.8	07	2	- 1.2	19.1	15.1	-1.1	1	3	0	0	1	0	0	0	0	0
TONDI	32.8	-0.3	37.1	04	25.8	0.0	24.7	23	0.0	6.2	- 33.9	6.2	06	1	- 1.4	19.3	14.1	-0.8	0	1	0	0	1	0	0	0	0	0
PAMBAN	31.6	+0.1	33.7	04	26.6	+0.1	23.8	24	0.0	0.4	- 10.5	0.4	18	0	- 0.8	18.1	17.7	+1.1	0	1	0	0	0	0	0	0	0	0
TUTICORIN	35.4	+1.0	37.4	26	25.6	-0.9	22.5	30	0.0	0.0	- 10.4	0.0	..	0	- 0.8	23.6	19.7	0.0	0	0	0	0	0	0	0	0	0	0
PALAYANKUTTAI	35.5	+1.1	37.2	10	24.7	-1.7	22.3	01	0.0	0.0	- 7.9	0.0	..	0	- 0.6	32.1	17.3	-0.2	0	0	0	0	0	0	0	0	0	0
KANNIYAKUMARI	29.9	..	32.0	04	23.9	..	21.6	28	13.2	48.1	..	20.1	28	4	..	20.5	18.4	..	0	8	0	0	2	1	0	0	0	0
PONDICHERRY	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
COASTAL MYSORE																												
KARWAR	28.5	+0.5	30.4	04	23.7	-0.3	22.1	23	326.7	1100.7	+ 95.3	137.2	19	30	+ 2.4	10.5	9.9	..	0	30	0	0	0	0	0	0	0	0
HONAVAR	27.3	-0.9	29.4	04	23.2	-0.3	22.0	30	417.2	1366.8	+292.9	176.4	23	31	+ 1.5	..	..	..	0	31	0	0	2	0	0	0	0	0
MANGALORE(BAJPE)	27.9	+0.1	30.1	02	22.4	-0.3	21.2	24	342.9	1446.7	+107.3	135.0	12	31	+ 2.4	9.6	8.5	-1.6	0	31	0	0	7	1	0	0	0	0
MANGALORE	28.1	-0.4	30.4	11	22.9	-0.6	21.6	18	325.2	1297.7	+278.1	159.7	12	31	+ 3.4	11.6	9.3	-0.1	0	31	0	0	3	0	0	0	0	0
INTERIOR MYSORE NORTH																												
BIDAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GULBARGA	30.8	-0.6	36.0	12	22.6	+0.1	21.0	20	90.4	276.2	+140.1	110.6	23	11	+ 2.0	22.7	18.4	-1.9	0	14	0	0	0	0	0	0	0	0
BIJAPUR	30.2	+0.1	35.1	13	21.9	+0.2	20.6	20	70.4	123.9	+ 65.2	42.8	16	9	+ 4.5	15.9	13.4	-1.6	1	21	0	0	1	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JULY 1967 (ASADHA 10 - SRAVANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with									
	Mean minimum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 to 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	21	22	23	24	25	26	27	28
INTERIOR MYSORE NORTH (CONTD.)																												
RAICHUR	31.8	-0.2	36.3	13	23.2	+0.3	21.4	20	46.3	175.8	+ 57.9	47.2	19	10	+ 1.2	25.1	19.9	-1.8	1	13	0	0	0	0	0	0	0	0
BELGAUM	25.7	+0.5	29.3	16	20.5	+0.7	19.5	20	198.6	636.6	+185.5	94.2	28	24	+ 1.8	11.5	8.9	-5.5	1	26	0	0	0	0	0	0	0	0
BELGAUM (SAMRA)	25.6	+0.2	29.1	15	20.5	+0.4	19.4	20	119.5	369.2	+ 42.3	54.7	27	21	+ 0.4	23.1	18.6	-7.4	0	26	0	0	0	0	0	0	0	0
GADAG	27.9	-0.6	31.8	13	21.0	-0.2	19.9	20	71.3	110.3	+ 42.7	16.3	20	10	+ 3.5	20.2	16.7	-2.9	3	17	0	0	0	0	0	0	0	0
INTERIOR MYSORE, SOUTH																												
BELLARY	30.9	-0.6	35.0	07	23.9	-0.1	21.4	20	11.0	85.1	+ 44.5	27.0	20	8	+ 4.7	16.3	14.0	-0.8	0	10	0	0	0	0	0	0	0	0
CHITRADURGA	27.5	-0.6	31.7	07	21.0	+0.2	19.4	19	60.0	120.6	+ 46.2	27.0	21	13	+ 4.4	14.8	13.5	-1.4	3	19	0	0	0	0	0	0	0	0
SHIMOGA	27.1	+0.3	30.6	07	19.9	-1.2	18.7	19	111.2	280.2	- 2.6	34.8	21	21	+ 2.1	8.0	5.5	-1.2	0	23	0	0	0	0	0	0	0	0
AGUMBE	23.0	..	25.0	15	18.9	..	16.6	21	..	2934.0	..	213.0	27	31	..	.	6.9	..	0	31	0	0	0	0	0	0	0	0
BALEHONNUR	23.2	+0.5	26.3	07	18.3	-0.2	16.9	07	..	1003.6	+107.7	132.0	27	30	+ 1.9	..	..	..	0	31	0	0	0	0	0	0	0	0
HASSAN	24.5	-0.3	27.6	07	18.4	-0.5	17.4	30	84.8	228.4	+ 78.0	36.8	28	17	+ 3.5	13.4	10.3	-5.0	0	23	0	0	0	0	0	0	0	0
BANGALORE	27.1	-0.1	31.6	07	18.0	-1.2	16.5	21	45.2	199.9	+ 88.6	42.1	18	13	+ 4.5	16.4	12.0	-5.5	1	21	0	0	0	1	0	0	1	0
BANGALORE AERODROME	27.5	-0.3	30.4	07	19.1	-0.2	17.7	21	5.7	133.4	+ 39.0	33.2	16	11	+ 2.3	..	..	..	0	17	0	0	0	0	0	0	1	0
MYSORE	25.2	-2.1	26.5	04	19.9	+0.2	19.1	05	100.7	120.8	+ 51.7	40.8	14	14	+ 6.5	19.8	14.3	+0.2	0	19	0	0	0	0	0	0	0	0
KERALA																												
CALICUT	27.8	-0.4	30.4	31	23.1	-0.2	21.7	02	269.1	1054.9	+197.6	136.4	27	28	+ 1.4	8.1	5.7	-3.5	0	30	0	0	2	0	0	0	0	0
PALGHAT	27.7	-0.4	29.6	19	22.2	-0.4	20.8	02	219.4	704.4	+164.6	106.6	25	26	+ 3.6	13.1	11.3	-2.0	0	29	0	0	2	0	0	0	0	0
FORT COCHIN	28.5	+0.4	30.8	04	22.8	-0.9	20.7	24	280.3	1389.6	+775.4	169.0	05	27	+ 2.5	10.3	7.8	-1.8	0	28	0	0	2	0	0	0	0	0
COCHIN (NAVAL AIR STATION)	28.8	..	31.0	04	22.9	..	21.1	30	321.2	878.1	..	154.3	05	28	..	9.3	8.4	..	0	29	0	0	5	0	0	0	10	0
ALLEPPEY	28.8	0.0	30.8	30	23.1	-0.2	21.2	20	181.0	509.0	- 34.8	93.6	05	24	+ 0.9	12.1	9.9	-2.1	0	27	0	0	2	0	0	1	2	0
PUNALUR	30.4	+0.8	32.4	31	22.5	-0.2	21.3	31	150.4	292.0	-119.5	53.8	14	19	- 1.3	4.9	3.5	-1.2	0	21	0	0	0	0	0	0	0	0
TRIVANDRUM	29.2	+0.1	30.3	04	22.9	-0.3	21.7	12	96.6	243.4	+ 20.4	46.9	05	18	+ 2.4	14.4	10.5	-0.4	2	23	0	0	4	0	0	0	0	0
TRIVANDRUM AERODROME	29.4	+0.2	31.3	04	23.3	-0.1	22.2	28	..	189.3	- 71.3	30.4	05	16	+ 1.4	.	14.2	+5.0	1	22	0	0	0	0	0	0	0	0
ARABIAN SEA ISLANDS																												
AMINI	29.3	0.0	30.5	22	25.3	-0.1	22.9	16	155.8	422.5	+110.6	86.4	07	17	+ 0.5	39.1	38.9	+5.7	2	23	0	0	3	0	0	2	0	0
AGATTI	29.2	..	30.4	30	26.5	..	24.1	17	38.0	190.2	..	43.2	16	17	..	25.8	26.6	..	0	18	0	0	0	0	0	0	0	0
ANDROTH	..	..	..	..	..	..	..	..	245.7	527.7	..	110.0	07	19	..	6.8	5.7	..	0	25	0	0	0	0	0	0	0	0
MINICOY	29.9	+0.4	31.4	22	24.7	-0.4	22.9	06	133.6	214.7	- 23.6	45.3	16	13	- 0.9	17.3	16.0	-0.3	2	14	0	0	3	0	0	0	0	0
HILL STATIONS (EXCLUDING KASHMIR)																												
DALHOUSIE	23.5	-0.2	27.6	03	16.6	-0.2	13.8	06	53.2	357.7	-233.4	60.0	01	16	- 3.9	..	..	..	0	19	0	0	3	0	0	0	0	0
DHARMASALA	26.9	-0.4	30.4	04	20.5	-0.7	18.7	18	359.5	874.1	-181.2	109.2	20	22	- 0.3	5.0	3.8	0.0	2	24	0	0	12	0	0	0	0	0
BHUNTAR	30.7	..	33.2	03	19.8	..	15.3	06	36.7	182.2	..	29.3	05	9	..	15.0	9.3	..	4	14	0	0	8	0	0	0	0	0
SIMLA	21.0	0.0	24.4	19	14.1	-1.5	11.2	04	235.4	462.4	+ 46.3	41.5	05	24	+ 4.0	1.3	1.4	-1.4	0	28	0	0	0	0	0	0	0	0
DHARMPUR	..	..	..	..	..	..	..	..	..	598.7	+158.7	148.0	10	18	+ 0.2	..	..	..	0	27	0	0	0	0	0	0	0	0
GHANGARIA (KANJALIA TUK)	18.6	..	20.8	09	10.6	..	8.9	05	..	406.8	..	32.4	08	26	..	..	..	..	0	27	0	0	0	0	0	0	0	0
BADRINATH	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
JOSHIMATH	24.8	-0.3	27.2	15	18.0	+0.4	15.0	05	40.2	261.2	- 39.6	44.0	10	22	+ 2.0	6.1	4.3	-0.4	0	24	0	0	0	6	0	0	0	0
MUSSOURIE	20.8	0.0	23.5	28	15.4	-0.5	13.7	04	153.8	390.6	-406.8	55.0	24	20	- 3.2	6.7	6.0	+0.4	0	21	0	0	5	1	0	0	0	0
MUKTESWAR (KUMAUN)	20.8	+0.3	24.4	15	14.5	-0.2	12.9	04	120.8	303.6	- 12.4	62.0	19	19	+ 1.1	11.2	13.5	+1.4	0	28	0	0	10	7	0	0	0	0
NAINITAL	21.6	+0.2	24.0	28	16.5	-0.4	14.3	19	353.0	1245.0	+475.6	250.0	09	28	+ 4.4	9.7	8.3	0.0	0	29	0	0	0	0	0	0	0	0
KALIMPONG	26.4	+2.3	27.6	08	21.2	+2.0	19.5	16	119.0	851.7	+238.8	169.0	08	20	- 2.5	4.7	4.2	-3.2	0	23	0	0	0	0	0	0	0	0
DARJEELING	19.9	+0.1	23.3	27	15.3	-0.1	13.8	25	193.6	750.4	- 59.1	151.0	08	22	- 3.6	2.7	2.3	0.0	0	25	0	0	0	13	0	0	0	0
KOHIMA	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
SHILLONG (C.S.O.)	23.7	-1.1	26.5	02	17.6	-1.7	16.0	23	160.5	390.3	+ 31.4	95.1	08	17	- 1.7	6.1	4.9	+1.0	0	25	0	0	1	9	0	0	0	0
CHERRAPUNJI	24.1	+1.9	25.3	02	17.1	-1.3	15.1	17	803.9	2646.8	+230.5	364.4	06	29	+ 1.4	8.1	9.6	-1.9	0	30	0	0	0	14	0	0	0	0
ABU	24.6	+0.3	29.6	20	19.1	-0.2	17.8	27	304.0	600.6	+ 3.9	146.4	25	18	0.0	12.7	8.6	-3.0	0	21	0	0	0	4	0	0	0	0
AIJAL	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
PACHMARHI	25.4	+1.1	28.6	13	20.3	+0.4	19.2	10	172.2	485.4	-240.8	98.0	28	17	- 5.4	7.3	7.8	-1.2	0	20	0	0	3	0	0	0	0	0
MAHABALESHWAR	19.1	+0.1	21.4	15	16.7	0.0	15.8	21	1103.7	2930.6	+384.5	307.2	27	31	+ 1.0	21.5	21.6	+1.6	0	31	0	0	0	0	31	0	0	0
MERCARA	20.2	0.0	22.8	07	12.5	-4.6	10.0	18	440.6	1089.8	- 39.5	132.8	04	31	+ 2.6	17.1	16.4	-0.3	0	31	0	0	0	0	0	0	0	0
OOTACAMUND	17.3	+0.9	20.8	07	10.1	-0.8	9.2	24	72.8	211.2	+ 10.0	26.6	28	16	+ 0.2	19.7	10.3	-0.6	0	21	0	0	0	0	0	0	0	0
COONOOR	21.8	+0.6	23.8	10	13.8	-1.3	11.2	06	..	67.6	+ 3.1	17.8	18	8	+ 1.1	..	..	..	0	19	0	0	0	0	0	0	0	0
KODAIKANAL	18.3	+1.2	21.0	06	11.3	-0.2	10.4	21	93.9	106.1	- 11.5	34.6	16	10	- 0.1	15.2	17.9	+1.2	5	17	0	0	0	0	0	0	0	0
NEPAL																												
KATMANDU	27.7	-0.8	30.5	28	20.1	0.0	18.2	26	75.8	476.4	+ 80.7	134.0	10	19	- 1.9	1.0	0.5	-1.0	1	25	0	0	12	0	0	0	0	0
SIKKIM																												
LACHEN	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
HYDROMETEOROLOGICAL OBSERVATORIES																												
DAMODAR CATCHMENT																												
TILAIYA	32.7	..	35.7	13	24.8	..	22.2	29	285.0	404.1	..	88.6	18	14	..	13.4	9.2	..	0	18	0	0	0	0	0	0	0	0
HAZARIBAGH	30.6	..	34.2	13	22.7	..	21.4	18	103.3	155.5	..	35.0	27	12	..	11.0	7.2	..	1	17	0	0	9	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JULY 1967 (ASADHA 10 - SRAVANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
DAMODAR CATCHMENT.(CONTD.)																												
KONAR	35.8	..	39.5	01	22.0	..	20.9	25	93.0	288.6	..	40.0	15	18	..	6.7	4.9	..	0	21	0	0	0	0	0	0	0	0
BOKARO	33.6	..	37.0	14	22.5	..	20.6	16	72.6	198.3	..	41.4	14	16	..	10.5	8.4	..	0	22	0	0	0	0	0	0	0	0
MAITHON	33.4	..	37.1	13	23.7	..	21.9	29	252.8	359.0	..	80.3	16	16	..	3.1	2.9	..	1	20	0	0	20	0	0	0	0	0
RAMGARH	33.2	..	37.7	14	23.4	..	22.0	16	102.5	312.6	..	43.1	16	20	..	8.9	6.3	..	0	24	0	0	14	0	1	0	0	0
PANCHET HILLS	32.8	..	36.5	08	25.9	..	24.2	16	130.1	298.7	..	56.2	29	15	..	6.8	5.7	..	0	19	0	0	1	0	0	0	0	0
DURGAPUR	33.3	..	36.2	15	25.4	..	23.5	15	173.0	276.4	..	45.4	09	16	..	11.4	11.7	..	0	23	0	0	0	0	0	0	0	0
MAHANADI CATCHMENT																												
GINABAHAR	31.1	..	35.1	12	23.7	..	22.5	05	..	487.1	..	65.2	04	20	..	..	..	..	0	25	0	0	4	0	0	0	0	0
HIRAKUD	32.2	..	36.0	14	25.4	..	24.2	09	173.3	422.4	..	83.2	27	15	..	5.5	4.1	..	0	20	0	0	10	0	0	0	0	0
BHIMKUND	31.3	..	34.4	12	24.1	..	22.3	19	109.3	244.8	..	30.5	18	21	..	7.2	3.7	..	0	25	0	0	24	0	0	0	0	0
SIMEPUR	32.0	..	35.3	14	25.0	..	21.7	04	..	429.9	..	91.0	27	18	..	.	6.3	..	1	20	0	0	0	0	0	0	0	0
KHIJRAHAN	30.5	..	33.9	14	24.1	..	22.7	31	160.0	287.2	..	62.6	14	18	..	14.6	9.7	..	1	21	0	0	9	0	0	0	0	0
NARMADA CATCHMENT																												
BAGRA TANA	31.7	..	36.0	14	23.6	..	21.5	26	85.9	339.5	..	63.8	28	11	..	12.4	9.1	..	0	19	0	0	1	0	0	0	0	0
PUNASA	32.4	..	36.4	14	..	..	..	..	97.7	302.5	..	108.9	28	14	..	16.3	12.9	..	0	18	0	0	0	0	0	0	0	0
THIKRI	34.0	..	38.2	15	24.3	..	20.5	25	..	390.7	..	253.7	29	11	..	..	..	..	1	14	0	0	3	0	0	0	0	0
SABARMATI CATCHMENT																												
DARDI	33.6	..	36.4	01	..	..	..	..	193.8	339.2	..	77.9	24	15	..	..	..	..	0	19	..	..	..	..	..	.	..	.
GANDAK CATCHMENT																												
JAMOSUM	25.4	..	28.9	29	14.0	..	12.6	03	2.6	23.7	..	4.4	04	3	..	..	..	..	0	12	..	..	..	..	..	.	..	.
KHUDI BAZAR	28.8	..	31.6	03	20.7	..	19.0	19	254.4	1066.6	..	120.0	10	26	..	..	..	..	1	29	..	..	..	..	..	.	..	.
TIMURE	26.1	..	28.4	13	17.7	..	16.2	29	13.4	306.5	..	35.1	04	26	..	..	..	..	0	29	..	..	..	..	..	.	..	.
POKHARA	28.6	..	31.7	03	21.9	..	20.6	28	126.7	911.8	..	147.0	08	25	..	0.2	0.1	..	2	26	0	0	14	0	0	0	0	0
GORKHA	27.1	..	30.3	01	20.1	..	18.1	28	91.2	447.8	..	63.9	08	23	..	..	..	..	2	27	0	0	14	21	0	0	0	0
RUMAKUT	29.2	..	32.0	03	21.2	..	19.5	25	107.3	486.5	..	125.0	10	19	..	..	..	..	0	21	..	..	..	..	..	.	..	.
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																												
DAILEKH	26.0	..	28.9	29	20.0	..	18.2	25	..	337.8	..	38.6	18	21	..	..	..	..	0	27	..	..	..	..	..	.	..	.
GHAGHARA CATCHMENT																												
SALLYANA	26.1	..	28.4	04	19.5	..	18.0	17	78.4	244.0	..	75.3	10	11	..	..	..	..	1	16	..	..	..	..	..	.	..	.
KOTHAL	32.0	..	35.4	27	25.5	..	23.9	11	96.8	541.2	..	157.2	16	19	..	..	..	..	0	22	..	..	..	..	..	.	..	.
BAGHMATI CATCHMENT																												
KATHMANDU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
KOSI CATCHMENT																												
CHAUTARA	27.2	..	29.9	23	19.5	..	17.7	25	145.4	672.2	..	97.2	02	27	..	..	..	..	1	28	..	..	..	..	..	.	..	.
BALUNGCHUNG GOLA	..	..	..	..	2.4	..	0.6	25	80.2	317.6	..	33.0	22	23	..	..	..	..	0	25	..	..	..	..	..	.	..	.
TAPLETHUK	27.6	..	31.1	28	18.7	..	17.4	29	190.4	498.2	..	81.2	08	25	..	..	..	..	0	31	..	..	..	..	..	.	..	.
BHOJPUR	23.4	..	25.8	02	18.3	..	16.5	25	90.9	417.0	..	74.1	18	15	..	..	..	..	0	19	..	..	..	..	..	.	..	.
TAPLEJUNG	24.5	..	26.9	12	17.7	..	15.7	25	189.1	625.6	..	118.0	08	21	..	4.2	2.7	..	2	26	0	0	1	15	0	0	0	0
KHALUNGA	24.3	..	28.1	30	17.0	..	15.4	23	126.1	440.0	..	76.0	10	17	..	2.3	2.5	..	0	27	0	0	8	12	0	0	0	0
CHAINPUR	28.1	..	30.5	07	19.7	..	17.1	10	87.4	325.4	..	42.0	10	19	..	..	..	..	0	21	..	..	..	..	..	.	..	.
ARUNG	30.8	..	32.9	22	..	..	..	..	87.2	349.1	..	88.4	10	10	..	..	..	..	0	11	..	..	..	..	..	.	..	.
KURUKSHETRA	31.4	..	34.0	28	24.6	..	23.0	19	271.4	952.6	..	312.7	22	17	..	6.5	3.4	..	0	22	0	0	9	0	0	0	0	0
TISTA CATCHMENT																												
GANGTOK	23.8	..	27.2	12	16.9	..	15.3	29	171.8	788.5	..	106.8	18	27	..	3.6	2.9	..	0	30	0	0	2	25	0	0	0	0
GEZING	25.8	..	28.8	02	18.4	..	14.2	02	63.0	528.2	..	74.4	16	21	..	..	..	..	0	30	..	..	..	..	..	.	..	.

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JULY 1967 (ASADHA 10 - SRAVANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
HAVA BANDAR	0530	2[illegible]	1006.8	1003.7	-0.7	26.7	25.6	25.1	31.9	91	+ 5	7.1	+0.9	12.7	0	7	23	00	0	0	0	0	21	9	0	1	0
	1730	28	1004.7	1001.6	-1.4	27.0	25.7	25.2	32.1	90	+ 2	6.8	+0.8	14.5	0	10	21	00	0	1	0	2	18	10	0	0	0
LITTLE ISLAND	0830	25	1007.2	1004.4	-0.8	27.0	25.5	25.0	31.7	89	+ 3	6.8	+0.6	3.9	0	0	27	00	0	0	0	2	21	4	0	4	0
	1730	25	1005.1	1002.3	-1.0	27.0	25.3	24.5	30.7	86	+ 0	6.7	+0.3	4.1	0	0	26	00	0	0	0	1	19	6	0	5	0
PORT BLAIR	0530	79	1006.3	997.3	..	25.3	24.4	23.9	29.7	92	..	7.5	..	9.8	0	4	10	00	0	0	0	5	13	1	0	12	0
	0830	79	1007.6	998.7	+0.4	26.7	25.1	24.4	30.5	88	+ 4	7.3	+ .3	15.4	0	15	13	00	0	0	2	7	15	3	1	3	0
	1130	79	1006.7	997.8	..	27.9	25.7	24.7	31.1	83	..	7.3	..	1[illegible]	0	15	14	00	0	0	3	10	14	2	0	2	0
	1430	79	1005.2	996.3	..	27.0	25.5	24.5	30.7	84	..	7.2	..	1[illegible].1	0	17	10	00	0	0	2	7	17	1	0	4	[illegible]
	1730	79	1005.6	996.6	-0.5	26.4	25.0	24.4	30.5	89	+ 1	.	..	12.2	0	[illegible]	19	00	0	0	1	10	16	0	0	4	0
	2030	79	1007.4	998.4	..	25.6	24.6	24.1	30.0	91	..	5.5	..	9.6	0	6	15	00	0	0	1	5	15	0	0	10	0
	2330	79	1007.1	998.2	..	25.4	24.5	24.1	30.0	93	..	6.4	..	9.7	0	4	17	00	0	0	1	5	15	0	0	10	0
CAR NICOBAR	0830	10	1008.1	1006.9	-0.6	28.2	25.6	24.5	30.7	81	- 2	6.4	-0.1	1.7	0	0	20	00	0	0	0	0	15	2	0	11	0
	1730	10	1006.4	1005.2	-0.5	26.9	24.9	24.0	29.8	84	- 2	6.3	+0.0	1.[illegible]	0	0	12	00	0	0	0	0	11	1	0	19	0
NAN COWRY	0830	26	1009.1	1006.2	-0.5	27.8	25.7	24.8	31.3	85	+ 2	5.5	-0.9	9.5	0	0	31	00	0	0	0	1	17	10	3	0	0
	1730	26	1007.1	1004.2	-0.6	27.0	25.3	24.5	30.7	87	+ 3	5.8	-0.4	8.8	[illegible]	0	31	00	0	0	0	[illegible]	19	10	2	0	0
KINDOOL	0830	6	1009.6	1008.7	-0.1	27.9	25.2	23.9	29.7	80	- 4	6.2	-0.2	8.3	0	2	26	00	0	0	0	1	27	0	[illegible]	3	0
	1730	6	1007.7	1006.8	+0.0	27.4	25.0	23.9	29.7	81	- 5	6.2	-0.2	8.3	0	3	20	00	0	0	0	0	23	0	0	[illegible]	0
NORTH ASSAM (INCLUDING NEFA)																											
PASIGHAT	0830	157	1002.3	984.7	-0.6	26.9	25.2	24.5	30.7	87	- 2	6.7	-0.3	3.5	0	0	21	02	4	2	1	0	3	0	0	10	0
	1730	157	996.7	981.3	-0.2	28.4	25.9	24.9	31.5	83	+ 1	6.1	+0.8	1.5	0	0	13	03	0	4	1	1	0	1	3	12	0
DIBRUGARH (MOHANBARI)	0230	111	1000.5	988.1	..	25.6	24.8	24.4	30.5	94	..	6.9	..	5.5	0	0	22	03	14	0	0	2	1	1	1	9	0
	0530	111	1001.0	988.5	..	25.3	24.7	24.4	30.5	95	..	7.1	..	5.0	0	0	24	07	7	4	0	3	2	1	0	7	0
	0830	111	1002.2	989.7	-0.6	27.2	25.7	25.1	31.9	89	+ 2	7.0	-0.4	7.2	0	0	29	05	6	5	5	0	6	0	2	2	0
	1130	111	1001.0	988.7	..	29.1	26.2	24.9	31.5	77	..	6.5	..	6.8	0	0	28	05	10	2	2	1	4	2	2	3	0
	1430	111	996.8	986.5	..	30.3	26.7	25.2	32.0	75	..	6.4	..	7.5	0	0	30	05	9	2	1	3	5	1	1	1	0
	1730	111	998.5	986.2	-0.4	29.2	26.2	24.9	31.5	79	+ 0	6.1	+0.4	5.9	0	0	28	06	10	0	2	4	2	1	3	3	0
	2030	111	1000.6	988.2	..	27.0	25.8	25.3	32.2	91	..	5.3	..	4.5	0	0	23	03	12	2	0	2	4	0	0	8	0
	2330	111	1001.1	988.6	..	26.1	25.3	25.0	31.7	93	..	6.1	..	5.5	0	0	21	01	16	1	0	0	1	[illegible]	0	10	0
DIGBOI	0830	152	1002.4	985.3	-1.3	27.4	25.9	25.3	32.2	88	+ 1	6.6	-0.7	4.8	0	0	30	03	4	10	4	3	2	3	1	1	0
	1730	152	999.3	982.3	-0.6	29.2	26.6	25.5	32.6	82	+ 5	5.3	-0.9	4.5	0	0	26	03	4	7	7	2	0	4	2	5	0
NORTH LAKHIMPUR	0830	102	1001.9	990.4	-0.8	27.2	25.6	24.9	31.5	88	- 2	6.6	-0.5	5.5	0	1	27	02	9	2	3	3	9	0	0	5	0
	1130	102	1001.2	989.8	..	29.1	26.5	25.4	32.4	81	..	6.5	..	6.6	0	1	28	02	2	2	7	3	10	1	2	2	0
	1430	102	998.9	987.6	..	29.9	26.8	25.5	32.6	79	..	6.0	..	7.2	0	3	25	04	7	1	[illegible]	[illegible]	[illegible]	0	0	0	0
	1730	102	998.5	987.2	-0.4	29.1	26.6	25.5	32.6	82	+ 0	6.0	+0.3	4.5	0	1	24	02	4	1	4	7	7	0	0	6	[illegible]
	2030	102	1000.5	989.1	..	27.5	26.1	25.6	32.8	91	..	4.5	..	3.8	0	1	17	06	2	1	0	5	5	2	1	13	0
SIBSAGAR	0830	97	1002.2	991.3	-0.3	27.4	25.8	25.1	31.9	88	+ 3	7.5	+0.0	2.5	0	0	26	12	3	0	2	[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]
	1730	97	996.9	988.2	+0.4	29.9	26.9	25.7	33.0	79	+ 0	6.3	+0.2	2.0	0	0	26	03	5	0	[illegible]	2	[illegible]	0	[illegible]	[illegible]	[illegible]
GOHPUR	0830	83	1001.6	992.3	..	27.3	25.9	25.3	32.8	90	+ 2	7.2	..	3.0	0	0	26	00	9	0	5	0	[illegible]	0	[illegible]	[illegible]	1
	1730	83	998.2	989.1	..	29.1	26.9	26.0	33.6	84	+ 2	6.0	..	2.3	0	0	18	00	4	[illegible]	6	0	4	0	[illegible]	15	1
NAZIRA	0830		..	..	..	27.2	25.6	24.9	31.5	87	..	.	..	2.8	0	0	19	00	3	1	[illegible]	4	[illegible]	[illegible]	0	12	0
	1730		..	..	..	29.3	26.8	25.7	33.0	82	..	.	..	5.0	0	0	13	00	1	2	3	1	5	0	1	1[illegible]	0
JORHAT AERODROME	0530	90	1000.6	990.5	+5.2	25.6	25.1	24.9	31.5	96	..	7.3	+1.5	5.1	0	0	12	02	1	0	2	2	2	1	1	1[illegible]	1
	0830	90	1001.6	991.6	..	27.3	26.0	25.5	32.6	87	..	6.7	..	5.2	0	0	16	02	6	2	0	4	2	4	1	15	1
	1130	90	1000.7	990.7	..	29.5	27.1	26.8	33.8	83	..	6.9	..	9.5	0	2	23	02	4	1	1	5	1	5	6	6	0
	1730	90	997.9	988.0	..	29.5	26.9	25.9	33.4	81	..	5.8	..	4.9	0	0	17	02	3	1	0	2	4	3	2	14	0
	2330	90	999.4	989.3	..	26.1	25.4	25.1	31.9	95	..	6.1	..	2.5	0	0	7	00	1	2	[illegible]	1	2	0	1	24	0
TEZPUR	0830	78	1000.1	991.4	-1.2	28.1	26.4	25.7	33.0	87	+ 2	6.6	+1.0	0.9	0	0	8	01	1	1	0	0	0	5	0	23	0
	1730	78	997.0	988.3	-0.9	29.6	27.1	26.1	33.8	81	+ 3	5.5	+0.5	1.0	0	0	3	00	0	1	1	0	0	7	0	22	0
	0830	79	1002.1	993.2	-0.6	26.7	25.4	24.9	31.5	90	+ 3	7.3	+0.6	1.6	0	0	16	00	7	0	1	2	0	0	0	15	0
	1730	79	1000.1	991.4	+1.5	29.5	26.4	25.1	31.9	78	- 2	5.3	+0.2	1.7	0	0	17	01	3	2	5	2	5	0	1	14	0
GOLAGHAT	0830	95	1001.9	991.2	-1.5	27.9	25.9	25.1	31.9	84	- 3	5.0	-2.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	95	997.7	987.4	-1.7	30.3	26.7	25.2	32.1	75	- 3	4.3	-1.9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
RANGIA	0530	60	1003.3	995.0	..	28.8	26.5	26.0	33.6	86	+ 4	6.5	..	4.7	0	0	26	01	2	9	2	0	1	16	1	4	0
	1730	60	1000.2	993.5	..	30.3	27.7	26.7	35.0	81	+ 6	4.8	..	3.7	0	0	23	00	1	7	1	2	1	11	0	6	0
CHAPARMUKH	0530	66	1002.3	994.9	-0.2	27.7	26.2	25.9	33.5	85	+ 2	6.2	+0.5	3.9	0	0	29	03	3	6	13	4	3	0	0	0	0
	1730	66	999.5	991.2	-0.3	29.3	26.9	25.9	33.4	80	- 2	5.1	-0.6	3.7	0	0	26	01	6	4	5	1	0	0	[illegible]	2	0
GUALPARA	0530	38	1004.6	996.5	-1.0	27.1	25.6	25.3	32.2	90	+ 4	6.2	-1.4	2.3	0	0	30	02	6	2	7	1	7	2	1	1	0
	1730	38	997.9	993.7	-0.7	30.1	26.9	25.6	32.8	77	- 3	6.5	+0.3	2.2	0	0	29	02	9	1	3	0	12	1	1	2	0
GAUHATI (BORJHAR)	0530	54	999.9	993.7	..	26.6	25.9	25.6	32.8	94	..	6.6	..	1.9	0	0	8	01	2	0	1	2	1	1	0	24	0
	0830	54	1000.4	994.2	..	26.2	25.6	25.3	32.2	95	..	6.2	..	1.5	0	0	10	03	3	0	0	2	2	0	0	21	0

TABLE III – SUMMARY OF OBSERVATIONS AT FIXED HOURS – JULY ,1967ASADHA 10 – SRAVANA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or lat. in gms. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NORTH ASSAM (INCLUDING NEFA) (CONTD.)																											
GAUHATI (BHORJOR) (CONTD.)	0830	54	1001.5	995.4	-1.2	28.5	26.4	25.5	32.8	85	+ 0	6.9	-0.1	5.0	0	0	24	05	9	1	0	3	0	2	4	7	0
	1130	54	1000.7	994.7	..	30.0	27.0	25.8	33.2	78	..	3.6	..	7.3	0	1	26	07	8	1	0	0	1	3	7	4	0
	1430	54	998.5	992.5	..	30.5	26.9	25.4	32.4	75	..	6.5	..	7.7	0	0	28	07	7	1	0	1	1	7	4	3	0
	1730	54	998.1	992.0	-1.4	29.7	26.8	25.6	32.9	79	- 2	6.3	-0.2	5.5	0	0	25	07	1	1	2	4	0	8	2	6	0
	2030	54	1000.3	994.2	..	28.1	26.6	25.9	33.4	88	..	5.0	..	1.5	0	0	6	00	1	0	1	0	2	2	0	25	0
	2330	54	1000.7	994.6	..	27.3	26.2	25.7	33.0	91	..	6.3	..	3.2	0	0	12	01	0	1	0	2	4	2	2	19	0
DHUBRI (RUPSI)	0530	45	999.9	994.8	..	26.1	25.5	25.2	32.1	95	..	7.0	..	5.5	0	0	22	00	5	4	4	4	3	2	0	9	0
	0830	45	1001.0	995.9	+0.2	27.9	26.3	25.6	32.8	88	+ 3	7.1	+0.3	7.7	0	1	27	01	2	5	6	5	5	3	1	3	0
	1130	45	1000.5	995.5	..	29.4	26.9	25.9	33.4	82	..	6.9	..	8.1	0	0	26	02	2	4	6	1	9	2	0	5	0
	1730	45	997.8	992.8	+0.1	29.6	27.0	26.0	33.6	81	+ 0	5.9	-0.3	7.0	0	1	27	00	3	5	3	10	6	1	0	3	0
DHUBRI	0830	35	1001.8	997.9	-0.2	27.7	26.3	25.7	33.0	90	+ 4	6.3	+0.3	7.2	0	0	29	01	12	5	0	2	6	0	3	2	0
	1730	35	998.8	994.9	-0.1	28.7	26.8	26.1	33.8	86	+ 0	5.5	-0.1	6.1	0	1	21	01	4	4	2	7	4	0	0	9	0
LUMDING	0830	149	1002.4	985.8	..	27.1	25.7	25.1	31.9	86	+ 7	7.0	..	1.9	0	0	15	00	0	8	1	4	0	1	1	16	0
	1730	149	998.6	982.1	..	30.5	26.7	25.1	31.9	73	..	5.8	..	2.6	0	0	19	01	0	5	3	5	2	2	1	12	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
TURA	0830	370	1002.2	961.2	-1.2	25.7	24.6	24.1	30.0	91	+ 1	7.3	-0.2	3.5	0	0	24	01	0	4	1	9	5	2	2	7	0
	1730	370	998.8	958.2	-1.2	27.8	26.2	25.5	32.6	87	+ 0	7.1	+0.0	4.0	0	0	27	01	2	3	5	7	5	4	0	4	0
HAFLONG	0830	682	1003.8	929.0	+0.9	23.7	22.2	21.5	25.6	85	- 3	7.3	+1.1	2.5	0	0	31	00	0	0	0	7	24	0	0	0	0
	1730	682	998.6	924.8	-0.2	25.7	23.7	22.8	27.7	85	+ 4	6.3	+0.4	2.3	0	0	31	00	0	0	0	0	31	0	0	0	0
SILCHAR (KUMBHIRGRAM)	0530	97	1000.6	989.7	..	24.9	24.5	24.3	30.4	96	..	7.4	..	4.8	0	0	23	01	4	11	0	3	2	1	1	8	0
	0830	97	1001.4	990.6	+0.1	27.0	25.5	24.9	31.5	88	+ 3	7.1	+0.4	4.9	0	0	21	00	2	11	2	4	0	2	0	10	0
	1130	97	1000.3	989.6	..	29.5	26.2	24.8	31.3	77	..	6.9	..	6.8	0	0	27	03	3	3	3	2	3	6	1	4	3
	1730	97	997.9	987.2	-0.2	28.9	26.2	25.1	31.9	81	+ 0	6.6	+0.3	4.5	0	0	20	00	1	5	1	1	6	4	2	11	0
SILCHAR	0830	29	1003.0	999.7	-0.2	27.4	26.0	25.4	32.4	88	+ 2	7.0	+0.2	0.2	0	0	3	00	1	1	1	0	0	0	0	28	0
	1730	29	999.4	996.1	-0.2	29.7	26.7	25.5	32.6	78	- 4	5.9	-0.3	0.6	0	0	8	00	0	1	1	2	3	1	0	23	0
IMPHAL (TULIHAL)	0530	781	1002.3	917.2	..	22.8	22.1	21.7	25.9	94	..	7.2	..	4.6	0	1	14	03	2	1	2	2	2	0	3	16	0
	0830	781	1002.9	918.3	-1.0	24.8	22.7	21.7	25.9	84	+ 3	7.2	+0.2	7.1	0	0	22	00	3	3	4	5	2	2	3	9	0
	1130	781	1001.3	917.4	..	26.8	23.4	21.7	25.9	75	..	6.6	..	10.8	0	1	26	00	0	2	5	9	5	4	2	4	0
	1430	781	999.0	915.5	..	27.5	23.5	21.5	25.6	71	..	6.6	..	12.9	0	2	23	01	1	2	5	4	3	4	5	6	0
	1730	781	999.3	915.4	+0.	1	23.0	21.5	25.6	77	- 1	6.5	-0.1	10.2	0	2	23	02	1	3	4	4	3	3	5	6	0
	2030	781	1002.0	917.4	.	.6	22.6	21.7	25.9	84	..	6.2	..	6.7	0	0	18	01	0	3	3	3	1	1	6	13	0
	2330	781	1002.5	917.7	.	.7	22.4	21.9	26.3	89	..	6.7	..	6.7	0	1	19	02	2	3	3	3	2	1	4	11	0
KAILASHAHAR	0530	29	1002.2	998.9	.	.6	25.1	24.9	31.5	96	..	6.8	..	3.1	0	0	26	01	1	5	1	7	11	0	0	5	0
	0830	29	1003.0	999.7	-0.	.8	26.3	25.5	32.6	85	+ 3	6.3	-0.3	5.2	0	0	30	00	2	5	3	9	10	1	0	1	0
	1130	29	1002.0	998.8	..	.3	27.1	25.8	33.2	77	..	6.1	..	5.9	0	0	31	00	2	5	3	6	13	1	1	0	0
	1730	29	999.8	996.6	+0.1	.2	26.8	25.8	33.2	83	+ 1	6.5	-0.3	5.0	0	0	30	01	1	4	0	5	14	4	1	1	0
AGARTALA	0230	16	1000.0	998.2	..	25.6	24.9	24.5	30.7	94	..	6.5	..	10.3	0	2	27	02	1	3	9	13	1	0	0	2	0
	0530	16	1000.5	998.7	..	25.5	24.9	24.6	30.9	94	..	7.1	..	10.6	0	1	28	00	2	5	14	5	3	0	0	2	0
	0830	16	1001.4	999.6	-0.5	28.6	26.1	25.1	31.9	81	- 5	6.6	-0.3	16.2	0	9	22	00	2	2	13	13	1	0	0	0	0
	1130	16	1000.8	999.0	..	30.4	26.8	25.3	32.2	75	..	6.8	..	12.9	0	4	26	00	1	0	12	12	4	1	0	1	0
	1430	16	998.7	996.9	..	30.8	27.1	25.5	32.6	75	..	6.6	..	11.6	0	2	28	00	0	2	6	13	3	3	3	1	0
	1730	16	998.4	996.6	-0.6	28.9	26.5	25.5	32.6	82	- 1	6.9	+0.2	12.7	0	1	29	01	0	0	9	14	3	1	2	1	0
	2030	16	1000.7	998.9	..	27.2	25.9	25.3	32.2	89	..	6.3	..	9.4	0	2	25	00	0	1	11	12	2	1	0	4	0
	2330	16	1001.0	999.2	..	26.4	25.4	25.0	31.7	92	..	6.3	..	10.8	0	1	28	00	1	0	12	16	0	0	0	2	0
SUB-HIMALAYAN WEST BENGAL																											
BAGHDUGRA	0230	131	999.7	985.0	..	25.4	24.5	24.1	30.0	93	..	6.7	..	7.6	0	0	23	00	14	4	3	1	1	0	0	8	0
	0530	131	1000.0	985.2	..	25.5	24.7	24.3	30.4	94	..	6.5	..	6.6	0	1	18	02	8	5	3	1	0	0	0	12	0
	0830	131	1001.1	986.4	-0.5	28.1	26.0	25.1	31.9	85	- 2	6.6	-0.6	11.5	0	1	28	01	6	16	1	0	3	2	0	2	0
	1130	131	1000.7	986.1	..	29.6	26.6	25.4	32.4	80	..	6.9	..	13.2	0	1	29	00	2	14	7	2	3	2	0	1	0
	1430	131	998.4	983.9	..	30.7	27.0	25.5	32.6	75	..	6.5	..	11.2	0	0	29	01	3	8	10	2	2	3	0	2	0
	1730	131	997.8	983.3	-0.9	29.6	26.7	25.5	32.6	79	- 2	6.1	-0.4	10.9	0	1	28	03	4	7	7	6	1	1	0	2	0
	2030	131	1000.0	985.3	..	27.3	25.9	25.3	32.2	89	..	5.9	..	6.5	0	1	20	03	5	7	1	4	0	0	1	10	0
	2330	131	1000.7	986.0	..	26.1	25.0	24.5	30.7	91	..	6.4	..	7.7	0	0	23	04	8	7	1	2	0	0	0	8	1
JALPAIGURI	0830	83	1000.9	991.7	-0.5	26.9	25.4	24.7	31.1	88	+ 0	5.9	-0.4	4.3	0	0	28	01	2	14	3	3	1	2	2	3	0
	1730	83	997.5	988.4	+0.2	29.2	26.6	25.5	32.6	82	+ 1	5.2	-0.2	3.8	0	0	25	03	2	8	6	2	3	1	0	5	0
COUCH BEHAR AERUDROME	0830	43	1001.4	996.6	-0.4	27.6	25.8	25.0	31.7	87	+ 1	6.3	-0.8	5.7	0	0	22	00	6	9	3	0	2	1	1	9	0
	1130	43	1000.9	996.1	..	29.0	26.5	25.5	32.6	82	..	6.6	..	7.5	0	1	23	01	4	9	5	3	1	1	0	7	0
	1730	43	998.1	993.4	-0.4	29.8	26.7	25.5	32.6	78	- 3	5.2	-1.2	3.9	0	1	15	00	3	4	6	1	2	0	0	15	0
BALURGHAT	0830	26	1000.2	997.3	..	29.0	26.7	25.7	33.0	83	..	6.1	..	3.5	0	0	27	01	0	8	6	9	3	0	0	4	0
	1730	26	997.2	994.2	..	30.4	27.2	25.9	33.4	77	..	4.7	..	3.1	0	0	25	00	0	10	9	3	3	0	0	6	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JULY 1967 (ASADHA 10 - SRAVANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.			Mean temperature in °C			Vapour pressure in mb.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gms. of normal standard barometric level	At station level	Departure from normal	Dry bulb	Wet bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SUB-HIMALAYAN WEST BENGAL (CONTD.)																											
MALDA	0830	31	1000.5	997.0	+0.0	28.8	26.6	25.7	33.0	84	+ 0	5.9	-0.9	2.6	0	0	25	00	0	6	8	7	2	1	0	6	1
	1730	31	997.2	993.7	-0.2	30.4	27.1	25.7	33.0	77	- 3	5.2	-0.9	1.7	0	0	21	00	0	6	9	5	1	0	0	10	0
GANGETIC WEST BENGAL																											
BERHAMPORE	0830	19	1000.5	998.4	+0.3	28.5	26.9	26.3	34.2	87	+ 3	7.0	-0.1	4.5	0	0	31	00	0	11	0	19	1	0	0	0	0
	1730	19	997.5	995.4	+0.4	29.2	26.9	25.9	33.4	83	+ 1	7.0	+0.4	3.6	0	0	29	00	0	12	2	14	1	0	0	2	0
SURI	0830		..	..	..	28.8	26.4	25.4	32.4	82	- 2	6.7	+0.0	5.5	0	0	31	03	1	4	2	17	2	2	0	0	0
ASANSUL	0230	126	998.6	984.5	..	26.6	25.5	25.1	31.9	91	..	6.3	..	4.7	0	1	20	00	1	8	4	3	4	1	0	10	0
	0530	126	999.0	984.9	..	26.4	25.3	24.9	31.5	92	..	6.9	..	4.6	0	0	25	00	3	9	4	5	3	1	0	6	0
	0830	126	1000.0	986.0	+0.4	29.0	26.3	25.1	31.9	80	- 4	6.6	-0.3	6.6	0	0	31	00	4	7	7	5	4	3	1	0	0
	1130	126	999.4	985.5	..	31.6	27.1	25.3	32.2	69	..	6.8	..	7.6	0	0	31	01	3	10	5	5	3	4	0	0	0
	1430	126	997.3	983.4	..	31.5	27.0	25.1	31.9	71	..	6.7	..	7.2	0	0	31	00	2	7	6	8	3	5	0	0	0
	1730	126	997.2	983.2	+0.6	29.2	26.4	25.2	32.1	80	+ 0	7.2	+0.2	6.1	0	0	27	00	2	9	5	4	5	0	2	4	0
	2030	126	999.4	985.3	..	27.6	25.9	25.1	31.9	87	..	6.0	..	5.4	0	0	29	00	1	9	9	7	1	2	0	2	0
	2330	126	1000.0	985.9	..	27.0	25.6	25.0	31.7	89	..	6.0	..	6.0	0	0	26	00	0	7	10	2	4	1	2	5	0
SHANTI NIKETAN	0830	59	1000.5	993.9	..	28.7	26.7	25.9	33.4	85	..	6.4	..	5.2	0	0	25	00	5	5	3	8	4	0	0	6	0
	1130	59	1000.0	993.6	..	31.0	27.3	25.9	33.4	74	..	6.4	..	3.0	0	0	23	00	3	3	5	8	4	0	0	8	0
	1730	59	997.7	991.0	..	29.4	26.7	25.5	32.6	80	..	6.9	..	5.1	0	0	23	00	3	0	6	13	0	1	0	8	0
KRISHNANAGAR	0830	15	1000.5	998.9	+0.2	29.4	27.1	26.1	33.8	83	- 2	5.0	-1.8	3.6	0	0	23	00	1	4	9	7	2	0	0	8	0
	1730	15	998.5	996.9	+1.0	29.7	26.9	25.8	33.2	80	- 4	5.3	-1.3	1.5	0	0	21	01	0	0	9	11	0	0	0	10	0
PURULIA	0830	255	1000.1	972.0	-0.5	27.8	25.5	24.5	30.7	83	+ 0	7.1	+0.6	6.5	0	0	29	01	3	6	6	3	8	2	0	2	0
	1730	255	997.2	969.2	-0.4	29.4	25.9	24.3	30.4	75	- 3	7.2	+0.0	6.7	0	2	28	00	5	6	8	4	4	1	2	1	0
BANKURA	0830	100	999.6	988.5	..	28.8	26.2	25.1	31.9	80	..	5.1	..	2.0	0	0	22	00	3	2	3	6	4	3	0	9	1
	1730	100	997.7	986.7	..	29.4	26.3	24.9	31.5	78	..	5.7	..	1.6	0	0	12	00	1	0	1	2	0	1	0	19	7
BURDWAN	0830	32	999.7	996.0	-0.4	29.2	26.7	25.7	33.0	82	- 3	5.0	-0.5	7.2	0	0	31	01	0	13	2	8	7	0	0	0	0
	1730	32	997.2	993.6	+0.1	29.2	26.8	25.8	33.2	83	+ 1	5.0	-0.5	7.4	0	0	31	00	0	5	8	11	5	0	0	0	2
CALCUTTA (DUM DUM)	0230	6	998.7	998.0	..	26.9	26.1	25.8	33.2	94	..	5.1	..	6.2	0	0	26	00	1	6	6	8	5	0	0	5	0
	0530	6	999.0	998.3	..	26.7	26.0	25.7	33.0	94	..	6.7	..	5.0	0	0	28	00	1	8	6	7	5	1	0	3	0
	0830	6	1000.1	999.4	-0.2	28.9	26.9	26.1	33.8	84	+ 1	6.9	-0.2	8.7	0	2	29	00	0	12	4	6	6	3	0	0	0
	1130	6	999.7	999.0	..	30.9	27.7	26.5	34.6	78	..	7.0	..	9.2	0	2	29	00	1	9	8	7	5	1	0	0	0
	1430	6	997.9	997.2	..	30.5	27.7	26.6	34.8	80	..	6.9	..	8.8	0	0	30	01	0	8	10	4	5	2	0	1	0
	1730	6	997.4	996.7	-0.1	29.2	27.3	26.5	34.6	86	+ 5	6.7	-0.2	8.6	0	0	30	00	0	6	9	8	6	0	1	1	0
	2030	6	999.6	998.9	..	28.0	26.6	26.0	33.6	89	..	5.3	..	6.7	0	0	29	02	1	5	7	8	6	0	0	2	0
	2330	6	1000.0	999.3	..	27.4	26.5	25.9	33.4	93	..	5.2	..	6.9	0	0	31	00	1	5	10	9	6	0	0	0	0
CALCUTTA	0830	6	1000.3	999.6	+0.2	29.5	26.7	25.5	32.6	80	- 4	6.7	-0.2	9.5	0	1	30	00	2	7	4	8	8	2	0	0	0
	1130	6	999.8	999.1	..	31.3	27.2	25.5	32.6	72	..	6.6	..	10.5	0	2	28	00	0	6	6	8	8	1	1	1	0
	1730	6	997.5	996.8	+0.2	29.6	26.7	25.5	32.6	79	- 3	6.3	-0.6	9.5	0	0	30	00	0	4	7	16	2	0	1	1	0
MIDNAPORE	0830	45	1000.1	995.0	+0.3	28.4	26.4	25.6	32.8	85	+ 1	5.3	-1.0	2.0	0	0	25	00	3	3	4	4	8	2	0	6	1
	1730	45	997.2	992.1	+0.3	29.6	26.8	25.7	33.0	80	- 2	6.3	-0.4	2.8	0	0	26	00	3	1	3	12	7	0	0	5	0
CONTAI	0830	11	1000.2	999.0	-0.4	28.9	26.8	25.9	33.4	84	- 1	5.4	-0.7	9.4	0	4	25	03	1	3	0	11	8	3	0	2	0
	1730	11	997.7	996.5	-0.6	28.8	26.7	25.9	33.4	84	- 1	4.0	-2.1	11.1	0	4	26	00	1	2	3	19	4	1	0	1	0
SAGAR ISLAND	0830	3	999.9	999.6	+0.1	28.5	26.8	26.1	33.8	87	+ 1	6.5	+0.0	22.5	0	20	11	02	3	2	4	9	8	2	1	0	0
	1730	3	997.5	997.2	+0.0	29.1	26.9	26.0	33.6	84	- 1	6.2	-0.1	25.2	0	24	6	01	1	4	6	12	5	0	1	1	0
SANDHEADS	0530	10	998.5	997.4	..	28.3	26.6	25.9	33.4	87	..	6.7	..	22.3	0	16	14	00	2	1	1	6	20	0	0	1	0
	0830	10	999.7	998.6	-0.5	28.7	26.8	26.1	33.8	85	+ 1	6.8	+0.6	24.1	0	22	9	01	1	1	1	6	21	0	0	0	0
	1130	10	999.5	998.3	..	29.2	27.1	26.3	34.2	84	..	6.7	..	24.0	0	21	10	01	1	0	2	6	20	1	0	0	0
	1730	10	997.2	996.1	-0.6	29.0	26.9	26.1	33.8	85	- 1	6.5	+0.4	21.0	0	17	14	00	0	2	3	8	16	1	1	0	0
	2330	10	999.5	998.4	..	28.3	26.5	25.5	32.6	87	..	1.2	..	21.7	0	22	7	00	0	1	1	7	20	0	0	2	0
ORISSA																											
BARIPADA	0830	54	1000.9	994.9	+0.7	28.5	26.5	25.7	33.0	85	- 1	6.7	-0.2	3.6	0	0	28	03	4	2	5	7	6	1	0	3	0
	1730	54	998.2	992.2	+0.5	29.8	27.1	26.1	33.8	81	- 2	5.9	-1.0	2.1	0	0	20	01	0	3	7	6	3	0	0	11	0
JHARSUGUDA	0230	230	998.6	973.0	..	25.9	24.7	24.2	30.2	91	..	6.9	..	7.5	0	1	25	01	0	2	5	7	5	4	2	5	0
	0530	230	998.9	973.2	..	25.4	24.6	24.2	30.2	93	..	7.1	..	6.9	0	1	21	01	1	2	4	5	5	3	1	9	0
	0830	230	1000.0	974.5	-0.5	27.3	25.2	24.2	30.2	83	- 4	7.0	-0.2	11.4	0	2	28	02	0	1	4	4	9	7	3	1	0
	1130	230	999.4	974.1	..	29.7	25.8	24.1	30.0	73	..	6.8	..	13.3	0	3	27	01	3	0	5	2	7	10	2	1	0
	1430	230	997.2	971.8	..	30.4	26.1	24.3	30.4	71	..	7.0	..	11.2	0	3	27	00	2	6	2	0	7	11	2	1	0
	1730	230	996.9	971.6	-0.6	29.3	25.7	24.1	30.0	75	- 4	7.2	-0.1	10.3	0	0	29	00	1	1	5	3	5	13	1	2	0
	2030	230	999.2	973.6	..	26.8	25.0	24.2	30.2	86	..	6.5	..	5.7	0	0	20	01	1	0	1	4	6	5	2	11	0
	2330	230	999.8	974.1	..	26.4	25.0	24.4	30.5	89	..	6.5	..	8.2	0	0	28	03	0	1	4	10	4	5	1	3	0
KEONJHARGARH	0830	463	1000.1	949.4	-0.1	26.3	24.1	23.2	28.4	82	+ 0	4.7	-1.9	1.6	0	0	24	07	0	1	0	1	0	14	1	7	0
	1730	463	996.9	946.6	-0.7	28.2	24.9	23.5	28.9	77	- 3	5.2	-2.2	1.8	0	0	28	01	3	0	2	1	13	4	4	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JULY ,1967ASADHA 10 - SRAVANA 9,1 889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gram. of mean standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORRISA(CONTD)																											
BALASORE	0830	20	1000.3	998.0	+0.4	28.4	26.4	25.6	32.8	85	+ 1	6.7	-0.8	11.8	0	2	29	03	1	1	3	9	14	0	0	0	0
	1730	20	997.6	995.4	+0.3	29.5	27.0	26.0	33.6	81	- 2	5.9	-1.6	11.7	0	3	28	01	0	1	6	13	9	0	1	0	0
SAMBALPUR	0830	148	999.8	983.2	-0.7	27.6	25.4	24.4	30.5	84	- 3	5.8	-1.3	2,3	0	0	15	02	0	0	1	0	9	2	1	16	0
	1730	148	997.5	981.0	+0.1	28.1	25.2	23.9	29.7	80	- 2	6.7	-0.7	1.1	0	0	14	00	0	0	0	2	12	0	0	17	0
ANGUL	0830	139	1000.1	984.7	-0.4	28.0	25.5	24.5	30.7	82	+ 0	7.4	+0.4	2.6	0	0	25	02	0	8	1	3	2	9	0	6	0
	1730	139	997.4	982.2	-0.1	29.3	25.9	24.4	30.5	76	- 2	7.8	+0.5	3.3	0	0	29	00	0	7	1	6	2	13	0	2	0
CHANDBALI	0830	6	1000.5	999.8	+0.0	28.7	26.7	25.9	33.4	84	+ 0	7.3	+0.9	4.5	0	0	29	02	0	1	3	5	12	2	4	2	0
	1730	6	998.0	997.3	+0.1	29.3	26.7	25.6	32.8	81	- 2	7.0	+0.7	6.0	0	0	29	00	0	5	9	3	10	0	2	2	0
BOLANGIR	0830	190	1000.2	979.0	-0.2	27.7	25.6	24.7	31.1	84	+ 1	7.0	-0.1	4.1	0	0	28	00	0	2	0	19	3	4	0	3	0
	1730	190	997.3	976.3	-0.6	29.4	26.2	24.8	31.3	77	- 4	7.2	+0.0	3.7	0	0	26	01	1	3	2	7	7	4	1	5	0
PHULBANI	0830	464	1000.3	949.7	..	26.4	23.8	22.7	27.6	80	..	6.5	..	1.7	0	0	15	00	0	1	1	0	8	4	1	16	0
	1730	464	997.3	946.9	..	27.3	24.2	22.9	27.9	78	..	6.6	..	0.6	0	0	6	00	0	0	0	0	3	3	0	25	0
CUTTACK	0830	27	1000.9	997.9	+0.4	28.8	26.4	25.4	32.4	82	- 1	4.5	-2.1	6.2	0	2	26	00	0	1	2	6	8	11	0	3	0
	1730	27	998.2	995.2	+0.5	30.1	26.7	25.5	32.6	77	- 4	4.1	-2.8	5.0	0	0	24	00	0	3	4	2	10	5	0	7	0
TITLAGARH	0830	211	1000.0	976.6	-1.4	27.2	25.2	24.3	30.4	83	+ 2	4.6	-1.3	1.9	0	0	30	00	1	0	3	0	23	0	3	1	0
	1730	211	997.3	974.2	-0.9	29.3	25.8	24.3	30.4	75	- 2	5.0	-0.8	2.0	0	0	31	00	4	0	6	0	17	1	3	0	0
BHUBANESWAR	0230	46	999.1	993.9	..	26.6	25.7	25.3	32.2	93	..	5.9	..	8.4	0	2	26	00	1	0	2	2	18	4	1	3	0
	0530	46	999.2	994.0	..	26.3	25.6	25.3	32.2	94	..	6.9	..	7.0	0	0	27	00	2	1	1	1	15	6	1	4	0
	0830	46	1000.5	995.4	-0.4	28.5	26.3	25.4	32.4	84	+ 0	6.9	+0.1	11.5	0	3	27	00	1	0	1	2	19	5	2	1	0
	1130	46	1000.1	995.0	..	30.5	26.7	25.1	31.9	74	..	7.0	..	16.8	0	13	17	02	0	2	1	2	17	5	1	1	0
	1430	46	998.1	993.0	..	31.0	26.8	25.1	31.9	71	..	6.9	..	19.3	0	16	15	00	0	1	2	4	14	5	5	0	0
	1730	46	997.9	992.8	-0.6	28.9	26.1	24.9	31.5	80	- 1	6.9	+0.0	15.8	0	10	21	01	0	1	1	7	14	6	1	0	0
	2030	46	1000.0	994.9	..	27.3	25.8	25.1	31.9	89	..	6.3	..	10.9	0	3	27	00	0	0	2	5	16	6	1	1	0
	2330	46	1000.3	995.1	..	27.0	25.9	25.5	32.6	91	..	5.7	..	10.7	0	3	26	00	0	0	2	5	16	4	2	2	0
PURI	0830	6	999.5	998.8	-1.2	29.6	28.9	28.7	39.4	94	+11	6.7	+0.2	14.6	0	10	16	00	0	1	0	0	25	0	0	5	0
	1730	6	997.3	996.6	-0.9	29.3	28.6	28.3	38.5	94	+ 9	6.3	-0.2	17.6	0	14	13	00	0	0	0	2	25	0	0	4	0
GOPALPUR	0530	17	999.4	997.5	..	26.8	25.6	25.1	31.9	90	..	6.9	..	10.8	0	7	17	00	0	0	0	3	20	0	1	7	0
	0830	17	1000.8	998.9	-0.1	28.3	26.2	25.3	32.2	84	+ 2	6.8	+0.4	12.6	0	10	15	00	1	0	0	1	21	2	0	6	0
	1130	17	1000.6	998.7	..	30.1	26.9	25.6	32.8	77	..	6.6	..	17.7	0	16	15	01	0	2	4	6	17	1	0	0	0
	1730	17	998.3	996.4	+0.0	28.7	26.4	25.5	32.6	83	- 4	7.1	-0.3	21.0	0	20	11	01	0	2	2	5	19	1	1	0	0
	2330	17	1000.8	998.9	..	27.6	25.9	25.1	31.9	87	..	6.5	..	14.5	0	9	16	01	0	0	0	2	19	3	0	6	0
KORAPUT	0830	913	1439.0	903.2	-0.7	22.8	21.1	20.3	23.8	86	- 4	6.3	+0.7	6.6	0	0	30	00	0	0	0	0	0	30	0	0	0
	1730	913	1417.5	900.9	-1.0	23.1	21.2	20.3	23.8	84	- 1	6.7	-0.4	7.0	0	0	30	00	0	0	0	0	0	30	0	0	0
BIHAR PLATEAU																											
DUMKA	0830	149	1000.0	983.5	+0.2	28.9	26.3	25.3	32.2	80	- 4	5.6	+0.2	4.8	0	0	27	00	2	7	6	4	6	1	1	4	0
	1730	149	997.2	980.9	+0.6	29.5	26.5	25.4	32.4	78	- 3	5.8	+0.2	4.5	0	0	25	01	3	4	7	6	4	0	0	6	0
DALTONGANJ	0830	221	999.2	974.7	+0.0	29.3	26.1	24.7	31.1	78	- 1	6.8	+0.4	1.3	0	0	10	00	2	0	0	0	3	0	0	21	0
	1730	221	996.2	971.9	+0.4	30.6	26.3	24.5	30.7	71	- 6	7.2	+0.3	1.9	0	0	14	00	3	0	2	0	7	0	2	17	0
HAZARIBAGH	0830	611	999.2	932.8	-0.1	26.2	23.9	22.9	27.9	83	- 3	6.8	-0.2	8.6	0	1	28	01	1	6	3	4	6	3	5	2	0
	1730	611	996.4	930.4	+0.0	27.4	24.2	22.8	27.7	78	- 5	6.9	-0.1	7.5	0	0	28	00	1	4	11	2	0	4	6	3	0
DHANBAD	0830	257	999.4	970.9	+0.0	28.1	25.6	24.5	30.7	82	- 1	5.8	-0.6	2.9	0	0	26	00	6	1	11	0	5	0	3	5	0
	1730	257	996.7	968.4	..	28.9	25.8	24.5	30.7	78	..	7.2	..	2.6	0	0	30	00	8	0	17	0	2	0	3	1	0
RANCHI	0830	655	999.8	928.3	+0.2	25.0	21.8	20.3	23.8	76	-10	5.6	-1.4	1.5	0	0	24	00	7	1	1	2	2	1	10	7	0
	1730	655	996.9	926.3	+1.2	27.7	24.5	23.2	26.4	77	- 7	6.0	-1.1	1.0	0	0	16	01	2	0	3	0	2	0	8	15	0
RANCHI AERODROME	0530	652	998.6	927.5	..	23.6	23.0	22.7	27.6	94	..	6.5	..	9.2	0	2	21	00	5	4	1	3	8	1	1	8	0
	0830	652	999.4	928.5	+0.1	25.2	23.5	22.7	27.6	86	+ 0	6.3	-0.9	13.8	0	7	20	01	4	6	1	2	7	4	2	4	0
	1130	652	998.6	928.4	..	27.8	24.1	22.3	26.9	74	..	6.5	..	16.6	0	8	22	01	6	4	3	5	5	4	2	1	0
	1430	652	996.5	926.5	..	28.0	24.2	22.4	27.1	73	..	6.6	..	15.4	0	8	20	00	4	6	6	3	3	3	3	3	0
	1730	652	996.5	926.2	+0.1	26.7	23.8	22.5	27.3	79	- 4	6.6	-0.5	13.3	0	4	23	02	3	7	3	3	3	4	2	4	0
	2030	652	998.9	928.0	..	24.8	23.5	22.9	27.9	89	..	6.0	..	10.1	0	2	23	01	1	4	6	1	6	5	1	6	0
JAMSHEDPUR	0830	129	999.1	984.8	-0.5	28.6	25.9	24.7	31.1	80	- 4	6.1	-0.9	3.5	0	0	25	01	0	7	3	1	3	7	3	6	0
	1730	129	996.5	982.3	-0.8	29.5	26.4	25.1	31.9	78	+ 1	6.6	-0.5	3.4	0	0	26	02	1	10	4	2	2	3	2	5	0
JAMSHEDPUR P.B.U.	0530	142	998.7	982.9	..	26.5	25.3	24.8	31.3	91	..	6.8	..	5.0	0	0	21	00	2	8	3	2	4	2	0	10	0
	0830	142	999.8	984.1	+0.1	28.4	25.9	24.9	31.5	81	- 2	6.4	-0.7	7.5	0	2	26	01	2	7	2	3	7	5	1	3	0
	1130	142	999.1	983.5	..	30.7	26.7	25.0	31.7	72	..	6.5	..	8.7	0	1	30	01	5	5	4	3	8	4	1	0	0
	1430	142	996.9	981.4	..	31.1	26.7	24.9	31.5	71	..	6.9	..	9.0	0	2	25	02	2	7	3	5	6	1	1	4	0
	1730	142	996.8	981.1	-0.1	29.5	26.4	25.1	31.9	78	+ 1	7.2	-0.1	6.6	0	0	26	00	4	8	6	3	3	2	0	5	0
	2030	142	999.0	983.3	..	27.9	26.0	25.2	32.1	85	..	6.2	..	5.9	0	0	28	02	4	11	4	1	3	3	0	3	0
	2330	142	999.7	983.9	..	27.2	25.7	25.1	31.9	89	..	6.0	..	4.8	0	0	23	00	6	9	1	2	3	1	1	8	0
CHAIBASA	0830	226	999.8	974.8	+0.3	28.0	25.2	23.9	29.7	80	- 3	6.9	-0.4	3.4	0	0	24	01	8	0	2	0	10	1	2	7	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JULY 1967(ASADHA 10 - SRAVANA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BIHAR PLATEAU(CONTD.)																											
CHAIBASA	1730	226	997.3	972.4	+0.8	29.3	25.6	23.9	29.7	74	- 6	7.7	+0.2	3.6	0	0	24	01	4	0	7	1	9	0	2	7	0
BIHAR PLAINS																											
MOTIHARI	0830	66	999.7	992.3	+0.0	29.3	27.3	26.5	34.5	86	+ 3	5.6	-0.6	4.7	0	0	26	00	1	18	2	1	1	3	0	1	0
	1730	66	997.2	989.8	+0.8	30.2	28.1	27.3	36.3	85	+ 6	4.8	-0.6	4.2	0	0	21	01	3	10	0	1	1	4	1	5	0
FORBESGANJ	0830	61	1000.3	993.5	-0.2	27.9	26.1	25.3	32.2	86	- 1	6.2	-0.6	3.0	0	0	26	00	4	15	1	0	0	5	1	5	0
	1730	61	997.1	990.4	-0.1	30.5	27.0	25.5	32.6	76	- 2	4.6	-1.2	2.3	0	0	28	00	3	12	6	0	3	4	0	3	0
DARBHANGA	0830	49	1000.0	994.5	-0.1	29.9	26.9	25.7	33.0	79	- 4	5.7	-1.0	2.9	0	0	19	00	1	10	5	0	0	1	2	12	0
	1730	49	996.9	991.5	+0.3	30.8	27.2	25.7	33.0	77	+ 0	4.3	-1.0	2.3	0	0	14	00	4	4	4	0	0	2	0	17	0
MUZAFFARPUR	0830		..	..	..	29.5	27.4	26.5	34.6	85	..	5.3	..	3.2	0	0	20	00	1	15	0	1	0	3	0	11	0
	1730		..	..	..	30.4	27.4	26.2	34.0	79	..	3.8	..	1.9	0	0	13	00	1	8	0	0	1	3	0	18	0
CHAPRA	0830	58	998.9	992.5	..	30.1	26.9	25.6	32.8	78	..	6.5	..	2.5	0	0	30	00	9	1	10	1	8	1	0	1	0
	1730	58	996.1	989.7	..	31.4	27.2	25.5	32.6	72	..	6.2	..	2.3	0	0	26	00	11	2	5	0	3	0	5	5	0
PURNEA	0830	38	1000.3	996.0	-0.3	28.8	26.7	25.9	33.4	84	- 1	5.5	-1.2	2.3	0	0	28	00	0	20	1	3	0	4	0	3	0
	1730	38	997.2	993.1	+0.0	30.3	27.3	26.1	33.8	79	- 2	5.4	-0.3	1.7	0	0	23	01	1	16	2	1	0	2	0	8	0
PATNA	0830	53	999.4	993.5	-0.1	29.3	26.6	25.5	32.6	81	+ 0	5.9	+1.4	8.9	0	0	31	00	11	3	5	2	3	5	2	0	0
	1730	53	996.3	990.5	+0.0	31.3	27.1	25.4	32.4	73	- 2	5.7	-0.7	7.9	0	0	28	03	13	5	1	1	1	3	1	3	0
PATNA AERODROME	0530	60	997.9	991.1	..	27.3	25.8	25.1	31.9	88	..	6.4	..	8.9	0	1	25	00	2	13	3	0	3	4	1	5	0
	0830	60	998.9	992.2	-0.6	29.6	26.5	25.3	32.2	78	- 5	6.6	+0.0	12.5	0	3	28	00	1	14	6	2	3	3	2	0	0
	1130	60	998.7	992.1	..	31.9	27.1	25.1	31.9	68	..	6.8	..	12.1	0	6	24	00	0	14	3	1	1	5	2	1	4
	1430	60	996.4	989.8	..	32.7	27.1	24.8	31.3	65	..	6.6	..	14.9	0	10	19	02	1	13	3	1	1	4	4	2	0
	1730	60	995.9	989.1	-0.6	31.5	26.7	24.7	31.1	69	- 6	6.4	+0.1	12.5	0	6	25	03	4	14	2	0	0	4	4	0	0
	2030	60	997.9	991.2	..	29.5	26.7	25.5	32.6	79	..	5.7	..	7.9	0	4	20	01	3	10	3	1	1	3	1	7	1
	2330	60	998.6	991.9	..	28.5	26.6	25.9	33.4	85	..	5.4	..	9.4	0	3	24	02	3	11	5	0	2	3	0	4	1
BHAGALPUR	0530	49	998.7	993.2	..	27.1	26.1	25.7	33.0	92	..	6.9	..	3.1	0	0	31	00	0	11	8	10	1	1	0	0	0
	0830	49	999.7	994.3	-1.0	29.8	27.0	25.9	33.4	80	- 4	6.5	-0.3	4.1	0	0	31	01	0	9	14	3	2	2	0	0	0
	1130	49	999.3	993.9	..	31.9	27.5	25.7	33.0	70	..	6.6	..	4.1	0	0	31	00	3	10	11	2	0	2	3	0	0
	1730	49	996.7	991.3	-0.9	30.9	27.0	25.4	32.4	74	- 5	6.6	+0.1	3.9	0	1	28	01	1	13	6	3	1	3	1	2	0
	2330	49	999.6	994.1	..	28.2	26.5	25.8	33.2	88	..	5.6	..	3.0	0	0	30	00	1	11	7	8	1	2	0	1	0
SABAUR	0830	37	1000.1	995.9	+0.1	29.4	27.7	27.1	35.9	87	+ 1	6.4	-0.5	8.8	0	3	28	01	0	10	11	5	2	2	0	0	0
	1730	37	996.9	992.8	+0.2	30.7	28.3	27.4	36.5	84	+ 2	6.5	-0.2	9.1	0	1	29	00	0	19	4	0	0	3	4	1	0
JAMUI	0830	82	(R)																								
	1730	82	(R)																								
DEHRI	0830	107	998.7	986.8	-0.7	30.0	26.5	25.1	31.9	76	- 8	6.5	+0.1	3.8	0	0	31	00	2	6	10	2	4	5	2	0	0
	1730	107	994.9	983.2	-1.0	32.0	27.5	25.7	33.0	71	- 4	7.0	+0.2	3.7	0	0	30	01	6	8	4	1	2	7	1	1	0
GAYA	0230	116	998.4	985.3	..	27.4	25.8	25.1	31.9	88	..	5.7	..	8.4	0	3	26	01	5	8	3	6	5	0	1	2	0
	0530	116	998.4	985.5	..	27.0	25.7	25.1	31.9	90	..	6.1	..	8.5	0	3	21	01	5	5	3	4	6	0	0	7	0
	0830	116	999.5	986.6	+0.4	29.6	26.4	25.1	31.9	78	- 1	6.4	+0.3	13.5	0	7	22	00	6	5	5	2	7	2	2	2	0
	1130	116	999.1	986.3	..	32.1	26.9	24.8	31.3	66	..	6.6	..	13.2	0	7	21	02	6	4	4	0	3	7	2	3	0
	1430	116	996.9	984.2	..	32.5	26.9	24.5	30.7	64	..	6.9	..	16.1	0	10	21	03	7	4	4	0	2	7	4	0	0
	1730	116	996.2	983.5	+0.5	31.1	26.5	24.5	30.7	70	- 2	6.8	+0.4	15.4	0	9	21	03	5	7	1	2	4	5	3	1	0
	2030	116	998.3	985.4	..	29.3	26.5	25.3	32.2	80	..	6.5	..	10.6	0	5	23	04	8	6	0	4	4	1	1	3	0
	2330	116	999.2	986.3	..	28.0	26.2	25.4	32.4	85	..	6.2	..	9.6	0	5	22	00	2	10	6	4	3	1	1	4	0
UTTAR PRADESH EAST																											
KHERI	0830	147	(R)																								
	1730	147	(R)																								
BAHRAICH	0830	124	(R)																								
	1730	124	(R)																								
NAUTANWA	0830	99	999.5	988.1	-0.6	28.7	26.4	25.4	32.4	83	+ 0	4.8	-0.7	4.4	0	0	26	01	1	11	5	0	3	0	5	5	0
	1730	99	996.6	985.7	+0.0	31.0	27.3	25.8	33.2	75	- 1	4.8	+0.2	5.2	0	0	26	00	7	13	0	0	3	1	2	5	0
HARDOI	0830	142	998.2	982.4	-0.9	28.8	26.5	25.6	32.8	82	- 2	4.9	-0.6	2.9	0	0	26	02	0	12	1	2	1	7	1	4	0
	1730	142	995.9	980.2	+0.0	30.4	27.3	26.3	34.2	79	+ 5	5.0	+0.0	2.1	0	0	23	00	0	12	2	2	0	7	0	7	0
GONDA	0830	110	999.2	986.9	-0.5	29.4	26.7	25.6	32.8	80	- 4	5.3	-0.9	2.8	0	0	24	02	0	17	0	0	0	2	3	7	0
	1730	110	996.1	983.7	-0.3	31.3	27.4	26.0	33.6	74	- 2	5.2	-0.4	1.8	0	0	19	04	0	12	0	0	0	0	3	12	0
LUCKNOW	0830	111	997.9	985.6	-0.9	28.8	26.3	25.2	32.1	81	- 1	5.4	-0.8	1.0	0	0	9	01	0	7	0	0	0	1	0	22	0
	1730	111	995.1	982.9	-0.5	31.0	27.3	25.8	33.2	74	- 2	5.7	+0.0	0.6	0	0	6	00	0	0	0	2	0	2	0	25	2
LUCKNOW(AMAUSI)	0230	128	997.2	983.0	..	27.5	25.8	25.1	31.9	87	..	5.1	..	7.1	0	2	19	00	4	6	3	2	4	2	0	10	0
	0530	128	997.2	983.0	..	27.2	25.7	25.0	31.7	88	..	5.8	..	6.8	0	9	9	00	2	8	3	0	3	2	0	13	0
	0830	128	998.6	984.5	-0.2	29.2	26.2	24.9	31.5	78	- 6	6.0	-0.5	10.9	0	5	22	00	0	8	6	4	3	5	1	4	0
	1130	128	998.6	984.5	..	31.0	26.7	24.9	31.5	71	..	6.5	..	12.5	0	6	22	01	1	7	8	2	1	6	2	3	0
	1430	128	196.6	982.5	..	31.9	26.8	24.6	30.9	66	..	6.3	..	12.7	0	4	26	01	3	8	5	3	1	4	5	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JULY ,1967ASADHA 10 - SRAVANA 9,1 889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or lt. in gpm. of nearest standard isobaric level	Mean pressure in mbs.: At station level	Mean pressure in mbs.: Departure from normal	Mean temperature in °C: Dry Bulb	Mean temperature in °C: Wet Bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 62 or more	Wind Speed: 20 to 61	Wind Speed: 1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																											
LUCKNOW(AMAUSI)	1730	128	995.6	981.6	-0.3	31.3	26.6	24.6	30.9	69	-5	6.7	+0.5	9.8	0	5	20	02	2	6	5	2	2	4	2	6	0
	2030	128	997.2	983.0	..	29.1	26.6	25.6	32.8	81	..	5.7	..	5.2	0	1	17	00	1	5	5	2	4	0	1	13	0
	2330	128	998.1	983.9	..	28.1	26.1	25.3	32.2	85	..	5.0	..	6.8	0	2	22	01	1	7	5	3	4	2	1	7	0
FAIZABAD	0830	102	998.7	987.4	+0.0	29.3	26.8	25.8	33.2	82	-3	5.8	-0.5	3.9	0	0	26	00	1	5	12	1	0	6	1	5	0
	1730	102	995.6	984.7	+0.4	31.4	27.6	26.1	33.8	74	-1	6.3	+0.8	5.0	0	0	24	01	4	3	10	0	0	1	5	7	0
GORAKHPUR	0830	77	998.9	990.4	-0.3	29.3	26.5	25.3	32.2	79	-4	5.8	-0.3	2.3	0	0	28	00	0	17	0	4	4	3	0	3	0
	1730	77	996.0	987.5	-0.1	31.8	27.3	25.5	32.6	71	-5	5.5	+0.2	2.7	0	0	27	03	1	13	0	3	1	6	0	4	0
GORKHPUR P.B.O.	0230	78	..	..	..	..	..	..	..	..	..	5.0	..	5.7	0	0	24	02	3	11	1	0	3	4	0	7	0
	0530	78	..	..	..	..	..	..	..	..	..	6.3	..	5.2	0	0	27	01	6	7	6	2	2	1	2	4	0
	1130	78	..	..	..	..	..	..	..	..	..	6.9	..	9.4	0	3	28	01	2	9	9	2	2	5	1	0	0
	1430	78	..	..	..	..	..	..	..	..	..	6.9	..	10.4	0	4	27	03	0	8	7	3	5	4	1	0	0
	2030	78	..	..	..	..	..	..	..	..	..	4.9	..	7.8	0	4	21	00	8	5	6	0	3	3	0	6	0
	2330	78	..	..	..	..	..	..	..	..	..	5.5	..	7.4	0	3	23	01	4	9	4	1	4	2	1	5	0
KANPUR	0830	126	998.7	984.6	-0.2	28.9	26.1	24.9	31.5	80	-1	5.7	+0.1	6.6	0	0	28	00	0	13	1	2	5	7	0	3	0
	1730	126	996.1	982.2	+0.3	31.6	26.4	24.2	30.2	67	-1	7.1	+1.4	6.8	0	0	30	01	3	11	1	3	1	9	1	1	0
KANPUR(AERODROME)	0530	126	997.2	983.2	..	27.4	25.7	24.9	31.7	87	..	6.0	..	7.6	0	2	21	00	2	5	6	1	4	5	0	8	0
	0830	126	998.6	984.7	..	29.7	26.6	25.3	32.2	78	..	6.0	..	12.0	0	2	29	00	1	5	9	4	6	4	1	0	1
	1130	126	998.6	984.8	..	32.2	27.3	25.3	32.2	68	..	6.7	..	11.7	0	4	27	01	2	2	7	4	6	6	1	0	2
	1730	126	995.6	981.8	..	31.8	26.9	24.9	31.5	68	..	6.5	..	12.1	0	1	29	02	2	6	6	3	2	7	2	1	0
	2330	126	998.1	984.1	..	28.5	26.3	25.3	32.2	83	..	5.0	..	7.7	0	1	25	01	1	6	5	5	1	4	3	5	0
SULTANPUR	0830	97	999.9	989.1	+1.0	29.2	26.5	25.3	32.2	80	-1	5.4	-0.6	3.0	0	0	22	00	0	5	9	6	1	1	0	9	0
	1730	97	995.8	985.1	+0.2	31.8	27.8	26.2	34.0	73	-1	5.7	-0.2	2.3	0	0	22	02	1	7	3	0	3	3	3	9	0
AZAMGARH	0830	78	999.0	990.3	-0.1	29.1	27.5	26.1	33.8	85	-1	6.4	+0.2	5.2	0	0	26	00	4	9	1	1	6	5	0	5	0
	1730	78	995.7	988.1	+0.6	31.7	28.3	26.9	35.4	77	-3	6.0	+1.1	3.4	0	0	22	06	2	5	0	1	4	4	0	9	0
FATEHPUR	0830	114	998.8	986.1	+0.3	29.5	26.0	24.5	30.7	75	-6	5.9	+0.2	8.6	0	2	26	01	2	6	5	3	8	3	0	3	0
	1730	114	995.9	983.3	+0.5	30.9	25.8	23.4	28.8	67	-6	6.1	+0.7	6.3	0	0	25	01	5	4	2	2	8	3	0	6	0
BALLIA	0830	64	999.3	992.3	+0.2	29.7	27.3	26.2	34.0	82	-2	6.6	+0.5	2.4	0	0	26	00	3	10	3	0	1	8	1	5	0
	1730	64	996.3	989.3	-0.3	31.5	27.5	25.8	33.2	73	+1	7.3	+2.2	2.3	0	0	18	00	1	10	2	0	0	4	1	13	0
BANDA	0830	121	998.6	985.0	-0.9	29.2	26.8	25.7	33.0	82	-1	7.6	+2.5	6.9	0	0	26	00	4	0	3	0	16	0	3	5	0
	1730	121	995.0	982.3	-0.5	31.6	27.8	26.2	34.0	72	-4	4.0	-1.0	2.4	0	0	27	00	6	0	1	0	17	0	3	4	0
ALLAHABAD(BAMHRAULI)	0230	98	997.5	986.6	..	27.7	26.0	25.3	32.2	87	..	5.4	..	2.5	0	0	17	00	3	3	3	3	4	1	0	14	0
	0530	98	997.7	986.7	..	27.3	25.8	25.1	31.9	89	..	6.2	..	3.2	0	0	18	01	2	4	2	3	5	1	0	13	0
	0830	98	998.9	988.0	+0.1	29.2	26.2	25.3	32.2	80	+0	6.5	-0.1	5.0	0	0	25	01	3	9	2	0	8	2	0	6	0
	1130	98	999.0	988.1	..	31.8	27.3	25.4	32.4	70	..	6.3	..	7.1	0	2	26	00	4	9	2	3	3	7	0	3	0
	1430	98	996.8	986.0	..	32.7	27.4	25.2	32.1	66	..	6.1	..	7.3	0	3	24	04	8	3	0	2	5	5	0	4	0
	1730	98	995.8	985.0	+0.1	31.7	27.1	25.3	32.2	70	-1	6.6	-0.1	6.7	0	1	26	01	3	5	0	2	8	6	2	4	0
	2030	98	997.7	986.7	..	29.1	26.6	25.4	32.4	82	..	5.1	..	2.7	0	0	18	00	2	2	3	5	4	1	1	13	0
	2330	98	998.3	987.5	..	28.2	26.3	25.4	32.4	85	..	5.5	..	2.4	0	0	20	00	5	4	5	2	3	1	0	11	0
VARANASI(BABATPUR)	0530	85	997.9	988.2	..	27.1	25.6	24.9	31.5	88	..	5.8	..	6.8	0	0	24	03	5	8	0	2	3	3	0	7	0
	0830	85	998.9	989.3	-0.9	29.2	26.4	25.2	32.1	80	-2	6.1	-0.3	11.0	0	3	28	00	2	10	1	3	6	4	1	0	4
	1130	85	998.8	989.3	..	31.7	27.1	25.2	32.1	69	..	6.6	..	11.7	0	2	29	02	3	9	1	1	3	9	1	0	2
	1730	85	995.7	986.5	-0.8	31.9	26.9	24.8	31.3	68	-5	6.1	-0.1	11.5	0	2	29	02	4	9	1	1	1	7	2	0	4
	2330	85	998.5	988.9	..	28.2	26.3	25.6	32.8	85	..	4.9	..	7.3	0	0	27	00	3	9	1	3	3	6	0	4	2
VARANASI	0830	76	998.7	990.2	-0.1	29.4	25.3	24.9	31.4	78	-3	6.5	+0.1	3.0	0	0	26	01	0	6	2	0	2	13	2	5	0
	1730	76	995.4	987.1	-0.1	32.8	27.2	24.4	30.5	61	-12	6.4	+0.0	3.5	0	0	22	01	5	4	2	0	0	9	1	9	0
UTTAR PRADESH WEST																											
MUKHIM	0830		..	..	..	18.9	17.8	17.4	19.9	90	-1	6.6	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	21.1	19.0	17.9	20.5	83	-4	6.7	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TEHRI	0830	770	1008.5	924.9	..	26.2	23.5	22.3	26.9	80	-2	6.2	-0.2	4.3	0	0	25	00	5	4	0	7	1	5	3	6	0
	1130	770	1006.2	923.7	..	29.5	23.9	21.5	25.6	63	..	5.4	..	5.7	0	0	24	00	1	1	5	4	6	6	1	7	0
	1730	770	1003.6	921.6	..	31.1	24.3	21.4	25.5	57	-5	6.7	+1.3	5.6	0	0	23	00	0	1	7	7	4	1	3	8	0
DEHRA DUN	0530	682	998.5	924.1	..	23.9	23.2	22.9	27.9	91	..	7.1	..	0.2	0	0	3	00	1	0	0	1	0	0	1	28	0
	0830	682	999.5	925.2	+0.0	25.0	23.8	23.2	28.4	90	+5	7.0	+0.7	0.1	0	0	2	01	0	0	1	0	0	0	0	29	0
	1130	682	999.2	925.5	..	27.1	24.6	23.6	29.1	83	..	6.6	..	0.9	0	0	9	00	0	1	2	3	1	1	1	22	0
	1730	682	996.0	923.7	+1.2	28.0	25.1	24.0	29.8	80	+3	6.5	+1.0	0.6	0	0	7	01	1	0	1	0	2	1	1	24	0
	2330	682	998.8	924.6	..	25.2	24.2	23.8	29.5	92	..	5.8	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
MANSIARI	0830		..	..	..	18.0	16.7	16.0	18.2	88	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	18.8	17.4	16.7	19.0	87	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ROORKEE	0830	274	999.7	969.3	+0.7	26.7	24.8	23.9	29.7	85	+5	5.8	+0.1	1.0	0	0	16	00	2	0	8	0	0	0	6	15	0
	1730	274	996.0	966.2	+0.5	31.2	26.8	24.9	31.4	70	+2	4.1	-1.1	1.2	0	0	19	00	3	0	7	0	1	0	8	12	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS— JULY •1967ASADHA 10 - SRAVANA 9,1 889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or Ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p.h.) 62 or more	20 to 61	1 to 19	No. of observations Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST(CONTD.)																											
NAJIBABAD	0830	270	999.6	969.2	-0.5	25.8	25.2	24.6	30.9	89	+ 6	7.3	+2.3	4.9	0	0	30	02	3	21	1	0	0	2	1	1	0
	1730	270	996.3	967.1	-0.2	31.0	26.8	25.0	31.7	71	+ 2	6.6	+2.7	3.2	0	0	28	02	0	22	0	0	1	3	0	3	0
MEERUT	0830	222	998.7	974.2	-0.4	28.5	26.2	25.3	32.2	80	+ 1	1.7	-2.3	2.4	0	0	17	00	3	12	1	0	0	1	0	14	0
BAREILLY	0830	173	998.9	979.6	+0.0	28.5	26.4	25.5	32.6	85	+ 4	6.3	+0.3	8.6	0	0	31	00	3	17	1	1	2	5	2	0	0
	1730	173	995.8	976.8	+0.3	31.6	27.3	25.6	32.8	72	+ 1	5.8	-0.1	4.3	0	0	30	03	1	12	2	2	4	6	0	1	0
BAREILLY P.B.O	0230	172	997.3	978.0	..	28.0	26.3	25.8	33.2	88	..	5.2	..	8.1	0	1	27	00	2	15	5	2	1	2	1	3	0
	0530	172	997.7	978.4	..	27.3	25.9	25.4	32.4	90	..	6.7	..	5.9	0	0	25	01	6	9	4	1	2	2	0	6	0
	1130	172	998.9	979.8	..	30.8	27.2	25.9	33.4	76	..	6.8	..	7.8	0	2	27	01	1	7	12	0	1	7	0	2	0
	1430	172	996.9	978.2	..	32.3	27.6	26.1	33.8	71	..	6.4	..	7.3	0	2	27	01	0	10	16	1	5	2	0	2	0
	2030	172	997.0	977.9	..	29.7	27.0	26.0	33.6	81	..	4.5	..	6.1	0	0	27	01	1	7	10	1	1	5	1	4	0
	2330	172	998.0	978.8	..	28.7	26.7	26.1	33.8	86	..	4.3	..	5.8	0	0	26	00	0	14	7	1	1	3	0	5	0
ALIGARH	0830	187	998.9	977.8	+0.1	29.0	26.3	24.8	31.3	80	+ 3	5.9	+0.6	7.2	0	0	28	02	1	14	0	0	4	6	1	3	0
	1730	187	996.0	975.0	+0.2	31.5	27.2	25.2	32.0	72	+ 7	7.1	+1.8	3.5	0	0	26	05	0	7	2	3	2	7	0	5	0
MAINPURI	0830	157	998.7	981.4	+0.2	29.7	26.5	25.1	31.9	77	- 2	5.7	-0.1	5.3	0	0	22	00	0	13	1	0	1	7	0	9	0
	1730	157	995.0	977.9	-0.5	33.4	27.4	24.9	31.4	62	- 7	5.1	-0.6	4.5	0	0	21	00	5	0	0	5	2	9	0	10	0
AGRA	0830	169	998.4	979.8	-0.1	30.0	26.9	25.7	33.0	73	- 2	3.2	-2.1	0.6	0	0	6	00	0	0	0	0	2	0	4	25	0
	1730	169	995;2	976.8	+0.0	33.0	28.0	25.9	33.4	68	+ 2	3.0	-2.4	0.7	0	0	5	00	2	0	0	0	2	0	1	26	0
AGRA AERODROME	0230	169	996.9	978.2	..	28.1	26.0	24.8	31.3	84	..	4.7	..	11.5	0	2	24	01	0	4	8	4	5	4	0	5	0
	0530	169	997.1	978.4	..	27.6	25.7	24.8	31.3	86	..	5.0	..	13.9	C	5	25	02	1	3	10	3	2	7	2	1	0
	0830	169	998.4	979.8	..	29.5	26.4	25.0	31.7	77	..	5.6	..	16.6	0	8	20	00	1	1	7	4	3	10	2	3	0
	1130	169	998.5	980.0	..	32.4	27.3	25.2	32.1	67	..	5.8	..	17.9	0	7	22	03	1	1	7	3	2	9	3	2	0
	1730	169	995.3	976.9	..	32.9	27.4	25.2	32.1	65	..	5.9	..	16.5	0	6	23	05	4	3	6	0	5	1	5	2	0
	2330	169	997.6	979.0	..	28.9	26.2	25.0	31.7	81	..	4.8	..	11.1	0	3	23	02	1	3	7	4	3	5	1	5	0
ORAI	0830	141	999.4	983.8	-0.1	31.0	26.7	24.9	31.5	71	- 9	5.7	+0.4	3.1	0	0	31	06	11	0	1	0	0	1	12	0	0
	1730	141	994.6	979.1	-1.8	31.5	26.3	24.0	29.8	67	- 5	6.3	+1.0	2.9	0	0	31	09	5	1	0	0	0	6	10	0	0
JHANSI	0830	251	999.1	971.4	+0.2	28.9	25.3	23.7	29.3	75	- 3	5.8	+0.2	2.7	0	0	21	01	1	7	0	3	0	9	0	10	0
	1730	251	995.6	968.1	-0.3	31.5	26.2	24.0	29.8	66	- 4	6.3	+0.2	2.3	0	0	23	07	0	7	2	0	7	0	0	8	0
HARYANA(INCLUDING DELHI AND CHANDIGARH)																											
CHANDIGARH	0830	347	998.1	959.5	-0.7	27.1	24.9	24.3	30.4	83	+ 6	5.0	+0.6	1.4	0	0	10	00	8	0	1	0	0	0	1	21	0
	1730	347	994.9	956.7	-1.0	32.3	26.4	23.6	29.1	62	- 2	4.0	+1.4	1.2	0	0	9	00	1	0	6	0	2	0	0	22	0
AMBALA	0830	272	998.1	968.4	+0.1	27.7	25.3	24.3	30.4	82	+ 4	5.2	+0.7	3.0	0	0	19	00	1	1	13	0	1	1	2	12	0
	1730	272	994.3	964.9	-0.4	32.4	27.0	25.8	31.7	67	+ 4	3.0	-0.8	2.3	0	0	19	00	4	0	9	0	1	0	5	12	0
AMBALA P.B.O	0230	278	996.5	965.9	..	28.7	26.2	25.4	32.4	82	..	4.1	..	4.3	0	1	-16	01	1	2	13	0	0	0	0	14	0
	0530	278	996.8	966.1	..	27.4	25.7	25.0	31.7	87	..	5.5	..	5.3	0	1	19	00	0	0	19	0	0	1	0	11	0
	1130	278	998.2	967.6	..	30.5	26.3	25.0	31.7	74	..	5.4	..	7.2	0	3	22	00	2	2	17	0	0	1	3	6	0
	1430	278	996.4	966.1	..	32.2	26.9	24.8	31.3	66	..	5.3	..	6.0	0	1	23	02	1	1	15	0	1	1	3	7	0
	2030	278	995.7	965.3	..	30.7	26.9	25.6	32.8	75	..	3.4	..	3.8	0	0	19	01	3	0	14	0	0	0	1	12	0
	2330	278	997.2	966.6	..	29.6	26.6	25.4	32.4	74	..	2.7	..	4.2	0	1	15	00	0	2	12	0	0	0	1	15	1
AMBALA AERODROME	0530	274	996.9	966.5	..	26.5	25.6	25.3	32.2	93	..	5.4	..	10.1	0	1	21	00	2	13	6	0	0	1	0	9	0
	0830	274	998.1	967.5	..	27.6	25.7	24.8	31.3	84	..	6.3	..	13.2	0	7	18	01	3	10	7	1	1	0	2	6	0
	1130	274	998.1	968.0	..	30.0	26.5	25.2	32.0	76	..	5.7	..	16.3	0	10	18	00	1	12	9	1	1	1	3	3	0
	1730	274	994.6	965.1	..	32.4	27.4	25.4	32.4	69	..	4.8	..	11.8	0	5	21	00	2	4	11	2	2	1	4	5	0
	2330	274	996.7	966.6	..	28.2	26.4	25.6	32.8	85	..	3.6	..	9.7	0	4	20	00	1	10	8	1	1	0	1	7	2
KARNAL	0830	249	998.1	970.6	-0.4	29.0	26.0	24.6	30.6	78	- 1	5.0	+0.1	3.4	0	0	27	02	4	4	4	1	2	2	8	4	0
	1730	249	994.7	967.6	-0.9	32.9	26.7	24.1	30.0	63	+ 1	2.3	-2.5	2.1	0	0	23	00	2	8	3	4	0	0	6	8.	0
HISSAR	0530	221	996.3	971.9	..	28.1	25.4	24.1	30.0	80	..	3.6	..	8.2	0	4	27	00	0	10	7	4	7	3	0	0	0
	0830	221	999.6	974.1	+0.3	30.1	26.3	24.7	31.1	74	+ 3	2.9	+0.0	5.5	0	0	30	00	0	4	9	6	2	9	0	1	0
	1130	221	997.4	973.4	..	33.4	27.5	25.1	31.9	63	..	4.3	..	11.4	0	2	29	00	0	1	8	5	4	3	10	0	0
	1430	221	995.5	971.7	..	34.7	27.7	24.8	31.3	58	..	5.0	..	9.0	0	0	30	01	0	6	9	3	4	5	2	1	0
	1730	221	993.7	970.6	-0.2	34.2	27.7	25.3	32.2	62	+ 6	4.4	+1.1	5.5	0	1	26	02	2	7	7	3	3	3	0	4	0
	2330	221	996.3	972.1	..	30.2	26.5	24.9	31.5	75	..	2.2	..	7.7	0	1	27	00	0	6	12	3	4	2	1	3	0
NEW DELHI/SAFDARJUNG	0230	216	997.2	973.3	..	28.7	25.9	24.7	31.1	80	..	5.4	..	9.9	0	4	23	00	1	11	8	1	4	1	1	4	0
	0530	216	997.3	973.3	..	27.7	25.5	24.5	30.7	84	..	5.7	..	10.5	0	5	22	00	2	10	5	1	4	5	0	4	0
	0830	216	998.5	974.6	+0.3	29.2	25.8	24.3	30.4	76	+ 3	5.6	+0.4	15.1	0	9	22	00	1	10	6	3	5	4	2	0	0
	1130	216	998.5	974.7	..	31.7	26.5	24.3	30.4	66	..	6.2	..	16.3	0	10	20	00	0	12	4	1	2	6	5	1	0
	1430	216	996.9	973.3	..	33.1	27.0	24.4	30.5	62	..	4.3	..	16.3	0	9	21	01	0	10	6	2	4	3	4	1	0
	1730	216	995.8	972.1	+1.0	32.2	26.8	24.5	30.7	66	+ 6	5.9	+0.6	11.0	0	4	25	01	1	10	4	2	4	3	4	2	0
	2030	216	996.6	972.9	..	30.5	26.5	24.7	31.1	73	..	5.2	..	6.9	0	2	19	00	2	10	6	0	2	1	0	10	0
	2330	216	997.5	973.9	..	29.4	26.3	24.9	31.5	78	..	4.8	..	8.8	0	2	25	00	0	9	10	4	3	1	0	4	0
PALAM AERODROME	0230	233	996.7	971.0	..	28.0	25.8	24.8	31.3	81	..	5.3	..	15.0	0	5	26	01	0	8	11	3	5	2	1	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JULY ,1967ASADHA 10 - SRAVANA 9,1 889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HARYANA (INCLUDING DELHI AND CHANDIGARH) (CONTD.)																											
PALAM AERODROME	0530	233	996.9	971.1	..	27.0	25.3	24.5	30.7	87	..	5.3	..	14.7	0	4	27	02	0	8	9	1	6	5	0	0	0
	0830	233	998.1	972.4	..	28.8	25.7	24.4	30.6	78	..	5.5	..	18.5	0	14	17	00	0	9	7	3	5	6	1	0	0
	1130	233	998.2	972.7	..	30.9	26.2	23.9	29.6	68	..	5.9	..	19.1	0	15	16	00	0	6	10	2	4	4	5	0	0
	1430	233	996.5	971.2	..	32.6	26.6	24.4	30.1	63	..	6.3	..	19.5	0	10	21	01	3	6	9	1	5	3	3	0	0
	1730	233	995.2	969.7	..	31.8	26.5	24.2	30.2	67	..	5.9	..	16.3	0	11	20	02	2	9	5	4	2	4	3	0	0
	2030	233	996.5	970.6	..	29.8	26.4	25.0	31.7	76	..	4.7	..	13.7	0	6	25	00	0	1	11	9	4	4	2	0	0
	2330	233	997.4	971.7	..	28.6	25.9	24.7	31.1	80	..	4.5	..	14.1	0	7	21	00	0	8	12	4	3	1	0	3	0
PUNJAB																											
PATHANKOT	0530	312	997.2	962.7	..	26.2	24.5	23.7	29.3	86	..	6.7	..	10.2	0	4	20	06	8	5	3	1	1	0	0	7	0
	0830	312	998.3	963.5	-0.7	27.4	25.0	23.7	29.3	82	+ 7	6.2	+0.8	10.3	0	3	21	01	6	12	2	3	0	0	0	7	0
	1130	312	998.6	964.2	..	30.1	25.9	24.0	29.8	70	..	5.7	..	9.7	0	1	25	04	3	8	3	4	3	1	0	5	0
	1730	312	995.2	961.2	-1.2	31.7	26.4	23.9	29.6	62	+ 1	4.8	+0.1	9.0	1	1	20	01	3	3	1	7	3	3	1	9	0
	2330	312	997.2	962.9	..	28.1	25.5	24.6	30.9	78	..	4.0	..	7.2	0	1	18	03	6	5	2	3	0	0	0	12	0
AMRITSAR	0530	234	996.6	970.7	..	27.1	25.4	24.7	31.1	87	..	5.7	..	11.1	0	6	21	00	10	12	4	1	0	0	0	4	0
	0830	234	997.7	972.0	-0.5	29.2	26.0	24.7	31.1	77	+ 2	5.3	+1.5	16.0	0	12	18	00	7	14	7	0	2	0	0	1	0
	1130	234	997.7	972.2	..	32.2	26.8	24.4	30.5	65	..	5.3	..	16.2	0	12	17	01	3	10	9	1	0	3	2	2	0
	1430	234	996.2	970.8	..	33.3	27.0	24.4	30.5	61	..	5.5	..	14.8	0	8	22	01	8	8	10	1	1	1	0	1	0
	1730	234	994.6	969.2	-0.3	32.8	26.8	24.2	30.2	63	+ 6	5.2	+2.0	13.5	0	8	19	01	6	9	4	4	1	1	1	4	0
	2030	234	995.4	969.7	..	30.1	26.4	24.9	31.5	75	..	4.8	..	8.5	0	1	24	02	8	11	1	2	0	0	1	6	0
ADAMPUR AERODROME	0830	249	998.1	970.6	..	28.6	24.7	23.0	28.1	73	..	5.3	..	15.0	0	3	25	04	3	6	7	4	2	1	1	3	0
	1730	249	995.3	968.2	..	32.2	26.2	23.6	28.6	62	..	4.4	..	11.4	0	7	22	02	3	7	0	12	5	0	0	2	0
LUDHIANA	0830	247	997.7	970.6	-0.6	29.4	26.1	24.6	30.9	76	+ 2	4.7	+0.2	4.8	0	0	26	00	4	9	10	1	1	0	1	5	0
	1730	247	994.5	967.8	-0.4	33.0	26.9	24.3	30.4	62	+ 2	4.7	+0.7	5.7	0	1	28	01	5	1	15	2	2	0	3	2	0
FEROZEPUR	0830	200	998.2	976.1	+0.4	30.1	26.6	25.1	31.9	75	+ 2	2.8	-0.2	2.3	0	0	24	02	0	1	7	10	3	1	0	7	0
	1730	200	996.6	974.9	+2.1	33.7	27.4	24.8	31.3	63	+ 7	5.0	+2.1	3.5	0	0	25	05	4	3	6	1	1	0	5	6	0
HALWARA AERODROME	0530	242	996.6	969.9	..	27.2	25.6	24.6	30.9	88	..	4.6	..	14.0	0	8	19	00	2	5	13	4	3	0	0	4	0
	0830	242	997.7	971.2	..	29.6	26.2	24.7	31.1	76	..	4.8	..	16.5	0	9	19	01	0	4	15	3	2	1	1	3	0
	1130	242	997.6	971.3	..	32.5	27.1	24.6	30.9	64	..	5.0	..	18.8	0	13	17	01	1	5	12	4	2	2	3	1	0
	1730	242	994.6	968.4	..	32.7	26.7	24.1	30.0	63	..	5.0	..	16.7	0	7	23	03	0	4	10	3	4	3	3	1	0
	2330	242	996.7	970.1	..	28.4	26.2	25.3	32.2	84	..	3.1	..	11.2	0	4	23	02	1	5	15	4	0	0	0	4	0
PATIALA	0830	251	999.0	971.4	+0.5	28.5	25.7	24.5	30.7	79	+ 2	5.3	+0.6	6.7	0	2	15	01	0	0	14	1	0	0	1	14	0
	1730	251	995.4	968.2	+0.1	32.6	26.9	24.7	31.1	65	+ 5	4.1	-0.7	6.2	0	0	17	01	0	0	13	1	0	0	2	14	0
BHATINDA	0830	211	997.2	974.1	..	31.4	26.7	24.9	31.5	70	- 2	1.9	-0.6	5.2	0	0	30	00	0	0	18	0	3	0	9	1	0
	1730	211	993.9	971.1	..	34.6	26.9	23.4	28.8	55	- 4	1.5	-1.3	3.3	0	0	23	00	0	0	10	0	4	0	9	8	0
HIMACHAL PRADESH																											
MANDI	0830	761	999.9	917.1	+0.5	23.9	22.8	22.4	27.1	91	+ 3	6.6	+0.4	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	761	995.4	914.2	+0.4	28.5	24.9	23.4	28.8	74	+ 1	5.6	+0.0	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
BILASPUR	0830	587	999.6	935.2	-0.3	25.0	23.9	23.5	28.9	92	+ 8	6.9	+0.8	2.4	0	0	24	03	4	0	8	0	3	2	4	7	0
	1730	587	996.6	932.5	-0.1	29.5	25.5	23.6	29.1	73	+ 5	5.2	-0.5	4.0	0	0	24	01	1	2	3	1	11	2	3	7	0
JAMMU AND KASHMIR																											
MISGAR	0830		(R)																								
	1730		(R)																								
GILGIT	0830		(R)																								
	1730		(R)																								
SKARDU	0830		(R)																								
	1730		(R)																								
LEH	0530	3514	(R)																								
	0830	3514	3076.7	665.3	+0.7	15.4	10.9	7.4	10.3	61	+12	3.5	-0.2	2.2	0	0	28	00	0	0	0	0	28	0	0	0	0
	1730	3514	2999.9	660.4	-1.2	24.2	12.0	2.5	7.3	25	- 9	2.8	-0.9	5.9	0	0	26	02	4	0	0	0	17	3	0	5	0
SRINAGAR	0230	1587	1407.0	832.6	..	21.7	18.9	17.5	20.0	78	..	3.2	..	0.9	0	0	10	01	1	0	4	0	0	0	4	21	0
	0530	1587	1410.5	833.1	..	20.9	18.9	17.6	20.1	81	..	3.5	..	2.2	0	0	22	01	1	0	6	0	0	1	13	9	0
	0830	1587	1416.9	833.8	-0.6	23.7	19.6	17.6	20.1	70	- 3	3.4	-0.6	2.4	0	0	22	01	1	1	12	0	4	1	2	9	0
	1130	1587	1408.5	833.3	..	28.3	21.2	17.5	20.0	54	..	3.2	..	2.3	0	0	24	02	1	0	4	2	0	2	13	7	0
	1430	1587	1392.4	831.9	..	30.2	21.0	16.6	18.9	45	..	3.2	..	3.9	0	1	27	01	2	0	5	2	4	1	13	3	0
	1730	1587	1379.6	830.6	-0.7	29.9	20.7	16.3	18.5	45	- 4	3.0	-0.6	3.7	0	0	27	00	1	1	4	1	4	4	12	4	0
	2030	1587	1390.2	831.4	..	25.3	20.2	17.7	20.2	63	..	2.6	..	2.5	0	0	21	03	2	2	3	0	2	0	9	10	0
	2330	1587	1403.4	832.5	..	23.4	19.5	17.6	20.1	71	..	2.1	..	1.4	0	0	13	00	0	0	4	0	0	0	9	18	0
SRINAGAR AERODROME	0530	1666	1409.6	825.9	..	19.5	16.9	15.5	17.6	77	..	4.0	..	1.4	0	0	7	01	0	1	0	0	1	4	0	24	0
	0830	1666	1418.6	826.7	..	23.5	18.2	16.0	18.2	63	..	4.0	..	2.6	0	0	12	01	1	3	1	2	0	1	3	19	0
	1130	1666	1413.0	826.4	..	27.0	19.5	15.4	17.5	50	..	3.7	..	7.3	0	1	22	03	3	1	3	2	3	3	4	8	1

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JULY ,1967ASADHA 10 - SRAVANA 9,1 889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lst. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD.)																											
SRINAGAR AERODROME	1730	1666	1381.3	823.8	..	29.4	19.3	13.8	15.8	40	..	3.4	..	8.3	0	0	25	05	1	5	2	4	1	2	5	6	0
	2330	1666	1404.8	825.7	..	23.7	19.5	17.3	19.7	74	..	2.8	..	4.8	0	2	7	01	1	2	1	0	0	1	3	22	0
GULMARG	0830	2655	3076.8	735.9	-0.8	17.7	14.1	11.6	13.6	68	- 7	4.1	+0.0	1.5	0	0	14	00	5	4	4	1	0	0	0	14	0
	1730	2655	3068.0	734.5	..	20.3	16.2	13.6	15.6	67	..	4.0	..	2.8	0	0	18	01	5	5	2	0	3	2	0	11	0
QAZIGUND	0830	1690	..	..	..	21.6	18.7	17.2	19.6	74	..	3.9	..	1.1	0	0	7	00	1	0	1	3	0	1	1	24	0
	1730	1690	..	..	..	26.1	20.1	17.1	19.5	62	..	3.8	..	10.3	0	6	16	00	0	2	1	12	7	0	0	9	0
BANIHAL	0830	1630	..	..	..	21.8	19.3	17.8	20.4	80	..	5.0	..	0.5	0	0	3	00	0	0	0	3	0	0	0	28	0
	1730	1630	..	..	..	25.8	20.4	17.9	20.5	63	..	4.9	..	2.4	0	0	14	00	0	0	0	14	0	0	0	17	0
JAMMU	0830	366	996.1	955.9	..	27.3	25.0	24.1	30.0	83	+12	6.8	+1.9	4.7	0	0	28	00	24	2	0	1	1	0	0	3	0
	1730	366	993.1	953.5	..	32.5	27.6	25.7	33.0	68	..	6.4	..	5.7	0	0	26	00	26	0	0	0	0	0	0	4	0
JAMMU AERODROME	0530	292	997.1	964.6	..	26.8	24.6	23.5	28.9	82	..	6.1	..	4.8	0	2	9	00	7	1	1	1	0	0	1	20	0
	0830	292	998.0	965.7	..	28.6	25.4	24.0	29.8	77	..	6.1	..	4.7	0	0	17	00	9	2	2	4	0	0	0	14	0
	1130	292	998.6	966.1	..	31.6	26.1	24.0	29.8	67	..	5.4	..	10.4	0	4	20	02	1	0	9	9	1	1	1	7	0
	1730	292	995.5	963.3	..	32.2	26.6	24.4	30.5	64	..	4.8	..	6.6	0	0	19	02	2	0	2	11	1	0	1	12	0
	2330	292	996.9	964.6	..	28.8	25.7	24.4	30.5	78	..	4.3	..	3.4	0	0	11	01	5	2	2	1	0	0	0	20	0
GULMARG (RESEARCH INSTITUTE)	0830		..	..	..	17.6	14.8	11.7	13.7	69	..	4.4	..	..	.	..	..	02	2	18	2	1	2	3	1	0	0
	1130		..	..	..	20.1	16.2	13.8	15.8	68	..	5.0	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	19.9	16.1	13.7	15.7	69	..	4.5	..	..	.	..	..	00	1	14	4	0	0	12	0	0	0
RAJASTHAN, WEST																											
GANGANAGAR	0530	177	995.5	976.0	..	29.2	25.0	23.0	28.1	71	..	1.7	..	3.1	0	1	18	00	0	3	6	0	8	1	1	12	0
	0830	177	996.8	976.9	-0.7	31.1	25.9	23.5	28.9	66	+ 2	1.5	-0.5	5.7	0	0	28	01	0	2	11	1	13	0	0	3	0
	1130	177	996.8	977.5	..	34.3	26.5	23.0	28.1	53	..	2.8	..	4.8	0	0	26	00	4	2	6	1	10	3	0	5	0
	1730	177	993.3	975.2	-0.1	36.1	26.5	22.1	26.6	48	+ 1	3.0	+0.3	7.1	0	0	26	00	6	3	3	0	7	5	2	5	0
	2330	177	995.6	976.2	..	31.4	26.0	23.6	29.1	65	..	1.3	..	2.5	0	0	15	00	2	3	4	1	5	0	0	16	0
ANUPGARH	0830	154																									
	1730	154																									
MAHAJAN	0830	187	996.3	976.2	..	31.7	27.3	25.3	32.2	70	..	0.2	..	8.7	0	1	26	00	2	5	2	1	17	0	0	2	0
	1730	187	990.9	970.8	..	36.3	27.5	23.6	29.1	50	..	0.4	..	9.3	0	1	26	00	5	3	3	1	13	0	2	1	0
CHURU	0830	291	997.8	965.9	-0.7	29.1	25.9	24.0	29.8	72	- 4	3.1	-1.6	14.9	0	10	21	02	0	8	2	2	4	11	2	0	0
	1730	291	994.4	962.8	-0.9	35.3	27.1	23.5	28.9	53	- 4	4.5	-1.0	13.7	0	5	26	02	2	6	1	4	4	11	1	0	0
BIKANER	0830	224	997.6	973.0	-0.2	30.9	25.4	22.9	27.9	64	- 3	3.4	+1.1	10.7	0	4	27	01	3	3	1	5	16	1	1	0	0
	1730	224	994.0	969.7	-0.3	36.7	25.6	20.7	24.4	41	- 7	6.0	+3.1	9.6	0	3	26	02	2	3	1	10	8	3	0	2	0
BIKANER P.B.O.	0530	224	996.2	971.5	..	28.9	24.6	22.4	27.1	67	..	3.7	..	8.2	0	3	26	01	1	0	2	8	14	2	1	2	0
	1130	224	996.9	972.7	..	35.0	25.9	21.5	25.6	46	..	4.0	..	11.1	0	5	25	00	4	3	3	6	10	2	2	1	0
	1430	224	994.8	970.7	..	37.0	25.9	20.3	23.8	39	..	4.4	..	9.9	0	3	28	01	5	1	6	6	7	4	0	0	1
	2030	224	994.9	970.6	..	34.3	25.4	21.1	25.0	48	..	3.6	..	8.5	0	1	28	00	5	1	1	9	11	2	0	2	0
	2330	224	996.1	971.6	..	32.3	25.0	21.5	25.6	55	..	3.3	..	9.9	0	5	25	00	3	1	3	10	11	1	1	1	0
NAGAUR	0830	298	997.8	965.2	+0.6	29.3	25.8	23.9	29.6	73	+ 2	4.5	-0.5	11.6	0	3	28	01	3	2	2	9	12	2	0	0	0
	1730	298	993.5	961.5	-0.4	34.8	26.8	23.2	28.4	54	+ 2	5.1	-0.3	11.8	0	3	28	00	3	2	2	9	12	2	1	0	0
PHALODI	0830	234	997.6	971.9	-1.1	29.4	26.0	24.5	30.5	75	- 1	3.0	-1.5	23.0	0	19	12	01	3	2	1	5	17	2	0	0	0
	1730	234	994.6	969.4	-0.9	35.6	26.9	23.6	29.1	50	- 1	3.0	-1.3	20.0	0	16	15	03	2	4	6	6	10	0	0	0	0
JAISALMER	0830	242	996.5	970.0	-1.3	29.6	25.1	23.1	28.3	69	- 7	5.2	+2.0	8.8	0	1	28	02	2	3	0	11	9	2	0	2	0
	1730	242	992.5	966.8	-1.1	36.2	28.4	21.9	26.3	44	- 7	4.4	+1.0	9.7	0	1	30	02	2	4	2	12	9	0	0	0	0
JODHPUR	0230	224	997.2	972.5	..	29.0	24.9	23.0	28.0	71	..	4.0	..	14.0	0	7	24	01	2	1	2	3	18	3	1	0	0
	0530	224	997.5	972.7	..	27.9	24.7	23.6	29.1	77	..	5.0	..	13.7	0	7	24	00	2	1	3	1	17	5	2	0	0
	0830	224	998.7	974.0	-0.4	29.1	25.5	23.8	29.5	74	- 1	5.6	-0.1	14.9	0	8	23	00	1	3	2	2	13	9	1	0	0
	1130	224	998.7	974.0	..	32.7	26.1	23.1	28.3	58	..	6.2	..	16.8	0	9	22	00	0	4	3	3	16	4	1	0	0
	1430	224	996.5	972.3	..	34.9	26.5	22.7	27.6	51	..	6.0	..	18.3	0	11	20	00	4	1	3	6	14	2	1	0	0
	1730	224	995.1	970.8	-0.3	34.9	26.2	22.1	26.6	50	- 4	5.6	+0.3	19.7	0	11	19	00	1	3	3	5	16	2	0	1	0
	2030	224	996.5	972.1	..	32.0	25.6	22.6	27.4	60	..	5.0	..	15.6	0	6	25	00	1	3	4	5	15	3	0	0	0
	2330	224	997.8	973.1	..	30.4	25.4	23.0	28.1	66	..	4.4	..	14.8	0	5	26	00	3	2	4	5	14	3	0	0	0
BARMER	0530	194	996.5	974.8	..	27.0	25.2	24.3	30.4	85	..	6.2	..	4.6	0	0	22	01	0	1	0	6	9	4	1	9	0
	0830	194	997.3	975.9	-1.3	28.4	25.9	24.9	31.5	82	+ 5	5.8	+0.3	5.2	0	1	26	00	0	1	2	9	10	4	1	4	0
	1130	194	997.3	976.0	..	32.3	26.8	24.5	30.7	64	..	5.7	..	5.4	0	0	28	00	3	1	1	10	12	0	1	3	0
	1730	194	994.3	973.2	-0.8	34.3	27.4	24.5	30.7	59	+ 7	4.8	+0.4	7.0	0	1	28	00	1	2	1	12	11	2	0	2	0
	2330	194	996.9	975.5	..	29.9	25.7	23.7	29.3	71	..	3.6	..	6.0	0	1	24	00	1	1	0	9	13	1	0	6	0
ERINPURA (JAWAI DAM)	0830	295	998.8	966.3	-1.1	28.1	25.3	24.1	30.0	79	- 1	5.1	-1.0	3.9	0	0	24	00	1	0	7	3	11	2	0	7	0
	1730	295	995.2	963.1	-1.6	31.4	25.8	23.3	28.6	64	- 2	4.8	-1.1	5.2	0	0	27	00	1	2	9	5	7	2	0	4	1
RAJASTHAN, EAST																											
PILANI	0830	301	998.3	965.6	-0.1	29.2	25.4	23.6	29.1	74	+ 9	3.7	+0.7	19.9	0	16	15	00	1	2	6	4	2	6	10	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JULY ,1967ASADHA 10 - SRAVANA 9,1 889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or Ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	Wind Speed 20 to 61	Wind Speed 1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN, EAST (CONTD.)																											
PILANI	1730	301	995.0	962.6	-0.1	33.8	26.3	22.7	27.6	56	+ 5	5.0	+0.9	16.1	0	9	22	01	1	7	6	3	6	5	2	0	0
SIKAR	0830	433	996.2	950.5	+1.2	28.3	25.7	24.8	31.3	81	+ 5	2.3	-2.3	1.0	0	0	16	00	0	1	0	0	0	14	1	15	0
	1730	433	994.0	947.9	-0.9	33.1	27.4	25.3	32.2	64	+ 7	2.4	-3.2	1.6	0	0	21	00	0	0	0	1	0	10	10	10	0
ALWAR	0830	271	997.4	967.5	-0.8	29.0	25.3	23.9	29.6	75	- 4	5.5	-0.1	3.0	0	0	24	00	2	5	2	2	3	9	1	7	0
	1730	271	994.6	965.1	-0.8	32.0	26.6	24.3	30.4	66	- 2	5.3	-0.3	2.5	0	0	25	00	1	4	5	3	4	7	1	6	0
JAIPUR(SANGANER)	0230	390	996.8	954.0	..	27.1	24.8	23.6	29.1	81	..	4.1	..	6.3	0	2	20	00	0	7	0	2	3	6	4	9	0
	0530	390	997.0	954.1	..	26.1	24.5	23.5	28.9	84	..	5.0	..	6.4	0	2	22	01	2	5	2	0	3	6	5	7	0
	0830	390	998.1	955.4	-0.8	28.3	25.3	23.9	29.6	78	+ 3	5.4	+0.3	10.7	0	4	23	01	1	6	1	1	4	9	4	4	0
	1130	390	997.7	955.4	..	31.0	26.1	24.0	29.8	67	..	5.8	..	11.2	0	3	23	02	0	6	1	2	3	9	3	5	0
	1430	390	995.8	953.7	..	32.8	26.6	23.9	29.7	62	..	5.8	..	10.4	0	2	27	01	2	7	1	2	4	9	3	2	0
	1730	390	994.8	952.7	-0.7	32.6	26.5	23.8	29.5	62	+ 0	5.7	-0.2	11.5	0	4	25	02	1	9	1	1	5	10	0	2	0
	2030	390	996.2	953.7	..	29.4	25.7	24.0	29.9	75	..	5.1	..	4.6	0	0	20	00	1	4	2	1	5	5	2	11	0
	2330	390	997.4	954.7	..	28.6	25.4	23.9	29.7	77	..	4.7	..	5.9	0	0	25	01	0	9	2	0	4	9	0	6	0
DHOLPUR	0830	176	997.7	978.5	-1.4	29.7	26.0	24.3	30.4	76	- 3	4.2	-1.5	6.5	0	0	16	00	1	2	1	0	0	12	0	15	0
	1730	176	994.8	975.5	-1.1	32.4	26.2	23.4	28.7	64	- 5	5.4	-0.6	2.1	0	0	18	01	2	4	1	0	1	7	2	13	0
AJMER	0830	486	998.3	945.3	+0.7	27.5	24.4	23.1	28.3	78	+ 3	5.8	+0.2	13.6	0	7	23	00	2	3	1	3	12	9	0	1	0
	1730	486	994.4	942.5	+0.7	32.6	25.5	22.4	27.1	58	- 1	5.3	-0.4	12.3	0	6	25	01	4	1	2	2	12	9	0	0	0
TONK	0830	272	997.4	967.5	-0.1	29.6	25.0	22.9	27.9	68	- 8	4.6	-1.5	7.8	0	0	29	02	3	0	2	3	4	13	2	2	0
	1730	272	993.8	964.7	+0.1	32.8	25.9	22.6	27.4	57	- 7	5.0	-0.8	6.8	0	0	31	02	1	5	1	8	6	8	0	0	0
BHILWARA	0830	425	998.7	952.1	..	27.3	24.3	22.9	27.9	77	..	7.0	..	10.1	0	1	25	01	1	1	0	4	16	3	0	5	0
	1730	425	995.6	949.7	..	31.0	25.1	22.2	26.7	61	..	7.2	..	9.7	0	2	25	03	2	2	0	4	12	3	1	4	0
KOTA	0830	257	998.4	970.0	-0.9	29.4	25.4	23.6	29.1	72	- 2	5.8	-0.2	11.2	0	4	24	01	0	0	2	0	10	13	2	3	0
	1730	257	995.4	967.2	-0.9	33.4	26.4	23.3	28.6	58	- 7	5.8	-0.7	5.9	0	0	25	01	1	3	3	0	11	5	1	6	0
KOTA AERODROME	0530	274	997.5	967.2	..	27.4	24.3	22.8	27.7	76	..	4.9	..	12.3	0	7	20	01	1	2	0	1	13	9	0	4	0
	0830	274	998.8	968.6	..	28.6	24.7	22.9	27.9	72	..	5.6	..	15.3	0	8	21	00	1	1	2	0	10	15	0	2	0
	1130	274	998.3	968.9	..	31.2	25.2	22.3	26.9	60	..	6.1	..	14.3	0	6	24	02	2	1	0	2	10	10	3	1	0
	1730	274	995.3	965.6	..	32.7	25.3	21.7	25.9	55	..	6.6	..	12.5	0	2	28	00	1	4	2	2	10	9	2	1	0
	2330	274	998.3	968.2	..	29.4	24.6	22.2	26.7	67	..	4.5	..	12.3	0	3	27	00	0	2	2	1	15	10	0	1	0
CHAMBAL (RAWAT BHATTA DAM)	0830	351	997.9	959.3	-1.7	27.7	25.1	24.0	28.1	80	- 4	5.2	-0.4	9.2	0	2	28	01	3	0	0	1	17	7	1	1	0
	1730	351	994.3	956.4	-2.0	32.1	26.5	24.0	29.8	65	- 7	5.8	-0.1	12.5	0	6	23	00	3	1	0	1	19	4	1	2	0
UDAIPUR	0230	582	998.6	935.0	..	25.0	23.6	23.0	28.1	88	..	5.4	..	3.7	0	0	19	01	0	0	3	8	6	1	0	12	0
	0530	582	998.3	934.6	..	24.5	23.3	22.7	27.6	90	..	6.0	..	2.9	0	0	14	01	0	0	2	5	5	0	1	17	0
	0830	582	999.3	935.8	-1.1	25.6	23.8	23.1	28.3	83	+ 5	6.2	-0.2	4.2	0	1	21	02	1	0	6	5	7	1	0	9	0
	1130	582	999.3	936.3	..	28.0	24.9	23.5	28.9	79	..	6.7	..	6.2	0	1	29	01	3	2	3	12	9	0	0	1	0
	1730	582	996.6	933.8	-1.1	28.3	25.3	24.1	30.0	78	+ 8	6.3	-0.3	5.6	0	0	30	02	0	2	4	9	7	3	3	1	0
	2330	582	999.2	935.4	..	25.7	24.1	23.4	28.8	87	..	5.6	..	2.3	0	0	12	00	0	0	0	1	6	4	1	19	0
JHALAWAR	0830	321	(R)																								
	1730		(R)																								
BANSWARA	0830	220	1000.4	975.8	..	26.2	24.8	24.2	30.2	89	..	4.0	..	8.6	0	0	31	00	1	2	0	14	11	3	0	0	0
	1730	220	997.5	973.3	..	30.9	26.0	23.9	29.7	68	..	3.6	..	9.6	0	0	31	00	0	1	0	11	13	5	1	0	0
MADHYA PRADESH, WEST																											
GWALIOR	0230	207	997.2	974.2	..	27.8	25.1	23.9	29.7	81	..	5.9	..	6.9	0	0	28	02	1	2	2	10	4	5	2	3	0
	0530	207	997.1	974.1	..	27.3	24.8	23.6	29.3	81	..	6.0	..	6.1	0	0	25	01	3	1	5	6	4	5	0	6	0
	0830	207	998.5	975.6	+0.0	29.1	25.8	24.3	30.4	76	+ 2	6.2	+0.1	8.1	0	1	29	02	1	2	3	7	2	8	5	1	0
	1130	207	998.4	975.7	..	31.9	26.6	24.1	30.4	65	..	6.9	..	7.9	0	0	30	04	0	3	4	4	0	9	6	1	0
	1430	207	996.4	973.9	..	32.8	26.9	24.6	30.7	63	..	7.0	..	8.7	0	1	30	03	2	6	1	6	3	4	6	0	0
	1730	207	995.3	972.7	-0.1	32.1	26.6	24.2	30.4	65	- 1	6.9	+0.5	7.7	0	0	31	02	4	5	2	5	3	7	3	0	0
	2030	207	996.9	974.1	..	29.6	26.0	24.4	30.7	75	..	6.5	..	7.8	0	1	29	01	3	3	4	9	6	3	1	1	0
	2330	207	997.9	975.0	..	28.5	25.6	24.3	30.4	79	..	6.0	..	6.4	0	0	27	01	1	2	7	8	7	0	1	4	0
SHEOPUR	0830	235	998.2	972.3	-0.9	28.5	25.1	23.4	29.1	75	- 5	5.5	-1.3	10.4	0	1	30	02	0	3	1	8	11	4	2	0	0
	1730	235	994.6	969.1	-1.1	32.7	25.9	22.8	27.9	59	- 8	6.9	+0.1	11.0	0	2	28	04	1	2	2	5	11	5	0	1	0
SHIVPURI	0830	464	998.7	947.9	..	26.9	23.4	21.9	26.3	75	..	5.8	..	9.9	0	3	28	00	5	2	0	2	7	10	5	0	0
	1730	464	995.3	945.2	..	30.3	24.5	21.9	26.4	64	..	5.8	..	10.5	0	3	26	01	2	5	2	1	4	11	3	2	0
NOWGONG	0830	229	999.1	973.9	+0.2	28.1	25.6	24.4	30.7	81	+ 0	6.3	+0.2	7.4	0	2	26	01	4	2	0	7	11	3	0	3	0
	1730	229	996.1	971.1	+0.4	31.2	26.3	24.2	30.0	68	- 6	6.2	-0.2	3.4	0	0	24	01	2	2	2	1	12	1	3	7	0
GUNA	0530	478	998.3	945.7	..	24.9	23.5	22.9	27.9	89	..	6.6	..	9.5	0	3	26	01	1	1	2	5	13	3	3	2	0
	0830	478	999.5	947.1	-0.3	26.6	24.4	23.6	28.9	84	+ 0	6.7	+0.8	8.1	0	3	28	01	1	3	1	2	6	17	0	0	0
	1130	478	999.1	947.2	..	29.4	25.3	23.7	29.3	73	..	7.0	..	12.1	0	5	26	00	2	4	1	3	14	5	2	0	0
	1430	478	996.9	945.2	..	30.6	25.8	23.7	29.7	69	..	6.9	..	11.7	0	3	28	01	2	3	0	7	7	8	3	0	0
	1730	478	995.8	944.2	-0.5	30.3	25.7	23.4	29.7	70	- 4	6.9	+0.5	13.5	0	7	24	03	1	4	0	7	4	10	2	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JULY ,1967ASADHA 10 - SRAVANA 9,1 889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, WEST(CONTD)																											
GUNA	2330	478	999.1	946.6	..	26.9	24.1	23.0	27.9	82	..	5.6	..	9.3	0	2	28	02	2	0	3	8	10	4	1	1	0
NIMACH	0830	496	1000.1	945.7	-0.5	25.9	23.4	22.3	26.9	81	- 2	6.9	+0.3	17.5	0	9	21	00	2	1	1	1	12	13	0	1	0
	1730	496	996.5	943.1	-0.7	30.4	24.3	21.6	25.9	61	- 8	6.6	-0.1	18.9	0	14	17	00	4	2	0	0	7	18	0	0	0
RAJGARH	0830	382	999.9	957.8	+0.3	26.4	24.1	23.1	28.3	82	- 1	6.2	-0.4	11.8	0	2	29	01	2	1	2	1	4	18	2	0	0
	1730	382	996.4	954.9	-0.2	30.8	25.1	22.4	27.3	64	- 6	6.2	-0.6	9.8	0	2	29	01	3	1	3	3	5	13	2	0	0
SAGAR	0830	551	999.6	939.3	+0.3	25.2	23.5	22.7	27.6	86	-5	6.7	+0.0	5.8	0	0	31	00	2	2	3	0	6	13	5	0	0
	1730	551	996.5	936.9	+0.4	28.2	24.4	22.1	27.7	74	- 8	6.7	+0.1	7.3	0	0	31	00	10	9	0	0	3	2	7	0	0
RATLAM	0830	486	1000.2	946.8	-1.0	25.5	23.1	22.0	26.4	81	- 9	7.1	-0.4	14.6	0	4	27	01	1	1	0	2	12	11	3	0	0
	1730	486	996.8	944.3	-1.2	29.9	24.3	21.8	26.3	63	-10	7.0	-0.3	15.5	0	5	24	00	0	1	1	1	13	11	2	2	0
BHOPAL (BAIRAGARH)	0230	523	998.6	941.2	..	24.9	22.9	22.0	26.4	85	..	6.9	..	13.5	0	6	24	00	0	0	5	3	10	9	3	1	0
	0530	523	998.9	941.3	..	24.2	22.7	22.0	26.6	88	..	7.1	..	13.0	0	3	25	01	0	1	1	3	10	9	3	3	0
	0830	523	1000.3	942.9	-0.4	25.5	23.3	22.3	26.9	83	- 3	7.4	+0.4	16.3	0	6	24	02	1	0	2	2	5	16	2	1	0
	1130	523	1000.0	943.1	..	28.0	24.2	22.6	27.4	74	..	7.3	..	17.7	0	13	18	00	1	2	1	1	7	15	4	0	0
	1430	523	997.5	941.0	..	29.7	24.7	22.5	27.4	67	..	7.3	..	17.3	0	11	20	01	2	1	1	3	6	11	6	0	0
	1730	523	996.5	940.0	-0.6	29.4	24.4	22.2	26.9	67	- 5	7.0	+0.0	15.7	0	8	23	05	0	2	1	3	10	8	2	0	0
	2030	523	998.6	941.6	..	27.1	23.8	22.4	26.9	77	..	7.3	..	9.5	0	3	23	00	0	0	4	3	11	6	2	5	0
	2330	523	999.8	942.5	..	25.7	23.4	22.3	27.1	82	..	7.1	..	11.1	0	4	27	00	1	1	5	2	14	6	2	0	0
UJJAIN	0830	489	1000.5	946.6	..	25.4	23.5	22.6	27.6	85	..	7.5	..	22.9	0	20	10	01	1	1	0	1	3	18	5	1	0
	1730	489	996.8	943.8	..	29.3	24.5	22.4	27.3	68	..	7.1	..	16.6	0	10	20	00	2	1	1	1	7	15	3	1	0
NARSINGHPUR	0830	356	1000.1	960.7	..	26.5	24.4	23.4	28.9	84	..	6.6	..	6.1	0	0	29	00	1	0	1	0	17	5	0	2	5
	1730	356	996.6	957.7	..	29.3	25.4	23.4	29.3	72	..	7.2	..	2.2	0	0	31	00	3	0	0	0	28	0	0	0	0
HOSHANGABAD	0830	302	1000.9	967.3	+0.1	26.2	24.2	23.3	28.6	84	- 3	6.8	-0.4	2.0	0	0	31	00	0	0	0	0	31	0	0	0	0
	1730	302	997.0	964.0	-0.3	30.4	25.4	23.1	28.3	67	-11	6.5	-0.4	2.3	0	0	31	01	8	1	7	0	14	0	0	0	0
INDORE	0530	567	999.4	937.0	..	23.4	22.3	21.7	26.1	94	..	5.8	..	15.9	0	9	22	00	1	1	0	2	13	13	1	0	0
	0830	567	1000.6	938.4	-0.4	24.7	22.9	22.0	26.6	85	- 3	6.2	-1.1	22.2	0	15	16	01	1	1	0	2	11	14	1	0	0
	1130	567	1000.2	938.6	..	27.3	23.7	22.2	26.6	75	..	6.6	..	21.4	0	13	18	00	1	1	1	2	9	14	3	0	0
	1730	567	997.0	935.7	-0.6	28.5	23.9	21.8	26.3	69	- 3	6.0	-1.0	21.5	0	12	19	00	1	1	0	1	14	10	4	0	0
	2330	567	1000.3	938.1	..	24.9	22.9	22.0	26.4	85	..	5.2	..	15.6	0	9	21	00	0	0	1	1	16	10	2	1	0
RAJPUR (JHABUA)	0830	293	1001.1	968.5	-0.7	25.8	24.1	23.3	28.6	85	- 3	6.7	-0.5	12.7	0	4	27	00	0	2	1	1	1	26	0	0	0
	1730	293	998.5	966.3	-0.3	29.1	25.0	23.1	28.3	71	- 3	6.0	-1.0	9.3	0	0	31	00	0	0	0	1	0	30	0	0	0
CHHINDWARA	0830	685	1000.1	925.5	-0.8	24.6	22.7	21.9	26.3	85	- 2	6.5	+0.0	7.5	0	1	30	00	0	2	1	2	2	22	2	0	0
	1730	685	997.2	923.3	-0.8	26.7	23.5	21.9	26.6	77	+ 0	6.8	+0.1	5.5	0	1	26	01	0	3	0	5	2	14	2	4	0
SEONI	0830	619	1000.0	932.5	+0.0	24.9	23.1	22.3	26.9	86	+ 0	6.9	-0.3	8.3	0	1	29	00	1	0	2	1	6	14	6	1	0
	1730	619	997.1	930.2	-0.1	26.7	23.7	22.4	27.3	78	- 1	7.1	-0.1	9.4	0	0	31	03	1	5	0	5	6	8	3	0	0
BETUL	0830	653	1001.0	929.7	-0.7	24.5	23.1	22.4	27.3	89	+ 0	7.3	-0.4	7.3	0	0	31	00	0	0	3	2	2	14	10	0	0
	1730	653	997.1	926.7	-1.2	27.8	24.1	22.5	27.3	74	- 4	7.4	-0.3	7.9	0	0	31	05	1	0	3	2	2	11	7	0	0
KHANDWA	0830	318	1000.9	965.5	-0.6	26.0	23.6	22.4	27.1	81	- 2	6.7	-0.3	4.7	0	0	31	00	1	1	0	4	9	14	2	0	0
	1730	318	997.2	962.4	-0.9	30.4	24.6	21.7	26.1	60	-11	6.8	-0.4	5.8	0	0	30	00	0	1	1	4	10	8	6	1	0
MADHYA PRADESH, EAST																											
SATNA	0530	317	998.0	962.9	..	25.7	24.6	24.1	30.0	91	..	5.9	..	4.1	0	2	19	01	0	4	2	2	4	8	0	10	0
	0830	317	999.2	964.2	+0.3	27.2	25.2	24.3	30.4	85	+ 3	6.2	-0.3	3.2	0	0	27	02	0	5	1	1	3	14	1	4	0
	1130	317	999.2	964.3	..	29.4	25.8	24.3	30.2	75	..	6.3	..	4.7	0	2	27	02	0	5	0	2	4	13	3	2	0
	1430	317	996.9	962.3	..	30.6	26.0	23.9	29.8	69	..	6.1	..	5.3	0	2	26	01	0	5	0	2	6	9	5	3	0
	1730	317	996.4	961.7	+0.6	29.2	25.7	24.1	30.0	75	+ 0	6.1	-0.5	4.2	0	0	28	02	0	4	2	0	5	10	5	3	0
	2330	317	999.0	963.8	..	26.8	25.2	24.4	30.7	88	..	3.1	..	3.2	0	0	22	02	0	5	2	6	4	3	0	9	0
REWA	0830	299	998.6	965.6	..	27.9	25.3	24.2	30.0	81	..	6.7	..	4.9	0	0	28	01	3	3	2	2	6	8	3	3	0
	1730	299	995.6	963.0	..	30.3	25.6	23.9	28.9	70	..	7.1	..	4.8	0	0	29	02	4	2	2	2	0	10	7	2	0
SIDHI	0830	272	998.8	968.7	+1.2	27.3	26.7	26.2	34.6	94	+14	6.2	+0.7	1.0	0	0	13	01	0	6	1	5	0	0	0	18	0
	1730	272	995.7	965.9	+0.8	30.3	28.0	27.1	35.9	84	+12	6.2	+0.7	2.1	0	0	21	05	1	8	0	3	2	2	0	10	0
UMARIA	0830	459	999.4	949.0	+0.0	26.4	24.2	23.2	28.6	84	+ 0	6.8	-0.3	5.9	0	0	30	00	3	1	2	1	8	11	1	1	3
	1730	459	996.8	947.0	+0.6	28.8	24.9	23.3	28.6	74	- 6	6.7	-0.6	4.5	0	0	26	03	0	1	4	1	4	10	2	5	1
JABALPUR	0530	393	998.8	955.3	..	25.0	23.7	23.1	28.3	90	..	7.1	..	3.0	0	0	19	01	2	0	2	3	4	7	0	12	0
	0830	393	1000.1	956.9	+0.3	26.5	24.3	23.3	28.6	83	- 2	6.7	-0.5	3.7	0	0	25	02	1	0	2	4	5	11	0	6	0
	1130	393	999.7	956.8	..	28.9	25.0	23.2	28.6	73	..	6.9	..	4.8	0	0	28	02	0	2	1	2	6	13	2	3	0
	1430	393	997.5	954.8	..	29.9	25.2	23.0	28.3	68	..	7.0	..	5.1	0	0	28	04	1	0	0	3	4	12	4	3	0
	1730	393	996.9	954.1	+0.2	28.8	25.1	23.4	28.9	75	- 4	7.3	-0.1	4.5	0	0	25	00	2	0	4	3	2	10	4	6	0
	2030	393	999.0	955.8	..	26.7	24.4	23.1	28.6	82	..	6.6	..	2.3	0	0	15	00	0	3	2	3	4	2	1	16	0
	2330	393	999.7	956.3	..	26.0	24.2	23.3	28.8	86	..	6.6	..	2.5	0	0	16	00	0	1	1	4	7	2	1	15	0
AMBIKAPUR	0830	611	999.8	933.4	-0.3	26.4	24.0	22.9	28.1	82	- 5	6.6	+0.7	8.2	0	2	26	04	2	2	5	2	9	3	1	3	0
	1730	611	996.9	931.0	-0.2	27.7	24.3	22.9	27.9	77	- 3	7.3	+1.6	10.8	0	3	26	04	3	2	7	2	3	3	5	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JULY ,1967 (ASADHA 10 - SRAVANA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																											
JASHPURNAGAR	0830	779	999.7	915.7	..	25.0	22.8	21.8	26.1	84	..	6.2	..	2.3	0	0	22	01	5	0	2	0	11	0	3	0	0
	1730	779	996.4	913.0	..	26.2	23.4	22.1	26.7	77	..	6.0	..	2.1	0	0	29	00	6	0	2	1	16	2	2	2	0
PENDRA	0530	625	999.0	930.6	..	23.4	22.7	22.3	26.9	94	..	6.2	..	5.6	0	0	27	05	0	0	3	14	2	0	3	4	0
	0830	625	999.9	931.8	+0.1	25.0	23.4	22.6	27.6	87	+ 1	5.5	-1.6	8.7	0	6	20	04	0	1	0	12	3	2	4	5	0
	1130	625	999.2	931.6	..	27.1	24.3	23.1	26.3	80	..	5.9	..	11.6	0	7	22	09	0	1	0	10	4	4	1	2	0
	1430	625	997.2	929.8	..	27.5	24.3	22.9	27.9	78	..	5.9	..	9.1	0	2	25	08	1	1	1	6	3	4	3	4	0
	1730	625	996.8	929.3	+0.0	26.7	24.0	22.9	27.9	80	- 3	6.3	-1.0	7.2	0	2	24	08	0	1	1	8	2	2	4	5	0
	2330	625	1000.0	931.7	..	24.1	23.1	22.6	27.6	92	..	6.2	..	5.4	0	0	23	04	0	1	1	8	7	0	2	8	0
MANDLA	0830	443	1000.1	931.4	-0.5	26.1	24.1	23.0	28.4	83	- 5	6.6	-0.3	2.8	0	0	21	04	1	0	1	6	2	5	2	10	0
	1730	443	996.9	948.7	-0.5	27.8	24.5	22.9	27.9	76	- 3	6.0	-0.9	1.5	0	0	10	02	0	0	0	6	0	1	1	21	0
CHAMPA	0830	245	1000.1	972.9	-0.8	27.1	25.1	24.3	30.2	85	- 1	6.7	-0.5	3.9	0	0	23	00	1	2	1	3	6	8	2	8	0
	1730	245	996.9	969.9	-0.8	29.5	26.2	24.8	31.3	76	+ 1	7.4	-0.1	6.3	0	2	26	06	0	4	0	2	5	10	1	3	0
RAIGARH	0830	220	1000.3	975.8	-0.4	27.2	25.1	24.3	30.0	84	- 1	7.2	-0.1	4.1	0	0	31	00	2	2	4	5	12	3	3	0	0
	1730	220	996.6	972.3	-1.0	29.4	25.7	24.1	30.0	75	+ 0	7.2	+0.0	3.4	0	0	28	00	4	2	2	1	12	1	6	3	0
RAIPUR	0530	298	999.3	966.1	..	25.0	24.1	23.8	29.3	93	..	6.9	..	5.4	0	0	29	00	0	1	3	9	6	10	0	2	0
	0830	298	1000.5	967.5	+0.0	27.1	25.1	24.2	30.2	85	+ 0	6.7	-0.5	5.6	0	0	29	00	0	0	3	3	7	16	0	2	0
	1130	298	1000.0	967.3	..	29.3	25.6	23.9	29.7	74	..	6.9	..	6.7	0	0	31	01	0	1	2	5	6	14	2	0	0
	1430	298	997.8	965.2	..	30.2	26.1	24.3	30.4	72	..	6.8	..	6.3	0	0	31	00	0	1	4	2	7	15	2	0	0
	1730	298	997.3	964.6	-0.3	28.8	25.4	23.9	29.7	76	- 2	7.1	+0.0	6.3	0	0	31	01	0	2	0	4	5	17	2	0	0
	2030	298	999.6	966.6	..	27.1	24.8	23.9	29.3	83	..	6.2	..	5.1	0	0	27	00	0	2	2	3	2	16	2	4	0
	2330	298	1000.2	967.1	..	26.2	24.7	24.0	30.0	86	..	6.0	..	5.3	0	0	26	00	0	1	2	7	10	5	1	5	0
KANKER	0830	402	1000.9	956.7	-0.3	26.5	24.1	23.0	28.1	82	+ 0	6.8	+1.5	3.5	0	0	21	00	0	0	0	0	19	0	2	10	0
	1730	402	997.7	954.0	-0.5	28.4	25.2	23.7	29.5	77	- 2	7.2	-0.3	3.7	0	0	24	00	0	0	0	1	23	0	0	7	0
JAGDALPUR	0530	553	1000.5	939.7	..	23.4	22.1	21.4	25.6	88	..	6.7	..	4.6	0	1	15	00	0	0	0	5	7	4	0	15	0
	0830	553	1001.5	941.0	-0.2	25.2	22.8	21.8	25.9	82	- 4	7.0	-0.1	8.8	0	1	26	00	0	0	0	10	14	3	0	4	0
	1130	553	1000.7	940.7	..	27.4	23.5	21.8	25.9	72	..	6.8	..	11.4	0	3	24	00	0	1	1	2	15	7	1	4	0
	1430	553	998.6	938.9	..	28.3	23.8	21.7	26.3	69	..	7.5	..	11.9	0	3	26	00	0	0	2	4	12	10	1	2	0
	1730	553	998.7	938.6	-0.2	26.1	23.3	22.0	26.6	79	- 3	7.6	+0.3	9.2	0	3	23	00	1	0	3	4	11	7	0	5	0
	2030	553	1001.1	940.5	..	24.8	22.9	22.1	26.6	85	..	6.6	..	4.5	0	0	14	00	0	0	0	1	8	5	0	17	0
	2330	553	1001.6	940.9	..	24.0	22.6	21.9	26.4	88	..	6.2	..	4.7	0	1	14	00	0	0	0	4	9	2	0	16	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																											
BEESA	0830	136	999.1	984.1	-1.1	27.2	25.2	24.3	30.4	84	- 2	7.1	+0.8	12.2	0	2	29	00	1	1	8	6	13	1	1	0	0
	1730	136	996.1	981.1	-1.0	31.6	25.6	22.6	27.9	63	- 1	6.8	+0.9	14.5	0	5	26	00	1	0	7	1	22	0	0	0	0
RADHANPUR	0830	30	999.7	996.4	+0.1	27.9	26.6	26.0	33.8	89	+ 4	.	..	5.4	0	1	30	00	0	2	4	4	20	1	0	0	0
	1730	30	997.1	993.8	+0.1	32.4	27.5	25.3	32.6	68	+ 0	.	..	5.5	0	0	31	00	1	1	3	7	14	2	3	0	0
IDAR	0830	219	1000.0	975.6	-0.9	26.2	24.7	24.0	30.0	88	- 1	7.7	+0.3	3.9	0	0	29	01	0	1	7	2	15	2	1	2	0
	1730	219	996.6	972.6	-0.9	30.2	25.3	23.0	28.3	68	- 2	6.8	-0.4	4.3	0	0	30	01	1	0	6	2	12	7	1	1	0
AHMADABAD	0230	55	999.0	992.7	..	26.6	25.1	24.4	30.7	88	..	5.9	..	13.3	0	6	22	00	0	1	3	6	12	6	0	3	0
	0530	55	998.7	992.4	..	26.1	24.9	24.4	30.5	90	..	6.4	..	12.5	0	6	23	00	0	2	1	7	14	4	1	2	0
	0830	55	999.9	993.6	-1.6	27.3	25.6	24.8	31.5	87	+ 1	6.1	-0.6	14.4	0	7	23	01	0	0	5	6	13	3	1	1	1
	1130	55	1000.1	993.9	..	29.6	26.3	24.8	31.5	76	..	6.7	..	16.4	0	9	22	00	1	0	4	3	14	8	1	0	0
	1430	55	998.4	992.2	..	31.2	26.7	24.8	31.5	71	..	6.8	..	16.4	0	9	22	00	0	0	3	4	13	6	3	0	2
	1730	55	997.1	990.9	-1.2	31.3	26.4	24.2	30.4	68	+ 0	6.5	-0.2	17.4	0	14	17	00	0	0	4	9	10	7	1	0	0
	2030	55	998.5	992.3	..	28.6	25.6	24.3	30.4	79	..	6.1	..	17.4	0	11	20	00	1	0	0	11	14	5	0	0	0
	2330	55	999.8	993.6	..	27.4	25.4	24.5	30.7	85	..	6.4	..	16.3	0	8	22	00	0	0	2	10	10	8	0	1	0
DOHAD	0830	333	1000.5	963.6	-1.4	25.6	24.2	23.6	29.1	88	+ 1	6.9	-0.3	17.7	0	15	16	00	1	0	2	3	16	8	1	0	0
	1730	333	997.5	961.1	-1.4	28.6	25.2	23.6	29.3	75	+ 4	6.5	+0.2	19.5	0	17	14	00	0	0	1	2	19	8	1	0	0
VALLABH VIDYANAGAR	0830	44	999.2	994.2	..	26.3	25.2	24.7	31.3	91	..	5.2	..	10.5	0	4	26	00	0	0	5	8	15	0	2	1	0
	1730	44	997.6	992.7	..	30.0	26.2	24.6	30.9	73	..	5.6	..	11.4	0	5	25	00	0	0	5	5	15	1	1	1	0
BARODA AERODROME	0830	38	1000.7	996.4	-1.5	27.1	26.0	25.5	32.6	91	+ 4	6.4	-0.3	17.2	0	13	17	00	0	0	3	7	15	5	0	1	0
	1130	38	1000.7	996.5	..	29.5	26.9	25.8	33.4	81	..	6.4	..	17.2	0	13	17	00	0	0	0	5	15	8	2	1	0
	1730	38	997.9	993.7	-1.2	29.5	26.9	25.9	33.4	82	+ 8	6.2	-0.6	21.5	0	17	13	00	0	0	2	9	17	2	0	1	0
BARODA	0530	34	999.6	995.6	..	25.9	25.3	24.9	31.7	94	..	6.4	..	5.0	0	0	24	00	0	0	0	2	21	1	0	7	0
	0830	34	1000.8	996.8	-1.4	27.1	26.0	25.4	32.6	91	+ 3	6.3	-0.5	4.8	0	0	25	00	0	0	1	0	21	3	0	6	0
	1130	34	1000.9	997.0	..	29.7	26.8	25.5	33.0	80	..	6.3	..	6.8	0	0	30	00	0	0	0	1	26	3	0	1	0
	1730	34	996.1	994.2	-1.0	30.0	26.5	25.0	31.7	75	- 1	6.4	+0.0	6.3	0	0	29	00	0	0	0	2	22	4	1	2	0
	2330	34	1000.8	996.9	..	26.8	25.6	25.0	31.9	90	..	5.6	..	5.5	0	0	30	00	0	0	0	3	26	1	0	1	0
BROACH	0830	17	..	..	..	..	..	..	..	..	..	6.8	+0.4	5.8	0	0	31	00	0	0	0	3	22	5	1	0	0
	1730	17	..	..	..	..	..	..	..	..	..	4.9	-1.4	6.6	0	0	31	00	0	0	0	3	27	0	1	0	0
SURAT	0530	12	999.9	998.6	..	26.2	25.2	24.5	31.3	90	..	6.0	..	11.1	0	6	25	00	0	0	5	0	26	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS— JULY ,1967ASADHA 10 - SRAVANA 9,1 889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or M. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GUJARAT REGION(INCLUDING DAMAN, DADRA AND NAGAR HAVELI) (CONTD.)																											
SURAT	0830	12	1001.2	999.9	-1.4	27.1	25.8	25.2	32.2	85	- 2	7.1	-0.2	9.4	0	9	22	00	0	0	7	0	23	0	1	0	0
	1130	12	1001.7	1000.4	..	29.0	26.3	25.1	32.1	80	..	6.6	..	15.0	0	10	21	00	0	0	4	0	27	0	0	0	0
	1730	12	999.3	998.0	-1.2	28.8	26.3	25.1	32.2	80	- 1	6.4	-0.5	14.5	0	5	26	00	0	0	1	0	30	0	0	0	0
	2330	12	1001.5	1000.2	..	27.0	25.6	25.0	31.7	90	..	5.9	..	10.8	0	1	30	00	0	0	1	0	30	0	0	0	0
SAURASHTRA AND KUTCH(INCLUDING DIU)																											
NALIYA	0830	21	998.1	995.7	-0.9	27.8	26.5	25.8	33.4	88	+ 3	6.0	-0.7	18.1	0	13	17	02	2	2	0	4	18	1	1	1	0
	1730	21	997.3	994.9	+0.1	29.8	26.9	25.7	33.8	79	+ 2	7.0	+0.2	21.3	0	15	16	00	1	0	0	7	20	2	1	0	0
BHUJ(RUDRAMATA)	0230	80	997.1	988.1	..	27.2	26.7	26.4	34.6	95	..	4.3	..	17.3	0	9	19	01	0	0	0	2	15	10	0	3	0
	0530	80	997.1	988.1	..	26.9	26.3	26.1	33.8	96	..	5.4	..	14.3	0	6	21	01	0	0	0	1	16	8	1	4	0
	0830	80	998.4	989.3	-2.0	27.6	26.7	26.3	34.2	96	+19	6.2	+0.2	19.0	0	13	16	02	1	2	2	0	14	7	1	2	0
	1130	80	998.6	989.6	..	29.8	27.3	26.3	34.2	83	..	6.4	..	23.9	0	20	8	00	3	3	0	1	17	3	1	3	0
	1430	80	997.1	988.2	..	31.1	27.9	26.7	35.4	79	..	6.3	..	24.5	0	22	6	01	1	2	1	2	14	7	0	3	0
	1730	80	996.1	987.1	-1.8	30.7	27.9	26.9	35.4	81	+17	6.4	+0.5	26.1	0	25	6	01	1	3	2	0	17	7	0	0	0
	2030	80	997.5	988.5	..	27.8	26.9	26.5	34.2	91	..	5.9	..	20.9	0	18	12	00	0	0	1	2	13	13	1	1	0
	2330	80	998.5	989.5	..	27.6	26.9	26.6	35.0	94	..	5.2	..	18.0	0	10	18	02	0	0	2	1	17	6	0	3	0
KANDLA AERODROME	0830	35	998.9	995.0	..	28.0	26.0	25.1	32.1	84	..	5.5	..	25.3	0	20	10	01	2	1	1	6	13	5	1	1	0
	1130	35	999.2	995.3	..	29.9	26.5	25.1	32.1	77	..	5.8	..	29.0	0	22	9	01	2	1	1	7	14	5	0	0	0
	1730	35	996.5	992.6	..	30.9	26.5	24.6	30.9	71	..	5.5	..	31.6	0	26	5	00	0	3	2	2	20	3	1	0	0
NEW KANDLA	0830	14	999.3	997.7	-0.9	28.1	26.1	25.2	32.2	85	+ 2	6.5	+0.0	20.7	0	14	16	03	1	0	1	4	12	8	1	1	0
	1730	14	997.0	995.4	-0.9	31.0	26.7	25.1	31.5	71	+ 1	6.0	+0.1	32.2	0	25	6	01	1	0	2	3	13	10	1	0	0
MANDVI	0830	9	999.0	997.9	-1.6	28.1	26.4	25.7	33.0	90	+ 3	6.6	+0.3	32.3	0	23	8	02	2	0	1	1	17	5	3	0	0
	1730	9	997.1	996.0	-1.3	29.4	27.1	26.2	33.6	83	- 3	6.9	+0.7	32.7	0	29	2	01	0	0	0	3	20	5	2	0	0
SURENDRANAGAR	0830	74	999.7	991.4	-1.5	27.9	25.6	24.5	30.9	82	- 2	5.5	-0.9	15.5	0	8	19	00	0	1	2	5	11	7	1	3	0
	1730	74	996.9	988.6	-1.4	31.3	25.7	23.1	28.4	64	+ 0	7.2	+0.6	19.3	0	17	13	00	0	3	3	5	10	9	0	1	0
OKHA	0530	7	998.0	997.2	..	27.7	26.3	25.7	33.0	89	..	5.6	..	24.5	0	18	13	02	1	1	0	2	18	6	1	0	0
	0830	7	999.2	998.4	..	27.5	26.4	26.1	33.4	89	..	6.2	..	26.5	0	24	7	02	0	2	0	2	17	7	1	0	0
	1130	7	999.8	999.0	..	29.0	26.9	26.0	33.8	85	..	6.7	..	28.3	0	23	8	02	0	2	0	1	20	5	1	0	0
	1730	7	997.6	996.8	..	29.2	26.9	26.0	33.4	84	..	6.6	..	31.6	0	27	4	00	0	1	0	1	19	7	3	0	0
	2330	7	999.5	998.7	..	27.9	26.5	26.0	33.4	89	..	4.5	..	26.6	1	19	11	00	0	0	1	2	22	4	2	0	0
JAMNAGAR AERODROME	0530	20	997.6	995.3	..	26.0	25.1	24.7	31.1	92	..	5.1	..	19.1	0	12	19	00	0	3	1	9	13	4	1	0	0
	0830	20	998.7	996.4	-2.3	27.4	25.9	25.2	32.2	88	+ 6	5.6	-0.6	21.2	0	17	13	01	0	1	1	6	14	5	2	1	0
	1130	20	999.0	996.8	..	29.8	26.5	25.1	31.7	77	..	6.2	..	25.0	0	20	10	02	0	1	0	2	12	11	2	1	0
	1730	20	996.8	994.5	-1.8	29.9	26.5	25.2	31.9	77	+ 5	6.5	+0.3	29.3	0	25	6	00	1	0	0	3	12	12	3	0	0
	2330	20	999.0	996.7	..	26.8	25.6	25.0	31.7	90	..	4.4	..	22.3	0	16	15	00	0	1	1	5	15	7	2	0	0
DWARKA	0830	11	998.3	997.0	-2.9	28.1	27.4	27.1	35.9	94	+10	6.4	-0.7	32.1	1	24	6	02	2	1	0	0	19	7	0	0	0
	1730	11	997.6	996.3	-1.8	29.1	28.1	27.7	37.1	92	+10	7.2	+0.4	28.0	0	24	7	00	0	0	0	1	19	8	3	0	0
RAJKOT	0530	138	998.3	982.9	..	25.3	24.7	24.4	30.5	95	..	4.9	..	20.2	0	18	10	00	0	1	1	5	16	5	0	3	0
	0830	138	999.5	984.1	-1.8	27.0	25.8	25.3	32.2	90	+ 5	4.0	-2.3	25.6	0	26	2	00	0	0	1	4	21	2	0	3	0
	1130	138	999.4	984.1	..	29.9	26.8	25.6	32.6	79	..	5.2	..	30.8	0	26	5	01	1	1	1	1	19	6	1	0	0
	1430	138	997.8	982.6	..	31.0	27.4	25.9	33.6	77	..	5.6	..	31.3	0	26	4	01	0	0	0	2	15	9	2	1	1
	1730	138	996.9	981.7	-1.6	30.1	26.9	25.6	32.8	78	+10	5.5	-1.2	34.9	0	27	3	00	0	1	0	1	17	9	1	1	1
BHAUNAGAR AERODROME	0830	11	1000.3	999.1	-1.9	27.8	25.6	24.7	31.1	83	+ 6	5.0	-1.4	21.6	0	20	10	01	0	0	0	6	18	5	0	1	0
	1130	11	1000.5	999.3	..	30.4	26.0	24.1	30.0	70	..	6.3	..	24.8	0	21	9	00	1	0	1	4	16	7	1	1	0
	1730	11	997.8	996.6	-1.6	30.1	26.1	24.3	30.5	73	+ 9	6.0	-0.8	32.6	0	26	4	00	0	1	0	12	13	3	1	1	0
PORBANDER AERODROME	0830	7	999.7	998.9	-1.8	28.0	26.4	25.8	33.2	88	+ 0	6.3	-0.5	22.5	0	16	15	01	0	0	2	1	20	4	3	0	0
	1130	7	1000.2	999.4	..	29.2	27.0	26.1	33.8	84	..	6.3	..	24.1	0	27	2	02	0	0	1	1	20	4	1	2	0
	1730	7	998.2	997.4	-1.9	28.6	26.7	26.0	33.6	86	+ 1	6.6	-0.7	25.5	0	11	19	01	0	0	1	1	21	6	0	1	0
KESHOD	0830	51	1000.1	994.3	-1.4	27.4	25.6	24.5	31.3	86	+ 0	6.4	+0.0	22.8	0	20	11	01	0	0	1	2	14	13	0	0	0
	1130	51	1000.5	994.8	..	28.9	26.0	24.7	31.3	79	..	6.7	..	31.8	0	26	5	01	0	0	0	1	14	13	1	0	1
	1730	51	998.4	992.7	-1.5	28.7	25.5	24.2	30.2	78	- 1	6.7	+0.1	31.7	0	29	2	00	0	0	0	2	16	13	0	0	0
MAHUVA	0830	9	999.6	998.6	..	26.7	25.6	25.1	31.9	90	..	7.0	..	4.0	0	1	26	00	0	0	0	1	10	16	0	4	0
	1730	9	998.5	997.5	..	29.0	26.6	25.6	32.8	82	..	7.1	..	10.5	0	2	28	00	0	0	1	2	18	8	1	1	0
VERAVAL	0230	8	999.5	998.6	..	27.7	26.6	26.1	33.8	91	..	6.1	..	34.5	2	25	3	01	0	0	0	0	14	14	1	1	0
	0530	8	998.9	998.0	..	27.6	26.5	26.0	33.8	91	..	6.5	..	34.3	1	26	2	00	0	0	0	0	13	15	1	2	0
	0830	8	1000.5	999.6	-1.9	28.0	26.7	26.2	33.8	90	+ 2	6.4	-0.6	31.2	0	25	4	00	0	0	0	0	13	13	3	2	0
	1130	8	1001.0	1000.1	..	28.8	27.2	26.6	34.8	88	..	6.5	..	31.6	0	26	3	00	0	0	0	0	12	16	1	2	0
	1430	8	999.8	998.9	..	29.0	27.3	26.7	35.0	88	..	6.0	..	33.0	0	29	2	01	0	0	0	1	14	13	2	0	0
	1730	8	998.9	998.0	-1.5	28.5	27.0	26.4	34.4	88	- 1	6.3	-0.3	35.4	0	29	2	00	0	0	0	0	12	17	2	0	0
	2030	8	999.9	999.0	..	28.0	26.7	26.2	33.8	90	..	6.1	..	33.2	0	26	4	00	0	0	0	0	11	16	3	1	0
	2330	8	1001.0	1000.1	..	27.8	26.7	26.2	34.2	91	..	6.0	..	33.4	0	28	2	00	0	0	0	0	16	12	2	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JULY 1967 (ASADHA 10 - SRAVANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or at standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SAURASHTRA AND KUTCH (INCLUDING DIU)																											
DIU	0830	15	1001.4	999.7	..	27.9	26.2	25.5	32.6	87	..	6.3	..	26.7	0	22	9	00	0	0	0	0	8	21	2	0	0
	1730	15	999.5	997.8	..	28.0	26.3	25.6	32.8	87	..	6.2	..	29.7	0	25	6	00	0	0	0	0	14	17	0	0	0
KONKAN (INCLUDING GOA)																											
DAHANU	0830	5	1002.0	1001.5	-1.4	27.2	26.1	25.7	33.0	91	+ 0	.	..	11.4	0	5	26	00	0	0	1	1	11	11	1	0	0
	1730	5	1000.4	999.9	-1.3	28.2	26.8	26.3	34.2	89	+ 3	.	..	11.8	0	5	25	00	0	0	0	0	13	17	0	0	0
BOMBAY (SANTACRUZ)	0230	14	1002.0	1000.3	-0.9	26.5	25.1	24.5	30.7	89	+ 3	6.6	-0.2	20.1	0	14	16	00	0	1	1	2	14	11	1	1	0
	0530	14	1001.6	1000.0	..	26.4	24.9	24.3	30.4	89	..	6.4	..	18.8	0	13	17	00	0	1	0	2	14	12	1	1	0
	0830	14	1003.2	1001.5	-1.3	27.1	25.3	24.6	30.7	87	+ 1	7.1	-0.3	19.5	0	15	16	00	0	0	0	4	10	15	2	0	0
	1130	14	1003.5	1001.9	..	28.0	25.8	24.9	31.5	84	..	7.2	..	22.5	0	20	11	00	0	0	0	2	15	12	2	0	0
	1430	14	1002.3	1000.7	..	28.3	25.8	24.8	31.3	82	..	7.2	..	23.4	0	22	9	00	0	0	0	0	15	14	2	0	0
	1730	14	1001.3	999.7	-1.4	27.7	25.6	24.6	30.7	83	+ 1	7.4	+0.1	20.5	0	17	14	00	0	0	0	3	8	17	3	0	0
	2030	14	1002.6	1001.0	..	27.0	25.3	24.6	30.9	86	..	6.5	..	18.3	0	16	11	00	0	0	0	2	10	14	1	4	0
	2330	14	1003.4	1001.8	..	26.9	25.3	24.6	30.9	88	..	6.7	..	18.5	0	16	14	00	0	0	0	4	15	11	0	1	0
BOMBAY	0830	11	1003.1	1001.9	-1.2	27.1	25.5	24.8	31.3	87	+ 2	7.1	-0.1	15.4	0	7	24	00	0	0	2	3	12	13	1	0	0
	1130	11	1003.5	1002.3	..	28.4	26.2	25.3	32.2	84	..	7.0	..	16.1	0	12	19	00	0	0	1	2	11	15	2	0	0
	1730	11	1001.5	1000.3	-1.3	28.0	25.8	24.9	31.5	83	- 2	7.2	-0.1	17.9	0	14	17	01	0	0	1	4	8	14	3	0	0
ALIBAG	0830	7	1003.3	1002.5	-1.4	27.2	26.3	26.0	33.6	93	+ 6	7.0	-0.2	29.7	1	23	7	00	0	1	1	3	19	3	0	0	4
BHIRA	0830	96	1003.3	992.5	..	25.1	24.3	23.9	29.7	93	..	7.8	..	2.3	0	0	17	02	0	0	3	1	7	2	2	14	0
	1730	96	1001.6	990.9	..	26.1	24.5	23.7	29.5	87	..	7.9	..	1.3	0	0	12	01	1	1	0	0	8	1	0	19	0
HARNAI	0830	20	1004.0	1001.7	-1.2	27.1	25.5	24.8	31.3	87	- 2	7.7	+0.6	23.5	0	21	9	00	0	1	1	1	5	16	3	1	3
	1730	20	1002.5	1000.2	-1.3	27.5	25.5	24.7	31.1	85	- 2	7.7	+0.6	23.8	0	22	9	01	1	0	1	2	4	16	5	0	1
RATNAGIRI	0830	35	1004.5	1000.5	-1.5	26.6	25.3	24.7	31.1	89	+ 0	7.4	+0.4	19.7	0	20	9	00	0	1	2	0	6	15	4	2	1
	1730	35	1003.0	999.0	-1.5	27.5	25.6	24.8	31.3	86	+ 0	7.2	+0.0	23.6	1	15	13	00	0	0	0	0	6	16	6	2	1
DEVGARH	0830	36	1005.0	1001.0	-1.2	26.7	25.5	24.9	31.7	90	+ 0	7.3	+0.1	28.1	0	22	9	02	0	1	1	1	3	17	6	0	0
	1730	36	1003.2	999.2	-1.5	27.9	26.3	25.6	33.0	87	- 1	7.3	+0.0	31.7	0	27	4	00	0	0	0	0	4	21	6	0	0
VENGURLA	0230	9	1004.9	1003.9	..	25.6	24.8	24.4	30.5	93	..	7.1	..	6.5	0	0	25	00	0	0	0	1	7	13	4	6	0
	0530	9	1004.4	1003.4	..	25.6	24.6	24.1	30.0	92	..	7.5	..	7.0	0	1	22	00	0	0	0	1	9	12	1	8	0
	0830	9	1005.9	1004.9	-1.1	26.3	24.9	24.3	30.4	86	- 4	7.5	+0.1	5.3	0	0	23	00	0	0	0	0	9	10	4	8	0
	1130	9	1006.2	1005.2	..	27.7	25.8	25.0	31.7	86	..	7.6	..	6.9	0	0	30	00	0	0	0	2	12	14	2	1	0
	1730	9	1004.2	1003.2	-1.2	27.4	25.6	24.8	31.3	86	- 1	7.5	-0.1	7.4	0	0	27	00	0	0	0	0	8	17	2	4	0
	2330	9	1006.3	1005.3	..	26.1	25.0	24.5	30.7	91	..	7.3	..	7.5	0	0	25	01	0	1	0	1	8	12	2	6	0
PANJIM	0530	60	1004.1	997.3	..	25.2	24.0	23.4	28.8	90	..	7.8	..	15.0	0	14	14	01	0	1	1	0	12	9	4	3	0
	0830	60	1005.4	998.6	..	25.7	24.3	23.7	29.3	90	..	7.9	..	15.6	0	12	18	03	0	2	1	1	14	5	4	1	0
	1130	60	1005.9	999.1	..	27.3	25.1	24.2	30.0	84	..	7.8	..	15.3	0	12	18	00	0	0	1	3	13	6	7	1	0
	1430	60	1004.6	997.9	..	27.7	25.4	24.5	30.4	83	..	7.7	..	17.7	0	14	16	00	0	0	0	1	19	5	5	1	0
	1730	60	1003.7	997.0	..	27.0	24.9	24.0	29.8	84	..	7.7	..	18.3	0	15	15	00	0	0	0	1	16	10	3	1	0
	2030	60	1005.2	998.3	..	26.1	24.5	23.8	29.5	87	..	7.7	..	15.6	0	12	18	01	0	1	0	1	12	8	7	1	0
	2330	60	1005.9	999.1	..	25.6	24.2	23.5	29.1	89	..	7.6	..	15.6	0	12	19	01	3	2	1	1	14	6	3	0	0
MORMUGAO	0530	62	1003.8	996.9	..	25.9	24.7	24.2	30.0	91	..	7.7	..	24.7	0	21	10	01	2	0	1	1	14	9	3	0	0
	0830	62	1005.3	998.3	-1.7	26.2	24.9	24.4	30.4	90	+ 4	7.9	+1.5	22.2	0	18	12	01	3	0	2	0	16	6	2	1	0
	1130	62	1005.6	998.7	..	27.1	25.4	24.6	31.1	87	..	7.7	..	21.7	0	19	11	02	0	0	2	1	14	8	3	1	0
	1730	62	1003.6	996.7	-1.6	27.1	25.3	24.5	30.7	86	- 2	7.7	+1.1	25.5	0	26	5	01	0	0	0	2	14	9	5	0	0
DABOLIM (NAVAL AIR STN.)	0530	52	1004.5	998.7	..	25.4	24.3	23.8	29.5	91	..	7.6	..	..	.	..	..	02	2	1	0	2	1	15	7	1	0
	0830	52	1006.0	1000.2	..	25.9	24.6	24.0	29.8	89	..	7.4	..	..	.	..	..	01	3	1	1	3	0	15	7	0	0
	1130	52	1006.2	1000.4	..	27.2	25.3	24.4	30.5	85	..	7.1	..	..	.	..	..	02	1	0	0	1	2	15	9	1	0
	1730	52	1004.2	998.4	..	27.1	25.1	24.2	30.2	84	..	7.3	..	..	.	..	..	02	0	0	0	0	1	17	10	1	0
	2330	52	1006.4	1000.6	..	25.7	24.5	23.9	29.7	90	..	7.5	..	..	.	..	..	04	1	2	1	2	0	16	5	0	0
MADHYA MAHARASHTRA																											
NANDURBAR	0830	206	1001.7	978.6	-0.2	25.8	24.0	22.9	28.4	83	- 4	.	..	7.1	0	4	20	00	0	1	1	0	19	3	0	7	0
	1730	206	998.7	975.8	-0.6	28.3	24.3	22.4	27.1	72	- 5	.	..	11.8	0	9	22	00	1	0	0	0	21	3	6	0	0
JALGAON	0830	201	1001.3	978.8	-1.0	26.5	24.1	23.0	28.1	82	- 3	5.9	-0.2	13.6	0	5	24	00	0	0	0	2	9	14	4	2	0
	1730	201	997.8	975.8	-1.3	31.2	25.1	22.1	26.9	62	- 3	6.2	-0.2	21.5	0	17	14	01	0	0	1	1	6	13	9	0	0
MALEGAON	0830	437	1001.7	953.5	-0.8	25.7	24.4	24.0	29.8	92	+16	5.5	-1.4	11.5	0	2	27	00	0	0	0	3	3	17	6	2	0
	1730	437	998.9	951.3	-0.5	28.6	27.0	26.4	34.4	89	+23	5.8	-1.1	14.6	0	5	26	00	1	2	1	0	8	12	7	0	0
OZAR	0530	608	1001.1	934.1	..	22.3	21.2	20.7	24.4	91	..	6.2	..	19.4	0	16	16	00	0	0	1	2	9	17	2	0	0
	0830	608	1002.0	935.3	..	23.9	22.1	21.3	25.3	86	..	6.7	..	22.0	0	18	13	00	0	0	0	1	11	16	3	0	0
	1130	608	1001.8	935.5	..	26.3	22.9	21.4	25.5	76	..	7.0	..	26.8	0	22	9	00	0	1	0	0	14	14	2	0	0
	1430	608	1000.1	934.1	..	27.0	23.0	21.2	25.2	72	..	7.1	..	33.6	0	28	3	02	0	0	0	1	10	17	2	0	0
	1730	608	999.4	933.3	..	25.7	22.7	21.3	25.3	79	..	6.7	..	34.6	0	28	3	00	0	0	0	0	11	17	3	0	0
AHMADNAGAR	0830	657	1001.7	929.9	-1.7	24.0	21.9	20.8	24.7	83	+ 4	6.7	+0.2	11.2	0	3	26	00	0	0	0	0	23	0	6	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JULY 1967 (ASADHA 10 – SRAVANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. — At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. — At station level	Mean pressure in mbs. — Departure from normal	Mean temperature in °C — Dry bulb	Mean temperature in °C — Wet bulb	Mean temperature in °C — Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) — Mean amount	Cloud Amount (Oktas) — Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.) — 62 or more	Wind Speed — 20 to 61	Wind Speed — 1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD.)																											
AHMADNAGAR	1730	657	998.4	927.7	-1.9	28.1	22.8	20.7	24.4	67	+ 3	6.5	-0.3	16.1	0	11	19	00	1	0	0	0	19	0	10	1	0
POONA AERODROME	0230	593	1002.3	936.7	..	22.4	21.3	20.8	24.6	91	..	5.9	..	10.6	0	4	17	00	0	0	0	0	8	13	0	10	0
	0530	593	1002.1	936.4	..	21.9	21.0	20.6	24.3	92	..	6.1	..	10.7	0	6	14	00	0	0	0	0	1	19	0	11	0
	0830	593	1002.9	937.6	..	23.4	21.7	20.8	24.7	86	..	6.5	..	15.9	0	9	17	00	0	0	0	0	9	17	0	5	0
	1130	593	1002.6	937.8	..	26.1	22.7	21.2	25.2	75	..	6.9	..	24.3	0	24	7	00	0	0	0	0	7	23	1	0	0
	1730	593	1000.7	935.8	..	25.1	22.3	20.9	24.9	78	..	6.9	..	27.5	0	27	4	00	0	0	0	0	4	27	0	0	0
	2330	593	1003.5	937.7	..	22.7	21.5	20.8	24.7	89	..	6.2	..	18.3	0	14	15	00	0	0	1	0	11	17	0	2	0
POONA	0530	559	1002.3	940.5	..	22.6	21.0	20.2	23.6	86	..	6.7	..	9.2	0	4	20	00	0	0	0	0	1	23	0	7	0
	0830	559	1003.3	941.6	-0.9	23.9	21.7	20.7	24.4	82	- 1	6.9	-0.2	10.6	0	3	27	00	0	0	0	0	2	28	0	1	0
	1130	559	1003.1	941.8	..	26.0	22.5	20.8	24.6	74	..	7.4	..	13.4	0	6	25	00	0	0	0	0	2	28	1	0	0
	1430	559	1001.7	940.7	..	26.6	22.5	20.6	24.1	71	..	7.3	..	14.8	0	9	22	00	0	0	0	0	3	28	0	0	0
	1730	559	1001.2	939.9	-1.0	25.2	22.0	20.5	24.1	76	- 3	7.2	+0.0	13.4	0	4	27	00	0	0	0	0	2	29	0	0	0
	2030	559	1002.8	941.1	..	23.6	21.4	20.3	23.8	82	..	6.3	..	12.8	0	5	25	00	0	0	0	0	1	29	0	1	0
	2330	559	1003.9	942.0	..	23.0	21.4	20.5	24.3	86	..	6.2	..	10.6	0	4	24	00	0	0	0	0	1	27	0	3	0
JEUR	0830	521	1002.8	945.6	-1.0	25.2	22.4	21.2	25.2	79	- 2	4.4	-1.3	16.2	0	7	24	05	0	0	0	6	6	9	5	0	0
	1730	521	999.4	942.8	-1.1	28.9	23.3	20.8	24.6	65	+ 2	5.3	-1.1	24.9	0	23	8	02	0	0	0	2	3	19	5	0	0
BARAMATI	0830	551	1003.1	942.5	-1.0	24.6	22.1	20.9	24.7	81	+ 0	5.5	-1.0	14.3	0	7	24	00	0	0	0	3	10	14	4	0	0
	1730	551	1000.5	940.5	-0.8	27.2	22.8	20.8	24.6	69	+ 1	5.6	-1.3	23.8	0	16	15	01	0	0	0	3	5	19	3	0	0
SHOLAPUR	0530	479	1002.8	949.6	..	23.1	21.9	21.4	25.5	91	..	6.0	..	5.3	0	0	28	01	0	0	0	0	19	6	2	3	0
	0830	479	1003.8	950.9	-0.8	25.1	22.8	21.7	26.1	82	+ 3	6.2	+0.0	6.5	0	0	29	00	0	0	0	0	24	1	4	2	0
	1130	479	1002.9	950.6	..	28.5	23.7	21.5	25.8	67	..	6.9	..	12.3	0	7	24	01	0	0	0	0	15	12	3	0	0
	1430	479	1000.4	948.6	..	30.0	24.1	21.5	25.6	63	..	7.0	..	10.9	0	6	23	00	1	0	0	0	16	11	1	2	0
	1730	479	999.6	947.6	-1.2	29.3	23.6	21.0	25.0	64	+ 3	7.5	+0.7	9.4	0	1	29	02	0	0	0	2	19	6	1	1	0
	2330	479	1004.0	951.0	..	24.5	22.5	21.6	25.8	85	..	5.7	..	7.4	0	2	24	01	0	0	0	0	17	7	1	5	0
MIRAJ	0830	554	1004.8	943.8	-0.6	23.5	21.8	21.0	24.9	86	- 1	7.3	+1.7	..	..	..	..	00	0	0	0	0	0	17	0	14	0
	1730	554	1002.2	941.8	-0.7	26.5	22.3	20.3	23.8	70	- 6	6.9	+0.0	..	..	..	..	00	0	0	0	0	1	30	0	0	0
KOLHAPUR	0530	570	1003.3	940.2	..	21.8	21.2	20.8	24.7	94	..	7.1	..	15.1	0	10	19	00	0	0	0	0	1	25	3	2	0
	0830	570	1004.4	941.4	-1.1	22.6	21.7	21.3	25.3	92	+ 2	6.9	-0.2	12.7	0	6	25	00	0	0	0	0	12	18	1	0	0
	1130	570	1004.3	941.7	..	24.7	22.6	21.7	25.9	84	..	6.8	..	15.3	0	9	22	01	0	0	0	0	13	15	2	0	0
	1730	570	1002.1	939.6	-1.2	24.5	22.3	21.3	25.3	83	+ 0	6.9	-0.2	18.7	0	13	18	00	0	0	0	0	8	18	5	0	0
	2330	570	1005.0	941.9	..	22.3	21.4	21.0	24.9	92	..	5.7	..	10.7	0	3	28	00	0	0	0	0	9	22	0	0	0
MARATHWADA																											
AURANGABAD	0830	581	1002.7	938.8	-1.0	23.8	21.8	20.8	24.7	81	- 6	6.5	-0.7	13.4	0	0	28	00	0	0	0	0	11	17	0	3	0
	1730	581	998.3	935.7	-1.3	28.3	22.9	20.3	24.1	65	- 7	6.5	-0.9	23.0	0	3	26	01	0	0	0	0	6	20	2	2	0
AURANGABAD(CHIKALTHAN)	0230	579	1001.3	937.4	..	23.0	21.1	20.0	23.5	84	..	6.5	..	13.8	0	3	25	00	0	0	0	0	6	21	1	3	0
	0530	579	1001.2	937.2	..	22.6	21.0	20.2	23.7	87	..	6.6	..	14.6	0	5	25	00	0	0	0	0	10	17	3	1	0
	0830	579	1002.1	938.5	-0.8	24.2	21.8	20.7	24.4	81	- 3	6.4	-0.6	20.0	0	14	17	00	0	0	0	0	8	20	3	0	0
	1130	579	1001.6	938.6	..	27.2	22.6	20.4	24.0	67	..	7.2	..	23.4	0	20	11	00	0	0	0	0	6	19	6	0	0
	1430	579	999.2	936.7	..	29.0	23.0	20.1	23.7	61	..	6.8	..	25.0	0	20	11	01	0	0	0	0	4	18	7	0	1
	1730	579	998.2	935.6	-1.1	28.3	22.7	20.1	23.5	63	- 7	6.8	-0.5	24.0	0	20	11	01	0	1	1	0	4	16	8	0	0
	2030	579	1000.8	937.5	..	25.4	22.0	20.3	24.0	75	..	6.2	..	20.4	0	14	17	02	0	1	1	0	2	22	3	0	0
	2330	579	1002.3	938.6	..	23.9	21.5	20.4	24.0	81	..	6.3	..	16.7	0	9	20	00	0	0	0	1	4	23	1	2	0
PARBHANI	0830	423	1002.8	955.9	-0.9	25.4	22.3	20.9	24.7	77	- 5	5.9	-0.6	13.3	0	5	26	00	0	0	0	1	8	20	2	0	0
	1730	423	998.4	952.8	-0.7	30.1	23.1	20.3	24.3	61	- 4	6.8	-0.3	17.1	0	14	16	00	1	0	1	1	2	18	7	1	0
NANDER	0830	358	1002.6	963.0	..	26.1	23.7	22.4	27.1	80	..	6.8	..	5.8	0	0	22	00	0	0	0	1	9	10	2	9	0
	1730	358	999.3	960.2	..	30.9	25.2	22.4	27.3	64	..	6.8	..	4.8	0	0	24	00	0	0	0	2	10	8	4	7	0
BIR	0830	519	1002.7	946.0	..	25.2	22.4	21.1	25.0	79	..	5.5	..	7.5	0	0	30	00	0	0	0	0	15	0	15	1	0
	1730	519	999.2	943.0	..	30.2	23.4	20.5	24.1	63	..	5.8	..	13.7	0	10	19	00	1	0	0	0	14	0	14	2	0
VIDARBHA																											
GONDIA	0830	313	1000.5	965.9	-1.0	26.7	24.3	23.1	28.4	82	- 4	6.5	-0.4	3.3	0	0	23	00	0	0	0	2	12	6	3	8	0
	1730	313	997.6	963.3	-0.8	28.8	25.0	23.3	28.6	74	- 3	6.5	-0.3	4.8	0	0	28	04	2	1	2	2	6	5	5	3	1
NAGPUR(SONEGAON)	0230	310	999.1	964.6	..	25.4	23.9	23.1	28.3	88	..	6.5	..	5.9	0	1	19	01	0	0	1	1	6	7	4	11	0
	0530	310	999.4	964.9	..	24.9	23.6	22.9	27.9	90	..	7.1	..	6.9	0	1	24	01	0	0	1	5	6	9	3	6	0
	0830	310	1000.7	966.3	-1.0	26.6	24.2	23.0	28.3	82	- 1	6.5	-0.6	13.7	0	8	22	01	0	1	1	0	7	13	7	1	0
	1130	310	1000.2	966.3	..	29.1	25.1	23.2	28.6	72	..	6.9	..	12.6	0	7	23	00	1	1	1	2	7	13	5	1	0
	1430	310	998.0	964.1	..	30.6	25.3	22.9	27.9	65	..	7.1	..	14.8	0	12	17	00	0	0	1	2	5	10	11	2	0
	1730	310	997.3	963.4	-0.9	29.1	24.8	22.7	27.9	71	- 1	7.1	-0.2	11.5	0	6	23	02	1	1	2	1	6	10	6	2	0
	2030	310	999.4	965.1	..	26.9	24.4	23.2	28.6	82	..	6.9	..	4.6	0	1	17	01	0	1	1	4	5	5	1	13	0
	2330	310	1000.3	965.8	..	25.8	24.2	23.4	28.9	87	..	6.6	..	4.5	0	0	19	00	0	1	1	1	5	7	4	12	0
AMRAOTI	0830	370	1001.1	960.2	-0.7	25.9	23.1	21.7	25.9	78	- 6	6.5	-0.3	7.2	0	0	31	00	0	0	2	2	10	13	4	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JULY 1967 (ASADHA 10 - SRAVANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb: At mean sea level or lat. in place of mean standard isobaric level	Mean pressure in mb: At station level	Mean pressure in mb: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative Humidity %	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 62 or more	20 to 61	1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA (CONTD)																											
AMRAOTI	1730	370	997.6	957.2	-0.9	29.1	24.0	21.3	25.6	67	- 2	6.5	-0.6	12.1	0	3	28	02	2	2	0	1	6	12	6	0	0
AKOLA AERODROME	0530	309	999.6	965.1	..	24.5	22.7	21.9	26.1	84	..	6.5	..	7.3	0	2	28	00	0	0	0	5	11	9	5	1	0
	0830	309	1000.9	966.6	..	26.0	23.2	22.0	26.1	79	..	6.0	..	8.4	0	0	31	00	1	0	0	2	10	14	4	0	0
	1130	309	1000.5	966.5	..	29.2	24.1	21.7	25.9	67	..	6.5	..	9.9	0	0	30	00	0	1	0	2	8	12	7	1	0
	1430	309	998.3	964.5	..	30.7	24.6	21.6	25.9	61	..	6.6	..	9.8	0	3	27	00	1	0	0	1	10	12	6	1	0
	1730	309	997.2	963.4	..	29.8	24.3	21.5	25.9	65	..	6.7	..	8.6	0	1	26	00	1	0	0	1	8	11	6	4	0
	2030	309	999.0	964.9	..	27.6	23.8	21.9	26.4	74	..	6.0	..	6.6	0	0	29	03	0	1	0	4	6	11	4	2	0
	2330	309	1000.3	966.0	..	26.3	23.6	22.2	26.9	80	..	6.0	..	7.7	0	2	26	00	0	0	1	5	8	9	5	3	0
AKOLA	0830	282	1001.2	970.0	-0.6	26.1	23.7	22.5	27.3	81	+ 0	6.2	+0.0	2.8	0	0	30	00	1	0	0	1	8	17	3	1	0
	1730	282	997.2	966.4	-1.1	30.3	25.3	22.9	28.1	69	+ 1	6.9	+0.6	5.9	0	0	28	00	1	0	1	0	19	2	5	3	0
BRAMHAPURI	0830	229	1001.3	975.7	-0.4	26.4	24.3	23.3	28.6	84	- 3	6.5	-0.7	6.1	0	0	30	01	0	1	1	7	9	7	4	1	0
	1730	229	997.9	972.7	-0.5	29.4	25.2	23.3	28.6	71	- 6	7.3	+0.3	7.1	0	0	29	01	1	0	4	5	9	6	3	2	0
BULDANA	0830	650	1001.2	930.0	-1.2	23.7	21.8	20.9	24.7	86	+ 0	6.3	-0.7	15.6	0	11	20	00	0	0	0	1	13	4	13	0	0
	1730	650	997.7	927.6	-1.3	27.7	23.2	21.2	25.0	70	- 1	6.9	-0.4	8.5	0	0	31	02	1	0	0	0	5	0	23	0	0
YEUTMAL	0830	451	1001.2	991.4	-0.9	25.4	23.0	21.8	26.1	81	- 5	7.1	+0.3	13.1	0	2	29	00	0	0	2	1	8	16	4	0	0
	1730	451	997.1	948.1	-1.4	29.0	24.2	21.8	26.3	68	- 5	6.7	-0.4	15.5	0	9	22	01	0	1	1	2	8	16	2	0	0
CHANDRAPUR	0830	193	1001.2	979.6	-1.0	26.9	24.1	22.7	27.7	79	- 3	6.5	-0.3	11.6	0	3	28	01	0	0	2	2	9	11	6	0	0
	1730	193	997.7	976.4	-1.0	30.2	25.3	22.9	28.3	68	- 7	6.7	-0.2	13.2	0	9	21	02	1	1	1	4	5	9	7	1	0
PUSAD	0830	334	1002.5	965.5	..	26.2	24.0	23.0	28.1	83	..	4.0	..	2.5	0	0	21	00	1	1	0	1	14	0	4	10	0
	1730	334	998.6	962.3	..	31.0	25.9	23.5	29.3	64	..	5.3	..	2.3	0	0	22	00	1	0	1	1	13	0	6	9	0
SIRONCHA	0830	123	1002.4	988.5	-1.0	27.0	24.8	23.8	29.5	84	- 1	6.5	-0.4	1.7	0	0	21	00	0	1	4	3	3	4	6	10	0
	1730	123	998.9	985.3	-0.9	30.2	25.8	23.8	29.7	71	- 2	6.9	-0.1	2.1	0	0	26	01	3	1	4	1	5	5	6	5	0
WARDHA	0830	283	1001.4	969.9	..	26.6	24.0	22.7	27.7	80	..	5.8	..	6.8	0	0	31	03	0	1	1	1	4	9	12	0	0
	1730	283	998.2	967.1	..	29.6	24.6	22.1	26.7	68	..	6.7	..	7.1	0	1	30	03	1	1	1	1	7	10	7	0	0
BHANDARA	0830		..	..	..	27.2	24.5	23.2	28.6	79	..	.	..	2.5	0	0	26	01	1	0	1	0	16	5	1	5	1
	1730		..	..	..	29.3	24.9	22.7	27.9	70	..	.	..	3.7	0	0	27	00	2	0	1	0	16	5	0	4	3
COASTAL ANDHRA PRADESH																											
KALINGAPATAM	0830	6	1001.6	1001.0	+0.2	28.5	26.7	26.0	33.8	87	+ 4	4.9	-1.5	12.3	0	4	26	02	1	0	0	9	9	2	2	1	5
	1730	6	999.1	998.4	+0.1	29.1	27.0	26.2	33.8	85	+ 3	4.9	-1.9	14.4	0	5	26	01	0	0	0	11	12	0	1	0	6
VISHAKHAPATNAM	0230	3	1000.6	1000.2	..	26.9	25.5	25.0	31.5	89	..	5.3	..	8.1	0	3	23	01	0	0	0	0	14	8	3	5	0
	0530	3	1000.7	1000.3	..	26.6	25.4	24.8	31.5	90	..	7.0	..	8.5	0	3	18	02	0	0	0	0	12	6	1	10	0
	0830	3	1001.8	1001.4	-0.2	28.4	25.9	24.9	31.5	82	- 2	6.4	-0.5	14.3	0	7	22	00	0	0	0	1	19	7	2	2	0
	1130	3	1001.2	1000.8	..	30.9	26.7	25.0	31.5	72	..	6.5	..	16.5	0	13	18	00	0	1	0	1	16	6	6	0	1
	1430	3	999.4	999.0	..	31.5	27.1	25.4	32.2	71	..	6.3	..	20.3	0	20	10	00	0	0	0	7	17	3	3	1	0
	1730	3	999.4	999.0	+0.1	29.7	26.4	24.9	31.9	77	- 5	6.5	-0.5	15.4	0	8	23	00	0	0	2	5	14	4	6	0	0
	2030	3	1001.4	1001.0	..	28.1	26.0	25.1	31.9	85	..	6.0	..	8.8	0	2	25	00	1	1	0	0	19	4	2	4	0
	2330	3	1002.0	1001.6	..	27.5	25.9	25.3	32.2	82	..	5.7	..	9.3	0	5	23	01	0	0	0	0	17	8	2	3	0
KAKINADA	0830	8	1002.2	1001.8	-0.5	28.3	25.6	24.1	30.7	80	- 1	5.7	-0.4	12.6	0	4	27	00	0	0	0	0	26	0	3	0	0
	1730	8	999.7	998.8	-0.5	30.9	26.7	24.9	31.5	72	- 1	6.1	+0.1	13.3	0	4	27	00	0	0	3	0	25	0	3	0	0
NIDADAVOLE	0830	12	1003.1	1001.7	-0.4	27.6	25.2	24.1	30.1	82	- 4	6.5	-0.8	5.4	0	0	31	00	1	3	1	1	7	18	0	0	0
	1730	12	999.8	998.4	-0.7	30.5	25.9	24.0	29.4	70	- 6	6.8	-0.5	5.2	0	0	31	01	0	2	0	7	6	14	1	0	0
RENTACHINTALA	0830	106	1003.2	991.4	-0.6	28.1	24.1	22.3	26.7	72	+ 2	5.9	-1.1	2.5	0	0	27	00	0	0	0	0	1	26	0	4	0
	1730	106	999.7	988.0	-0.4	31.9	24.8	21.3	25.3	53	- 1	6.3	-0.8	2.2	0	0	30	00	0	0	0	0	0	30	0	1	0
GANNAVARAM	0230	24	1001.6	998.9	..	26.8	24.7	23.7	29.3	84	..	6.3	..	9.9	0	5	18	01	0	1	0	0	7	13	1	8	0
	0530	24	1001.9	999.1	..	26.3	24.4	23.4	28.9	85	..	6.9	..	9.2	0	4	17	00	0	3	0	0	7	11	0	10	0
	0830	24	1003.1	1000.5	-0.8	28.2	24.8	23.3	28.4	76	- 3	6.6	-0.1	13.4	0	8	20	00	0	2	1	0	7	15	3	3	0
	1130	24	1002.5	999.8	..	31.5	25.6	22.8	27.9	62	..	6.1	..	16.9	0	10	21	00	0	0	0	2	6	18	5	0	0
	1430	24	1000.3	997.7	..	32.6	25.7	22.5	27.3	59	..	6.7	..	19.2	0	12	19	01	0	0	1	2	3	18	6	0	0
	1730	24	999.6	997.1	-0.9	30.9	25.2	22.6	27.3	64	- 1	7.1	+0.4	14.2	0	7	22	01	0	2	1	3	4	16	2	2	0
	2030	24	1002.0	999.3	..	28.6	24.9	23.2	28.6	75	..	6.0	..	9.3	0	4	22	02	0	1	0	3	10	8	2	5	0
	2330	24	1002.9	1000.1	..	27.3	24.6	23.3	28.6	80	..	6.3	..	7.4	0	2	22	00	1	1	0	4	11	6	1	7	0
MASULIPATAM	0830	3	1003.2	1002.9	-0.8	27.8	24.9	23.3	28.9	77	- 3	7.0	+1.1	4.7	0	0	28	01	0	0	0	8	13	5	0	3	1
	1730	3	1000.3	1000.0	-0.4	30.6	25.5	23.1	28.4	65	- 5	6.9	+1.0	4.3	0	0	30	01	0	0	1	2	12	9	2	1	3
ONGOLE	0830	12	1003.5	1002.2	-1.0	30.1	25.3	23.3	28.3	68	-10	6.0	-0.2	5.3	0	0	31	00	0	0	0	0	1	27	3	0	0
	1730	12	999.9	998.6	-1.2	32.9	26.7	23.9	30.0	61	- 9	6.3	+0.1	4.8	0	0	31	01	0	3	4	0	5	18	0	0	0
NELLORE	0530	20	1003.1	1000.9	..	26.8	25.0	24.2	30.2	86	..	7.1	..	4.1	0	0	23	00	0	1	4	0	13	3	2	8	0
	0830	20	1004.3	1002.1	-0.8	29.3	26.3	25.0	31.7	78	+13	7.2	+0.5	5.4	0	0	29	00	0	0	3	0	19	4	3	2	0
	1130	20	1004.0	1001.8	..	32.1	27.1	25.1	31.7	67	..	6.6	..	10.8	0	1	30	00	0	0	6	3	12	8	2	0	0
	1430	20	1001.8	999.6	..	34.0	28.1	25.7	33.0	63	..	7.0	..	10.3	0	3	28	00	0	1	6	1	14	9	0	0	0
	1730	20	1001.1	999.0	-0.1	32.8	27.7	25.6	33.0	67	+16	7.1	+0.4	9.5	0	0	31	00	0	3	3	0	24	1	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JULY ,1967ASADHA 10 - SRAVANA 9,1 889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C						Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or Kt. in gen. of mean standard isobaric level	At station level	Departure from normal	Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															0 or Calm	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL ANDHRA PRADESH (CONTD.)																												
NELLORE	2330	20	1004.1	1001.9	..	28.6	26.2	25.2	32.1	32	..	7.1	..	5.7	0	0	25	00	0	0	5	2	11	7	0	6	0
TELANGANA																												
RAMGUNDAM	0830	156	1001.8	984.3	-1.1	27.1	24.1	22.7	27.6	79	+ 0	6.1	-0.8	4.8	0	0	26	00	0	0	0	1	9	16	0	5	0
	1730	156	998.5	981.3	-1.0	31.3	25.9	23.5	28.9	66	- 1	6.8	+0.2	3.2	0	0	28	01	2	0	1	0	4	17	3	3	0
NIZAMABAD	0830	381	1002.5	960.2	-0.8	25.5	22.9	21.6	25.8	80	+ 1	6.2	+0.3	3.2	0	0	22	00	0	0	0	0	22	0	0	9	0
	1730	381	998.3	956.9	-0.8	29.5	24.6	22.2	26.9	64	- +	6.3	+0.0	3.3	0	0	21	01	0	0	0	0	19	0	1	10	0
HANAMKONDA	0830	269	1002.3	972.4	-1.0	26.5	23.9	22.7	27.6	82	+ 5	5.6	-0.8	2.0	0	0	30	01	0	0	1	0	0	28	0	1	0
	1730	269	1000.2	970.8	+0.3	30.3	24.9	22.5	27.1	66	+ 1	5.5	-1.0	2.0	0	0	31	04	0	0	2	6	8	5	6	0	0
HAKIMPET AERODROME	0530	613	1002.2	934.7	..	22.5	21.4	20.8	24.7	90	..	6.5	..	25.8	0	19	10	00	0	0	0	1	8	20	0	2	0
	0830	613	1002.8	935.5	..	23.9	22.1	21.1	25.3	84	..	6.9	..	29.8	0	23	8	00	0	0	0	0	8	22	1	0	0
	1130	613	1001.9	935.4	..	27.3	23.1	21.1	25.2	68	..	6.6	..	32.5	0	25	6	00	0	0	0	0	6	21	4	0	0
	1730	613	999.9	933.5	..	27.7	23.1	20.9	24.9	69	..	6.8	..	25.6	0	16	15	01	0	0	0	0	11	14	5	0	0
	2330	613	1002.5	935.4	..	24.3	22.1	21.1	25.0	83	..	6.6	..	23.7	0	17	13	01	0	0	0	0	12	16	1	1	0
BHADRACHALLAM	0830	111	1002.1	989.7	-1.8	27.4	24.6	23.6	28.6	79	- 3	6.1	-1.1	4.8	0	0	31	00	5	0	0	0	17	0	9	0	0
	1730	111	999.0	986.7	-1.3	30.2	25.4	23.2	28.4	69	+ 0	7.0	-0.4	3.9	0	0	31	00	8	0	0	0	13	0	10	0	0
HYDERABAD(BEGAMPET)	0230	545	1001.7	941.8	..	23.9	21.6	20.5	24.1	83	..	6.0	..	15.7	0	15	11	00	0	0	0	0	4	19	3	5	0
	0530	545	1002.1	942.0	..	23.1	21.3	20.4	24.0	85	..	6.4	..	16.3	0	12	18	00	0	0	0	0	6	20	4	1	0
	0830	545	1003.2	943.3	-0.7	24.3	21.9	20.7	24.6	81	- 2	7.1	+0.1	18.9	0	15	16	00	0	0	0	0	8	19	4	0	0
	1130	545	1002.3	943.0	..	27.6	22.8	20.5	24.3	67	..	7.0	..	24.2	0	24	7	00	0	0	0	0	4	19	8	0	0
	1730	545	999.1	940.3	-0.4	28.5	22.8	20.1	23.5	63	- 6	7.2	+0.2	17.3	0	14	15	01	0	0	0	1	6	16	5	2	0
	2330	545	1003.1	943.3	..	25.0	22.0	20.6	24.3	78	..	6.6	..	15.1	0	10	17	01	1	0	1	0	7	16	1	4	0
KHAMMAM	0830	112	1002.9	980.3	-1.0	27.2	25.2	24.4	30.4	85	+ 4	6.8	+0.3	3.8	0	0	20	03	0	0	0	0	2	4	11	11	0
	1730	112	999.4	987.0	-1.0	31.2	26.5	24.4	30.7	68	+ 1	7.1	+0.1	0.6	0	0	9	03	0	0	0	0	0	5	1	22	0
MAHBUBNAGAR	0830	505	1003.6	948.0	-1.1	24.5	22.2	21.1	25.0	81	- 3	7.1	-0.1	9.8	0	0	31	00	0	0	0	0	11	15	5	0	0
	1730	505	999.9	945.1	-1.0	28.0	23.2	21.0	24.9	68	- 1	7.7	+0.4	6.5	0	0	30	01	0	1	0	0	6	14	8	1	0
RAYALASEEMA																												
KURNOOL	0830	281	1004.8	973.4	-0.7	26.4	22.9	21.2	25.0	74	- 1	7.1	+0.2	18.5	0	10	21	00	0	0	0	0	30	0	1	0	0
	1730	281	1000.5	969.7	-0.6	30.4	23.6	19.9	23.5	55	- 2	7.4	+0.3	22.6	0	16	15	00	1	0	1	0	22	0	5	0	2
NANDYL	0830	212	1004.9	981.1	..	26.3	23.6	22.0	26.9	77	..	6.0	..	7.2	0	0	29	02	0	0	2	10	6	8	1	2	0
	1730	212	1000.5	977.3	..	30.5	24.2	21.0	25.0	59	..	6.5	..	14.1	0	9	20	04	0	1	0	6	1	10	7	2	0
ANANTAPUR	0530	350	1003.9	964.9	..	24.1	22.6	21.8	26.3	87	..	6.4	..	13.5	0	9	19	00	0	0	0	0	8	20	0	3	0
	0830	350	1005.0	966.1	-0.8	25.9	23.5	22.3	26.9	81	+ 8	6.6	-0.3	16.1	0	10	20	00	0	0	0	0	9	20	1	1	0
	1130	350	1004.2	965.7	..	29.2	24.3	21.8	26.3	66	..	6.5	..	24.5	0	18	9	00	0	0	0	0	5	19	3	4	0
	1430	350	1001.9	963.7	..	30.8	24.9	22.1	26.6	61	..	7.0	..	20.6	0	14	16	00	0	0	0	0	2	24	4	1	0
	1730	350	1001.3	963.0	-0.6	29.7	24.5	22.0	26.4	64	+11	6.8	-0.1	20.0	0	17	10	00	0	0	0	0	4	21	2	4	0
	2030	350	1004.1	965.3	..	26.8	23.9	22.6	27.4	79	..	6.4	..	17.3	0	19	10	00	0	0	0	0	4	21	0	6	0
	2330	350	1005.2	966.2	..	25.4	23.4	22.4	27.1	84	..	6.1	..	18.8	0	12	18	00	0	0	0	0	7	23	0	1	0
CUDDAPAH	0830	130	1005.2	990.6	-1.1	27.4	24.1	22.5	27.3	76	+ 9	6.0	-0.7	2.4	0	0	16	00	0	0	0	0	3	13	0	15	0
	1730	130	1001.2	986.8	-0.8	31.8	25.1	21.9	26.3	58	+ 0	6.0	-0.6	3.5	0	0	19	00	0	0	0	0	2	15	2	12	0
AROGYAVARAM	0830	701	1004.9	928.4	-1.2	24.0	21.8	20.6	24.6	80	+ 8	7.2	+0.3	12.3	0	9	22	00	0	0	1	0	12	0	18	0	0
	1730	701	1001.1	925.8	-1.0	27.8	23.5	21.8	25.8	70	+13	7.7	+0.5	12.7	0	6	25	00	0	0	1	0	9	0	21	0	0
MADRAS STATE(INCLUDING PONDICHERRY																												
MADRAS	0830	6	1005.2	1004.5	-0.6	28.5	24.5	22.7	27.4	71	+ 2	5.8	-0.5	5.1	0	0	24	00	0	0	0	0	9	13	2	7	0
	1730	6	1002.0	1001.3	..	31.0	25.8	23.5	28.9	65	..	6.6	..	6.5	0	0	27	00	0	1	8	2	10	6	0	4	0
MADRAS(MINAMBAKKAM)	0230	16	1003.7	1001.9	..	27.2	24.0	22.4	27.3	76	..	5.9	..	8.8	0	0	27	00	0	0	0	6	12	9	0	4	0
	0530	16	1003.7	1002.0	..	26.5	23.4	21.9	26.3	77	..	6.2	..	7.0	0	1	21	00	0	0	0	4	9	9	0	9	0
	0830	16	1005.1	1003.4	-0.8	28.7	24.0	21.7	25.9	67	+ 2	6.1	-0.5	11.5	0	5	25	00	0	0	0	3	19	8	0	1	0
	1130	16	1004.6	1002.9	..	32.0	24.6	21.0	24.9	53	..	6.0	..	16.9	0	9	21	00	0	0	0	0	14	12	4	1	0
	1430	16	1002.3	1000.7	..	33.4	25.3	21.4	25.6	50	..	6.6	..	14.1	0	4	26	00	0	0	4	2	9	12	1	1	2
	1730	16	1002.0	1000.3	-0.4	31.6	25.1	21.9	26.6	59	- 2	6.7	-0.4	15.0	0	8	23	01	0	3	6	1	13	5	1	0	1
	2030	16	1004.1	1002.4	..	29.0	24.9	22.9	28.3	71	..	5.8	..	11.5	0	3	26	00	0	3	2	9	13	2	0	2	0
	2330	16	1005.1	1003.4	..	27.8	24.4	22.7	27.7	75	..	6.7	..	11.2	0	4	24	00	0	0	0	10	13	5	0	3	0
VELLORE	0530	214	1004.4	980.4	..	25.3	22.3	20.8	24.4	76	..	5.5	..	3.7	0	0	13	00	0	0	0	1	6	6	0	18	0
	0830	214	1005.7	981.8	-0.5	27.2	23.0	20.8	24.7	69	+ 3	5.7	-0.3	10.0	0	2	26	00	0	0	0	0	3	23	2	3	0
	1130	214	1004.9	981.2	..	30.6	24.1	20.9	24.7	57	..	6.1	..	11.7	0	1	30	00	0	0	0	0	8	21	2	0	0
	1730	214	1002.1	978.6	+0.0	30.9	24.2	20.9	24.7	56	+ 5	6.5	-0.1	7.7	0	0	27	00	1	0	1	1	8	15	1	4	0
	2330	214	1005.9	981.9	..	26.6	23.2	21.6	25.8	76	..	5.8	..	6.1	0	0	21	00	0	0	0	2	9	10	0	10	0
TAMBARAM AERODROME	0830	29	1004.8	1001.7	..	28.9	24.9	23.0	28.3	71	..	5.8	..	15.3	0	9	18	00	0	0	1	1	10	14	1	4	0
	1730	29	1002.3	999.1	..	31.7	25.8	23.0	28.3	62	..	6.7	..	19.6	0	15	14	01	1	2	4	3	10	6	2	2	0
TIRUPPATTUR	0830	390	1008.1	964.5	+1.1	23.6	22.6	22.1	26.6	91	+15	7.7	+0.8	4.0	0	0	28	12	0	0	0	15	0	1	0	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JULY 1967 (ASADHA 10 - SRAVANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or bt. in gpm. of mean standard isobaric level	Mean pressure in mb. At station level	Mean pressure in mb. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADRAS STATE (INCLUDING PONDICHERRY) (CONTD.)																											
TIRUPPATTUR	1730	390	1005.6	962.4	+2.1	25.7	23.4	22.3	26.9	82	+24	7.6	+0.5	7.0	0	0	31	17	0	0	0	14	0	0	0	0	0
METTUR DAM R.S.	0830	244	..	..	..	27.0	23.9	22.3	26.9	75	..	4.8	..	3.6	0	0	30	03	0	0	18	0	9	0	0	1	0
	1730	244	..	..	..	28.8	26.0	24.8	31.3	79	..	5.3	..	4.5	0	0	31	00	0	0	12	0	18	0	1	0	0
CUDDALORE	0530	12	1004.3	1003.0	..	26.0	24.1	23.2	28.6	85	..	4.9	..	0.5	0	0	3	00	0	0	0	0	3	0	0	28	0
	0830	12	1005.5	1004.3	-1.0	29.6	25.0	23.4	27.9	71	+ 3	5.3	-0.8	2.8	0	0	16	00	0	0	0	2	10	4	0	15	0
	1130	12	1004.9	1003.6	..	32.7	25.9	22.8	27.9	57	..	5.4	..	6.9	0	0	26	00	0	0	1	0	14	10	1	5	0
	1430	12	1002.8	1001.5	..	34.0	26.6	23.4	28.8	55	..	6.5	..	7.8	0	2	24	00	0	2	7	0	9	6	2	5	0
	1730	12	1002.5	1001.2	-0.7	31.1	26.4	24.3	30.4	69	+ 9	6.0	-0.5	5.6	0	0	22	00	0	0	14	1	7	0	0	9	0
	2330	12	1005.6	1004.3	..	27.5	25.0	23.8	29.7	81	..	4.7	..	4.9	0	1	14	00	0	0	6	1	8	0	0	16	0
KALLAKKURICHCHI	0830	127	1005.4	991.2	-0.9	28.1	25.2	23.9	29.7	80	+11	5.2	+0.0	7.3	0	0	27	00	0	0	3	0	24	0	0	4	0
	1730	127	1001.9	988.0	-0.6	32.1	26.7	24.4	30.5	65	+14	6.5	+0.2	8.8	0	2	22	01	1	0	1	0	18	0	3	7	0
SALEM	0530	278	1005.2	973.9	..	24.0	21.9	20.8	24.6	82	..	6.2	..	4.3	0	0	24	00	0	0	0	0	9	15	0	7	0
	0830	278	1006.3	975.2	-1.0	25.7	22.5	20.9	24.7	75	- 3	6.0	-0.1	2.2	0	0	14	00	0	0	0	0	7	6	1	17	0
	1130	278	1005.5	974.9	..	29.9	23.6	20.3	24.0	57	..	5.9	..	7.7	0	0	29	00	0	0	0	0	12	15	1	2	1
	1730	278	1002.4	971.9	-0.9	30.3	23.4	19.8	23.2	57	+ 1	7.2	+0.2	6.8	0	2	21	00	0	0	0	1	10	11	1	8	0
	2330	278	1006.7	975.6	..	25.7	22.4	20.7	24.4	75	..	6.3	..	4.5	0	0	25	00	0	0	0	0	6	18	1	6	0
COIMBATORE (PILAMEDU)	0530	399	1006.0	961.3	..	22.2	21.9	21.8	26.3	98	..	5.0	..	17.4	0	11	18	00	0	0	0	10	18	1	0	2	0
	0830	399	1007.1	962.6	-0.7	24.1	23.1	22.7	27.4	92	+11	5.3	-0.3	19.7	0	13	18	00	0	0	0	9	20	2	0	0	0
	1130	399	1006.2	962.3	..	27.7	25.4	24.4	30.4	83	..	5.5	..	27.7	0	26	4	00	0	0	0	12	15	3	0	1	0
	1430	399	1004.3	960.5	..	28.9	26.1	24.9	31.5	80	..	5.7	..	32.1	0	31	0	00	0	0	0	9	17	5	0	0	0
	1730	399	1004.3	960.3	-0.4	26.3	24.8	24.1	30.0	88	+20	6.2	-0.4	32.4	0	29	2	00	0	0	0	8	18	5	0	0	0
	2030	399	1006.7	962.1	..	23.5	23.1	23.0	27.9	97	..	5.0	..	22.1	0	22	9	00	0	0	0	11	19	1	0	0	0
	2330	399	1007.6	962.9	..	22.9	22.5	22.3	26.9	97	..	4.6	..	20.8	0	17	14	00	0	0	0	11	18	2	0	0	0
COIMBATORE	0830	409	1006.8	961.4	-0.8	24.3	21.8	20.4	24.1	80	+ 3	5.9	-0.6	17.1	0	8	23	00	0	0	0	1	28	2	0	0	0
NAGAPATTINAM	0830	9	1006.4	1005.3	-0.9	28.9	23.7	21.1	25.0	63	- 2	6.5	+0.7	12.6	0	8	23	00	0	0	0	1	5	25	0	0	0
	1730	9	1003.0	1002.0	-0.7	31.9	25.5	22.4	27.4	59	- 4	6.5	+0.6	19.7	0	15	15	00	0	0	8	7	12	2	1	1	0
TIRUCHCHIRAPPALLI	0230	88	1004.4	994.6	..	27.1	22.2	19.5	22.7	64	..	5.2	..	25.3	0	22	7	00	0	0	0	0	0	26	3	2	0
	0530	88	1004.5	994.6	..	26.6	22.2	19.7	23.2	67	..	5.8	..	24.4	0	21	10	00	0	0	0	1	0	28	2	0	0
	0830	88	1005.8	995.9	-1.3	28.8	23.0	19.9	23.4	59	- 2	6.0	-0.1	32.6	0	29	2	00	0	0	0	0	0	30	1	0	0
	1130	88	1005.0	995.3	..	33.8	23.4	17.9	20.2	40	..	5.9	..	39.0	0	30	1	00	0	0	0	2	27	2	0	0	0
	1430		1002.6	993.0	..	35.0	23.8	17.7	20.2	36	..	6.3	..	36.5	0	28	3	00	0	0	0	0	4	24	3	0	0
	1730		1002.3	992.6	-1.1	33.3	23.6	18.3	21.3	42	- 1	6.4	+0.0	34.8	0	5	26	00	0	0	1	1	4	22	3	0	0
	2030		1005.1	995.3	..	29.5	22.8	19.1	22.4	55	..	5.8	..	28.0	0	23	8	00	0	0	0	0	2	6	23	0	0
	2330		1006.0	996.1	..	27.8	22.6	19.8	23.2	63	..	5.8	..	24.9	0	22	8	00	0	0	0	0	2	26	2	1	0
VEDARANNIYAM	0830	4	1006.5	1005.9	..	29.5	24.3	22.0	26.3	66	..	5.2	..	3.3	0	0	31	00	0	0	0	5	23	1	2	0	0
	1730	4	1003.5	1003.0	..	30.5	25.8	23.7	29.3	68	..	5.3	..	4.1	0	0	31	00	0	0	1	11	19	0	0	0	0
ATIRAMPATTINAM	0830	6	1006.3	1005.6	..	29.5	24.1	21.5	25.6	66	..	5.2	..	6.1	0	1	29	03	0	0	0	4	5	5	13	1	0
	1730		1003.3	1002.6	..	30.3	26.1	24.3	30.4	70	..	5.4	..	17.0	0	14	17	00	0	0	0	17	12	1	1	0	0
MADURAI	0830	133	1006.9	992.0	-0.3	28.5	23.2	20.3	24.1	62	+ 6	5.4	-0.5	8.4	0	0	31	04	0	0	0	0	3	9	15	0	0
MADURAI AERODROME	0530	131	1004.9	990.1	..	26.8	21.9	19.2	22.2	63	..	5.2	..	15.9	0	11	17	03	1	0	0	0	0	14	10	3	0
	0830		1006.1	991.5	-0.9	29.4	22.9	19.4	22.7	55	- 7	6.0	+0.0	19.0	0	14	15	03	1	0	0	1	2	15	7	2	0
	1130		1005.4	991.0	..	33.0	23.5	18.4	21.1	42	..	5.9	..	25.3	0	21	10	02	1	0	1	2	4	19	2	0	0
	1730		1003.0	988.5	-0.9	31.9	23.4	18.8	21.8	47	- 5	6.9	+0.3	29.3	0	25	6	01	1	0	3	1	3	22	0	0	0
TONDI	0830	5	1006.7	1006.1	-0.8	29.4	24.5	21.9	26.6	65	- 8	3.9	-2.2	3.5	0	0	15	00	1	0	0	4	7	1	2	16	0
	1730		1003.6	1003.0	-0.8	30.3	25.9	23.9	29.7	69	- 4	4.6	-1.8	26.7	0	29	2	00	0	0	11	18	1	1	0	0	0
PAMBAN	0830	11	1006.5	1005.1	-1.3	28.7	26.3	25.2	32.2	81	+ 4	5.6	+1.6	14.3	0	8	23	00	0	0	0	5	22	4	0	0	0
	1730		1003.9	1002.5	-1.0	28.8	26.9	26.1	33.8	86	+ 7	6.2	+1.6	25.3	0	29	2	00	0	0	2	21	8	0	0	0	0
TUTICORIN	0830	4	1007.0	1006.6	-1.1	29.8	23.2	19.8	23.1	55	- 3	4.0	-0.1	19.5	0	16	15	00	0	0	0	1	2	27	1	0	0
	1730		1004.0	1003.6	-1.1	32.6	23.6	18.8	21.7	45	- 8	5.0	+1.1	26.3	0	22	8	00	0	0	0	0	0	30	0	0	0
PALAYANKOTTAI	0830	51	1007.8	1002.1	+0.0	29.9	24.1	21.2	25.3	60	+ 1	6.0	+0.4	16.8	0	18	13	03	0	0	0	0	2	24	2	0	0
	1730	51	1004.5	998.9	-0.5	31.1	23.7	19.9	23.2	52	- 1	6.4	+0.1	22.2	0	23	8	00	0	0	0	0	0	31	0	0	0
KANNIYAKUMARI	0830	37	1007.8	1003.7	..	26.3	23.7	22.7	27.3	79	..	6.7	..	16.2	0	16	15	00	0	0	0	1	1	27	2	0	0
	1730		1005.6	1001.5	..	26.9	24.1	22.8	27.7	79	..	6.6	..	17.4	0	12	19	00	0	0	0	0	9	21	1	0	0
PONDICHERRY	0830		(R)																								
	1730		(R)																								
COASTAL MYSORE																											
KARWAR	0830	4	1006.6	1006.1	-0.8	26.2	25.0	24.5	30.7	91	+ 3	7.9	+0.3	8.7	0	1	29	01	1	1	10	0	3	3	5	1	6
	1730		1004.9	1004.4	-1.1	27.1	25.4	24.6	31.1	87	+ 1	8.0	+0.5	11.4	0	7	24	00	5	1	2	0	2	2	6	0	13
HONAVAR	0830	26	1006.8	1003.8	-1.3	24.9	24.0	23.7	28.9	93	+ 1	7.7	+0.5	6.0	0	0	29	03	1	8	0	9	0	8	0	2	0
	1730		1005.6	1002.6	-0.9	26.0	24.7	24.2	30.0	89	- 1	7.5	+0.4	7.4	0	0	31	02	1	1	0	11	0	12	4	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JULY ,1967ASADHA 10 – SRAVANA 9,1 889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gms. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL MYSORE (CONTD.)																											
MANGALORE (BAJPE)	0230	102	1006.3	994.7	..	24.0	23.5	23.3	28.6	96	..	7.5	..	9.2	0	4	17	00	0	2	4	2	5	6	2	10	0
	0530		1006.2	994.7	..	23.5	23.1	22.9	27.9	96	..	7.7	..	9.6	0	3	17	00	0	3	2	0	5	8	2	11	0
	0830		1007.5	996.0	-0.9	24.3	23.7	23.4	28.8	95	+ 2	7.5	+0.1	9.4	0	3	17	00	1	4	4	1	3	7	0	11	0
	1130		1007.7	996.2	..	25.9	24.5	23.9	29.7	89	..	7.5	..	13.5	0	6	21	00	0	0	1	3	0	12	4	4	0
	1430		1006.1	994.7	..	26.8	24.9	24.0	30.0	85	..	7.6	..	19.1	0	13	17	00	0	1	0	2	9	15	5	1	0
	1730		1005.7	994.3	-0.9	25.8	24.6	24.1	30.0	90	+ 1	7.5	+0.3	15.7	0	[illegible]	22	01	0	0	0	1	7	17	4	1	0
	2030		1007.3	995.8	..	24.6	23.9	23.6	29.3	94	..	7.6	..	13.3	0	5	23	02	2	2	0	2	6	11	3	3	0
	2330		1008.1	996.6	..	24.1	23.6	23.3	28.6	95	..	7.4	..	10.6	0	3	21	01	4	3	2	1	6	5	1	7	0
MANGALORE	0830	22	1007.6	1005.1	-1.1	24.8	23.8	23.4	28.6	91	+ 0	7.9	+0.4	4.2	0	0	31	01	2	8	5	1	6	7	1	5	0
	1730		1005.9	1003.4	-1.0	26.8	24.9	24.1	30.0	85	- 3	7.9	+0.4	5.9	0	0	31	02	0	1	5	1	11	6	2	0	3
INTERIOR MYSORE, NORTH																											
BIDAR	0830	664	(R)																								
	1730		(R)																								
GULBARGA	0830	458	1003.7	952.9	-1.2	24.5	22.2	21.1	25.0	81	+ 0	7.7	+1.0	13.3	0	4	27	00	0	0	0	0	5	23	3	0	0
	1730		999.8	950.0	-0.7	29.0	23.6	21.1	25.2	67	+ 5	7.7	+0.6	13.7	0	9	22	01	1	0	0	2	4	21	2	0	0
BIJAPUR	0830	594	1004.3	938.9	-0.7	23.4	21.7	20.9	24.7	86	+ 6	7.5	+1.2	12.9	0	5	26	00	0	0	0	0	9	18	4	0	0
	1730		1000.3	935.7	-1.3	27.6	22.8	20.6	24.3	67	+ 5	7.5	+1.2	11.7	0	1	30	00	0	0	0	0	8	17	6	0	0
RAICHUR	0830	400	1004.4	960.1	-1.0	25.5	22.7	21.3	25.3	78	+ 0	6.6	+1.0	13.2	0	3	27	00	0	0	[illegible]	0	26	0	5	0	0
	1730		1000.2	956.7	-1.0	29.9	23.5	20.4	23.7	58	- 1	7.1	+0.6	13.7	0	5	26	00	1	0	1	0	23	1	5	0	0
BELGAUM	0830	753	1006.1	923.5	-0.3	21.7	21.1	20.8	24.6	95	+ 5	7.9	+0.9	5.0	0	0	30	00	0	0	0	0	0	29	1	1	0
	1730		1003.2	921.2	-1.2	23.0	21.6	20.9	24.7	85	- 7	8.0	+0.9	5.3	0	0	31	00	0	0	0	0	1	29	1	0	0
BELGAUM (SAMRA)	0530	747	1004.3	922.1	..	21.0	20.2	19.9	23.1	93	..	7.5	..	9.8	0	4	23	00	0	0	0	0	4	20	3	4	0
	0830		1005.4	923.4	-0.7	21.9	20.8	20.3	23.8	91	+ 0	7.4	+0.0	15.1	0	8	23	00	0	0	0	0	5	23	3	0	0
	1130		1005.2	923.7	..	23.5	21.5	20.5	24.1	84	..	7.7	..	18.6	0	14	17	00	0	0	0	0	6	21	4	0	0
	1430		1003.6	922.4	..	24.2	21.7	20.5	24.1	80	..	7.5	..	21.2	0	21	10	00	0	0	0	0	4	25	[illegible]	0	[illegible]
	1730		1003.1	921.7	-1.1	23.3	21.3	20.2	23.8	83	- 4	7.4	+0.[illegible]	21.0	0	20	11	00	0	0	[illegible]	0	2	25	5	0	0
	2030		1005.1	923.1	..	21.7	20.7	20.2	23.7	91	..	7.4	..	15.3	0	7	24	00	0	0	0	0	5	24	2	0	0
GADAG	0530	650	1004.5	932.7	..	21.3	20.9	20.6	24.4	96	..	6.5	..	12.1	0	4	24	00	0	0	0	0	10	20	0	1	1
	0830		1005.5	934.0	-0.8	22.8	21.7	21.3	25.0	93	+ 9	7.1	+0.0	10.6	0	2	29	00	0	0	0	0	12	19	0	0	0
	1130		1004.9	934.0	..	25.7	22.9	21.6	25.8	79	..	7.4	..	16.2	0	11	20	00	0	0	0	0	8	21	2	0	0
	1430		1003.0	932.4	..	26.5	23.1	21.5	25.3	75	..	7.6	..	16.4	0	9	21	00	0	0	0	0	6	21	1	1	0
	1730		1002.7	931.9	-0.8	25.2	22.6	21.4	25.5	74	+ 1	7.7	+0.5	13.7	0	3	28	00	0	0	0	0	13	18	0	0	0
	2030		1005.1	933.6	..	22.8	21.9	21.4	25.5	93	..	6.0	..	12.7	0	3	28	00	0	0	0	0	15	17	1	0	[illegible]
	2330		1006.1	934.3	..	21.9	21.4	21.1	25.0	95	..	6.3	..	14.5	0	4	27	00	0	0	0	0	14	17	0	0	0
INTERIOR MYSORE, SOUTH																											
BELLARY	0830	449	1005.8	955.9	-0.1	25.3	23.3	22.3	27.9	83	+12	6.6	+0.2	10.2	0	2	28	00	0	0	0	0	4	12	14	1	0
	1730		1000.9	951.9	-1.1	28.6	24.6	22.8	27.6	72	+13	6.6	+0.1	12.3	0	8	22	00	0	0	0	0	4	11	15	1	
CHITRADURGA	0830	733	1005.7	925.2	-1.3	21.8	20.5	19.8	23.2	89	+ 6	7.1	-0.2	12.6	0	1	30	00	0	0	0	0	20	11	0		0
	1730		1003.0	923.4	-0.9	24.6	22.1	20.7	24.7	79	+10	6.9	-0.2	14.4	0	6	25	00	0	0	0	0	10	12	[illegible]	[illegible]	[illegible]
SHIMOGA	0830	571	1006.3	943.1	-1.1	22.7	21.3	20.4	24.3	88	+ 0	7.6	+0.3	2.5	0	0	25	00	0	0	0	[illegible]	1	26	1	3	
	1730		1004.0	941.2	-1.1	24.2	21.7	20.3	24.1	79	- 2	7.7	+0.6	2.7	0	0	30	00	0	0	0	1	5	25	0	1	0
AGUMBE	0830		..	..	..	21.2	20.5	20.1	23.5	93	..	.	..	5.9	0	0	25	00	0	0	0	0	24	1	0	6	0
BALEHONNUR	0830	890	..	..	..	20.3	19.8	19.5	22.7	95	+ 0	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HASSAN	0830	960	1473.3	902.4	-1.0	20.0	19.2	18.8	21.7	93	+ 5	7.3	+0.0	7.1	0	0	31	00	0	0	0	0	4	27	0	0	0
	1730		1462.0	900.8	-0.9	22.2	20.0	18.9	21.8	82	+ 1	7.3	+0.1	7.3	0	0	31	00	0	0	0	0	9	20	2	0	0
BANGALORE	0230	921	1473.2	906.6	..	19.9	19.1	18.7	21.6	92	..	6.5	..	10.6	0	1	28	00	0	0	0	0	11	19	0	2	0
	0830		1480.4	907.1	-0.1	20.8	29.6	18.9	22.0	89	+ 3	7.0	-0.6	9.9	0	0	31	00	0	0	0	0	13	17	1	[illegible]	0
	1130	921	1486.6	907.2	..	24.1	20.7	19.0	22.1	74	..	7.1	..	15.0	0	12	19	00	0	0	0	0	9	21	1	0	0
	1430		1478.0	905.9	..	24.1	21.1	18.5	21.3	64	..	7.3	..	14.8	0	10	20	00	0	0	0	0	7	21	2	1	0
	1730		1468.6	905.3	+0.5	24.3	20.8	19.0	22.1	74	+ 6	7.3	-0.1	11.4	0	6	24	00	0	0	0	0	8	20	2	1	0
	2030		1479.5	906.9	..	21.7	20.0	19.1	22.1	86	..	6.0	..	10.3	0	3	28	00	0	0	0	0	9	22	0	0	0
BANGALORE AERODROME	0530	897	1455.6	907.4	..	19.6	18.9	18.5	21.3	93	..	7.2	..	19.5	0	16	15	00	0	0	0	0	5	26	0	0	0
	0830		1470.3	908.6	-1.1	21.2	19.7	18.6	21.8	87	+ 3	7.1	+0.1	23.6	0	22	9	00	0	0	0	0	7	23	1	0	0
	1130		1475.3	908.5	..	24.4	20.7	19.8	21.6	72	..	7.1	..	28.0	0	27	4	00	0	0	0	0	6	23	2	0	0
	1730		1455.7	906.4	-0.9	24.1	21.0	19.4	22.7	76	+10	7.3	+0.4	24.0	0	19	12	00	0	0	0	0	10	18	3	0	0
	2330		1472.6	909.1	..	20.6	19.4	18.9	21.7	89	..	6.3	..	21.7	0	21	10	01	0	0	0	0	10	20	0	0	0
MYSORE	0830	767	1007.7	923.4	-0.6	21.4	19.7	18.9	21.7	86	+ 2	[illegible]	-2.0	13.0	0	4	27	03	1	2	3	9	5	3	2	0	0
	1730		1004.9	921.4	-0.8	23.7	20.5	18.8	21.7	75	+ 5	5.7	-1.1	20.5	0	17	14	01	0	0	0	7	10	11	2	0	0
KERALA																											
CALICUT	0530	5	1007.6	1007.0	..	23.6	23.2	23.0	26.1	96	..	7.5	..	1.3	0	0	12	01	1	7	0	1	0	2	0	19	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JULY 1967 (ASADHA 10 - SRAVANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or ht. in gpm. of mean standard isobaric level	Mean pressure in mb. At station level	Mean pressure in mb. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 0 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KERALA (CONTD.)																											
CALICUT	0830		1008.9	1008.3	-0.6	24.3	23.8	23.6	28.9	95	+ 3	7.1	-0.1	2.7	0	0	14	00	1	5	0	0	2	3	3	17	0
	1130		1009.1	1008.5	..	26.3	24.9	24.3	30.4	86	..	7.3	..	3.5	0	0	26	00	2	1	0	4	6	9	4	5	0
	1430		1007.9	1007.3	..	26.5	25.0	24.6	30.4	89	..	7.6	..	4.4	0	0	28	01	0	0	0	3	4	13	7	3	0
	1730		1007.1	1006.5	-0.5	26.0	24.5	23.8	29.7	86	- 3	7.7	+0.5	4.5	0	0	28	00	0	1	0	0	4	18	5	3	0
	2330		1009.6	1009.0	..	24.3	23.5	23.1	28.3	93	..	7.8	..	3.5	0	0	21	01	5	5	0	1	1	5	3	10	0
PALGHAT	0830	97	1008.6	997.5	-0.8	24.2	23.2	22.8	27.6	91	- 1	7.3	+0.1	9.0	0	0	31	00	0	0	0	0	0	31	0	0	0
	1730		1006.3	995.2	-0.7	25.8	23.8	22.9	27.9	84	- 1	7.7	+0.5	8.7	0	0	31	00	0	0	0	0	0	31	0	0	0
FORT COCHIN	0830	3	1008.7	1008.4	-1.3	25.7	24.3	23.6	29.3	89	+ 0	7.3	+0.1	5.2	0	0	25	02	5	6	2	1	1	1	5	3	6	0
	1730		1007.2	1006.9	-0.7	26.3	24.4	23.9	28.9	87	+ 0	7.5	+0.3	6.1	0	0	29	02	2	0	0	0	8	9	8	2	0
COCHIN(NAVAL AIR STATION)	0230	3	1008.2	1007.9	..	23.9	23.4	23.1	28.3	95	..	7.3	..	1.9	0	1	6	01	1	1	0	0	0	1	3	24	0
	0530		1007.9	1007.7	..	23.6	23.2	22.9	28.1	96	..	7.4	..	1.4	0	0	7	02	1	1	1	1	0	0	1	24	0
	0830		1009.1	1008.8	..	24.9	23.9	23.3	28.9	91	..	7.0	..	4.7	0	0	21	03	3	6	2	1	1	3	2	10	0
	1130		1009.3	1009.0	..	26.8	24.7	23.8	29.3	84	..	7.1	..	7.9	0	1	23	04	0	2	0	0	5	3	10	7	0
	1730		1007.3	1007.0	..	26.6	24.6	23.7	29.3	84	..	7.2	..	9.5	0	0	24	01	1	1	0	0	4	8	9	7	0
	2330		1009.4	1009.1	..	24.7	24.0	23.6	29.3	94	..	7.3	..	3.4	0	1	9	02	1	2	0	0	1	0	4	21	0
ALLEPPEY	0830	4	1008.9	1008.5	-0.9	25.3	24.3	23.9	29.5	92	+ 1	6.7	-0.3	8.0	0	1	30	02	13	8	2	0	1	1	4	0	0
	1730		1007.0	1006.6	-0.7	26.5	24.9	24.1	30.2	85	+ 0	6.6	-0.3	18.0	0	14	17	01	1	0	0	0	0	6	23	0	0
PUNALUR	0830	34	1009.1	1005.2	-0.6	25.1	23.9	23.3	28.8	89	- 5	7.6	+1.3	1.0	0	0	5	01	1	0	0	0	0	1	2	26	0
	1730		1006.8	1003.0	-0.7	27.6	24.5	23.0	28.3	77	- 1	7.6	+1.1	5.3	0	0	23	01	1	1	0	0	4	10	6	8	0
TRIVANDRUM	0230	64	1007.7	1000.4	..	23.8	23.1	22.7	27.6	93	..	6.2	..	4.6	0	1	16	04	2	0	0	0	0	2	9	14	0
	0530		1007.7	1000.4	..	23.5	22.9	22.6	27.4	95	..	6.3	..	4.2	0	0	22	02	4	0	0	0	0	4	12	9	0
	0830		1009.0	1001.6	-1.0	24.8	23.7	23.1	28.3	90	+ 1	6.8	+0.1	6.6	0	0	30	12	2	0	0	0	0	0	16	1	0
	1130		1008.8	1001.5	..	27.7	24.7	23.3	28.6	77	..	6.5	..	15.9	0	8	23	04	0	0	0	0	0	4	23	0	0
	1430		1007.0	999.8	..	28.0	24.7	23.2	28.3	76	..	6.6	..	13.5	0	7	24	03	1	0	0	0	0	9	18	0	0
	1730		1006.9	999.6	-0.8	27.0	24.4	23.2	28.4	80	- 1	6.9	+0.2	12.2	0	5	25	02	0	0	0	0	0	7	21	1	0
	2030		1008.8	1001.5	..	25.0	23.8	23.2	28.4	90	..	6.3	..	7.7	0	0	30	02	0	0	0	0	0	2	26	1	0
	2330		1009.4	1002.0	..	24.5	23.9	23.1	29.1	92	..	6.0	..	7.4	0	1	29	09	2	0	0	0	0	2	17	1	0
TRIVANDRUM AERODROME	0830	8	1009.2	1008.3	-0.6	25.6	23.9	23.1	28.3	86	+ 0	7.4	+1.4	20.1	0	17	13	22	1	0	0	0	0	0	7	1	0
ARABIAN SEA ISLANDS																											
AMINI	0530	4	1005.7	1005.3	..	27.5	25.5	24.7	30.9	85	..	7.0	..	41.9	0	29	2	00	0	0	0	0	7	22	2	0	0
	0830	4	1007.1	1006.7	-1.7	27.6	25.6	24.7	31.1	84	- 1	6.9	+0.5	39.3	0	29	2	00	0	0	0	0	7	21	3	0	0
	1130	4	1007.5	1007.1	..	28.3	25.9	24.8	31.3	82	..	7.1	..	37.0	0	30	1	00	0	0	0	0	7	22	2	0	0
	1730	4	1005.5	1005.1	..	28.1	26.0	25.0	31.9	83	..	7.5	..	38.3	1	29	1	00	0	0	0	0	6	23	2	0	0
	2330	4	1007.7	1007.3	..	27.8	25.8	25.0	31.5	85	..	6.6	..	36.9	0	29	2	01	0	0	0	0	7	20	3	0	0
AGATTI	0830	4	1007.5	1007.0	..	27.6	26.0	25.3	32.2	87	..	7.3	..	30.6	0	29	2	00	0	0	0	0	7	21	3	0	0
	1730	4	1006.2	1005.7	..	28.2	26.4	25.6	33.0	86	..	6.7	..	24.3	0	24	7	00	0	0	0	0	2	25	4	0	0
ANDROTH	0830	5	1008.3	1007.8	..	..	..	..	..	..	..	7.3	..	5.0	0	0	28	00	0	0	0	0	7	8	9	3	4
	1730	5	1006.3	1005.8	..	..	..	..	..	..	..	7.6	..	4.2	0	0	30	00	0	0	0	0	1	2	21	1	6
MINICOY	0530	2	1007.5	1007.3	..	26.7	24.5	23.5	28.9	83	..	6.2	..	13.5	0	10	14	00	0	0	0	0	0	22	2	7	0
	0830	2	1008.9	1008.7	-1.1	27.7	25.3	24.2	30.2	81	+ 0	6.4	+0.4	12.9	0	6	23	00	0	0	0	0	0	24	5	2	0
	1130	2	1009.3	1009.1	..	28.6	25.5	24.1	30.0	77	..	6.4	..	14.1	0	8	22	00	0	0	0	0	2	23	5	1	0
	1430	2	1007.8	1007.6	..	28.9	25.7	24.3	30.4	77	..	6.3	..	16.3	0	10	19	00	0	0	0	0	3	21	5	2	0
	1730	2	1007.2	1007.0	-0.8	28.3	25.3	23.9	29.7	77	- 3	6.2	-0.7	14.1	0	7	23	00	0	0	0	0	2	19	9	1	0
	2030	2	1008.6	1008.4	..	27.4	24.9	23.8	29.3	81	..	5.6	..	15.6	0	10	18	00	0	0	0	0	1	23	4	3	0
	2330	2	1009.5	1009.3	..	27.2	24.8	23.7	29.3	81	..	5.8	..	17.2	0	13	15	00	0	0	0	0	5	18	5	3	0
HILL STATIONS(EXCLUDING KASHMIR)																											
DALHOUSIE	0830	1959	1368.2	793.8	-1.3	19.3	17.8	16.9	19.2	87	+ 1	7.4	+3.1	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1959	1352.7	793.2	-1.4	21.5	19.2	17.9	20.5	81	- 4	7.6	+2.8	..	.	..	..	..	..	..	..	..	..	..	..	..	..
DHARMASALA	0830	1211	1462.2	875.2	-1.4	23.1	21.4	20.5	24.1	86	+ 6	6.8	+1.1	1.6	0	0	20	01	5	1	1	2	6	3	1	11	0
	1730	1211	1444.2	873.2	-1.9	25.1	22.8	21.2	25.2	80	+ 4	6.5	+1.0	2.1	0	0	24	03	3	3	2	2	5	5	1	7	0
BHUNTAR	0830	1096	1422.6	882.7	..	22.6	21.1	20.4	24.0	88	..	6.3	..	2.1	0	0	18	04	0	3	10	0	0	0	1	13	0
	1130	1096	1419.4	881.9	..	27.3	22.7	20.5	24.1	67	..	5.4	..	9.2	0	1	28	02	0	2	10	14	0	0	1	2	0
	1730	1096	1394.7	879.3	..	28.3	22.6	19.9	23.2	62	..	5.3	..	16.5	0	14	17	01	0	3	14	11	1	0	1	0	0
SIMLA	0830	2202	1427.0	777.1	+0.3	16.9	16.1	15.5	17.6	91	+ 5	7.1	+0.7	1.6	0	0	24	00	1	1	11	2	7	1	1	7	0
	1730	2202	1401.6	775.0	-0.7	19.0	18.0	17.4	19.9	89	+ 1	7.3	+0.6	1.9	0	0	29	04	2	0	6	1	7	1	8	2	0
GHANGARIA (KANJALIA TOK)	0830		..	..	..	12.1	11.6	11.3	13.4	95	+ 1	6.7	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BADRINATH	0830		(R)																								
JOSHIMATH	0830		..	..	..	19.6	18.6	18.0	20.6	91	+ 2	6.0	-0.2	5.1	0	0	31	01	2	7	2	0	4	11	4	0	0
	1730		..	..	..	22.5	19.1	17.5	20.0	74	- 1	6.5	-0.5	5.9	0	0	31	00	1	2	0	0	10	11	7	0	0
MUSSOORIE	0830	2042	1423.4	791.4	-1.4	18.0	17.3	16.9	19.3	94	+ 1	7.6	+1.0	1.4	0	0	14	02	2	0	3	5	2	0	0	17	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JULY ,1967ASADHA 10 - SRAVANA 9,1 889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gms. of current standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 52 or more	20 to 51	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HILL STATIONS(EXCLUDING KASHMIR)																											
MUSSOORIE	1730	2042	1405.8	789.9	-1.5	18.6	18.3	18.0	20.6	96	+ 1	7.8	+0.9	1.5	0	0	19	01	1	0	5	9	5	0	0	12	0
MUKTESWAR(KUMAON)	0830	2311	3095.0	768.3	+0.5	16.6	16.1	15.8	17.9	95	+ 3	7.2	+0.5	10.4	0	5	22	00	3	5	4	0	1	11	3	4	0
	1730	2311	3083.5	766.7	+0.4	18.5	17.4	16.9	19.3	87	- 3	6.9	+1.1	10.9	0	7	18	01	1	1	1	2	16	3	0	6	0
NAINITAL	0830	1953	1426.0	799.9	+0.3	18.7	17.2	16.5	18.8	87	+ 1	6.4	-0.5	10.6	0	2	28	02	4	10	8	0	0	3	3	1	0
NAINITAL	1730	1953	1398.1	797.6	-0.4	19.5	17.7	16.8	19.1	85	- 2	5.3	-1.6	8.4	0	1	30	06	0	7	6	4	3	5	0	0	0
KALIMPONG	0830	1209	1449.7	873.9	+0.3	24.1	22.2	21.3	25.3	85	- 2	6.2	+0.3	4.0	0	0	31	01	1	0	17	0	0	0	12	0	0
	1730	1209	1414.1	870.4	-0.9	24.6	22.7	21.9	26.3	85	- 7	6.2	+0.7	4.1	0	0	31	00	0	0	29	0	1	0	1	0	0
DARJEELING	0830	2128	1456.8	786.7	-0.8	17.9	17.3	17.1	19.5	95	+ 4	7.7	+0.3	1.4	0	0	7	02	1	0	0	0	4	0	0	24	0
	1730	2128	1440.0	785.1	-0.7	17.9	17.5	17.4	19.9	96	+ 2	7.5	+0.0	1.3	0	0	8	01	0	0	0	0	5	2	0	23	0
KOHIMA	0830	1406	(R)																								
	1730	1406	(R)																								
SHILLONG(C.S.O.)	0830	1598	1444.1	835.3	+1.5	20.7	19.1	18.3	21.0	86	+ 7	6.7	-1.2	4.2	0	0	23	01	0	3	2	4	4	6	3	8	0
	1730	1598	1422.5	833.3	+1.9	20.6	19.3	18.7	21.6	87	+ 8	6.7	-0.5	2.9	0	0	19	00	2	2	3	2	5	2	2	12	1
CHERRAPUNJI	0830	1313	1449.0	863.6	+0.2	20.4	19.6	19.2	22.2	94	+ 1	6.2	-0.9	6.7	0	0	31	00	13	0	2	0	16	0	0	0	0
	1730	1313	1438.2	862.5	+1.3	20.5	19.8	19.4	22.5	94	+ 0	5.1	-1.4	7.9	0	0	31	00	7	0	2	0	21	0	1	0	0
ABU	0830	1195	1423.1	872.9	-0.2	20.8	20.2	20.0	23.4	95	+ 5	7.3	+0.5	2.4	0	0	15	00	0	2	0	6	7	0	0	16	0
	1730	1195	1404.7	870.8	-1.2	23.1	21.1	20.0	23.4	84	- 7	6.6	+0.1	3.2	0	0	16	00	0	1	1	6	7	0	1	15	0
AIJAL	0830		(R)																								
	1730		(R)																								
PACHMARHI	0830	1075	1430.5	885.8	-0.5	21.5	20.5	20.1	23.4	92	+ 1	7.5	-0.1	5.2	0	0	31	01	1	0	1	1	3	11	13	0	0
	1730	1075	1413.1	883.7	-0.6	24.3	21.7	20.5	24.1	80	- 7	6.8	-0.6	3.9	0	0	29	00	1	0	0	0	7	10	11	2	0
MAHABALESHWAR	0830	1382	1447.0	856.6	-1.5	17.7	17.7	17.7	20.2	100	+ 5	8.0	+0.0	18.9	0	17	14	00	0	0	0	0	31	0	0	0	0
	1730	1382	1438.0	855.8	-1.0	18.1	18.1	18.1	20.8	100	+ 0	8.0	+0.7	16.6	0	14	17	00	0	0	0	0	31	0	0	0	0
MERCARA	0830	1152	1476.0	882.9	-0.7	18.3	18.1	17.9	20.6	98	+ 1	.	..	15.7	0	8	23	02	0	0	0	0	0	18	0	0	11
	1730		1462.4	881.6	-0.6	18.7	18.4	18.3	21.0	97	- 1	.	..	19.2	0	12	19	00	0	0	0	0	2	15	0	0	14
OOTACAMUND	0830	2249	1487.7	777.6	+0.0	12.8	12.3	11.8	13.7	92	+ 1	6.1	-0.4	7.7	0	2	28	00	0	0	0	0	27	3	0	1	0
	1730		1462.2	775.5	-1.0	13.9	13.1	12.6	14.4	92	+ 3	6.8	-0.3	7.2	0	3	22	00	0	0	0	0	17	8	0	6	0
COONOOR	0830	1747	..	..	..	18.7	15.4	13.4	15.3	71	+ 0	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KODAIKANAL	0830	2343	3124.2	768.8	-0.7	14.0	12.3	11.1	13.2	83	+ 2	6.3	+0.1	13.2	0	7	20	00	0	0	0	1	0	8	18	4	0
	1130		3136.3	769.2	..	16.3	14.0	12.5	14.5	78	..	7.0	..	5.0	0	7	23	00	0	0	0	1	0	5	24	1	0
	1730		3112.3	767.7	-0.6	14.1	12.9	12.1	14.1	89	+ 0	7.4	+0.0	14.1	0	9	21	01	0	0	0	1	0	8	20	1	0
NEPAL																											
KATMANDU	0830	1324	1433.0	860.9	-1.4	22.7	20.9	19.9	23.3	85	+ 3	6.1	-0.5	0.2	0	0	1	00	0	1	0	0	0	0	0	30	0
	1130		1429.7	860.4	..	25.6	21.8	19.9	23.2	71	..	5.9	..	0.7	0	0	6	00	1	3	2	0	0	0	0	25	0
	1730		1407.6	858.3	-1.6	24.3	22.0	20.9	24.7	82	+ 1	6.5	-0.2	1.2	0	0	8	02	0	0	2	2	0	0	2	23	0
SIKKIM																											
LACHEN	0830		(R)																								
HYDROMETEOROLOGICAL OBSERVATORIES																											
DAMODAR CATCHMENT																											
TILAIYA	0830		..	..	..	28.3	25.2	23.9	29.7	77	..	6.3	..	10.6	0	2	29	02	1	12	4	2	0	9	1	0	0
	1730		..	..	..	29.2	25.4	23.7	29.3	73	..	7.0	..	8.9	0	0	30	02	0	15	3	1	0	9	0	1	0
HAZARIBAGH	0830	615	998.7	932.0	..	26.4	25.1	24.7	31.1	90	..	6.2	..	10.6	0	6	21	00	2	10	3	0	3	5	4	4	0
	1730	615	996.1	929.6	..	27.1	25.5	25.0	31.7	89	..	6.7	..	6.5	0	1	24	00	0	10	4	0	4	1	6	6	0
KONAR	0830		..	..	..	27.6	22.8	20.2	23.7	65	..	3.8	..	4.6	0	0	31	00	10	1	12	0	3	2	3	0	0
	1730		..	..	..	29.8	24.1	21.3	25.3	61	..	3.1	..	4.0	0	0	31	00	4	11	4	0	2	4	6	0	0
BOKARO	0830	242	998.3	971.8	..	29.2	26.5	25.4	32.4	80	..	4.2	..	5.1	0	0	27	01	1	8	9	0	4	3	1	4	0
	1730	242	996.3	969.8	..	29.5	26.5	25.4	32.4	79	..	4.3	..	5.3	0	0	27	00	2	11	7	1	3	1	2	4	0
MAITHON	0830		..	..	..	29.7	26.7	25.4	32.4	78	..	6.1	..	3.0	0	0	28	01	0	0	13	5	6	0	3	3	0
	1730		..	..	..	29.3	26.4	25.1	31.9	79	..	5.8	..	4.1	0	0	31	00	0	0	25	1	3	0	2	0	0
RANGARH	0830		..	..	..	28.4	25.2	23.7	29.3	77	..	5.5	..	8.8	0	3	27	02	2	7	9	1	3	5	0	1	1
	1730		..	..	..	29.2	25.3	23.4	28.8	73	..	5.6	..	8.3	0	2	29	02	0	4	13	0	2	9	1	0	0
PANCHET HILLS	0830		..	..	..	28.6	26.7	25.9	33.4	85	..	6.0	..	3.5	0	0	28	00	9	0	7	0	11	0	1	3	0
	1730		..	..	..	29.1	26.7	25.7	33.0	83	..	6.8	..	3.2	0	0	29	00	8	0	13	0	5	0	3	2	0
DURGAPUR	0830		..	..	..	28.9	26.4	25.5	32.6	82	..	7.1	..	6.6	0	2	28	00	1	8	3	11	5	0	2	1	0
	1730		..	..	..	29.3	26.4	25.1	31.9	78	..	6.8	..	6.9	0	1	28	02	2	5	7	10	2	0	1	2	0
MAHANADI CATCHMENT																											
GINABAHAR	0830		..	..	..	26.8	24.7	23.9	29.7	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	1000.2	982.6	..	28.0	25.8	24.9	31.5	83	..	6.1	..	4.5	0	0	24	01	1	1	3	1	8	8	1	7	0
	1130	159	999.6	982.0	..	30.0	26.6	25.2	32.1	76	..	5.8	..	5.6	0	0	27	01	0	2	0	4	6	11	3	4	0
	1730	159	997.0	[illegible]	..	29.6	26.2	24.8	31.5	77	..	6.2	..	3.2	0	0	17	00	0	1	2	4	0	6	4	14	0
BHIMKUND	0830		..	..	..	27.1	25.0	24.1	30.0	84	..	6.6	..	1.0	0	0	9	00	0	0	3	0	2	0	4	22	0

TABLE III – SUMMARY OF OBSERVATIONS AT FIXED HOURS – JULY 1967 (ASADHA 10 – SRAVANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or St. in pgm. of normal standard isobaric level	Mean pressure in mb. At station level	Mean pressure in mb. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Cloud amount (Oktas) 2 or more	2 to 6½	1 to 1½	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HYDROMETEOROLOGICAL OBSERVATORIES																											
MAHANADI CATCHMENT (CONTD)																											
BHIMKUND	1730		..	..	..	28.3	25.4	24.1	30.0	79	..	7.0	..	1.5	0	0	13	00	0	0	4	2	4	0	3	18	0
SONEPUR	0830		..	..	..	28.3	25.8	24.7	30.1	81	..	.	..	6.2	0	0	31	00	0	8	0	0	0	23	0	0	0
KHIJRAWAN	0830		..	..	..	26.4	23.8	22.5	27.4	79	..	6.3	..	11.3	0	6	23	00	0	1	0	2	13	9	4	2	0
	1730		..	..	..	27.3	24.0	22.4	27.3	76	..	6.8	..	9.9	0	1	30	00	2	3	2	1	13	9	1	0	0
NARMADA CATCHMENT																											
BAGRA TAWA	0830		..	..	..	26.4	23.9	22.7	27.6	81	..	6.9	..	14.0	0	4	27	00	2	1	1	2	15	10	0	0	0
	1730		..	..	..	29.7	24.6	22.1	26.6	66	..	6.9	..	11.9	0	2	27	00	0	1	2	3	15	7	1	2	0
PUNASA	0830		..	..	..	27.4	24.1	22.5	27.3	76	..	.	..	8.7	0	2	29	00	1	0	3	0	15	5	7	0	0
	1730		..	..	..	30.0	25.3	23.1	28.3	69	..	.	..	5.8	0	0	30	00	3	0	0	0	15	1	11	1	0
THIKRI	0830		..	..	..	28.2	25.0	23.5	29.1	77	..	6.0	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																											
DAROI	0830		..	..	..	26.6	25.3	24.7	31.3	89	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	30.5	26.0	24.3	30.0	71	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GANDAK CATCHMENT																											
JAMOSOM	0830		..	..	..	19.8	14.9	12.2	14.3	64	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	19.6	14.8	12.1	14.1	63	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	0830		..	..	..	24.4	22.3	21.4	25.5	83	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	26.2	23.4	22.2	26.8	79	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830		..	..	..	21.1	18.9	17.8	20.4	82	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	22.3	19.5	18.1	20.8	78	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
POKHARA	0830		..	..	..	24.3	22.7	21.9	26.3	87	..	6.1	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1130		..	..	..	26.9	23.8	22.5	27.3	77	..	5.3	..	0.2	0	0	3	00	0	0	2	1	0	0	0	28	0
	1730		..	..	..	26.4	23.4	22.1	26.7	79	..	6.1	..	0.7	0	0	6	01	0	0	2	2	0	0	0	25	1
GORKHA	0830		..	..	..	22.5	21.5	21.1	25.0	92	..	6.8	..	..	.	..	..	01	3	6	7	0	1	1	0	12	0
	1130		..	..	..	24.2	22.1	21.1	25.1	83	..	6.3	..	..	.	..	..	00	6	2	7	3	6	2	0	5	0
	1730		..	..	..	25.1	22.8	21.8	26.1	82	..	6.3	..	..	.	..	..	00	5	1	2	3	9	3	0	8	0
RUWAKOT	0830		..	..	..	23.9	22.6	22.1	26.6	90	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	25.4	22.9	21.7	26.0	81	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT (TRANS HIMALAYAN REGION)																											
DAILEKH	0830		..	..	..	22.3	21.1	20.5	24.0	89	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	23.7	22.0	21.1	25.1	86	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT																											
SALLYANA	0830		..	..	..	22.5	20.7	19.8	23.2	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	22.7	20.9	20.1	23.5	86	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BUTWAL	0830		..	..	..	28.6	26.0	24.9	31.5	81	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	30.0	26.6	25.2	32.2	76	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BAGHMATI CATCHMENT																											
KATMANDU	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
KOSI CATCHMENT																											
CHAUTARA	0830		..	..	..	21.4	20.6	20.2	23.7	93	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	23.1	21.3	20.5	24.2	86	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
WALUNGCHUNG GOLA	0830		..	..	..	14.2	12.5	11.4	13.5	84	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	12.9	12.4	12.0	14.1	94	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHOK	0830		..	..	..	22.7	20.8	19.9	23.3	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	21.8	20.5	19.8	23.1	89	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BHOJPUR	0830		..	..	..	21.0	19.7	19.0	22.0	89	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	20.4	19.6	19.2	22.2	93	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLEJUNG	0830		..	..	..	20.1	18.9	18.4	21.1	90	..	6.5	..	2.2	0	0	16	04	0	1	1	1	1	2	6	15	0
	1130		..	..	..	22.7	20.5	19.5	22.7	84	..	6.7	..	3.7	0	0	24	04	2	1	1	3	2	3	7	7	1
	1730		..	..	..	21.6	19.5	18.6	21.5	84	..	6.5	..	1.5	0	0	15	01	0	1	3	9	0	0	0	16	1
DKHALDHUNGA	0830		..	..	..	19.9	18.8	18.3	21.2	91	..	5.5	..	1.7	0	0	10	00	1	1	0	1	0	6	1	21	0
	1130		..	..	..	22.2	20.4	19.5	22.8	85	..	6.0	..	1.2	0	0	8	00	0	1	1	1	3	2	0	23	0
	1730		..	..	..	20.4	19.4	18.9	21.9	91	..	6.3	..	2.6	0	0	14	00	0	1	1	2	1	8	1	17	0
CHAINPUR	0830		..	..	..	22.5	20.9	20.1	23.6	87	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	23.5	21.4	20.4	24.0	83	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ANGBUNG	0830		..	..	..	24.5	22.2	21.1	25.1	82	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	24.2	21.9	20.8	24.7	82	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BARAHAKSHETRA	0830	146	1000.5	984.2	..	27.5	25.5	24.7	31.1	85	..	5.5	..	1.0	0	0	15	00	1	0	0	0	3	6	5	16	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JULY ,1967ASADHA 10 - SRAVANA 9,1 889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gem. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KOSI CATCHMENT (CONTD.)																											
HARAHAKSHETRA	1130		999.9	983.7	..	29.3	26.4	25.1	31.9	79	..	6.8	..	4.1	0	0	28	01	1	1	0	2	10	13	0	3	0
	1730		997.4	981.2	..	29.2	23.6	25.5	32.7	81	..	5.5	..	1.3	0	0	18	00	1	0	1	0	10	6	0	13	0
TISTA CATCHMENT																											
GANGTOK	0830	1812	1437.7	814.2	..	19.1	18.2	18.1	20.8	93	..	7.0	..	1.0	0	0	9	02	1	0	0	3	0	0	3	22	0
	1130	1812	1432.7	814.0	..	21.5	20.0	19.3	22.4	87	..	7.1	..	4.1	0	0	25	01	1	0	0	10	9	2	2	6	0
	1730	1812	1415.0	812.3	..	20.8	19.5	18.9	21.8	89	..	7.6	..	2.5	0	0	16	01	2	0	5	4	4	0	0	15	0
GEZING	0830		..	..	..	21.0	20.3	19.8	23.1	93	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	22.4	20.9	19.9	23.2	86	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

MONTHLY MEANS OF UPPER WINDS

During the month, observations of velocity and direction of upper winds were made at 55 stations in India. Out of these, at 39 stations all the observations were taken by means of pilot balloons and at 16 stations some observations were made by means of pilot balloons while the other observations by the radiowind method. In the case of Bangalore, the observations were taken by following radiosonde balloon by means of an optical theodolite. Particulars of these stations, their co-ordinates and the approximate times of the regular pilot balloon and rawin ascents at each station are given in the table overleaf. All radiowind ascents have been indicated by means of an asterisk (*) against the scheduled hours.

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

Data upto 9.0 km. above mean sea level are given under Table IV and data above 9.0 km. above mean sea level under Table V.

In Tables IV and V :

N = represents the number of observations.

S = represents the mean wind speed in metres per second irrespective of direction.

V = represents the resultant mean velocity in metres per second;

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

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

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

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS IN INDIA

S. No.	Station	Latitude ° ' N	Longitude ° ' E	Height of anemometer head a.m.s.l. in metres	Date of Opening	Approximate times of flight (IST)			
1.	Agartala	23 53	91 15	17	28th Nov. 1951	0530		1730	2330
2.	Ahmadabad	23 04	72 38	61	19th May. 1928	0530*	1130	1730*	2330
3.	Allahabad/Bamhrauli	25 27	81 44	103	28th Feb. 1930	0530		1730	2330
4.	Ambala	30 23	76 46	229	1st Apr. 1941	0530	1130	1730	2330
5.	Amini	11 07	72 44	14	15th May. 1965	0530		1730	2330
6.	Anantapur	14 41	77 37	365	12th Feb. 1946	0530		1730	2330
7.	Asansol	23 41	86 59	135	29th May. 1942	0530		1730	2330
8.	Aurangabad/Chikalthan	19 51	75 24	583	7th Oct. 1951	0530		1730	2330
9.	Bahraich	27 34	81 36	134	1st Oct. 1961	0530	1130	1730	
10.	Bangalore	12 58	77 35	936	19th May. 1915	0530●	1130	1730●	2330
11.	Bareilly	28 22	79 24	181	12th Jan. 1943	0530		1730	
12.	Begampet	17 27	78 28	543	1st Sep. 1929	0530		1730	2330
13.	Bhagalpur	25 14	86 57	61	19th May. 1950	0530		1730	
14.	Bhopal/Bairagarh	23 17	77 21	532	26th Feb. 1943	0530		1730	2330
15.	Bhubaneshwar	20 15	85 50	54	5th Dec. 1942	0530		1730	2330
16.	Bhuj/Rudramata	23 15	69 48	90	14th Sep. 1937	0530		1730	2330
17.	Bikaner	28 00	73 18	229	18th Oct. 1946	0530		1730	2330
18.	Bombay/Santa Cruz	19 07	72 51	27	14th May. 1933	0530*	1130	1730*	2330
19.	Calcutta/ Dum Dum	22 39	88 27	13	14th May. 1921	0530*	1130	1730*	2330
20.	Cochin/Willingdon +	09 56	76 14	13	16th Mar. 1942	0530		1730	2330
21.	Dehra Dun	30 19	78 03	692	1st Oct. 1958	0530		1730	
22.	Dibrugarh/Mohanbari	27 29	95 01	112	1st Jun. 1943	0530	1130	1730	2330
23.	Gadag	15 25	75 38	650	3rd May. 1943	0530		1730	2330
24.	Gangtok	27 20	88 16	1764	1st May. 1963	0530		1730	
25.	Gauhati	26 05	91 43	55	12th Mar. 1955	0530*	1130	1730*	2330
26.	Gaya	24 45	84 57	119	19th Mar. 1937	0530		1730	2330
27.	Goa/Dabolim	15 23	73 49	228	Jul. 1965	0530		1730	2330
28.	Gopalpur	19 16	84 53	24	15th Feb. 1946	0530		1730	2330
29.	Gorakhpur	26 45	83 22	83	5th Jan. 1943	0530		1730	
30.	Gwalior	26 14	78 15	208	7th May. 1938	0530	1130	1730	2330
31.	Imphal/Tulihal	24 46	93 54	782	8th Mar. 1952	0530	1130	1730	2330
32.	Jabalpur	23 10	79 57	402	30th Jul. 1928	0530		1730	2330
33.	Jagdalpur	19 05	82 02	562	25th Mar. 1948	0530		1730	2330
34.	Jaipur/Sanganer	26 49	75 48	403	6th Jun. 1953	0530		1730	2330
35.	Jamshedpur	22 49	86 11	144	23rd Jul. 1942	0530		1730	
36.	Jharsuguda	21 55	84 05	240	1st May. 1944	0530		1730	2330
37.	Jodhpur	26 18	73 01	229	15th Oct. 1934	0530*	1130	1730*	2330
38.	Lucknow/Amausi	26 45	80 53	133	20th Nov. 1950	0530*	1130	1730*	2330
39.	Madras/Minambakkam	13 00	80 11	29	8th Apr. 1926	0530*	1130	1730*	2330
40.	Mangalore/Bajpe	12 55	74 53	104	25th May. 1959	0530		1730	2330
41.	Minicoy	08 18	73 00	15	14th Apr. 1941	0530	1130	1730*	2330
42.	Nagpur/Sonegaon	21 06	79 03	316	23rd Apr. 1943	0530*	1130	1730*	2330
43.	New Delhi/Safdarjung	28 35	77 12	227	29th Oct. 1936	0530*	1130	1730*	2330
44.	Poona	18 32	73 51	593	5th Jan. 1925	0530		1730	2330
45.	Port Blair	11 40	92 43	95	29th Oct. 1945	0530*	1130	1730*	2330
46.	Raipur	21 14	81 39	308	15th Jul. 1944	0530		1730	2330
47.	Raxaul	26 59	84 51	83	28th Oct. 1957	0530		1730	
48.	Srinagar	34 05	74 48	1595	1st Aug. 1962	0530*		1730*	
49.	Tiruchchirappalli	10 46	78 43	96	22nd Jun. 1936	0530		1730	2330
50.	Trivandrum	08 29	76 57	73	8th Dec. 1928	0530*	1130	1730*	2330
51.	Udaipur	24 35	73 42	587	24th Jun. 1947	0530		1730	2330
52.	Vengurla	15 52	73 38	8	22nd Nov. 1941	0530		1730	2330
53.	Veraval	20 54	70 22	17	13th Oct. 1941	0530		1730	2330
54.	Vijaywada/Gannavaram	16 32	80 48	32	8th Apr. 1942	0530		1730	2330
55.	Vishakhapatnam	17 43	83 14	10	24th Sep. 1928	0530*	1130	1730*	2330

* Radio wind ascents.

● Radiosonde ascents followed by optical theodolite.

\+ Naval Meteorological Office.

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JULY,1967.(ASADHA 10 - SRAVANA 9,1889 SAKA)

STATION	AGARTALA												AHMADABAD											
TIME IN I.S.T.	0530				1730				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.3	01.7	149	31	02.2	01.7	167	31	02.3	01.9	165	29	03.0	02.4	215	31	03.7	02.7	210	31	03.7	02.6	211
.15 A.G.L.	24	06.0	04.7	148	31	05.3	04.7	175	25	07.4	07.1	172	29	07.3	05.1	217	30	06.1	04.6	213	31	07.7	05.8	220
.3A.M.S.L.	24	07.8	06.1	168	31	06.4	05.8	179	25	08.7	08.3	180	29	07.6	05.8	222	30	06.3	04.7	218	31	09.5	06.0	220
.6 ,,	24	09.0	06.9	176	31	07.5	06.6	182	24	09.9	09.2	186	29	08.6	06.6	231	25	07.4	05.9	233	31	08.8	07.0	220
.9 ,,	24	08.5	06.1	178	30	07.9	06.8	181	24	09.0	08.2	190	29	09.5	06.8	237	24	08.4	06.7	238	31	09.7	06.9	227
1.5 ,,	21	07.0	04.6	164	26	07.8	05.5	181	23	07.1	06.1	187	29	09.2	06.8	226	13	08.0	05.9	230	31	08.8	06.2	227
2.1 ,,	19	06.6	03.7	153	22	06.9	03.5	202	16	06.7	05.6	186	29	09.0	05.9	208	05	07.2	03.3	190	31	08.5	06.4	224
3.0 ,,	16	06.2	04.0	162	14	06.5	03.1	164	12	04.6	03.3	199	29	07.6	03.2	207	01	04.0	04.0	205	31	07.9	04.6	221
3.6 ,,	09	06.1	04.4	140	07	05.6	02.2	119	03	04.0	03.7	255	29	07.6	01.8	135					31	07.8	03.0	211
4.5 ,,	08	06.1	04.5	138	07	06.1	02.1	133	01	03.0	03.0	255	29	07.7	02.2	094					31	07.1	02.1	253
5.4 ,,	06	06.0	03.4	114	02	07.5	01.5	270					29	06.8	04.1	103					31	08.6	03.3	096
6.0 ,,	05	06.8	03.4	102	02	07.5	02.4	238					29	07.4	04.6	075					29	07.5	03.4	101
7.2 ,,	03	05.0	03.2	128	01	05.0	05.0	131					28	08.6	06.7	083					28	07.1	05.3	084
9.0 ,,					01	04.0	04.0	180					28	09.7	08.6	085					28	08.9	07.2	079

STATION	AHMADABAD				ALLAHABAD/BAMHRAULI												AMBALA							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	03.8	03.0	205	31	00.9	00.4	153	31	01.7	00.7	168	31	00.8	00.3	186	31	01.0	00.9	133	31	01.3	00.8	142
.15 A.G.L.	29	08.1	06.7	215	29	06.3	02.0	230	30	05.4	01.8	269	30	06.1	01.9	194	27	06.6	04.6	104	27	05.8	03.9	111
.3A.M.S.L.	29	09.4	08.0	216	29	07.2	02.4	228	30	05.6	01.5	268	30	06.7	01.9	194	27	02.7	02.2	107	27	02.8	01.7	105
.6 ,,	26	11.5	10.4	228	29	08.9	02.3	233	30	06.6	00.6	255	30	07.3	01.4	177	27	07.2	05.4	134	27	05.9	03.4	112
.9 ,,	25	11.4	10.2	234	28	09.5	01.3	237	29	06.3	00.2	360	30	07.5	01.3	176	26	08.3	04.6	158	25	06.3	02.6	120
1.5 ,,	17	07.6	05.3	238	23	07.0	00.4	336	27	06.7	00.6	055	29	06.8	01.1	118	23	08.2	02.1	176	23	07.3	01.4	162
2.1 ,,	11	06.7	03.1	231	18	07.1	00.8	352	25	06.6	01.9	094	24	06.1	00.2	080	19	08.8	00.9	109	16	07.2	00.5	286
3.0 ,,	08	05.1	02.8	156	08	06.1	03.1	072	14	07.5	04.2	077	15	05.8	02.0	041	10	07.5	01.9	117	09	06.7	01.7	349
3.6 ,,					07	06.6	03.4	069	07	07.9	02.0	076					07	06.3	05.4	125	04	06.8	00.8	014
4.5 ,,					06	05.7	03.6	090	06	05.3	04.1	088					03	05.6	04.7	103	02	07.0	03.0	330
5.4 ,,					03	08.3	08.3	106	04	06.0	05.2	112					02	10.5	09.3	090	01	09.0	09.0	309
6.0 ,,					03	09.7	09.7	105	03	06.7	04.3	119					01	03.0	03.0	195	01	07.0	07.0	320
7.2 ,,					02	10.5	10.5	115	02	06.5	05.3	144												
9.0 ,,					01	08.0	08.0	141																

STATION	AMBALA								AMINI												ANANTAPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.2	00.6	126	31	00.8	00.7	131	31	10.4	10.2	271	31	09.6	09.5	270	31	10.1	09.8	273	31	03.0	02.8	253
.15 A.G.L.	29	04.2	01.1	110	30	05.8	02.6	093	27	11.0	10.8	264	30	10.2	09.9	263	28	10.9	10.7	261	29	09.7	09.5	253
.3A.M.S.L.	29	02.3	00.4	145	30	03.0	01.6	122	27	12.3	12.0	265	30	11.1	10.8	265	28	11.9	11.6	263				
.6 ,,	29	03.8	00.6	106	30	05.6	03.1	135	27	14.9	14.6	266	30	13.7	13.4	267	28	14.1	13.7	266	29	11.1	10.9	255
.9 ,,	29	04.3	00.5	151	30	06.0	02.6	161	24	16.5	16.2	273	29	15.5	15.1	274	28	15.8	15.4	273	29	14.2	13.9	267
1.5 ,,	28	05.6	01.7	265	26	06.6	01.8	196	17	17.4	17.2	280	18	15.1	14.9	286	22	18.0	17.8	280	28	16.7	16.1	276
2.1 ,,	29	05.3	02.5	276	23	06.4	01.1	227	08	15.7	15.6	282	08	14.4	14.1	286	10	16.9	16.7	281	24	14.4	13.8	280
3.0 ,,	11	06.2	03.7	322	15	08.5	00.5	328	02	18.5	18.1	279	02	12.0	11.9	280	01	16.0	16.0	275	11	09.7	08.4	272
3.6 ,,	06	08.0	06.1	346	02	02.0	01.5	292	01	14.0	14.0	280	01	03.0	03.0	275					05	07.4	04.8	260
4.5 ,,	03	08.0	07.2	345	01	03.0	03.0	342													04	08.5	03.6	276
5.4 ,,	02	06.5	06.3	306																	04	03.5	02.3	156
6.0 ,,	02	06.0	05.9	328																	04	04.3	01.9	105
7.2 ,,																					03	03.7	03.6	105
9.0 ,,																					01	15.0	15.0	095

STATION	ANANTAPUR								ASANSOL												AURANGABAD/CHIKALTHAN			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	06.0	05.5	270	31	05.2	05.1	268	31	01.3	00.6	129	31	01.3	00.7	127	31	01.4	00.9	138	31	04.8	04.3	255
.15 A.G.L.	30	11.6	10.9	264	23	10.8	10.7	255	24	05.6	02.2	212	27	06.0	03.9	123	27	05.7	03.5	147	28	08.1	07.3	257
.3A.M.S.L.									24	05.8	02.4	220	27	06.2	04.0	124	27	06.0	03.8	149				
.6 ,,	30	10.4	10.0	264	23	11.7	11.6	255	24	08.2	03.9	239	27	07.2	04.3	129	26	07.7	04.3	159				
.9 ,,	30	11.6	11.3	264	23	14.3	14.1	260	21	08.9	04.4	255	26	07.6	03.8	137	26	08.2	03.8	163	28	10.0	09.3	265
1.5 ,,	28	13.1	12.6	270	23	16.0	15.7	269	18	08.4	04.6	259	20	07.0	03.5	138	21	07.1	02.9	187	28	13.0	11.9	268
2.1 ,,	17	12.5	11.8	276	17	12.6	12.0	276	15	07.5	03.3	236	19	07.4	03.9	131	17	06.2	01.9	141	23	10.2	08.6	265
3.0 ,,	07	07.0	06.3	271	04	06.7	04.7	262	09	06.7	03.1	235	15	06.7	04.2	049	12	05.7	02.5	151	17	07.2	04.4	267
3.6 ,,	03	03.7	01.4	173	02	05.0	04.8	189	07	06.1	02.4	201	11	05.8	05.1	140	06	02.5	00.9	105	10	03.9	01.6	237
4.5 ,,	02	03.5	03.0	097					05	06.2	02.7	147	05	05.8	03.9	123	03	02.3	01.5	109	07	03.6	00.6	279
5.4 ,,	02	03.0	02.8	087					04	06.5	03.7	121	03	06.3	05.7	073	01	02.0	02.0	118	05	04.2	00.3	350
6.0 ,,	02	03.5	03.1	141					04	08.3	04.8	096	03	06.3	06.1	095	01	02.0	02.0	076	02	03.0	00.5	138
7.2 ,,									03	08.0	04.0	068	01	06.0	06.0	075					01	04.0	04.0	050
9.0 ,,									01	13.0	13.0	115												

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JULY,1967.(ASADHA 10 - SRAVANA 9,1889 SAKA)

STATION	AURANGABAD/CHIKALTHAN								BAHRAICH												BANGALORE			
TIME IN I.S.T.	1730				2330				0530				1130				1730				0530 @			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	06.0	04.8	263	31	05.2	05.0	264	31	02.1	01.1	090	31	02.5	01.5	115	31	02.0	00.9	121	31	04.1	03.8	254
.15 A.G.L.	28	09.0	08.2	265	26	08.3	07.9	263	22	06.1	03.0	105	19	05.7	03.8	117	26	04.5	01.8	121	08	09.1	08.9	255
.3A.M.S.L.									22	06.3	03.3	110	19	06.0	03.8	124	26	04.7	01.9	122				
.6 ,,									22	07.6	04.5	116	19	06.0	03.6	128	26	05.3	02.8	120				
.9 ,,	28	09.3	08.6	267	26	10.5	09.7	268	19	06.9	03.3	123	16	07.6	05.1	120	25	06.9	02.1	124				
1.5 ,,	26	10.5	09.8	271	25	10.4	09.4	271	12	07.3	03.5	108	10	07.6	01.3	140	15	08.1	01.1	184	08	14.0	13.2	271
2.1 ,,	21	09.5	08.7	268	23	09.0	06.8	267	09	08.8	05.4	110	04	07.5	04.5	112	07	04.7	02.7	296	07	14.3	13.5	275
3.0 ,,	16	08.0	07.0	265	12	06.6	04.6	238	05	07.0	04.6	091	02	07.0	07.0	120	03	04.7	04.6	309	04	10.5	09.8	276
3.6 ,,	10	07.3	05.4	263	11	05.1	03.1	265	01	08.0	08.0	115					01	03.0	03.0	305	04	07.7	07.2	261
4.5 ,,	03	02.0	00.3	037	07	05.0	02.6	286	01	07.0	07.0	120					01	01.0	01.0	127	04	05.5	04.3	252
5.4 ,,	02	02.0	01.1	204	06	04.8	03.4	311									01	01.0	01.0	127	02	05.0	02.9	170
6.0 ,,	01	01.0	01.0	035	05	03.6	00.9	302									01	02.0	02.0	076	02	07.0	04.1	132
7.2 ,,					04	03.7	02.8	007													01	09.0	09.0	100
9.0 ,,					01	01.0	01.0	307													01	11.0	11.0	082

STATION	BANGALORE												BAREILLY								BEGAMPET			
TIME IN I.S.T.	1130				1730 @				2330				0530				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	05.0	04.7	260	31	05.2	04.8	262	31	04.8	04.5	250	31	01.6	01.4	090	31	02.0	00.5	082	31	07.8	07.4	266
.15 A.G.L.	30	08.7	08.6	258	29	08.8	08.5	262	24	11.2	11.0	250	24	06.1	03.0	103	30	05.8	00.7	113	30	10.4	09.9	262
.3A.M.S.L.													24	05.7	02.6	103	30	05.4	00.5	121				
.6 ,,													23	08.5	03.4	137	29	05.7	00.8	148	30	10.4	09.9	262
.9 ,,													22	09.4	02.7	169	29	05.9	00.9	145	30	11.8	11.2	266
1.5 ,,	25	11.0	10.7	269	28	11.3	11.1	267	22	18.0	17.4	263	18	09.1	02.9	133	24	07.1	00.9	156	30	14.4	13.6	279
2.1 ,,	02	07.5	06.7	255	24	13.2	12.9	271	20	19.7	18.9	273	15	08.8	03.8	115	19	08.4	02.0	125	30	13.3	12.1	279
3.0 ,,	01	04.0	04.0	185	16	11.4	10.9	271	11	07.5	06.7	280	07	08.6	03.9	135	14	08.1	04.8	114	30	11.1	09.5	282
3.6 ,,	01	05.0	05.0	180	12	09.4	08.5	270	11	05.8	04.0	280	05	05.0	03.8	110	10	05.7	02.9	128	29	08.7	07.0	283
4.5 ,,	01	05.0	05.0	125	06	10.7	08.6	265	03	04.3	03.2	228	05	05.6	03.8	113	05	05.8	01.6	057	29	07.3	05.3	273
5.4 ,,	01	05.0	05.0	125	05	07.6	03.9	271	02	04.0	04.0	290	05	03.4	02.6	094	02	03.5	01.5	358	29	06.2	03.6	274
6.0 ,,	01	07.0	07.0	115	03	05.3	01.7	107					05	04.8	03.5	091	02	02.5	02.5	065	29	06.5	03.6	259
7.2 ,,	01	07.0	07.0	115	03	06.3	05.1	096					04	05.7	05.5	087	01	05.0	05.0	074	29	05.8	00.9	262
9.0 ,,	01	07.0	07.0	115	01	06.0	06.0	100					04	06.7	06.4	076					29	06.9	04.4	076

STATION	BEGAMPET												BHAGALPUR								BHOPAL/BAIRAGARH			
TIME IN I.S.T.	1130				1730				2330				0530				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	06.0	05.6	266	31	07.1	05.9	268	31	04.5	04.0	265	31	01.5	00.6	120	31	01.1	00.9	100	31	03.5	02.5	249
.15 A.G.L.	30	08.9	08.4	268	30	09.0	07.9	262	23	08.0	07.5	254	27	06.3	03.6	146	27	06.0	03.0	099	25	07.8	05.6	258
.3A.M.S.L.													27	07.2	03.4	151	27	06.0	03.7	103				
.6 ,,	30	08.1	07.6	266	30	09.0	07.7	261	23	06.3	05.9	254	27	09.0	03.5	152	27	06.9	04.1	113	25	06.4	04.3	254
.9 ,,	30	08.8	08.4	271	30	09.6	08.7	267	23	10.2	09.3	260	27	09.3	03.0	146	27	06.9	03.6	126	25	10.5	07.5	271
1.5 ,,	25	10.3	09.6	274	31	10.9	10.4	275	21	11.0	09.8	267	27	10.6	03.4	137	26	08.5	03.6	136	17	10.1	07.7	268
2.1 ,,	15	08.7	07.8	264	31	11.8	10.9	277	18	11.0	09.4	271	19	11.0	03.1	179	26	09.2	03.0	134	15	07.7	04.8	252
3.0 ,,	04	03.5	02.9	140	31	11.6	10.6	280	11	07.4	05.9	282	03	04.0	03.7	161	13	06.2	01.3	175	10	07.9	03.5	215
3.6 ,,	03	04.3	03.8	170	31	09.8	08.9	279	03	04.0	00.9	001					10	05.2	00.9	157	05	07.6	02.0	193
4.5 ,,	03	03.3	02.8	179	31	08.2	06.7	275	01	05.0	05.0	295					06	05.2	01.6	135	01	05.0	05.0	065
5.4 ,,	02	04.0	02.3	215	31	07.0	04.8	274									03	06.0	04.0	136				
6.0 ,,	02	04.0	01.5	227	31	05.9	03.7	283									02	08.0	07.5	119				
7.2 ,,	01	06.0	06.0	190	31	06.1	01.6	333																
9.0 ,,	01	05.0	05.0	070	31	08.4	06.4	083																

STATION	BHOPAL/BAIRAGARH								BHUBANESHWAR												BHUJ/RUDRAMATA			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	04.5	02.8	248	31	03.6	02.3	231	31	02.8	01.9	235	31	04.4	03.0	210	31	03.7	02.8	217	31	03.2	02.3	232
.15 A.G.L.	28	06.2	03.5	252	27	07.4	05.6	239	26	06.5	05.2	226	23	06.8	04.8	194	23	07.6	06.0	214	25	07.2	05.1	236
.3A.M.S.L.									26	06.8	05.9	234	23	06.8	04.6	210	23	08.5	06.8	217	25	07.6	05.7	237
.6 ,,	28	06.0	03.2	249	27	06.4	04.9	236	26	07.6	06.5	241	23	07.1	04.2	212	22	08.9	06.8	222	23	09.2	07.4	245
.9 ,,	28	07.0	04.1	260	27	09.0	06.3	254	24	08.0	06.5	258	22	06.6	03.3	224	19	08.4	06.5	218	21	09.9	07.6	245
1.5 ,,	26	08.0	04.7	267	23	09.3	06.5	263	21	07.3	05.4	271	18	05.8	02.8	265	18	07.2	04.3	231	14	08.1	06.1	247
2.1 ,,	22	07.8	04.5	265	20	06.9	03.1	282	20	07.1	05.4	262	16	06.1	02.7	277	15	06.5	03.2	231	13	07.8	03.9	238
3.0 ,,	14	06.1	03.9	292	11	06.2	00.9	192	09	06.2	02.8	213	11	05.5	02.4	220	07	06.4	02.4	194	07	06.9	02.6	124
3.6 ,,	09	05.7	02.8	297	07	06.3	01.9	292	06	07.7	02.9	269	06	03.5	01.3	178	01	04.0	04.0	072	05	07.4	05.5	115
4.5 ,,	05	07.0	01.8	318					02	10.0	09.5	114	01	07.0	07.0	120					02	10.0	09.9	132
5.4 ,,	02	02.5	00.7	231					01	12.0	12.0	101									02	10.0	10.0	110
6.0 ,,	02	03.0	01.5	227					01	13.0	13.0	106									02	11.0	10.9	109
7.2 ,,	01	05.0	05.0	078					01	10.0	10.0	110												
9.0 ,,	01	07.0	07.0	090																				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JULY,1967.(ASADHA 10 - SRAVANA 9,1889 SAKA)

STATION	BHUJ/RUDRAMATA								BIKANER												BOMBAY/SANTACRUZ			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	05.8	04.5	228	31	04.6	04.0	230	31	02.3	01.6	222	31	02.7	01.3	208	31	02.8	02.2	203	31	05.3	04.1	248
.15 A.G.L.	29	09.4	07.6	232	28	07.5	06.5	234	31	09.0	05.6	219	29	08.2	04.3	199	29	09.9	07.2	198	28	08.8	07.6	239
.3A.M.S.L.	29	09.8	07.9	233	28	08.1	07.0	236	31	06.5	04.2	219	29	06.8	03.3	191	29	07.7	05.4	197	28	09.5	08.7	242
.6 ,,	29	09.2	07.2	237	28	09.0	07.5	239	31	10.2	06.9	229	29	07.8	03.7	208	29	11.2	07.4	200	28	11.3	11.0	247
.9 ,,	27	08.9	05.9	238	25	09.7	07.8	240	29	10.3	07.0	232	29	07.8	02.6	190	28	10.8	06.8	201	28	12.3	11.7	251
1.5 ,,	22	07.6	02.5	238	19	07.7	04.2	230	29	08.2	03.0	220	25	09.8	03.1	204	23	08.0	03.0	165	28	12.6	11.8	251
2.1 ,,	11	06.4	02.5	083	12	05.7	00.6	105	25	07.2	01.6	105	17	08.5	01.4	077	19	06.8	02.0	113	28	11.5	10.1	251
3.0 ,,	04	06.7	04.6	122	08	03.5	01.9	094	16	06.8	04.9	090	07	07.7	03.5	070	12	07.3	06.1	053	28	10.0	08.3	254
3.6 ,,	02	06.0	05.3	090					08	07.2	05.9	090	04	09.3	07.3	091	05	07.6	05.8	043	28	08.8	06.8	262
4.5 ,,									06	07.1	05.2	078	03	06.3	05.5	029	02	08.0	07.7	075	28	07.2	03.4	266
5.4 ,,									03	06.3	06.3	060	03	09.7	09.3	019					28	06.1	02.1	292
6.0 ,,									02	04.0	02.8	053	02	11.0	11.0	015					28	04.9	01.5	312
7.2 ,,																					28	05.7	03.4	088
9.0 ,,																					27	09.2	08.4	089

STATION	BOMBAY/SANTACRUZ												CALCUTTA/DUM DUM											
TIME IN I.S.T.	1130				1730*				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	05.0	04.4	236	31	05.7	05.5	258	31	04.6	04.1	234	31	01.4	00.8	155	31	02.2	01.2	153	31	02.7	02.0	179
.15 A.G.L.	25	09.0	08.3	241	29	08.7	07.7	246	27	08.2	07.4	240	31	06.8	03.7	185	31	05.7	03.1	174	31	07.5	05.7	183
.3A.M.S.L.	25	10.0	09.5	243	29	09.7	08.8	247	27	09.4	08.8	243	31	07.4	04.0	199	31	06.1	03.3	176	31	07.8	05.9	182
.6 ,,	22	10.8	10.5	248	29	11.0	10.2	253	25	10.1	09.6	249	31	08.9	04.8	214	31	07.0	03.4	176	31	09.1	06.1	181
.9 ,,	18	11.0	10.7	252	29	13.1	12.2	257	15	10.0	09.7	253	31	08.6	04.4	219	27	07.5	03.2	204	31	08.7	05.4	180
1.5 ,,	06	09.0	08.6	254	29	13.1	12.3	257	08	08.9	08.3	253	31	08.5	03.4	215	14	07.9	00.9	248	31	08.5	03.9	174
2.1 ,,	02	08.0	07.3	229	29	12.4	11.4	253	03	05.7	05.1	227	31	07.4	02.8	193	09	07.3	01.4	276	31	08.5	02.9	159
3.0 ,,					29	11.2	09.9	262	01	03.0	03.0	175	31	07.2	02.5	172	05	09.2	06.9	246	31	08.7	03.3	147
3.6 ,,					29	09.8	08.0	263	01	04.0	04.0	094	31	07.8	03.1	202	01	14.0	14.0	266	31	08.3	03.3	140
4.5 ,,					29	07.3	05.1	258					31	08.0	03.7	140	01	13.0	13.0	250	31	07.4	03.5	125
5.4 ,,					29	06.6	03.1	256					31	08.3	04.9	133	01	16.0	16.0	265	31	06.7	04.1	117
6.0 ,,					29	06.4	01.2	273					31	08.6	05.5	127					31	07.3	04.4	113
7.2 ,,					29	06.2	01.3	108					31	08.1	06.5	117					31	08.0	04.9	101
9.0 ,,					29	09.4	08.6	053					30	10.1	09.0	106					31	09.8	07.5	099

STATION	CALCUTTA/DUM DUM				COCHIN/WILLINGDON +												DEHRADUN							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.1	01.6	158	31	00.7	00.1	026	31	02.4	01.9	288	31	00.5	00.4	334	31	00.1	00.1	045	31	00.5	00.2	241
.15 A.G.L.	30	06.6	04.8	170	25	03.0	00.7	339	28	04.3	03.5	295	24	03.1	00.6	328	26	02.2	00.8	116	30	02.5	00.4	233
.3A.M.S.L.	30	07.7	05.9	180	25	04.4	03.2	289	28	05.9	05.3	289	24	04.0	02.7	295								
.6 ,,	29	08.8	07.1	192	25	07.9	07.3	287	28	09.8	09.3	291	24	07.0	06.5	288								
.9 ,,	28	08.3	06.0	193	25	10.6	09.9	289	27	12.8	12.3	293	23	11.0	06.7	293	26	02.4	01.1	145	30	02.4	00.8	227
1.5 ,,	27	07.1	04.4	189	20	13.4	13.1	294	25	14.2	13.8	295	20	14.1	13.8	297	25	03.3	01.5	162	30	03.4	01.7	266
2.1 ,,	23	07.1	03.6	185	12	15.5	15.3	295	21	16.4	16.0	297	13	15.7	15.4	295	18	03.8	01.0	131	24	03.6	01.6	257
3.0 ,,	12	06.7	02.6	174					07	15.9	15.6	307					15	04.5	00.2	082	19	04.1	01.3	219
3.6 ,,									01	15.0	15.0	285					11	04.5	01.7	117	14	03.9	01.1	279
4.5 ,,																	08	05.0	03.1	141	11	03.6	01.6	285
5.4 ,,																	06	05.0	02.1	163	05	02.6	02.0	327
6.0 ,,																	04	03.0	02.3	225	03	06.3	05.6	324
7.2 ,,																	02	03.5	02.3	243	02	04.0	04.0	304
9.0 ,,																	01	06.0	06.0	230	02	06.5	05.5	254

STATION	DIBRUGARH/MOHANBARI																GADAG							
TIME IN I.S.T.	0530				1130				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.2	00.4	081	31	00.9	00.0	002	31	01.1	00.1	012	31	01.3	00.7	040	31	04.8	04.5	241	31	06.2	06.0	265
.15 A.G.L.	28	03.2	00.7	093	26	02.2	00.3	231	28	03.1	00.5	033	25	03.6	01.5	062	27	11.4	11.1	249	30	13.1	12.8	258
.3A.M.S.L.	24	04.0	00.8	120	26	02.5	00.5	237	28	03.1	00.3	054	25	03.7	01.6	068								
.6 ,,	24	04.2	01.0	191	26	03.0	01.2	219	28	03.9	01.4	190	25	01.3	00.7	123								
.9 ,,	22	05.2	02.4	211	25	03.9	02.4	218	28	04.8	02.6	207	25	03.7	01.3	210	27	13.6	13.1	262	30	13.4	13.1	261
1.5 ,,	18	05.3	02.1	213	21	04.6	02.3	203	27	05.0	03.5	238	19	03.3	01.9	205	21	16.3	15.7	274	26	14.0	13.5	270
2.1 ,,	12	05.6	01.0	106	14	05.2	02.8	192	24	05.9	04.4	223	17	03.5	02.0	210	15	12.8	11.4	278	12	12.6	11.7	276
3.0 ,,	08	05.1	01.9	141	08	03.8	02.8	108	16	05.3	02.8	220	14	04.6	02.9	203	07	06.6	04.1	293	05	09.4	08.2	269
3.6 ,,	07	05.7	03.0	163	05	04.2	02.3	132	14	04.6	01.3	223	10	05.7	02.7	180	04	05.2	01.7	238				
4.5 ,,	03	05.3	04.4	191	03	03.3	02.8	065	14	05.1	01.7	232	01	04.0	04.0	010	04	04.5	00.7	354				
5.4 ,,	02	04.0	03.9	186	03	04.3	03.2	080	12	05.6	01.1	199	01	02.0	02.0	320	03	03.3	00.7	349				
6.0 ,,	01	06.0	06.0	194	01	02.0	02.0	060	10	04.8	01.8	217	01	01.0	01.0	345	02	02.5	02.4	093				
7.2 ,,									08	04.4	01.2	120					02	02.0	01.9	078				
9.0 ,,									02	10.0	01.7	270					02	12.5	12.5	087				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JULY,1967.(ASADHA 10 - SRAVANA 9.1889 SAKA)

STATION	GADAG	GANGTOK		GAUHATI		
TIME IN I.S.T.	2330	0530	1730	0530*	1130	1730*
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	31 05.0 04.6 251	31 00.5 00.5 360	31 00.9 00.4 120	31 00.3 00.1 189	31 02.2 01.2 032	31 01.3 00.4 315
.15 A.G.L.	26 11.8 11.6 253	11 02.1 01.7 358	07 02.0 01.2 170	31 02.2 00.2 221	30 03.7 02.5 038	31 03.7 00.6 278
.3A.M.S.L.				31 02.2 00.3 236	30 03.4 01.5 039	31 03.9 00.6 283
.6 ,,				31 04.1 01.4 234	29 04.0 01.1 061	31 04.8 01.8 275
.9 ,,	26 13.6 13.3 263			31 05.9 03.2 244	29 05.0 00.9 145	31 05.5 02.0 250
1.5 ,,	23 15.5 15.0 272			31 06.8 04.2 240	25 06.7 02.5 165	31 06.6 03.9 235
2.1 ,,	17 11.2 10.4 274	11 01.5 00.9 327	07 02.1 01.3 193	31 06.9 03.4 229	19 07.5 02.3 151	31 06.6 03.9 221
3.0 ,,	09 04.7 02.3 255	11 01.5 00.3 017	06 01.3 00.4 004	30 06.5 02.5 235	09 06.3 01.4 137	31 07.6 02.8 228
3.6 ,,	07 04.6 02.7 267	10 02.7 01.9 106	05 02.2 00.5 022	30 06.0 02.8 226	03 08.0 07.8 091	31 07.0 01.7 210
4.5 ,,	03 03.3 02.6 324	06 04.0 03.9 075		30 06.0 02.5 211	02 07.0 06.5 085	31 06.0 01.6 223
5.4 ,,	01 04.0 04.0 155	06 06.2 04.1 063		29 05.9 01.4 185	02 07.5 06.5 107	31 06.2 01.5 187
6.0 ,,		05 05.8 03.4 128		29 05.2 00.7 190	02 05.5 04.3 105	31 05.3 00.9 137
7.2 ,,		04 05.3 04.2 179		30 05.9 02.1 146	01 04.0 04.0 285	31 05.3 00.9 131
9.0 ,,		03 06.7 01.3 118		30 06.2 02.5 069		31 06.5 02.7 095

STATION	GAUHATI	GAYA			GOA/DABOLIM	
TIME IN I.S.T.	2330	0530	1730	2330	0530	1730
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	31 01.4 00.6 243	31 02.9 01.0 140	31 03.9 00.4 198	31 03.4 01.7 146	31 07.0 05.3 273	31 07.7 06.6 283
.15 A.G.L.	29 03.0 01.3 258	28 06.4 01.9 162	27 05.9 00.5 066	25 07.2 03.9 146	05 07.8 07.0 264	13 08.5 07.8 269
.3A.M.S.L.	29 03.3 01.5 272	28 06.6 02.0 172	27 06.1 00.9 088	25 07.3 03.9 145	05 08.8 07.9 261	13 09.3 08.7 268
.6 ,,	29 03.9 01.7 277	28 08.0 02.5 209	27 07.0 01.5 100	25 09.0 04.2 153	05 10.6 09.9 265	13 11.9 11.1 271
.9 ,,	27 04.4 01.4 245	28 08.4 01.5 226	27 07.5 02.0 103	25 09.4 04.0 155	05 12.6 11.8 262	13 13.4 12.6 274
1.5 ,,	22 04.9 02.4 218	26 08.4 00.7 324	25 07.3 02.2 116	25 08.3 02.9 165	03 14.7 14.2 264	09 11.8 11.4 284
2.1 ,,	12 05.3 02.2 201	22 07.5 01.4 337	23 08.0 03.3 128	19 07.0 01.5 159		04 12.0 11.7 281
3.0 ,,	11 05.3 01.7 142	17 05.8 01.4 100	15 07.5 05.3 107	10 05.0 04.7 114		
3.6 ,,	03 08.3 02.3 107	12 04.4 03.5 117	09 05.8 02.7 116	02 04.0 03.7 138		
4.5 ,,		11 06.2 05.4 111	05 06.2 05.5 146			
5.4 ,,		08 05.0 04.3 108	03 08.0 07.7 116			
6.0 ,,		08 05.1 04.1 100	03 08.7 08.6 120			
7.2 ,,		01 08.0 08.0 080	02 06.0 05.9 110			
9.0 ,,						

STATION	GOA/DABOLIM	GOPALPUR			GORAKHPUR	
TIME IN I.S.T.	2330	0530	1730	2330	0530	1730
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	31 07.8 05.0 291	31 03.3 03.2 226	31 06.1 05.2 215	31 04.2 04.0 225	31 01.3 00.8 104	31 01.8 00.7 091
.15 A.G.L.	04 09.7 09.3 261	26 07.9 07.6 216	27 10.1 09.2 205	27 08.0 07.4 216	26 06.4 03.7 111	29 04.8 01.7 095
.3A.M.S.L.	04 09.5 09.1 261	26 07.2 06.7 233	27 08.6 07.6 207	27 08.3 07.5 220	26 07.3 03.9 117	29 05.4 01.6 096
.6 ,,	04 13.3 12.7 264	25 07.0 06.1 245	27 07.7 06.2 212	27 07.4 06.5 230	26 09.3 04.6 122	29 07.1 00.8 139
.9 ,,	04 14.7 14.3 270	25 07.6 06.4 260	26 06.2 03.8 235	27 06.7 05.4 240	24 09.7 03.4 133	28 07.4 00.9 133
1.5 ,,	03 13.0 12.8 278	22 08.9 07.4 268	24 06.1 04.2 260	24 07.4 05.4 255	22 09.9 03.3 106	25 08.2 01.3 165
2.1 ,,	02 12.0 11.9 284	13 07.5 06.9 271	15 06.1 03.8 267	14 05.0 03.5 248	19 09.3 03.7 100	20 08.6 01.9 133
3.0 ,,		04 06.3 05.3 246	08 05.7 05.1 258	06 06.3 05.9 251	12 06.3 03.3 107	12 06.5 04.9 106
3.6 ,,		02 07.5 04.3 220	07 05.1 04.1 242	03 05.0 03.8 271	09 06.0 04.3 113	08 08.9 07.5 110
4.5 ,,		02 06.5 03.3 271	06 06.3 03.2 230		07 06.0 04.4 119	05 10.0 09.9 111
5.4 ,,		02 06.0 02.1 206	06 04.8 01.9 245		05 04.4 04.2 131	03 07.3 07.1 103
6.0 ,,		02 08.0 02.8 240	05 04.8 01.1 057		04 04.5 03.7 132	03 06.6 04.8 125
7.2 ,,		02 05.0 04.3 135	02 09.0 08.9 125		03 06.0 04.4 110	02 03.0 02.0 127
9.0 ,,		01 08.0 08.0 085	01 16.0 16.0 080			01 01.0 01.0 144

STATION	GWALIOR				IMPHAL/TULIHAL	
TIME IN I.S.T.	0530	1130	1730	2330	0530	1130
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	31 02.1 01.0 237	31 02.5 00.8 258	31 02.0 00.7 219	31 02.2 01.3 184	31 01.4 00.3 188	31 02.3 00.8 200
.15 A.G.L.	30 06.9 03.4 231	31 05.1 01.6 261	31 05.1 01.3 224	29 06.9 03.1 193	30 02.9 00.2 180	30 03.3 01.8 205
.3A.M.S.L.	30 05.9 02.8 226	31 04.8 01.4 263	31 04.5 01.4 224	29 05.1 02.8 195		
.6 ,,	28 09.1 05.4 263	31 05.8 01.5 274	31 05.6 00.9 209	29 07.2 03.8 207		
.9 ,,	28 09.7 05.3 271	30 06.6 01.4 289	31 05.8 00.8 189	29 07.4 03.3 210	30 02.9 00.2 163	30 03.2 01.7 205
1.5 ,,	25 08.5 04.2 277	20 07.3 01.8 337	29 07.0 00.8 182	27 07.2 02.1 246	30 04.2 01.1 217	30 03.9 01.6 205
2.1 ,,	21 07.2 01.9 303	13 07.2 02.0 319	21 07.7 03.5 284	24 06.0 01.9 281	25 05.8 02.1 228	25 05.8 01.7 228
3.0 ,,	15 05.6 01.4 350	04 05.0 02.4 092	08 07.3 01.8 302	16 05.6 01.9 330	12 06.3 03.0 179	13 05.5 02.3 254
3.6 ,,	13 05.8 01.6 336	02 03.5 03.3 102	07 06.3 01.9 330	04 07.0 00.7 085	07 05.0 02.9 180	07 04.6 00.8 093
4.5 ,,	10 06.9 02.0 032	01 04.0 04.0 090	04 08.0 04.4 358		05 04.0 02.8 155	03 03.3 03.2 120
5.4 ,,	05 06.4 00.8 083	01 05.0 05.0 120	03 08.0 04.3 037		03 04.3 03.3 165	02 05.0 04.3 204
6.0 ,,	05 06.6 01.8 077	01 07.0 07.0 100	02 07.5 07.5 086		03 03.7 03.3 142	02 06.0 05.4 175
7.2 ,,	05 08.4 03.6 048	01 11.0 11.0 100			03 06.0 04.8 148	01 03.0 03.0 236
9.0 ,,	03 06.0 05.3 066				01 12.0 12.0 105	

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JULY,1967.(ASADHA 10 - SRAVANA 9,1889 SAKA)

STATION	IMPHAL/TULIHAL								JABALPUR												JAGDALPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.8	00.7	242	31	01.4	00.2	206	31	01.1	00.7	234	31	01.5	00.5	247	31	00.9	00.7	203	31	01.6	01.4	223
.15 A.G.L.	31	04.3	01.0	231	30	03.0	00.6	235	25	06.4	03.5	226	26	06.0	02.4	237	26	05.5	02.9	232	24	06.3	05.8	223
.3A.M.S.L.																								
.6 ,,									25	07.3	04.2	230	26	06.2	02.3	228	26	06.0	03.1	228	24	03.6	03.3	221
.9 ,,	31	04.3	01.2	235	30	03.2	00.7	242	24	10.0	05.2	253	25	07.3	03.7	254	26	06.8	02.9	258	23	08.5	07.9	182
1.5 ,,	31	04.9	02.0	203	30	04.0	01.9	202	21	09.0	06.3	269	23	08.2	04.3	279	24	07.3	02.7	288	18	09.8	08.9	255
2.1 ,,	26	05.8	02.2	197	27	06.1	03.6	212	17	08.5	04.4	267	18	08.5	03.7	284	20	05.6	01.2	346	14	09.1	07.9	265
3.0 ,,	15	05.6	01.5	240	11	05.1	02.3	206	08	07.4	01.6	285	08	05.5	01.5	081	13	04.9	00.9	070	11	07.0	06.1	271
3.6 ,,	13	06.5	01.9	249	04	04.3	01.5	173	05	08.6	03.9	087	03	03.3	00.5	232	02	03.5	02.9	072	08	06.9	05.7	273
4.5 ,,	07	06.1	03.0	272					04	10.3	09.9	098	01	02.0	02.0	189	01	07.0	07.0	090	06	06.2	04.8	288
5.4 ,,	05	03.6	01.7	250					03	13.0	12.7	097									03	05.7	01.9	340
6.0 ,,	03	01.7	00.8	178					03	12.0	11.8	095									03	05.0	01.6	032
7.2 ,,	02	03.0	02.6	089					01	14.0	14.0	095									01	03.0	03.0	031
9.0 ,,																					01	06.0	06.0	106

STATION	JAGDALPUR								JAIPUR/SANGANER												JAMSHEDPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.9	01.4	225	31	01.0	00.8	218	31	02.0	00.3	220	31	02.0	00.2	154	31	01.6	00.4	178	31	01.5	00.5	108
.15 A.G.L.	24	05.4	03.9	228	24	05.3	04.5	217	27	06.7	02.3	261	31	05.2	00.5	218	31	07.8	02.3	225	28	04.3	01.6	207
.3A.M.S.L.																					28	04.4	01.8	214
.6 ,,	24	04.0	02.9	230	24	03.3	02.8	220	27	07.9	03.0	263	31	05.6	00.9	228	31	08.4	03.2	218	28	06.5	03.4	243
.9 ,,	24	06.3	05.0	235	23	05.9	05.1	229	26	09.0	04.4	259	31	06.0	01.8	218	31	09.6	03.5	215	27	08.3	05.4	259
1.5 ,,	19	06.3	04.5	261	20	06.7	05.1	256	23	06.8	02.7	235	30	06.4	02.4	229	31	10.3	03.6	222	23	09.7	06.7	259
2.1 ,,	12	07.1	04.4	262	20	07.5	05.6	266	21	05.9	02.2	180	30	06.1	02.2	235	27	07.7	04.1	221	18	08.8	05.7	263
3.0 ,,	07	07.1	03.8	273	16	05.9	04.7	278	18	04.7	02.1	106	16	04.3	00.6	299	20	04.4	00.6	086	11	05.5	02.6	259
3.6 ,,	04	05.0	04.0	269	10	04.5	02.4	275	16	04.5	02.6	106	14	05.6	01.6	357	09	03.7	01.6	057	08	03.9	01.4	264
4.5 ,,	02	03.5	03.5	207	04	04.3	02.6	297	14	05.4	03.7	099	09	05.3	02.8	043					01	03.0	03.0	232
5.4 ,,	01	05.0	05.0	195	01	05.0	05.0	035	10	06.7	05.7	093	09	05.0	02.5	055					01	02.0	02.0	166
6.0 ,,					01	06.0	06.0	074	07	07.6	06.7	093	06	04.5	03.9	086					01	03.0	03.0	085
7.2 ,,									04	07.7	07.6	093	02	08.0	07.1	107					01	08.0	08.0	104
9.0 ,,									02	01.0	01.0	159	01	20.0	20.0	110					01	02.0	02.0	123

STATION	JAMSHEDPUR				JHARSUGUDA												JODHPUR							
TIME IN I.S.T.	1730				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.1	01.0	131	31	02.2	01.0	216	31	03.0	01.6	240	31	02.2	00.9	211	31	05.5	04.0	228	31	04.0	02.9	231
.15 A.G.L.	28	04.4	01.8	154	26	04.5	02.6	207	24	05.0	02.9	242	25	05.2	02.6	198	31	07.1	04.8	236	31	06.0	04.2	212
.3A.M.S.L.	28	04.4	01.6	156	26	03.8	02.3	211	24	05.3	02.9	242	25	03.8	01.7	170	31	05.9	04.0	228	31	05.0	03.1	219
.6 ,,	28	05.5	02.7	180	26	06.1	03.5	235	24	05.7	03.0	247	25	06.3	03.4	210	31	08.1	05.6	237	31	06.0	04.1	213
.9 ,,	27	06.4	02.8	187	24	07.6	04.3	252	24	05.8	03.0	250	23	06.7	03.1	222	31	08.7	06.3	234	30	06.8	04.4	211
1.5 ,,	18	07.7	01.4	195	18	08.8	05.2	278	20	06.4	02.3	266	19	07.0	03.2	246	29	07.7	04.5	242	19	06.9	01.8	180
2.1 ,,	09	06.8	01.2	257	13	08.8	04.9	302	19	06.0	01.4	276	17	05.7	00.9	264	28	06.8	01.7	186	12	06.4	04.6	098
3.0 ,,	03	07.0	03.5	068	09	06.5	02.7	264	15	06.0	00.4	110	07	04.7	01.6	073	28	06.1	02.5	088	07	07.3	07.0	088
3.6 ,,	01	05.0	05.0	141	06	06.2	01.3	219	11	06.6	00.6	093					27	06.5	03.9	084	06	07.7	07.6	106
4.5 ,,					02	12.5	06.5	298	04	09.0	00.8	165					26	07.1	04.5	071	03	02.7	02.4	110
5.4 ,,					02	11.0	10.9	108	03	04.3	02.9	266					26	07.4	04.8	076	02	02.5	02.5	213
6.0 ,,					02	11.5	11.5	119	02	03.5	01.5	095					26	07.8	05.1	076	01	04.0	04.0	200
7.2 ,,									02	05.0	01.5	358					26	08.7	07.2	080	01	03.0	03.0	181
9.0 ,,																	26	09.3	08.0	086				

STATION	JODHPUR								LUCKNOW/AMAUSI															
TIME IN I.S.T.	1730*				2330				0530*				1130				1730*				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	05.0	03.5	216	31	04.3	02.3	211	31	01.8	01.0	102	31	03.8	00.2	130	31	01.9	00.6	070	31	02.0	01.0	112
.15 A.G.L.	31	06.8	04.6	212	31	08.2	05.5	196	31	06.9	02.0	160	28	05.1	01.1	110	30	05.8	01.5	093	31	06.5	03.4	133
.3A.M.S.L.	31	05.3	03.6	214	31	06.7	04.1	201	31	06.9	02.0	160	28	05.4	01.1	115	30	05.8	01.5	093	31	06.7	02.6	142
.6 ,,	31	07.2	04.3	188	31	08.9	06.4	196	31	08.4	01.7	155	28	06.3	00.6	175	30	05.7	00.5	083	31	08.3	02.7	155
.9 ,,	31	07.6	04.8	203	31	09.5	06.4	201	31	09.3	01.1	185	25	07.2	00.3	190	30	06.5	00.3	073	31	07.8	02.1	162
1.5 ,,	31	07.2	03.8	201	25	07.3	03.6	195	31	09.2	00.5	250	18	08.3	01.9	305	30	07.3	01.2	302	31	08.1	01.4	224
2.1 ,,	31	06.4	02.3	178	17	04.9	02.9	116	31	09.7	00.6	345	15	09.0	00.9	339	30	08.9	01.6	280	20	07.1	00.1	260
3.0 ,,	31	05.9	01.6	093	11	04.9	03.5	070	31	08.8	01.3	018	08	10.0	01.7	100	30	09.4	00.5	253	13	06.3	01.4	320
3.6 ,,	31	05.9	02.0	081	06	04.2	03.5	054	31	08.2	01.0	040	07	09.0	04.2	100	30	08.9	00.4	192	03	06.0	02.0	079
4.5 ,,	30	05.9	02.9	074					31	07.3	01.5	107	03	08.7	01.9	038	30	08.3	00.3	045				
5.4 ,,	30	07.7	03.9	066					31	06.6	02.7	100	02	04.5	00.7	045	30	07.2	01.1	098				
6.0 ,,	30	07.4	03.7	060					31	06.2	03.4	093	02	03.5	01.7	005	30	07.9	02.7	103				
7.2 ,,	29	07.3	04.6	059					31	06.8	04.2	098					30	06.6	02.6	114				
9.0 ,,	29	08.6	06.8	074					31	07.5	05.1	087					30	06.4	03.9	073				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JULY,1967.(ASADHA 10 - SRAVANA 9,1889 SAKA)

STATION	MADRAS/MINAMBAKKAM																MANGALORE/BAJPE							
TIME IN I.S.T.	0530*				1130				1730*				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	05.0	04.9	266	31	04.4	04.1	269	31	04.9	02.0	204	31	03.6	03.0	216	31	03.8	02.0	243	31	03.4	03.1	271
.15 A.G.L.	31	07.9	07.4	270	31	07.0	06.5	264	30	06.8	03.6	217	30	09.1	07.7	236	17	06.5	03.3	252	25	07.0	06.6	261
.3A.M.S.L.	31	09.2	08.7	270	31	07.3	07.0	263	30	07.4	05.0	225	30	10.2	08.6	242	17	07.1	04.6	254	25	07.5	07.1	260
.6 ,,	31	11.4	10.8	276	31	08.4	08.1	264	30	08.2	06.8	245	30	11.6	10.0	249	17	09.9	09.4	263	23	10.7	10.2	268
.9 ,,	31	12.2	11.7	280	31	09.8	09.5	272	30	08.3	07.1	267	30	11.5	10.4	258	13	12.5	11.9	273	21	13.0	12.6	275
1.5 ,,	31	11.8	11.3	286	30	11.0	10.5	280	30	09.5	09.1	273	27	11.6	10.9	268	07	13.6	13.4	290	11	16.3	15.8	282
2.1 ,,	31	10.3	09.5	284	26	09.7	08.6	276	30	10.9	10.3	280	21	10.8	10.2	277	06	12.2	12.0	293	07	17.7	17.3	283
3.0 ,,	29	08.2	07.4	277	21	08.4	07.2	269	29	10.8	10.2	280	11	07.5	05.9	278	02	04.5	03.7	339	03	14.7	14.7	274
3.6 ,,	29	08.5	07.3	270	18	07.3	05.6	267	27	09.5	08.5	277	02	07.0	07.0	268	01	03.0	03.0	295	01	05.0	05.0	265
4.5 ,,	29	09.4	07.0	267	14	04.6	02.1	235	27	09.3	08.1	274					01	03.0	03.0	240				
5.4 ,,	29	08.2	05.1	279	14	04.6	01.6	190	26	08.5	05.5	273					01	04.0	04.0	275				
6.0 ,,	29	07.2	03.5	262	14	03.9	01.9	149	27	06.8	03.6	286					01	06.0	06.0	135				
7.2 ,,	29	06.5	00.5	164	10	04.6	02.6	084	27	05.9	01.4	267												
9.0 ,,	26	09.1	07.3	082	06	08.7	08.5	089	25	07.7	05.1	086												

STATION	MANGALORE/BAJPE				MINICOY																NAGPUR/SONEGAON			
TIME IN I.S.T.	2330				0530*				1130				1730*				2330				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.6	01.0	265	31	04.9	04.7	266	31	05.0	04.7	267	31	05.8	05.5	261	31	04.9	04.4	271	31	02.3	01.7	268
.15 A.G.L.	18	06.6	05.0	253	28	08.9	08.5	263	29	08.1	07.7	271	31	08.1	07.7	258	28	07.8	07.2	266	31	06.9	05.4	268
.3A.M.S.L.	18	07.9	06.4	254	28	08.6	08.3	264	29	08.3	07.9	269	31	09.4	08.9	261	28	08.6	08.1	268				
.6 ,,	17	09.5	08.9	262	28	10.5	10.1	268	29	10.4	10.0	273	31	11.0	10.6	266	28	10.5	10.1	273	31	07.6	06.3	272
.9 ,,	16	12.3	11.8	271	28	12.3	12.0	277	27	12.0	11.8	277	31	12.2	11.9	271	28	12.6	12.2	280	31	08.6	07.2	280
1.5 ,,	15	15.7	15.3	281	24	15.2	15.1	285	19	14.7	14.5	281	31	13.9	13.5	279	24	14.6	14.3	287	31	08.0	05.8	280
2.1 ,,	06	11.7	10.8	280	17	15.4	15.1	289	16	13.1	13.0	285	31	13.8	13.5	282	15	15.1	15.0	290	31	08.2	05.2	282
3.0 ,,	03	07.3	05.0	261	07	11.6	11.2	278	05	09.6	09.2	285	31	12.4	12.1	279	02	14.0	13.6	290	31	07.3	03.9	302
3.6 ,,					03	10.7	10.6	263	03	11.0	11.0	282	31	09.7	09.4	280					31	07.2	03.2	315
4.5 ,,									01	12.0	12.0	260	31	09.3	08.9	269					31	06.4	01.9	014
5.4 ,,									01	10.0	10.0	255	31	07.3	06.7	270					31	06.2	02.0	034
6.0 ,,													31	06.1	04.1	252					31	07.0	02.8	058
7.2 ,,													31	05.5	00.8	202					31	07.3	03.8	086
9.0 ,,													31	09.8	07.6	084					31	08.6	07.7	089

STATION	NAGPUR/SONEGAON												NEW DELHI/SAFDARJUNG											
TIME IN I.S.T.	1130				1730*				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	03.5	02.8	280	31	03.3	02.3	280	31	01.8	01.0	251	31	03.0	01.0	200	31	03.3	00.4	168	31	03.1	00.8	113
.15 A.G.L.	29	06.5	04.9	266	29	06.7	04.4	283	24	05.5	03.0	240	30	07.3	02.7	213	25	05.7	00.2	225	31	05.5	01.2	139
.3A.M.S.L.													30	05.6	02.0	208	25	04.9	00.3	256	31	04.9	01.1	130
.6 ,,	29	06.6	05.4	269	29	06.8	04.8	285	24	06.5	03.6	252	30	08.2	03.3	223	25	06.0	00.8	291	31	05.3	01.2	165
.9 ,,	28	07.1	05.7	277	29	07.3	04.9	271	24	07.8	04.3	260	30	08.6	03.4	220	23	06.6	02.2	289	31	05.4	01.0	192
1.5 ,,	20	08.3	07.0	283	29	07.8	05.4	274	23	07.9	04.1	269	30	08.1	02.3	248	19	07.4	02.5	298	31	06.7	01.2	231
2.1 ,,	04	04.0	02.9	252	29	08.9	06.3	276	19	08.4	06.7	271	30	08.2	01.8	263	12	07.6	00.7	279	31	07.2	01.7	237
3.0 ,,	01	07.0	07.0	270	29	08.1	05.1	280	09	07.9	05.5	261	30	07.3	01.1	309	06	06.5	02.7	268	31	07.3	01.0	263
3.6 ,,					29	07.1	03.9	285	04	05.5	02.3	333	30	06.2	00.8	324	04	05.7	01.9	312	31	07.8	01.0	327
4.5 ,,					29	06.6	02.5	289					30	05.8	00.5	321	03	03.7	01.6	099	31	06.8	01.3	015
5.4 ,,					29	07.5	00.7	005					30	05.2	00.4	015	02	02.5	02.0	139	31	05.5	01.7	045
6.0 ,,					29	07.4	01.4	064					30	04.9	01.0	058	02	03.5	01.5	064	31	05.1	01.7	042
7.2 ,,					29	07.2	04.6	077					30	05.7	01.9	079	01	05.0	05.0	295	31	05.2	01.3	044
9.0 ,,					29	09.1	07.9	089					29	05.8	02.4	075					31	07.1	01.9	060

STATION	NEW DELHI/SAFDARJUNG				POONA												PORT BLAIR							
TIME IN I.S.T.	2330				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.8	01.3	132	31	01.2	01.1	261	31	03.1	02.9	263	31	01.3	01.3	263	31	06.3	05.9	223	31	05.2	04.9	222
.15 A.G.L.	30	06.6	04.1	149	27	07.6	07.4	251	28	09.4	09.1	253	26	06.7	06.5	251	31	09.4	09.0	224	28	06.5	06.3	230
.3A.M.S.L.	30	05.2	03.4	149													31	09.6	09.0	225	28	07.6	07.3	232
.6 ,,	30	07.2	04.0	160	27	03.3	03.3	253	28	05.5	05.3	260	26	03.3	03.2	260	31	12.2	11.5	232	27	09.6	09.3	236
.9 ,,	30	07.5	03.1	173	27	09.0	08.7	255	28	09.5	09.3	257	26	08.3	08.0	255	31	13.3	12.6	236	23	10.2	09.9	239
1.5 ,,	28	07.9	01.8	181	17	12.8	12.1	263	14	14.7	14.3	258	12	12.5	11.7	258	31	11.6	11.1	240	11	09.1	08.3	239
2.1 ,,	26	07.5	00.4	244	07	05.9	04.4	268	03	10.7	09.9	256	06	07.3	05.5	278	31	10.3	09.7	242	06	09.8	09.0	255
3.0 ,,	20	07.6	01.1	335	03	04.3	01.6	279	01	03.0	03.0	237	03	04.7	00.9	308	31	09.0	07.8	245	03	07.7	06.5	245
3.6 ,,	09	04.0	01.1	052	01	02.0	02.0	195									30	08.6	07.1	243	03	05.7	04.7	246
4.5 ,,	05	04.0	01.7	034													30	08.2	05.6	241	03	05.7	02.9	217
5.4 ,,	01	05.0	05.0	090													30	07.7	04.0	241				
6.0 ,,	01	04.0	04.0	064													30	06.6	03.1	244				
7.2 ,,																	30	06.6	00.5	154				
9.0 ,,																	28	08.4	06.7	077				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JULY,1967.(ASADHA 10 - SRAVANA 9,1889 SAKA)

STATION	PORT BLAIR								RAIPUR												RAXAUL			
TIME IN I.S.T.	1730*				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	06.5	06.1	214	31	03.7	03.5	222	31	01.6	01.3	229	31	02.1	01.3	264	31	01.7	01.3	323	31	02.0	01.3	107
.15 A.G.L.	31	08.5	08.0	222	27	07.7	07.3	230	25	06.9	05.7	233	27	06.7	04.1	247	27	06.7	05.2	214	25	06.1	05.9	103
.3A.M.S.L.	31	08.8	08.3	222	27	08.0	07.9	230													25	06.5	06.1	102
.6 ,,	31	10.9	10.3	229	27	10.1	09.7	237	25	07.8	06.5	247	27	07.7	05.1	262	27	07.7	05.9	227	24	07.6	06.8	115
.9 ,,	29	11.2	10.7	234	22	09.0	08.7	240	23	08.9	07.2	258	26	07.8	05.3	269	27	07.4	05.2	239	24	08.0	06.6	116
1.5 ,,	29	10.2	09.3	244	20	07.9	07.5	247	22	07.9	06.0	274	24	07.1	04.3	277	26	07.0	04.2	263	21	08.0	06.7	110
2.1 ,,	29	08.8	07.7	244	17	07.0	06.0	246	18	07.3	04.9	283	21	07.9	03.8	282	25	06.6	02.9	261	17	06.7	04.6	107
3.0 ,,	29	07.8	06.6	239	11	04.5	03.2	233	13	06.8	03.4	293	14	06.1	02.5	312	16	05.9	01.2	263	10	04.8	03.7	115
3.6 ,,	29	06.6	05.3	244	05	04.8	03.8	203	10	05.2	02.3	291	12	07.2	03.1	306	13	05.5	00.6	218	10	05.2	03.8	106
4.5 ,,	30	06.4	05.1	243	02	03.5	03.1	200	05	06.8	04.6	097	05	05.2	02.6	045	02	05.0	02.9	035	06	06.0	04.3	110
5.4 ,,	30	07.0	04.8	240	01	07.0	07.0	175	05	08.4	03.2	105	03	08.0	03.3	061	01	05.0	05.0	070	05	08.0	07.5	114
6.0 ,,	30	07.2	04.2	244					04	08.3	03.4	109	02	08.0	01.7	051					05	07.0	06.6	118
7.2 ,,	30	06.2	00.6	103					01	04.0	04.0	320	02	05.5	04.5	074					03	08.3	06.7	132
9.0 ,,	29	08.3	06.4	066					01	04.0	04.0	340	02	08.0	08.0	085					02	08.0	07.3	087

STATION	RAXAUL				SRINAGAR												TIRUCHCHIRAPPALLI							
TIME IN I.S.T.	1730				0530*				1730*				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.7	01.8	117	28	00.0	00.0	000	28	00.4	00.1	295	31	06.3	06.3	268	31	08.7	08.0	267	31	07.5	07.1	272
.15 A.G.L.	29	05.5	03.5	103	27	00.2	00.2	038	27	02.1	00.3	248	31	10.6	10.5	277	31	10.7	10.0	272	31	10.7	10.4	275
.3A.M.S.L.	29	05.3	03.3	105									31	11.5	11.4	274	31	10.9	10.5	271	31	11.3	11.1	273
.6 ,,	29	06.2	03.4	110									31	16.2	16.1	273	31	11.0	10.6	271	31	14.5	14.4	271
.9 ,,	29	06.8	03.2	116									31	16.9	16.7	274	31	12.3	11.9	269	31	14.8	14.5	274
1.5 ,,	24	08.2	04.0	121									31	14.6	14.3	273	31	11.4	11.0	267	31	12.3	11.8	275
2.1 ,,	19	07.5	00.9	134	27	02.5	01.4	273	27	02.9	00.3	115	29	11.7	10.9	277	28	11.4	10.9	267	31	10.1	09.5	276
3.0 ,,	08	04.3	00.6	120	27	02.4	01.8	322	27	03.2	00.8	295	22	09.4	08.5	285	17	12.3	11.6	274	21	09.1	08.3	277
3.6 ,,	07	04.8	01.0	052	27	02.3	01.7	322	27	03.4	01.4	286	15	09.7	08.9	282	15	11.8	11.3	272	07	08.4	07.0	281
4.5 ,,	05	04.0	02.3	128	27	03.1	01.5	330	27	03.0	01.4	315	07	10.0	09.3	265	09	09.4	08.6	276				
5.4 ,,	03	03.0	00.2	270	27	04.2	01.7	292	27	04.9	03.3	329	03	09.7	06.0	259	04	06.5	05.3	258				
6.0 ,,	02	03.0	02.9	107	27	06.3	03.8	292	26	07.3	05.6	309	02	04.5	03.9	135	04	08.3	05.0	253				
7.2 ,,					27	11.7	08.3	281	26	10.1	09.9	294	02	04.0	03.9	130								
9.0 ,,					27	14.4	11.3	277	24	13.3	11.7	283												

STATION	TRIVANDRUM																UDAIPUR							
TIME IN I.S.T.	0530*				1130				1730*				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	05.3	03.4	314	31	03.7	03.5	306	31	09.1	04.6	315	31	02.9	02.6	334	31	01.3	00.8	218	31	01.2	00.8	230
.15 A.G.L.	31	09.2	08.9	317	30	06.0	05.6	306	31	09.1	08.7	306	30	06.9	06.4	319	27	05.6	03.7	236	30	05.4	04.4	231
.3A.M.S.L.	31	09.0	09.0	313	30	06.4	06.0	307	31	09.2	08.9	307	30	08.0	07.4	319								
.6 ,,	31	10.3	10.1	305	28	09.1	08.7	307	31	11.0	10.7	307	30	11.0	10.5	309								
.9 ,,	31	11.3	11.2	300	24	10.5	10.1	301	31	13.2	12.8	300	30	12.8	12.2	301	27	06.5	03.9	245	30	06.1	04.3	230
1.5 ,,	31	13.2	13.0	295	06	18.3	18.2	303	31	15.2	15.0	300	22	16.0	15.6	303	14	06.6	04.4	241	28	06.5	03.7	230
2.1 ,,	31	12.8	12.6	292	02	21.5	21.5	296	31	14.7	14.6	297	16	15.5	15.0	304	08	05.4	03.5	179	21	06.3	01.5	204
3.0 ,,	31	12.2	11.8	287					31	12.6	12.4	290	03	10.0	09.9	302	08	05.5	03.7	136	09	08.8	03.6	134
3.6 ,,	31	10.6	10.0	286					31	10.8	10.4	285	01	07.0	07.0	305	08	05.0	04.5	104	09	07.2	03.7	110
4.5 ,,	31	08.6	07.2	291					31	07.9	07.3	277					06	05.5	05.3	089	06	07.7	04.1	080
5.4 ,,	31	06.6	03.9	302					30	05.8	04.3	273					06	06.0	04.6	085	03	05.3	05.2	069
6.0 ,,	31	06.0	02.3	308					30	05.9	03.1	273					04	07.5	07.4	071	02	08.5	08.1	101
7.2 ,,	31	05.9	02.8	036					30	05.0	02.2	307					04	09.5	09.2	078	02	09.0	08.9	074
9.0 ,,	30	08.7	07.0	065					30	09.0	04.5	088					02	11.0	11.0	098	01	09.0	09.0	111

STATION	UDAIPUR				VENGURLA												VERAVAL							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.4	00.3	220	31	02.1	01.8	258	31	02.3	01.9	258	31	02.3	01.8	251	31	09.2	08.4	252	31	09.6	08.6	256
.15 A.G.L.	28	04.8	04.1	216	24	06.9	05.8	258	26	08.3	07.7	259	26	06.5	05.4	254	28	08.1	07.7	242	26	10.3	10.2	243
.3A.M.S.L.					24	07.6	06.8	261	26	08.8	08.3	261	26	07.5	06.6	257	28	08.6	08.2	245	26	10.7	10.6	247
.6 ,,					24	09.1	08.4	266	26	10.8	10.1	265	26	09.7	08.8	262	26	09.8	09.3	248	21	10.2	10.0	249
.9 ,,	28	06.1	04.7	218	06	10.0	09.2	284	20	13.8	13.2	264	13	10.1	09.8	272	17	09.4	09.1	247	20	10.9	10.5	250
1.5 ,,	23	08.4	05.2	218	02	08.5	08.3	289	04	09.0	08.6	291	05	08.8	08.7	275	11	06.8	06.5	237	09	09.6	09.4	243
2.1 ,,	16	06.7	03.5	212					01	06.0	06.0	325	03	09.0	08.6	276	06	04.7	03.7	207	05	07.6	07.4	231
3.0 ,,	11	05.0	03.5	136									01	06.0	06.0	240					03	07.3	07.1	214
3.6 ,,	04	04.0	01.7	133																	02	04.0	03.8	200
4.5 ,,	02	04.5	01.3	343																	01	03.0	03.0	190
5.4 ,,																								
6.0 ,,																								
7.2 ,,																								
9.0 ,,																								

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

JULY,1967.(ASADHA 10 - SRAVANA 9,1889 SAKA)

STATION	VERAVAL				VIJAYWADA/GANNAVARAM												VISHAKHAPATNAM							
TIME IN I.S.T.	2330				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	09.5	08.5	252	31	03.2	02.1	258	31	04.3	03.2	251	31	02.6	01.6	237	30	05.7	05.5	270	31	02.9	02.3	221
.15 A.G.L.	28	08.6	08.0	242	27	07.9	07.4	259	28	07.6	06.0	264	23	07.8	06.1	234	30	09.7	08.8	273	29	06.7	05.8	233
.3A.M.S.L.	28	09.1	08.6	245	27	09.8	09.1	267	28	08.1	06.6	266	23	08.9	07.3	241	30	09.6	08.8	269	29	06.8	06.0	237
.6 ,,	28	10.5	09.9	248	27	12.7	11.9	269	28	07.8	06.9	264	23	09.1	08.1	250	30	10.0	09.4	253	29	07.9	07.3	253
.9 ,,	20	08.7	08.2	244	27	13.7	13.0	276	28	08.1	07.2	266	23	09.7	08.9	259	30	10.4	09.4	255	26	09.0	08.2	263
1.5 ,,	13	07.0	05.7	232	27	12.9	12.3	284	28	10.0	09.1	273	22	10.0	09.3	266	30	10.6	09.2	265	21	09.9	08.5	277
2.1 ,,	06	06.2	05.7	224	25	12.0	11.3	288	28	10.9	10.3	275	21	09.3	08.5	273	30	10.0	08.6	270	17	08.5	06.8	280
3.0 ,,	04	04.7	04.5	204	19	10.6	09.7	278	22	11.2	10.2	273	20	07.3	06.3	278	29	08.5	07.3	278	16	06.7	05.0	287
3.6 ,,	02	03.0	02.7	235	17	09.5	08.1	277	18	11.2	10.4	275	09	04.9	03.9	253	26	07.2	05.8	279	15	06.4	04.7	269
4.5 ,,	01	03.0	03.0	275	14	08.1	06.5	276	08	09.6	08.4	269	06	03.2	00.9	334	26	07.1	04.3	262	12	07.1	05.5	257
5.4 ,,					13	06.4	04.8	267	06	06.8	05.9	263	03	03.7	00.7	360	25	06.9	03.6	279	07	04.4	03.5	227
6.0 ,,					13	05.5	03.6	260	06	07.3	05.7	264	03	05.3	01.9	209	25	06.1	02.3	280	07	05.1	03.6	238
7.2 ,,					10	05.2	01.0	134									25	06.0	01.3	108	06	04.3	00.8	091
9.0 ,,					05	07.6	06.8	095									24	08.0	06.6	091	02	06.5	06.5	108

STATION	VISHAKHAPATNAM							
TIME IN I.S.T.	1730*				2330			
HT IN KM.	N	S	V	D	N	S	V	D
SURFACE	31	04.8	03.3	268	31	02.5	02.2	244
.15 A.G.L.	31	07.8	05.7	269	28	07.0	06.6	238
.3A.M.S.L.	31	07.8	05.9	269	28	07.8	07.4	237
.6 ,,	31	07.8	06.7	248	28	09.3	08.9	245
.9 ,,	31	07.9	06.9	259	25	10.1	09.1	257
1.5 ,,	31	09.2	07.5	275	22	10.5	09.1	276
2.1 ,,	31	09.4	08.2	278	18	08.4	07.1	274
3.0 ,,	30	09.7	08.1	273	11	07.0	03.5	269
3.6 ,,	29	08.7	06.8	273	04	04.5	02.1	229
4.5 ,,	29	07.6	05.9	285	01	09.0	09.0	195
5.4 ,,	28	07.2	04.1	279				
6.0 ,,	28	06.7	03.5	294				
7.2 ,,	28	06.6	02.3	046				
9.0 ,,	28	08.7	05.7	068				

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

JULY,1967.(ASADHA 10 - SRAVANA 9,1889 SAKA)

STATION	AHMADABAD								ALLAHABAD/BAMIRAULI				ANANTAPUR				BANGALORE							
TIME IN I.S.T.	0530*				1730*				0530				0530				0530@				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	28	11.5	11.1	090	26	12.2	12.0	082	01	05.0	05.0	145	01	19.0	19.0	095	01	15.0	15.0	090	01	11.0	11.0	095
12.0	27	15.8	15.2	084	24	16.1	14.6	086									01	25.0	25.0	083	01	21.0	21.0	095
14.1	24	23.0	22.3	085	20	24.0	22.3	086									01	38.0	38.0	092	01	35.0	35.0	090
16.2	20	29.6	28.3	081	14	31.0	30.7	084																
18.0	10	28.0	27.5	085	07	38.3	38.2	082																
21.0	02	34.5	33.5	090	02	22.0	20.0	100																
24.0																								
27.0																								
30.0																								
33.0																								

STATION	BANGALORE				BAREILLY				BEGAMPET												BHOPAL/BAIRAGARH			
TIME IN I.S.T.	1730@				0530				0530				1130				1730				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	01	10.0	10.0	105	03	04.7	04.3	075	29	10.6	09.2	079	01	10.0	10.0	105	31	12.5	11.6	081	01	14.0	14.0	080
12.0					02	10.0	09.5	041	28	17.0	16.4	079	01	08.0	08.0	115	31	20.0	19.5	086				
14.1									28	28.4	27.9	078					31	29.8	29.1	081				
16.2									29	38.8	38.3	085					31	35.4	34.5	085				
18.0									26	25.5	25.2	085					24	26.6	26.1	082				
21.0									15	20.9	19.4	075					18	19.1	18.0	088				
24.0									08	21.1	20.9	092					06	18.7	18.1	094				
27.0									03	28.3	27.9	101					02	27.0	26.9	089				
30.0																								
33.0																								

STATION	BOMBAY/SANTACRUZ								CALCUTTA/DUM DUM								DEHRADUN							
TIME IN I.S.T.	0530*				1730*				0530*				1730*				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	27	15.3	14.6	086	28	14.6	14.3	089	30	12.5	11.3	095	31	11.2	09.9	089	01	09.0	09.0	265	01	01.0	01.0	011
12.0	27	20.7	20.4	089	28	22.2	21.5	090	28	15.4	14.5	087	31	15.3	14.3	090	01	13.0	13.0	260	01	03.0	03.0	005
14.1	22	29.5	28.6	089	25	30.5	30.0	092	27	19.5	18.5	081	29	18.0	16.8	078					01	10.0	10.0	035
16.2	18	29.1	28.4	090	21	35.2	33.3	087	26	25.8	24.8	082	27	26.8	25.1	083								
18.0	10	29.7	29.1	096	10	27.9	27.7	102	18	27.6	27.3	083	14	27.1	26.5	086								
21.0	05	13.6	13.0	112	03	18.7	18.3	102	11	24.3	24.1	081	09	24.3	24.1	092								
24.0									01	39.0	39.0	090	01	20.0	20.0	075								
27.0																								
30.0																								
33.0																								

STATION	DIBRUGARH/MOHANBARI				GADAG				GANGTOK				GAUHATI								GOPALPUR			
TIME IN I.S.T.	1730				0530				0530				0530*				1730*				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	01	06.0	06.0	270	01	15.0	15.0	085	03	08.0	03.4	048	28	08.6	05.0	078	30	07.5	03.5	070	01	24.0	24.0	085
12.0	01	01.0	01.0	036	01	21.0	21.0	105	03	08.3	02.1	117	26	10.0	06.0	071	30	09.0	04.8	058	01	16.0	16.0	065
14.1					01	35.0	35.0	095	02	11.0	09.7	028	24	22.4	14.6	070	25	10.2	08.3	087				
16.2									02	15.5	15.5	048	15	16.7	15.0	083	15	19.3	15.6	069				
18.0													08	23.4	23.3	086	03	24.0	22.8	083				
21.0													03	22.3	22.3	094								
24.0													01	42.0	42.0	090								
27.0																								
30.0																								
33.0																								

STATION	GWALIOR				JAIPUR				JODHPUR								LUCKNOW/AMAUSI							
TIME IN I.S.T.	0530				0530				0530*				1730*				0530*				1730 *			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	03	08.0	07.6	058	01	01.0	01.0	143	26	09.5	08.5	093	26	09.9	08.6	094	29	07.9	06.5	085	30	08.9	05.5	080
12.0	02	11.5	11.3	064					26	09.7	08.3	098	25	11.2	10.2	099	25	12.4	10.6	086	27	10.3	08.9	080
14.1	02	15.0	13.4	081					25	12.2	10.6	098	21	15.1	04.4	246	23	12.3	10.0	082	25	14.5	11.7	085
16.2	02	09.5	09.5	060					23	17.0	16.1	092	13	30.0	29.0	092	11	18.6	16.6	079	18	21.4	18.2	083
18.0									12	17.1	16.9	088	12	21.2	20.9	095	03	19.0	19.0	074	13	24.0	19.1	087
21.0									08	19.1	18.5	098	06	15.0	14.7	103					07	17.4	14.4	088
24.0									05	17.0	17.0	089	03	23.7	23.6	092					01	46.0	46.0	080
27.0													01	24.0	24.0	105								
30.0																								
33.0																								

STATION	MADRAS/MINAMBAKKAM												MINICOY				NAGPUR/SONEGAON							
TIME IN I.S.T.	0530*				1130				1730*				1730				0530*				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	28	15.3	14.6	090	04	16.3	16.2	096	25	12.3	10.5	089	30	15.5	14.3	080	31	13.7	12.8	088	29	13.1	11.8	089
12.0	23	25.6	25.2	085	02	27.0	27.0	093	25	18.8	17.9	081	30	24.1	23.3	070	31	18.3	17.5	082	29	16.9	14.7	093
14.1	17	34.8	34.4	081	01	38.0	38.0	090	13	32.5	30.5	090	27	35.7	35.1	075	25	24.6	22.9	079	27	27.2	26.2	085
16.2	07	37.0	36.7	081					09	38.6	38.3	091	24	34.6	34.0	079	22	27.7	26.8	080	23	35.0	34.3	080
18.0	01	29.0	29.0	090					02	20.5	19.5	086	16	13.4	12.9	079	13	25.9	25.6	080	13	31.8	31.3	089
21.0													07	13.3	11.4	093	07	30.0	27.3	083	05	25.3	25.1	091
24.0													04	19.8	19.7	091	01	18.0	18.0	082	01	22.0	22.0	025
27.0																								
30.0																								
33.0																								

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

JULY,1967.(ASADHA 10 - SRAVANA 9,1889 SAKA)

STATION	NEW DELHI/SAFDARJUNG								PORT BLAIR								RAIPUR				RAXAUL			
TIME IN I.S.T.	0530*				1730*				0530*				1730*				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	29	07.0	03.7	085	30	06.6	02.2	067	28	13.6	13.2	064	27	13.7	12.6	057	02	14.5	14.5	088	02	09.0	08.5	058
12.0	29	08.8	05.4	091	29	08.5	04.8	090	26	20.1	17.4	060	27	20.9	20.0	054	01	32.0	32.0	095	01	13.0	13.0	010
14.1	29	09.5	06.5	080	28	10.9	07.1	085	21	26.6	25.7	067	21	29.0	28.2	063	01	38.0	38.0	090	01	16.0	16.0	050
16.2	27	12.1	10.3	060	25	12.5	10.4	087	15	31.2	30.6	076	19	32.2	31.5	077					01	16.0	16.0	045
18.0	24	13.8	13.0	075	19	12.8	12.4	094	07	21.6	21.3	081	09	20.5	20.2	083								
21.0	16	14.6	14.1	085	15	14.9	14.8	091	04	12.3	07.7	052	05	17.6	17.5	087								
24.0	09	17.3	17.2	089	05	16.0	15.9	090	01	12.0	12.0	104	01	16.0	16.0	065								
27.0	06	21.0	20.6	093																				
30.0	01	16.0	16.0	090																				
33.0																								

STATION	SRINAGAR								TRIVANDRUM								UDAIPUR				VIJAYWADA/GANNAVARAM			
TIME IN I.S.T.	0530*				1730*				0530*				1730*				0530				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	26	15.6	12.7	277	24	16.0	13.0	270	30	12.5	09.9	070	30	14.6	12.8	084	01	15.0	15.0	090	03	10.0	09.9	082
12.0	25	16.3	13.9	275	21	15.4	12.6	270	29	17.6	16.4	077	30	22.4	21.1	077	01	09.0	09.0	100	03	12.3	12.2	087
14.1	18	13.8	11.2	286	13	14.4	12.6	283	20	21.9	20.3	074	23	32.8	31.9	078					01	20.0	20.0	090
16.2	06	09.0	05.5	246	03	12.0	10.1	338	09	25.3	20.8	069	13	25.5	24.2	086					01	35.0	35.0	075
18.0													05	17.4	16.6	075					01	23.0	23.0	100
21.0													01	17.0	17.0	065					01	08.0	08.0	155
24.0																								
27.0																								
30.0																								
33.0																								

STATION	VISHAKHAPATNAM																							
TIME IN I.S.T.	0530*				1130				1730*															
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	23	13.4	09.5	083	01	10.0	10.0	100	24	12.6	11.0	078												
12.0	23	20.0	16.3	072	01	20.0	20.0	105	24	18.2	16.9	087												
14.1	17	27.0	24.6	074	01	29.0	29.0	095	15	28.4	27.4	076												
16.2	10	37.0	36.5	070					11	35.5	33.4	079												
18.0	03	30.7	30.6	083					03	21.3	20.8	083												
21.0	01	13.0	13.0	091																				
24.0																								
27.0																								
30.0																								
33.0																								

RADIOSONDE DATA

During the month, observations of upper air temperature, pressure and humidity were made at 16 stations in India as given in the list below. For detailed description of the instruments used, a reference may be made to the I.M.D. Scientific Notes Nos. 112 and 113 (Volume IX).

List of Radiosonde Stations in India

Name of station	Type of instrument used	Date of starting	Hours of routine observations in GMT during the month	Remarks
Ahmadabad	Fan type	20th Jul. 1961	00 and 12	
Bangalore	Fan type	10th Mar. 1961	00 and 12	
Bombay/Santa Cruz	Clock type	7th Sep. 1954	00 and 12	
Calcutta/Dum Dum	Clock type	13th Dec. 1946	00 and 12	Fan type used from 13.12.1946 to 30.11.1947.
Ernakulam	Fan type	1st Aug. 1966	00 and 12	
Gauhati	Clock type	22nd Jul. 1955	00 and 12	
Jodhpur	Clock type	17th Apr. 1946	00 and 12	
Lucknow	Clock type	15th Aug. 1966	00 and 12	
Madras/Minambakkam	Fan type	29th Jun. 1946	00 and 12	
Minicoy	Fan type	12th May. 1963	12	
Nagpur/Sonegaon	Fan type	1st Oct. 1946	00 and 12	
New Delhi/Safdarjung	Clock type	3rd Dec. 1943	00 and 12	
Port Blair	Fan type	4th Dec. 1949	00 and 12	
Srinagar	Clock type	1st Aug. 1962	00 and 12	
Trivandrum	Fan type	1st Jul. 1947	00 and 12	
Visakhapatnam	Fan type	8th Dec. 1946	00 and 12	

RADIO SONDE DATA

TABLE VI-MEAN DYNAMIC HEIGHT,TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE

A ( ) FROM ASCENTS AT 00 HRS G.M.T.

JULY,1967.(ASADHA 10 - SRAVANA 9,1889 SAKA)

STANDARD PRESSURE SURFACE MB	AHMADABAD SURFACE PR (992 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BANGALORE (906 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BOMBAY/SANTACRUZ (1000 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00055	299.3	302	297	297.3	31	00921	292.5	294	291	291.6	31	00013	299.4	301	297	297.3
1000	31	-0012					31	00070					30	00015	299.4	301	297	297.1
900	31	00914	295.0	298	292	292.2	31	00981	292.2	293	291	291.2	29	00941	294.4	297	292	292.0
850	31	01410	292.6	295	289	289.7	31	01475	289.8	292	288	288.5	29	01436	291.8	294	289	289.5
800	31	01932	290.3	294	288	285.9	31	01993	287.6	290	285	285.7	29	01957	288.8	293	285	287.0
700	31	03066	286.3	290	282	279.3	31	03119	282.8	287	279	279.7	29	03085	285.5	287	282	280.2
600	31	04350	280.0	292	277	272.1	31	04381	275.7	279	272	272.9	29	04361	277.9	281	274	274.0
500	31	05826	271.4	274	268		31	05838	267.7	271	264		29	05827	270.2	275	266	
400	30	07575	262.6	266	257		31	07509	257.2	262	252		28	07566	260.3	264	255	
300	30	09683	248.6	253	243		31	09668	292.1	248	235		28	09706	246.1	251	243	
250	30	11043	239.5	245	233		30	10940	232.5	237	227		28	10997	236.6	243	225	
200	27	12566	227.5	235	219		30	12423	220.3	225	212		28	12509	224.8	232	219	
175	27	13443	220.9	229	213		26	13271	214.1	220	206		23	13371	218.2	225	213	
150	26	14437	213.7	222	208		26	14237	207.4	214	199		23	14344	211.2	215	207	
125	23	15552	205.7	214	201		23	15329	201.5	209	196		21	15434	203.7	209	199	
100	19	16894	198.8	210	193		21	16635	195.1	204	191		20	16755	198.7	209	192	
80	17	18189	200.9	210	191		14	18081	204.0	209	199		15	18082	201.0	205	193	
70	14	18973	205.4	213	195		14	18810	208.2	215	200		11	18860	203.5	207	196	
60	11	19969	211.2	219	199		14	19718	211.0	219	203		09	19781	207.6	212	204	
50	08	21128	210.7	226	216		12	20887	213.7	222	201		07	20907	211.6	217	209	
40							09	22270	216.0	225	209							
30							05	24000	219.2	221	217							
20																		
10																		

STANDARD PRESSURE SURFACE MB	CALCUTTA/DUM DUM SURFACE PR (998 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	ERNAKULAM (1007 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	GAUHATI (995 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00006	299.7	302	298	298.7	31	00003	297.4	299	296	295.7	31	00049	299.3	302	298	298.3
1000	31	-0008	299.5	301	298	298.5	31	00066	296.9	299	295	295.4	31	00007				
900	31	00922	296.0	299	294	293.5	31	00986	292.4	295	290	290.7	30	00930	296.3	298	293	294.0
850	31	01420	293.6	298	291	291.2	31	01478	289.7	291	287	287.6	30	01426	294.0	297	291	291.3
800	31	01945	291.2	295	289	288.7	31	01995	287.0	289	285	284.4	30	01948	291.2	294	288	289.0
700	31	03081	285.5	287	283	282.7	31	03113	281.6	285	279	277.4	30	03082	285.8	289	283	283.3
600	31	04365	279.1	281	276	276.5	31	04377	275.4	279	272	271.4	30	04363	279.7	283	275	276.9
500	31	05842	271.4	274	268	269.1	30	05833	267.9	271	265		30	05842	271.8	275	267	270.3
400	31	07571	262.6	267	258		30	07550	256.9	260	254		30	07593	262.7	267	257	
300	31	10947	248.7	256	244		30	09656	241.5	247	237		29	09757	249.6	257	242	
250	30	11056	239.3	246	235		30	10925	232.3	239	225		26	11055	240.0	247	231	
200	29	12581	227.4	233	219		30	12406	220.0	225	213		26	12587	228.2	237	222	
175	29	13457	220.3	227	211		29	13249	213.7	218	205		26	13463	221.5	229	215	
150	28	14437	212.9	220	200		28	14213	207.0	212	201		24	14457	214.2	223	208	
125	27	15545	205.2	213	195		24	15292	200.7	207	192		21	15606	207.7	221	200	
100	26	16874	198.5	209	192		20	16631	197.5	203	191		20	16946	201.7	209	197	
80	24	18174	199.3	215	188		15	17941	203.0	209	201		15	18291	203.1	209	199	
70	22	18959	202.3	218	190		13	18748	206.5	209	203		14	19108	205.5	210	197	
60	22	19885	206.0	223	197		11	19704	209.6	216	204		10	20046	209.6	219	199	
50	18	21005	208.1	217	201		10	20829	213.4	220	209		08	21173	214.0	219	200	
40	12	22383	212.3	220	201		06	22222	216.5	218	214							
30	05	24167	217.0	222	213													
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STANDARD PRESSURE SURFACE MB	JODHPUR SURFACE PR (970 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	LUCKNOW/AMAUSI (983 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	MADRAS/MINAMBAKKAM (1002 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00217	301.2	304	297	296.8	31	00127	301.1	305	299	297.4	31	00015	299.8	303	297	295.5
1000	31	00052					31	-0023					29	00032	299.8	302	297	294.8
900	29	00877	297.1	301	294	293.6	31	00410	298.4	301	294	293.7	29	00953	295.8	299	292	290.2
850	29	01373	294.6	300	290	290.4	31	01411	295.3	299	291	290.9	29	01453	293.5	297	291	288.5
800	29	01896	292.6	300	289	287.5	31	01955	292.3	296	288	288.5	29	01974	290.4	294	287	286.7
700	29	03036	287.5	294	280	279.3	31	03071	285.9	289	283	281.8	29	03102	284.0	287	280	280.1
600	29	04321	280.4	283	277	270.9	31	04351	280.2	283	276	274.8	29	04371	276.5	280	274	272.6
500	29	05797	272.1	275	265	260.7	31	05863	271.9	275	269	265.6	29	05831	269.3	272	266	
400	29	07555	262.7	271	256		31	07581	262.9	266	259		28	07560	258.8	263	255	
300	29	09711	248.6	252	239		31	09745	249.4	255	243		26	09682	244.1	249	239	
250	29	11017	239.3	243	234		28	11054	242.6	253	235		24	10963	235.1	239	230	
200	29	12543	227.7	232	222		27	12582	228.3	234	222		24	12464	223.5	229	218	
175	27	13410	220.3	227	215		26	13479	221.7	226	215		19	13372	217.7	223	212	
150	26	14404	213.0	221	205		23	14437	213.6	221	207		17	14307	211.2	216	205	
125	25	15527	205.7	213	198		22	15554	206.1	213	198		14	15387	204.8	210	198	
100	24	16845	199.3	205	194		19	16808	199.4	207	191		12	16751	200.4	207	192	
80	17	18156	199.9	208	192		15	18191	199.5	206	194		08	18057	202.6	211	197	
70	13	19052	205.7	212	198		14	18981	202.4	211	194		07	18878	208.1	214	205	
60	11	19886	209.9	215	207		09	19900	209.1	217	202		05	19722	212.6	217	208	
50	08	21003	213.8	216	211		08	21275	215.3	222	211							
40	08	22426	220.3	226	216		08	22466	219.0	225	212							
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RADIO SONDE DATA

TABLE VI-MEAN DYNAMIC HEIGHT,TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE

( ) FROM ASCENTS AT 00 HRS G.M.T.

JULY,1967.(ASADHA 10 - SRAVANA 9,1889 SAKA)

STANDARD PRESSURE SURFACE MB	NAGPUR/SONEGAON SURFACE PR (965 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NEW DELHI/SAFDARJUNG (974 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	PORT BLAIR (997 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00311	297.8	301	296	295.9	31	00209	301.2	305	298	297.3	31	00079	298.3	300	296	296.5
1000	31	00017					30	-0029					31	00055				
900	31	00927	295.7	301	291	293.1	30	00905	298.7	303	294	292.4	31	00973	294.2	297	292	291.9
850	31	01424	292.6	295	285	290.5	30	01406	296.0	301	291	289.3	31	01465	291.8	295	290	285.6
800	31	01945	289.8	293	287	287.9	30	01933	292.9	298	289	288.0	31	01982	289.1	293	286	285.5
700	31	03074	284.0	287	279	281.4	30	03070	286.6	292	283	281.1	31	03102	284.0	288	281	279.2
600	31	04348	277.5	281	273	274.1	30	04352	279.3	283	275	272.9	30	04372	276.5	282	272	272.9
500	31	05813	269.8	273	263	268.0	30	05829	271.9	277	268	266.0	30	05827	268.6	272	264	
400	31	07548	260.4	267	255		30	07578	262.7	268	258		30	07549	258.3	261	254	
300	31	09686	246.1	253	241		29	09733	248.4	255	243		28	09667	245.1	249	238	
250	31	10984	236.9	243	233		29	11035	238.6	246	232		28	10946	235.5	241	229	
200	31	12481	224.8	231	220		29	12565	227.0	237	219		26	12414	224.0	233	213	
175	28	13351	218.9	225	214		29	13441	220.0	232	212		22	13324	217.4	224	207	
150	28	14328	211.7	220	205		28	14419	213.3	225	204		20	14285	210.2	214	201	
125	25	15423	206.8	214	197		27	15543	205.7	219	195		20	15394	203.6	214	195	
100	25	16779	200.1	213	191		26	16860	200.0	213	189		16	16706	202.0	210	194	
80	19	18032	204.2	214	191		25	18162	201.2	209	191		08	18016	202.4	213	195	
70	15	18880	206.4	214	197		24	18970	204.8	214	196		08	18798	203.5	211	197	
60	11	19898	209.1	218	188		22	19877	209.4	217	199		08	19739	207.2	214	203	
50	09	20924	215.3	221	209		18	20969	214.8	220	206		07	20827	209.6	216	202	
40	05	22288	217.6	223	213		14	22392	220.1	228	208		05	22197	211.0	215	204	
30							12	24298	224.7	232	220							
20							07	26930	229.4	236	224							
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STANDARD PRESSURE SURFACE MB	SRINAGAR SURFACE PR (833 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	TRIVANDRUM (1000 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	VISHAKHAPATNAM (996 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	27	01588	293.1	297	290	291.6	31	00064	297.5	299	297	295.3	31	00041	299.9	303	297	297.5
1000	27	-0085					31	00067	297.5	299	296	295.3	31	00004				
900	27	00921					31	00987	292.7	295	288	290.8	31	00930	295.7	300	293	292.5
850	27	01420					31	01479	290.3	293	287	287.8	31	01427	293.5	298	290	290.0
800	27	01936	292.5	297	288	288.3	31	01996	287.7	291	284	283.9	31	01949	291.0	295	287	287.3
700	27	03074	286.2	290	283	282.4	31	03118	282.4	285	279	278.0	31	03080	284.5	289	281	281.5
600	27	04352	278.3	283	275	274.6	31	04385	276.2	281	271	271.7	31	04352	276.8	281	273	274.2
500	27	05815	269.5	277	265		31	05842	267.8	273	261		31	05816	269.6	273	266	
400	27	07555	261.5	268	256		31	07564	257.2	263	251		31	07551	260.1	265	256	
300	27	09709	248.2	254	243		30	09676	242.1	249	239		30	09698	246.2	250	241	
250	27	11012	239.1	244	235		30	10945	232.8	241	228		29	10984	236.4	241	230	
200	26	12551	228.5	235	222		29	12430	220.6	225	216		29	12494	224.5	231	221	
175	22	13431	222.4	235	215		26	13257	214.0	219	208		21	13337	217.7	225	214	
150	20	14409	215.0	221	211		26	14227	207.4	215	199		20	14296	210.7	221	205	
125	18	15535	208.0	216	202		23	15286	200.2	208	193		15	15380	203.5	210	201	
100	15	16890	203.6	210	199		21	16615	208.5	206	193		14	16711	199.1	202	194	
80	12	18218	204.3	215	198		13	17939	204.5	211	198		08	18033	201.2	207	197	
70	08	19049	208.0	216	200		11	18730	207.0	214	201		05	18856	204.2	217	201	
60	07	19975	212.5	223	207		08	19711	210.4	217	203							
50	06	21317	220.5	227	213		07	20809	213.3	221	207							
40																		
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RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(3) FROM ASCENTS AT 12 HRS G.M.T.
JULY, 1967. (ASADHA 10 - SRAVANA 9, 1889 SAKA)

STANDARD PRESSURE SURFACE MB	AHMADABAD SURFACE PR (991 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BANGALORE (905 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BOMBAY/SANTACRUZ (1000 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00055	304.6	309	301	298.2	31	00921	298.1	304	293	292.5	31	00013	301.0	304	297	297.6
1000	31	-0024					31	00045					29	00014	301.2	304	297	297.5
900	31	00914	298.2	301	295	292.7	31	00970	297.2	303	293	292.9	29	00941	294.3	297	293	292.0
850	31	01415	295.0	298	292	289.9	31	01471	293.1	298	288	289.8	29	01437	291.7	294	289	289.3
800	31	01940	292.1	295	289	287.4	31	01960	289.5	293	286	287.0	29	01958	289.3	292	286	286.3
700	31	03075	286.8	292	283	279.7	31	03116	283.3	287	279	281.3	29	03087	285.1	289	281	280.4
600	31	04362	280.5	284	277	272.2	31	04354	276.7	282	276	274.8	29	04367	278.9	282	275	274.5
500	30	05843	272.8	279	270	261.7	31	05846	268.8	273	265		29	05840	271.3	275	267	
400	29	07600	263.2	269	258		31	07593	258.8	265	255		29	07587	261.8	266	259	
300	28	09770	249.7	255	243		31	09696	243.5	251	239		29	09739	247.4	252	244	
250	27	11075	240.3	246	234		31	10974	234.8	241	230		28	11036	238.1	243	231	
200	27	12614	229.2	235	220		30	12441	222.9	232	217		28	12556	225.7	231	218	
175	23	13519	223.5	230	215		26	13260	216.0	223	205		26	13429	219.3	224	209	
150	21	14521	216.4	223	210		24	14282	209.4	217	202		26	14407	212.6	220	201	
125	16	15662	209.9	219	203		20	15393	202.0	209	196		25	15533	205.5	216	195	
100	14	16995	201.6	209	193		18	16687	197.0	203	191		24	16847	197.8	206	194	
80	11	18347	201.1	207	191		14	18028	201.0	204	193		14	18165	200.0	205	194	
70	09	19164	205.6	211	193		12	18786	204.0	208	200		12	18945	204.2	209	200	
60	08	20110	210.9	219	199		11	19766	206.7	215	201		10	19910	209.0	213	200	
50	06	21171	213.5	218	207		09	20824	208.7	212	206		06	21026	214.7	220	203	
40							07	22206	211.4	215	207							
30							05	24149	213.2	217	209							
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STANDARD PRESSURE SURFACE MB	CALCUTTA/DUM DUM SURFACE PR (997 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	ERNAKULAM (1006 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	GAUHATI (993 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00006	302.5	305	298	299.7	31	00003	300.2	303	297	297.4	31	00049	302.6	305	299	302.1
1000	31	-0023	302.8	304	302	299.0	31	00059	299.7	302	297	297.0	31	-0015				
900	31	00914	297.5	301	295	294.8	31	00984	293.6	296	291	291.0	31	00919	297.9	302	296	295.0
850	31	01415	295.0	299	292	291.8	31	01478	291.3	294	288	288.2	31	01420	295.0	299	293	292.1
800	31	01941	292.5	297	290	288.9	31	01997	288.1	291	285	285.2	31	01944	292.5	297	288	289.1
700	31	03083	287.0	292	285	283.1	31	03120	283.0	286	279	278.2	31	03083	286.4	290	282	283.2
600	31	04373	280.6	285	278	276.3	31	04389	276.3	280	272	272.3	31	04367	280.5	283	276	276.0
500	31	05859	272.6	275	269	269.2	31	05849	268.8	272	264		31	05842	270.6	276	269	267.9
400	31	07613	262.7	266	260		31	07574	257.8	263	254		31	07597	262.1	267	259	
300	31	09775	249.2	253	246		31	09690	243.1	247	238		31	09700	250.0	255	245	
250	31	11088	240.1	244	235		30	10970	234.0	237	229		30	11077	240.1	247	235	
200	31	12618	228.2	233	222		30	12463	222.1	227	216		30	12689	228.1	233	223	
175	31	13496	220.8	226	211		27	13313	215.4	221	198		29	13483	221.7	229	215	
150	30	14477	212.8	221	203		27	14281	209.3	214	202		29	14445	215.6	222	207	
125	29	15590	205.0	213	198		22	15360	201.7	208	194		29	15572	206.0	217	195	
100	27	16909	197.3	204	191		20	16701	198.9	203	192		22	16932	200.4	208	191	
80	21	18194	197.4	210	189		16	18010	204.5	209	198		16	18265	196.7	208	191	
70	20	18985	200.7	212	193		16	18821	208.2	212	203		14	19059	202.7	213	197	
60	16	19889	203.9	214	196		13	19780	211.6	215	206		10	20027	207.5	217	195	
50	15	21007	209.5	218	203		09	20937	214.5	219	206		10	21146	211.5	223	201	
40	12	22423	214.3	225	208								06	22523	216.7	225	205	
30	08	24274	216.6	228	211													
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STANDARD PRESSURE SURFACE MB	JODHPUR SURFACE PR (968 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	LUCKNOW/AMAUSI (982 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	MADRAS/MINAMBAKKAM (1000 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00217	306.4	309	301	297.2	31	00127	303.5	309	300	297.7	30	00015	305.3	311	301	295.6
1000	31	-0072					31	-0036					25	00019	304.2	309	301	296.1
900	31	00870	300.9	305	296	293.6	30	00904	300.3	305	297	293.0	28	00952	298.1	303	294	292.7
850	31	00372	297.2	301	293	291.2	30	01407	296.8	301	294	291.3	28	01451	294.8	299	293	290.3
800	31	01898	293.9	297	291	289.0	30	01935	293.8	297	291	288.7	28	01975	291.0	295	288	287.2
700	31	03041	289.2	295	285	279.3	30	03078	287.8	290	285	280.9	28	03105	284.0	287	281	272.9
600	31	04330	281.4	285	279	272.6	30	04369	281.4	286	278	273.9	28	04375	277.0	281	275	272.6
500	31	05812	273.5	277	271	259.6	30	05852	274.1	279	270	264.4	27	05835	269.1	273	263	
400	31	07574	264.4	269	261		30	07621	264.5	269	260		27	07564	259.0	261	253	
300	29	09747	250.1	257	244		30	09797	250.8	255	247		25	09689	243.3	247	240	
250	28	11060	240.8	247	233		29	11113	241.8	246	238		25	10968	234.8	239	230	
200	28	12609	229.8	237	224		27	12643	227.6	235	225		25	12466	223.0	227	219	
175	27	13480	222.6	232	214		25	13531	222.6	230	218		19	13306	217.3	222	213	
150	24	14467	215.5	225	203		24	14516	215.0	222	210		17	14288	210.5	216	205	
125	23	15608	208.8	215	202		22	15625	207.9	215	201		17	15372	203.5	214	198	
100	18	16965	202.9	210	197		20	16987	200.9	207	192		15	16714	198.0	204	193	
80	16	18314	202.5	212	192		15	18264	199.6	209	193		14	18022	202.1	211	196	
70	15	19117	205.0	214	198		11	19051	201.7	214	198		10	18799	205.8	216	198	
60	13	20026	210.5	222	201		09	19988	207.0	215	202		08	19702	207.7	214	202	
50	12	21152	216.9	226	209		08	21067	209.3	215	198							
40	10	22558	220.2	225	216		07	22450	215.7	222	212							
30	06	24536	222.5	228	216													
20																		
10																		

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT,TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(◎ FROM ASCENTS AT 12 HRS G.M.T.
JULY,1967.(ASADHA 10 - SRAVANA 9,1889 SAKA)

STANDARD PRESSURE SURFACE MB	MINICOY SURFACE PR (1007 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NAGPUR/SONEGAON (964 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NEW DELHI/SAFDAR JUNG (972 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00002	301.9	304	299	298.1	31	00316	302.4	309	297	296.4	31	00209	305.1	311	300	298.6
1000	31	00062	300.9	303	297	297.7	29	-0020					31	-0044				
900	31	00980	294.1	297	291	291.0	29	00920	297.9	304	294	294.9	31	00899	300.1	305	295	294.2
850	31	01473	291.5	295	288	287.6	29	01422	293.8	299	291	291.4	31	01403	297.0	301	293	291.3
800	31	01991	288.9	293	285	283.5	29	01945	290.3	293	287	288.2	31	01931	293.7	297	291	288.6
700	31	03112	282.3	287	278	277.5	29	03036	284.9	293	281	282.1	31	03071	286.9	290	284	281.2
600	31	04376	275.7	280	273	271.5	29	04352	277.8	282	275	275.6	31	04358	280.3	283	277	273.5
500	31	05834	268.5	271	265		29	05821	270.1	273	265		31	05840	273.0	279	270	263.1
400	31	07556	257.9	262	253		29	07556	259.9	264	251		31	07599	263.6	268	259	
300	30	09675	243.5	249	238		29	09691	246.1	251	241		31	09768	249.9	256	246	
250	30	10953	234.6	242	227		29	10914	237.3	243	233		30	11080	240.8	248	236	
200	30	12447	222.6	233	210		28	12482	224.5	231	219		29	12623	229.8	237	225	
175	29	13301	216.9	228	202		28	13354	214.1	225	211		29	13513	223.7	231	217	
150	28	14288	211.3	223	199		28	14325	211.3	219	204		28	14509	217.1	225	210	
125	28	15381	206.1	217	197		25	15426	206.5	213	199		28	15646	209.3	220	200	
100	26	16747	204.3	215	194		25	16569	200.2	206	194		23	17007	203.7	212	195	
80	22	18102	208.1	220	197		15	18023	202.6	207	194		21	18316	201.9	211	194	
70	18	18853	211.1	221	202		13	18889	204.6	213	195		19	19096	205.1	215	198	
60	12	19905	212.2	223	203		08	19796	207.3	219	187		15	20037	210.7	219	204	
50	08	21060	213.6	224	208		06	20847	207.7	220	198		14	21171	215.7	222	207	
40	07	22479	217.1	226	211								12	22574	221.3	233	211	
30																		
20																		
10																		

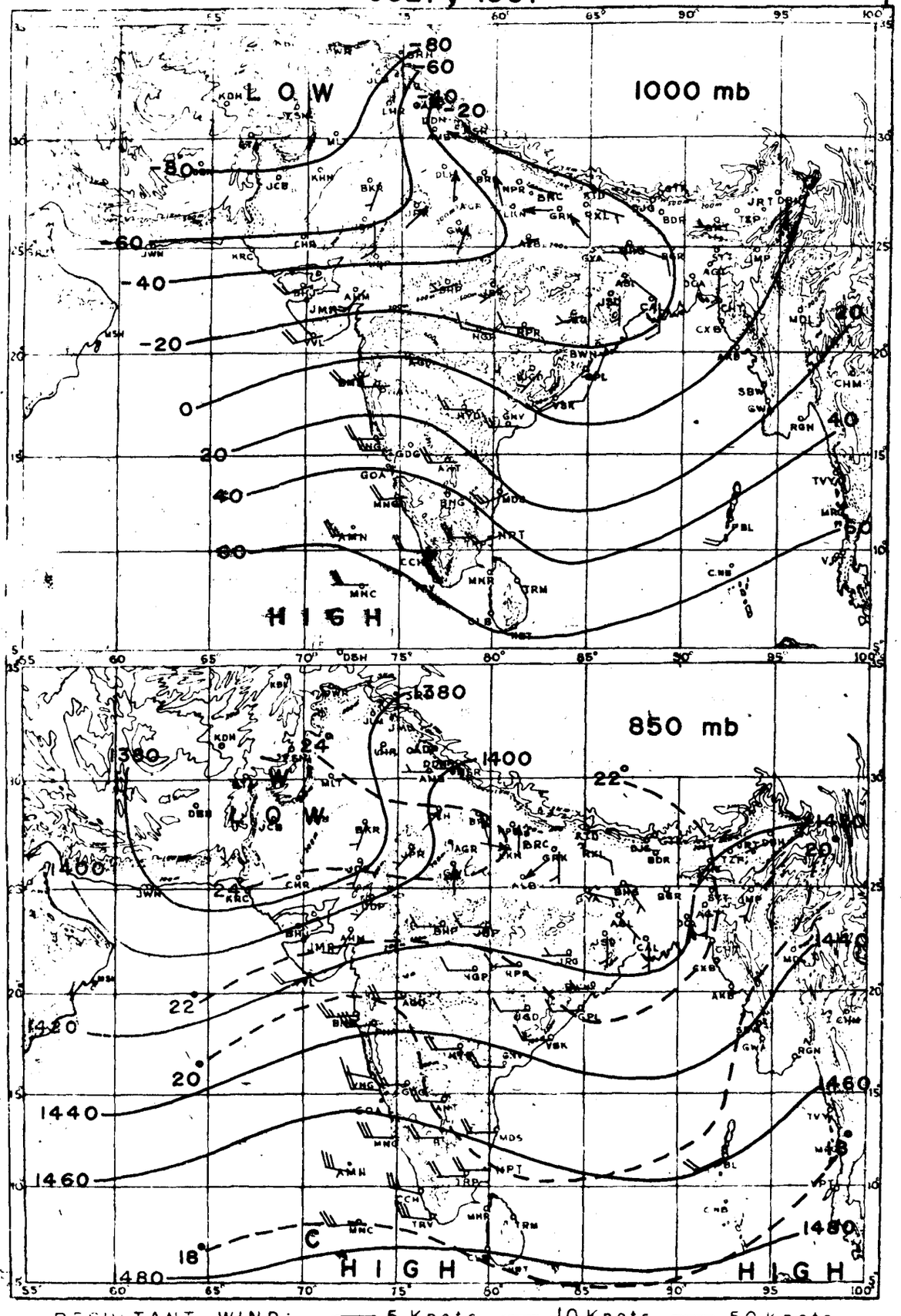
STANDARD PRESSURE SURFACE MB	PORT BLAIR SURFACE PR (997 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	SRINAGAR (830 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	TRIVENDRUM (999 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00079	299.3	302	296	297.0	27	01588	301.9	306	294	292.6	31	00064	300.3	303	297	296.1
1000	31	00050					27	-0085					31	00059	300.0	302	297	295.8
900	31	00965	294.2	298	292	291.8	27	00869					31	00984	293.7	297	291	290.4
850	31	01460	291.9	295	287	288.3	27	01379					31	01478	291.0	294	289	288.0
800	31	01979	288.6	292	285	285.3	27	01915	300.0	306	292	288.4	31	01995	288.6	293	285	285.2
700	31	03097	283.1	287	279	279.7	27	03077	291.9	297	287	281.1	31	03123	283.4	286	280	278.9
600	30	04362	276.5	281	272	271.1	27	04377	282.0	288	277	274.8	31	04395	277.0	281	271	272.3
500	30	05821	268.8	273	263		26	05856	272.6	279	267	267.0	30	05861	268.6	273	265	
400	31	07559	259.5	263	253		26	07610	263.3	271	258		30	07584	257.9	263	254	
300	30	09678	244.4	251	237		24	09772	250.0	255	246		30	09699	243.3	247	238	
250	28	10954	235.1	239	228		22	11087	240.6	246	235		30	10974	233.6	238	229	
200	28	12450	222.5	228	213		21	12628	229.9	235	224		30	12463	221.5	226	216	
175	26	13306	215.8	223	207		20	13522	223.7	228	217		26	13312	215.4	223	208	
150	23	14280	209.1	213	201		15	14529	216.0	221	207		26	14287	208.4	215	200	
125	22	15404	202.6	209	195		12	15647	209.8	215	203		22	15343	201.6	211	193	
100	16	16628	199.1	205	193		12	17011	203.7	209	198		19	16678	198.4	206	194	
80	10	18024	204.6	213	198		08	18352	203.4	208	197		11	17977	202.6	206	197	
70	05	18826	206.0	211	203		08	19150	208.4	215	200		09	18745	205.2	210	199	
60	05	19759	209.4	217	207		06	20131	214.5	220	209		05	19717	207.6	212	202	
50	05	20875	211.6	217	209													
40																		
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	VISAKHAPATNAM SURFACE PR (994 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00041	302.5	306	299	298.0												
1000	31	-0008																
900	31	00930	296.9	301	292	293.6												
850	31	01426	294.0	297	290	290.8												
800	31	01949	291.4	295	288	288.2												
700	31	03083	284.6	289	280	282.0												
600	31	04359	278.4	283	274	275.2												
500	31	05831	270.3	275	265	264.5												
400	31	07569	260.7	264	255													
300	31	09715	246.1	251	243													
250	30	11008	237.3	242	231													
200	29	12519	225.0	230	216													
175	22	13365	219.1	224	212													
150	21	14371	213.5	219	207													
125	19	15469	206.6	215	202													
100	16	16822	200.7	209	196													
80	08	18178	204.6	209	201													
70	06	19013	207.7	215	203													
60																		
50																		
40																		
30																		
20																		
10																		

MONTHLY MEAN CONSTANT PRESSURE CHARTS

JULY, 1967

Plate I

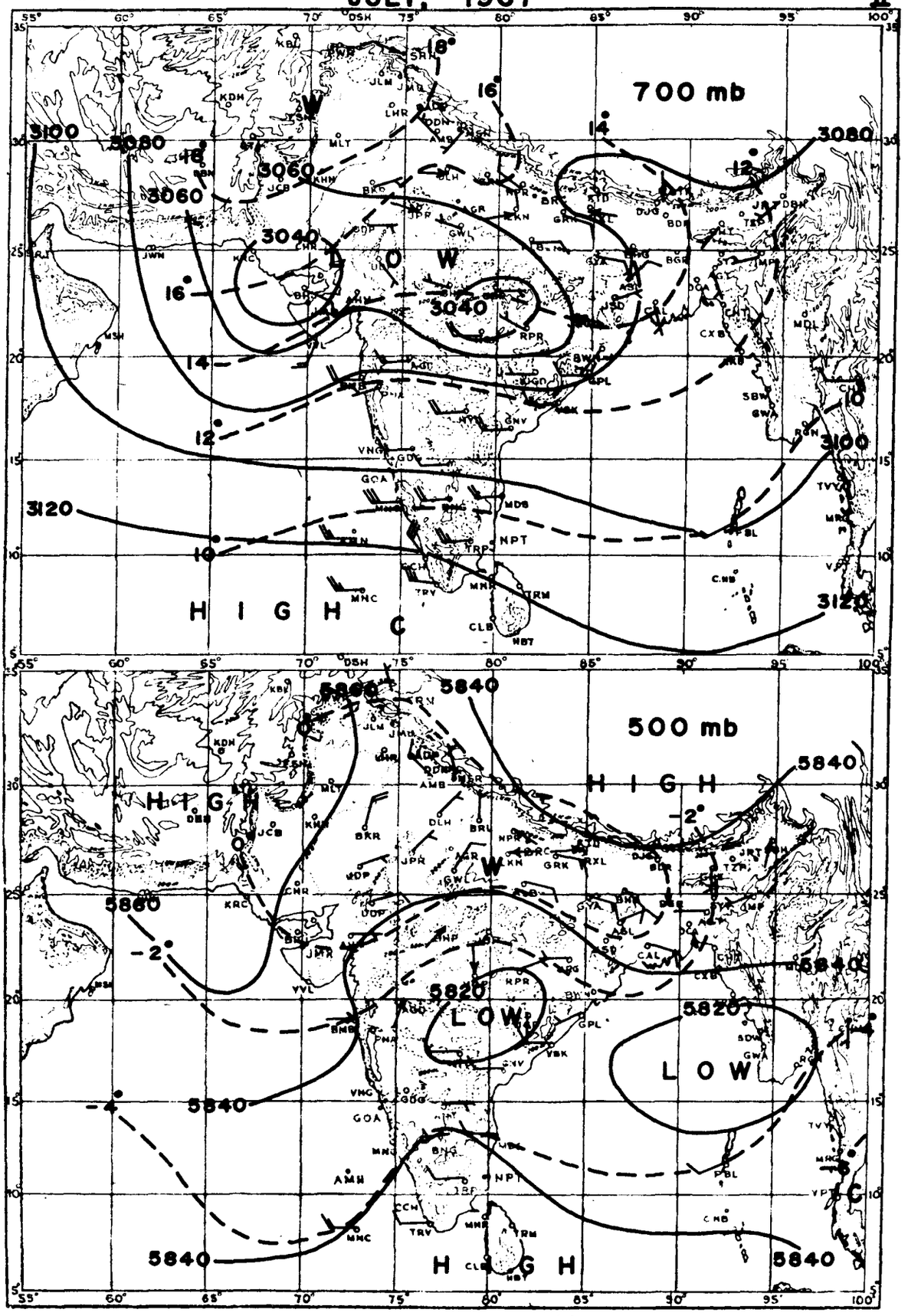


RESULTANT WIND: 5 Knots 10 Knots 50 Knots

----Isotherms in degrees Celsius; —— Contours in geopotential metres

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I. Met.D. **JULY, 1967** *Plate* **II**



RESULTANT WIND: 5 Knots 10 Knots 50 Knots

----Isotherms in degrees Celsius;—— Contours in geopotential metres

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1967

भारत सरकार

GOVERNMENT OF INDIA

मौसम विज्ञान विभाग

METEOROLOGICAL DEPARTMENT

भारतीय मौसम पुनरीक्षण

INDIA WEATHER REVIEW

1967

मासिक मौसम रिपोर्ट

MONTHLY WEATHER REPORT

अगस्त

AUGUST

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INDIA WEATHER REVIEW, 1967

Monthly Weather Report

AUGUST

MONTHLY WEATHER REPORT

FOR

AUGUST - 1967

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* * * *

MEANING OF SYMBOLS AND ABBREVIATIONS IN TABLES II and III

Symbol/Abbreviation	Meaning
(a)	Mean/total for 30 days.
(b)	Mean/total for 29 days.
(c)	Mean/total for 28 days.
(d)	Mean/total for 27 days.
(e)	Mean/total for 26 days.
(f)	Mean/total for 25 days.
(g)	Mean/total for 24 days.
(h)	Mean/total for 23 days.
(i)	Mean/total for 22 days.
(j)	Mean/total for 21 days.
(k)	Mean/total for 20 days.
(l)	Mean/total for 19 days.
(m)	Mean/total for 18 days.
(n)	Mean/total for 17 days.
(o)	Mean/total fof 16 days.
(p)	Mean/total for 15 days.
(q)	Mean/total for 14 days.
*	Closed during winter months.
(R)	Register not received, hence data not available.
#	Data for less than 15 days, hence no means published.
ds	Days.
●	Data rejected.
D.N.	Data not available.
E	Estimated.
H	Provisional height.

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Monthly Weather Report

AUGUST

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hief features :-

i) Good monsoon activity over most parts of north and central India due to the development and ovement of a series of low pressure systems;

ii) Heavy rains leading to serious floods in Uttar Pradesh, Rajasthan, the Punjab, Bihar State and orth Madhya Pradesh during the second fortnight;

iii) Movement of last month's deep depression and formation and movement of another Bay depression ;

nd iv) Generally weak monsoon conditions over the Peninsula for the major part of the month.

The deep depression which was lying over the northwest Bay of Bengal at the end of the last month oved slowly westnorthwestwards and crossed coast near Paradeep during the night of 1st - 2nd August. It eakened into a depression by the 2nd evening centred about 100 kms. south of Sambalpur and into a low ressure area over east Madhya Pradesh by the next day. It merged into the seasonal trough by 4th. Under ts influence, the monsoon activity was well maintained over the country till 4th. The monsoon was partiularly strong over the central parts of the country and along the west coast. Some of the noteworthy mounts of rainfall recorded were : Dwarka 12 cm. on 1st, Titlagarh 27 cm. on 2nd, Honavar 17 cm., Bhira 4 cm. Buldhana and Mangalore (Air Port) 13 cm. each and Karwar 12 cm. on 3rd and Seoni 13 cm. and Mercara 2 cm. on 4th.

Later the monsoon trough shifted northwards and remained near the foot of the Himalayas for the next our days. Consequently the monsoon activity shifted to the north. Krishnanagar reported 13 cm. of rain n 5th, Delhi (Palam) 18 cm., New Delhi 14 cm. and Mussoorie 13 cm. on 6th, Orai 24 cm. and Banda 15 cm. on th, Lucknow (Amausi) and Allahabad 17 cm. each, Lucknow (City) 16 cm., Fatehpur and Kanpur 15 cm. each and ardoi 13 cm. on 8th and Banda 15 cm. and Orai 14 cm. on 9th. The monsoon activity was well maintained over ost parts of north and central India for the rest of the month when a series of low pressure systems deveoped and moved westwards.

A low pressure area developed over the central parts of Uttar Pradesh on 9th. Moving slowly westwards to Rajasthan, it merged into the seasonal low by 14th. Simultaneously another low pressure area ormed over Gangetic West Bengal and adjoining Bihar Plateau on 10th and moved slowly westnorthwestwards o the central parts of Uttar Pradesh where it merged into the seasonal trough by 14th. Under their influence , he monsoon was quite active in Uttar Pradesh, Bihar State and West Bengal besides causing good rainfall ver the other parts of north India and the central parts of the country. Karnal recorded 10 cm. of rain on 0th, Raigarh 13 cm. and Sambalpur and Hazaribagh 10 cm. each on 11th, Sidhi 11 cm. and Mandla, Tonk and hampa 10 cm. each on 12th and Askote 16 cm. and Pachmarhi 11 cm. on 13th.

A low pressure area formed over the north Bay of Bengal on 16th. Persisting there it intensified into depression by the morning of 18th with centre near Lat. 21°N and Long. 90°E. Moving westnorthwestwards it rossed coast near Contai by the evening of 19th and weakened into a low pressure area. Thereafter the system ontinued its westnorthwestward movement and merged into the seasonal low over Rajasthan by 22nd. Another ow also developed over the central parts of Uttar Pradesh on 19th. It moved westwards through Rajasthan nd merged into the seasonal low by 22nd. Under their influence, there was good rainfall over north and entral India with strong monsoon activity over Gangetic West Bengal, Orissa, Bihar Plateau, Madhya Pradesh, est Uttar Pradesh, Haryana and east Rajasthan. Narnaul recorded 17 cm. of rain on 17th, Dholpur 11 cm. on 9th and Titlagarh 20 cm., Guna and Gaya 17 cm. each, Sambalpur 15 cm., Kota (Air Port) 14 cm. and Kota ity 13 cm. on 20th. According to press reports, due to the heavy rains, many rivers rose in spate and nundated low lying areas in Bihar, Uttar Pradesh and north Madhya Pradesh. The Narmada rose in spate and he road bridge near Jabalpur was reported to be under water on 19th and 20th. The level of Yamuna also ose alarmingly and the low lying areas near about Delhi were inundated causing damage to numerous houses nd crops.

A low pressure area formed over the north Bay of Bengal on 21st. Moving northwestwards to west Uttar radesh, Haryana and Punjab it merged into the seasonal low by 27th. An upper air cyclonic circulation which eveloped over north Gujarat State and adjoining Rajasthan shifted slowly northwards and became unimportant y 26th. A well marked low pressure area moving westnorthwestwards entered the northeast and adjoining ast central Bay of Bengal on 28th. Continuing its westnorthwestward movement it lay over the central arts of Madhya Pradesh on 31st. In association with these developments, the monsoon activity was well aintained over north and central India during the last week also. Some of the noteworthy amounts of rainfall ecorded were : Sagar Island 13 cm. on 22nd, Nowgong and Amritsar 14 cm. each, Mussoorie 12 cm. and Ahmedabad nd Khandala 11 cm. each on 24th. Maya Bandar 15 cm., New Delhi 12 cm. and Long Island, Patna, Nainital, ajibabad and Gurgaon 11 cm. each on 26th, Roorkee 21 cm. and Port Blair 12 cm. on 27th, Khandala 11 cm. on 9th and Indore 14 cm. and Bhopal 11 cm. on 31st. According to press reports, the floods in Uttar Pradesh ontinued inundating a number of villages and causing havoc to thousands of huts and houses and to the standing crops. Floods were also reported from Punjab and east Rajasthan.

After the good activity during the first four days of the month the monsoon generally weakened ov the Peninsula and continued to be so for the major period later. There was, however, a spell of good rai fall during the third week and again at the end of the month.

The total rainfall for the month was in large excess in West Uttar Pradesh and Haryana, in modera excess in the Bay Islands, Gangetic West Bengal, Bihar Plateau, East Uttar Pradesh, Punjab, Himachal Pradesh East Rajasthan, East Madhya Pradesh and Kerala, normal in Orissa, West Madhya Pradesh, Marathwada, Madr and Coastal Mysore. It was in slight defect in Bihar Plains, West Rajasthan, Gujarat Region, Madhya Mah rashtra, Vidarbha, Coastal Andhra Pradesh, Telangana, Interior Mysore and Arabian Sea Islands, in modera defect in Assam, Jammu and Kashmir, Saurashtra and Konkan and in large defect in Sub-Himalayan West Beng and Rayalaseema.

The mean maximum temperature was above normal in North Assam. It was normal over rest of the count except in West Uttar Pradesh, Haryana, Himachal Pradesh and East Madhya Pradesh where it was below norma

The mean minimum temperature was below normal in Bihar Plateau, East Uttar Pradesh and East Rajasthan It was normal over the rest of the country.

The mean Relative Humidity in the morning was above normal in Haryana and Himachal Pradesh and norma over rest of the country.

The mean Relative Humidity in the evening was above normal in Haryana and Himachal Pradesh, below norma in Marathwada. It was normal over rest of the country.

The mean cloud amount in the morning was normal all over the country.

The mean cloud amount in the evening was above normal in West Uttar Pradesh and West Rajasthan and nor mal over rest of the country.

POONA - 5

11th November 1967

R. A NANTHAKRISHNAN

for Director General of Observatories.

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS - AUGUST ,1967(SRAVANA 10 - BHADRA 9,1889 SAKA)

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1.ASSAM(INCLUDING.	255.1	68	32.7	24.5	84	78	6.1	5.4
NEFA,N.L.ETC) .	-118.2		+1.1	0.0	- 2	- 4	-0.5	-0.5
2.WEST BENGAL .	367.9	98	31.7	25.0	85	83	6.2	6.0
.	- 9.4		0.0	-0.8	0	+ 1	-0.3	-0.3
3.ORISSA .	380.1	107	30.3	23.7	87	84	6.6	6.7
.	+ 25.0		-0.2	-1.0	+ 2	+ 1	+0.1	-0.1
4.BIHAR .	320.7	101	31.3	24.5	86	82	6.7	6.4
.	+ 1.8		-0.3	-0.9	+ 2	+ 2	+0.1	0.0
5.UTTAR PRADESH .	497.5	161	31.2	24.2	88	82	6.6	6.2
.	+188.6		-0.8	-1.0	+ 2	+ 4	+0.8	+0.6
6.HARYANA(INCLU. .	461.8	235	32.6	24.9	86	74	5.2	4.7
DELHI CHANDIGARH).	+265.2		-1.1	-0.3	+ 6	+ 7	+0.7	+0.5
7.PUNJAB .	252.7	126	33.7	24.8	83	70	4.7	4.5
.	+ 51.9		-0.7	-0.8	+ 2	+ 3	+0.5	+0.5
8.HIMACHAL .	529.5	133	29.6	21.5	95	82	6.5	6.3
PRADESH .	+129.9		-1.5	-1.0	+ 7	+ 7	+0.7	+0.8
9.JAMMU AND .	80.1	65	27.2	14.9	75	40	4.6	3.8
KASHMIR .	- 43.2		+0.3	-0.8	+ 1	- 5	+0.1	-0.3
SUB-DIVISION								
SUB-DIVISION								
1.BAY ISLANDS .	484.7	137	29.2	23.9	86	87	6.5	6.6
.	+131.7		-0.1	-0.6	+ 2	+ 1	+0.1	-0.1
2.NORTH ASSAM .	257.7	71	33.3	25.0	83	77	6.0	5.0
(INCLUDING NEFA) .	-105.4		+1.2	0.0	- 3	- 4	-0.5	-0.6
3.SOUTH ASSAM .	249.5	63	31.4	23.3	85	81	6.2	6.1
(INCL.N.LAND ETC).	-145.7		+0.9	-0.1	- 1	- 2	-0.6	-0.4
4.SUB-HIMALAYAN .	248.7	45	32.2	25.2	83	79	5.9	5.3
WEST BENGAL .	-303.0		+0.7	-0.2	- 2	- 2	-0.5	-0.6
5.GANGETIC WEST- .	407.7	128	31.6	24.9	86	85	6.3	6.3
BENGAL .	+ 88.5		-0.1	-1.0	+ 2	+ 2	-0.2	-0.2
6.ORISSA .	380.1	107	30.3	23.7	87	84	6.6	6.7
.	+ 25.0		-0.2	-1.0	+ 2	+ 1	+0.1	-0.1
7.BIHAR PLATEAU .	437.7	133	30.2	23.5	88	84	7.1	7.0
.	+107.5		-0.6	-1.1	+ 4	+ 2	+0.4	+0.2
8.BIHAR PLAINS .	246.3	79	32.1	25.3	85	80	6.3	6.1
.	- 65.4		-0.1	-0.8	+ 1	+ 1	-0.2	-0.1
9.UTTAR PRADESH .	465.0	148	31.8	24.6	88	82	6.8	6.0
(EAST) .	+151.6		-0.5	-1.3	+ 2	+ 2	+0.8	+0.2
10.UTTAR PRADESH .	540.8	178	30.4	23.6	88	81	6.3	6.5
(WEST) .	+237.8		-1.1	-0.6	+ 3	+ 5	+0.8	+1.1
11.HARYANA(INCLU. .	461.8	235	32.6	24.9	86	74	5.2	4.7
DELHI CHANDIGARH).	+265.2		-1.1	-0.3	+ 6	+ 7	+0.7	+0.5
12.PUNJAB .	252.7	126	33.7	24.8	83	70	4.7	4.5
.	+ 51.9		-0.7	-0.8	+ 2	+ 3	+0.5	+0.5
13.HIMACHAL .	529.5	133	29.6	21.5	95	82	6.5	6.3
PRADESH .	+129.9		-1.5	-1.0	+ 7	+ 7	+0.7	+0.8
14.JAMMU AND KASH- .	80.1	65	27.2	14.9	75	40	4.6	3.8
-MIR .	- 43.2		+0.3	-0.8	+ 1	- 5	+0.1	-0.3
15.RAJASTHAN(WEST).	90.3	89	34.4	25.3	82	61	4.8	5.6
.	- 11.4		-0.2	-0.5	+ 4	+ 1	+0.5	+1.0
16.RAJASTHAN(EAST).	295.9	133	31.2	23.6	87	77	5.8	6.2
.	+ 73.4		-0.9	-1.3	+ 4	+ 5	+0.2	+0.3
17.MADHYA PRADESH .	294.5	100	28.7	22.7	90	81	7.6	7.2
(WEST) .	+ 1.0		-0.6	-0.4	+ 2	+ 3	+0.7	+0.4

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
10.RAJASTHAN .	198.5	120	32.7	24.4	84	69	5.3	5.9
.	+ 33.2		-0.6	-0.9	+ 4	+ 3	+0.3	+0.6
11.MADHYA PRADESH .	397.1	116	28.7	22.9	90	83	7.5	7.2
.	+ 55.8		-0.8	-0.5	+ 3	+ 4	+0.7	+0.3
12.GUJARAT STATE .	106.7	70	30.6	24.8	88	77	6.7	6.6
(INCLU.DIU ETC).	- 44.8		-0.3	-0.1	+ 2	+ 3	-0.1	+0.1
13.MAHARASHTRA .	214.5	70	29.4	22.9	85	74	6.7	6.9
STATE(INCL.GOA).	- 90.4		+0.1	-0.1	- 1	- 1	+0.1	+0.1
14.ANDHRA PRADESH .	121.8	77	32.1	24.4	77	64	6.1	6.2
.	- 35.4		+0.2	-0.1	- 1	- 3	-0.2	-0.4
15.MADRAS STATE .	85.2	105	33.8	24.5	72	64	5.9	6.4
(INCL.PONDICH.).	+ 3.8		+0.1	-0.4	+ 2	+ 4	+0.5	+0.5
16.MYSORE .	236.0	91	28.0	21.2	87	73	6.9	7.1
.	- 24.3		0.0	0.0	+ 1	0	+0.1	+0.3
17.KERALA .	420.7	142	28.9	22.8	90	84	7.1	7.1
.	+124.0		-0.1	-0.6	+ 1	+ 2	+0.6	+0.5
SUB-DIVISION								
SUB-DIVISION(CONTD)								
18.MADHYA PRADESH .	533.9	132	28.7	23.2	90	85	7.4	7.3
(EAST) .	+128.9		-1.1	-0.5	+ 4	+ 5	+0.7	+0.4
19.GUJARAT REGION .	154.2	75	30.6	24.3	90	75	7.2	6.8
(INCL.DAMAN ETC).	- 52.2		-0.5	-0.1	+ 2	+ 1	+0.1	+0.3
20.SAURASHTRAKUTCH.	77.5	66	30.6	25.1	87	78	6.4	6.5
(INCLUDING DIU) .	- 40.1		-0.2	-0.2	+ 2	+ 3	-0.2	0.0
21.KONKAN .	278.5	59	29.0	24.7	86	84	7.1	7.3
(INCLUDING GOA).	-191.3		+0.4	+0.3	- 2	- 1	+0.2	+0.4
22.MADHYA- .	175.6	79	29.2	21.6	84	72	6.0	6.5
-MAHARASHTRA .	- 45.7		-0.2	-0.2	0	+ 2	-0.3	-0.2
23.MARATHWADA .	120.3	91	29.8	21.0	83	62	6.5	6.9
.	- 11.3		+0.2	-0.8	- 2	- 6	-0.3	0.0
24.VIDARBHA .	229.5	76	29.7	23.1	85	73	7.0	7.0
.	- 70.6		-0.1	-0.2	- 1	- 2	+0.3	+0.2
25.COASTAL ANDHRA .	118.9	83	32.9	25.5	76	66	5.9	6.1
-PRADESH .	- 24.9		+0.2	-0.2	- 2	- 4	-0.3	-0.4
26.TELANGANA .	176.0	84	30.8	23.5	81	66	6.6	6.2
.	- 32.5		+0.1	-0.1	0	- 4	+0.2	-0.4
27.RAYALASEEMA .	33.5	34	32.3	23.8	74	55	5.8	6.4
.	- 64.0		+0.2	+0.3	+ 2	0	-0.7	-0.4
28.MADRAS STATE .	85.2	105	33.8	24.5	72	64	5.9	6.4
(INCL.PONDICH.).	+ 3.8		+0.1	-0.4	+ 2	+ 4	+0.5	+0.5
29.COASTAL MYSORE .	668.3	101	28.5	23.6	89	84	7.5	7.7
.	+ 3.9		+0.3	+0.1	- 2	- 3	+0.4	+0.6
30.INTERIOR MYSORE.	114.0	81	28.8	21.2	86	69	7.0	7.2
(NORTH) .	- 27.0		0.0	+0.1	+ 2	0	+0.6	+0.5
31.INTERIOR MYSORE.	126.7	78	27.0	19.9	87	69	6.5	6.6
(SOUTH) .	- 36.0		-0.3	-0.2	+ 2	0	-0.4	-0.2
32.KERALA .	420.7	142	28.9	22.8	90	84	7.1	7.1
.	+124.0		-0.1	-0.6	+ 1	+ 2	+0.6	+0.5
33.ARABIAN SEA- .	190.4	89	29.6	25.0	83	79	6.9	6.6
ISLANDS .	- 22.9		+0.2	-0.3	0	- 1	+0.8	+0.1

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

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - AUGUST ,1967(SRAVANA 10 - BHADRA 9,1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27
BAY ISLANDS																											
MAYA BANDAR	28.9	0.0	30.1	03	24.1	-0.3	22.0	16	190.6	658.5	+236.5	149.2	26	25	+ 5.3	26.4	21.7	+8.[illegible]	0	20	0	[illegible]	8	0	0	0	0
LONG ISLAND	28.9	-1.0	31.1	11	24.0	-0.5	22.2	27	233.0	787.0	+381.6	107.0	26	26	+ 8.3	12.1	9.6	+6.0	0	29	0	0	0	0	0	0	0
PORT BLAIR	28.6	-0.2	30.0	24	23.7	-0.4	21.2	27	227.5	722.5	+301.9	118.8	27	21	+ 1.1	25.1	22.3	+3.4	0	31	0	0	9	0	0	0	3
CAR NICOBAR	30.4	+0.5	31.2	09	23.3	-1.1	20.1	27	104.3	274.8	- 40.4	57.5	27	19	+ 3.8	9.2	7.4	+1.6	0	22	0	0	0	0	0	0	0
NAN COWRY	29.6	+0.4	30.4	25	24.9	+0.1	22.4	17	100.4	197.9	- 38.6	43.2	22	19	+[illegible]3.7	14.2	13.0	+0.3	0	25	0	0	2	0	0	0	0
KONDUL	29.0	0.0	30.0	15	23.4	-1.4	21.1	27	118.0	267.6	- 50.5	57.4	27	13	- 2.9	13.4	11.1	+2.2	0	21	0	0	4	0	0	0	0
NORTH ASSAM(INCLUDING NEFA)																											
PASIGHAT	33.2	+2.2	36.3	19	24.2	+0.2	22.3	12	120.8	486.6	-298.1	83.6	09	12	- 6.0	4.7	5.4	+1.9	1	16	0	0	9	0	0	0	0
DIBRUGARH(MOHANBARI)	32.7	+1.4	36.3	03	25.1	+0.4	23.1	23	48.3	267.8	-150.6	49.2	23	15	- 2.7	5.7	3.9	+0.8	0	19	0	0	23	0	0	0	0
DIGBOI	33.7	+1.9	36.3	22	24.9	+0.3	23.1	31	85.4	383.5	- 43.9	76.1	24	11	- 7.0	..	..	..	2	17	0	0	0	0	0	0	0
NORTH LAKHIMPUR	32.6	+1.4	35.9	31	23.9	-0.7	21.7	31	37.9	374.3	-153.8	60.1	06	14	- 5.0	6.4	4.3	..	0	18	0	0	16	0	0	0	0
SIBSAGAR	[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..
GOHPUR	33.1	+0.6	36.2	29	24.7	-0.1	22.6	17	69.7	285.7	- 13.3	46.6	23	14	+ 1.2	4.7	3.5	..	0	20	0	0	0	0	0	0	0
MAJBAT	[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..
JORHAT AERODROME	33.7	..	35.9	31	25.3	..	23.1	24	32.3	367.1	..	99.0	20	17	..	..	..	..	0	18	0	0	22	0	0	0	0
TANGLA	33.8	+0.9	36.1	31	..	..	..	..	51.1	141.3	- 82.0	43.4	07	6	- 5.2	4.5[b]	3.0[a]	+1.3	0	7	0	0	0	0	0	0	0
TEZPUR	33.6	+1.4	36.6	29	25.8	+0.4	24.3	04	5.4	68.9	-256.5	22.4	20	9	- 6.8	4.9	3.8	+1.5	0	13	0	0	9	0	0	0	0
GOLAGHAT	33.8	+1.5	36.6	31	25.5	+1.4	23.4	24	22.2	240.8	- 94.1	49.6	20	14	- 1.7	..	..	..	0	19	0	0	0	0	0	0	0
RANGIA	33.8	+0.8	35.4	31	26.0	+0.9	23.1	23	20.0[a]	221.8	- 84.2	68.8	26	12	+ 0.2	6.6[f]	4.8[d]	..	0	14	0	0	0	0	0	0	0
CHAPARMUKH	33.7	+1.0	35.7	29	25.0	-0.7	23.0	19	18.4	216.5[b]	..	..	..	..	..	4.3[e]	4.9[e]	..	.	..	0	0	9	0	0	0	0
GOALPARA	33.5	+1.1	36.6	02	23.8	-1.4	22.4	29	91.1	245.4	- 21.8	75.5	08	14	+ 0.5	4.5	3.1	+0.4	0	21	0	0	0	0	0	0	0
GAUHATI(BHORJOR)	32.7	+0.6	34.9	02	25.4	-0.4	23.4	23	72.0	238.2	- 57.0	43.8	07	13	+ 0.7	7.9	5.1	..	1	17	0	0	21	0	0	0	0
DHUBRI(RUPSI)	32.5	+0.7	35.1	29	25.1	-0.3	23.9	25	61.9	373.3	- 91.3	123.0	08	16	+ 1.7	8.0	6.4	+2.3	0	20	0	0	16	0	0	0	0
DHUBRI	32.0	+1.3	34.2	28	25.3	-0.7	23.0	02	64.8	261.4	- 77.4	80.8	08	14	- 0.6	7.0	7.9	+2.5	0	19	0	0	9	0	0	0	0
LUMDING	34.5	+1.6	37.1	31	24.7	0.0	23.5	17	9.1	59.4	-135.4	31.4	17	5	- 6.1	4.3	2.8	..	0	9	0	0	0	0	0	0	0
SOUTH ASSAM(INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
TURA	29.7	+0.4	32.9	02	23.9	+0.6	22.5	30	78.3	320.4	-229.0	98.3	08	17	- 3.7	5.2	4.1	-1.5	2	24	0	0	0	0	0	0	0
HAFLONG	31.6	+3.5	34.1	02	22.1	+0.6	21.0	10	30.1	193.6	- 48.4	40.2	04	14	- 4.7	..	..	..	0	17	0	0	5	0	0	0	0
SILCHAR(KUMBHIRGRAM)	33.2	+1.1	36.4	28	24.7	+0.5	23.4	23	13.8	190.4	-373.6	40.8	07	14	- 7.7	6.9	6.0	+1.1	1	21	0	0	14	1	0	0	0
SILCHAR	31.2	0.0	34.0	20	..	..	..	..	46.6	328.6	-194.4	59.6	21	16	- 6.2	1.7	1.1	-0.7	0	22	0	0	12	0	0	0	0
IMPHAL(TULIHAL)	28.9	+0.1	31.7	28	20.8	-0.9	19.5	31	63.0	210.1	+ 21.5	46.8	04	17	+ 4.6	7.3	4.8	-0.6	0	25	0	0	7	0	0	0	0
KAILASHAHAR	32.9	+0.6	35.7	02	24.3	-0.5	22.3	28	50.9	286.7	- 61.4	43.1	23	18	- 0.8	5.0	3.9	-0.1	0	25	0	0	20	0	0	0	0
AGARTALA	32.4	+0.9	35.2	02	23.8	-1.1	22.6	24	97.5	216.5	-134.8	53.1	29	15	- 2.3	8.8	6.5	-1.6	2	23	0	0	15	0	0	0	0
SUB-HIMALAYAN WEST BENGAL																											
BAGHDOGRA	32.7	+1.0	35.8	29	24.8	+0.1	23.2	06	101.8	255.5	-429.2	42.0	08	16	- 5.7	13.0[a]	11.0	+5.2	1	18	0	0	12	0	0	0	0
JALPAIGURI	31.6	+0.8	34.4	29	24.6	-0.3	23.3	17	69.6	196.0	-462.9	37.2	26	13	- 7.7	8.0[a]	6.0	+0.3	0	16	0	0	4	1	0	0	0
COOCH BEHAR AERODROME	32.0	+0.1	35.0	02	24.8	-1.1	23.2	11	85.5	261.6	-318.5	54.5	26	13	- 4.5	6.0	3.8	+0.3	1	21	0	0	18	0	0	0	0
BALURGHAT	32.5	..	35.7	29	25.3	..	23.4	18	139.0	244.4	..	50.9	15	13	..	6.1	5.8	..	0	18	0	0	1	0	0	0	0
MALDA	32.4	+0.8	35.7	01	26.4	+0.2	24.9	29	99.5	281.6	- 1.6	100.5	09	12	- 2.8	4.9	3.7	-3.7	0	19	0	0	11	0	0	0	0
GANGETIC WEST BENGAL																											
BERHAMPORE	32.3	0.0	34.5	16	25.4	-0.7	24.7	09	153.4	260.8	- 37.4	31.6	27	19	+ 2.5	6.4	4.8	+0.3	0	23	0	0	5	0	0	0	0
SURI	31.6	-0.5	34.1	01	25.6	0.0	21.4	30	..	367.7	+ 95.7	89.2	25	20	+ 4.0	.	6.3	-1.3	0	24	0	0	8	0	0	0	0
ASANSOL	31.9	+0.3	34.7	15	25.2	-0.3	23.9	29	156.8	494.2	+147.5	56.0	05	22	+ 4.7	8.8	6.7	-0.6	0	25	0	0	17	0	0	0	0
SHANTI NIKETAN	31.7	..	34.2	15	25.6	..	24.3	09	103.1	343.5	..	76.3	25	20	..	7.7	6.1	..	1	25	0	0	18	0	0	0	0
KRISHNANAGAR	32.2	-0.2	34.3	29	23.4	-2.3	21.0	15	123.8	294.2	+ 23.2	76.2	25	18	+ 2.2	6.8	5.8	+0.5	0	23	0	0	12	0	0	0	0
PURULIA	30.8	-0.6	33.4	16	23.1	-1.6	21.3	29	122.8	520.0	+213.8	93.8	11	24	+ 7.5	7.7	5.7	+0.4	0	27	0	0	19	0	0	0	0
BANKURA	32.2	..	35.2	15	25.3	..	24.0	09	204.7	578.9	+260.4	127.4	05	24	+ 7.8	9.7	4.3	..	1	26	0	0	4	0	0	0	0
BURDWAN	32.7	+0.8	34.5	17	23.7	-2.1	22.0	15	246.9	426.3	+109.3	62.5	25	22	+ 5.5	9.3	8.9	+2.6	0	25	0	0	3	0	0	0	0
CALCUTTA (DUM DUM)	31.7	-0.1	34.3	15	25.8	-0.2	24.1	10	132.1	273.5	- 5.3	53.7	10	18	- 0.3	10.3	7.6	-2.4	1	25	0	0	15	0	0	0	0
CALCUTTA	31.9	-0.1	34.6	15	25.8	-0.5	24.1	10	263.0	372.2	+ 38.2	73.9	05	18	+ 0.4	8.3	6.2	+0.9	0	26	0	0	12	0	0	0	3
MIDNAPORE	31.1	-0.8	34.1	15	25.4	-0.4	23.9	29	120.6	376.9	+ 35.3	65.2	05	16	- 0.8	5.8	4.4	-0.4	1	25	0	0	2	0	0	0	0
CONTAI	31.1	-0.1	33.3	28	24.3	-1.9	20.7	11	162.3[a]	416.1[a]	..	..	..	..	..	11.1[a]	8.1[a]	-2.0	.	..	0	0	2	0	0	0	0
SAGAR ISLAND	30.2	0.0	32.4	17	26.3	-0.4	23.8	10	112.8	511.1	+131.6	130.6	22	16	+ 0.2	20.7	20.9	-0.8	1	20	0	0	9	0	0	0	0
SANDHEADS	30.0	..	32.4	28	26.7	..	23.3	24	63.3	212.1	- 26.9	45.2	04	12	0.0	..	..	..	1	14	0	0	1	0	0	0	0
ORISSA																											
BARIPADA	31.9	-0.4	34.9	07	24.5	-0.9	23.1	10	171.5	334.1	- 37.8	59.4	05	18	+ 0.3	3.3	2.1	-0.1	1	24	0	0	20	0	0	0	0
JHARSUGUDA	29.9	-1.0	33.0	29	23.7	-1.0	21.8	24	85.9	430.5	- 5.3	70.8	22	22	+ 5.0	12.5	10.3	+1.5	1	28	0	0	16	0	0	0	0
KEONJHARGARH	29.0	-0.6	31.7	15	22.1	-1.4	18.2	21	95.7	280.6	+ 5.6	59.5	04	14	- 2.0	9.5	8.0	+1.1	2	21	0	0	0	0	0	0	0
BALASORE	[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..
SAMBALPUR	30.6	-0.1	32.1	05	23.5	-1.4	21.3	31	236.1	805.3	+310.8	188.5	20	22	+ 3.0	6.6	5.2	-2.2	0	22	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — AUGUST ,1967(SRAVANA 10 - BHADRA 9,1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
ORISSA(CONTD.)																												
ANGUL	31.0	-0.1	33.8	15	23.6	-1.5	22.2	18	52.1	124.3	-169.6	29.2	17	13	- 1.9	12.9	8.3	+0.7	0	17	0	0	4	0	0	0	0	0
CHANDBALI	31.5	+0.2	35.5	15	25.2	-0.7	21.5	12	70.6	265.1	- 76.0	55.6	03	12	- 2.5	8.8	7.1	-3.1	0	18	0	0	3	0	0	0	0	0
BOLANGIR	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
PHULBANI	28.1	..	31.5	15	22.5	..	21.2	28	170.4	273.9	..	61.4	02	14	..	10.0	5.8	..	2	21	0	0	4	0	0	0	0	0
CUTTACK	31.7	+0.1	34.9	15	25.9	+0.3	24.4	11	152.0	266.2	- 87.4	56.8	11	17	+ 1.0	8.5	5.9	-0.2	0	20	0	0	2	0	0	0	0	0
TITLAGARH	30.1	-0.3	33.6	09	24.3	-0.1	22.8	29	237.7	661.9	+249.0	266.6	02	17	+ 0.1	4.5	3.3	-0.2	0	24	0	0	5	0	0	0	0	0
BHUBANESWAR	31.0	-0.3	33.3	07	24.7	-0.7	23.2	31	229.6	389.5	+ 53.5	93.0	31	20	+ 2.7	16.1	12.6	-1.3	1	25	0	0	16	1	0	0	0	0
PIKI	31.3	+0.3	34.8	20	..	..	..	..	241.8	354.6	+ 86.1	73.6	02	12	- 0.4	24.0	17.3	-2.4	0	12	0	0	0	0	0	0	0	0
GOPALPUR	30.5	-0.6	33.4	29	24.4	-1.7	22.4	08	105.7	287.7	+ 97.4	122.4	02	15	+ 4.8	16.1	11.8	-2.7	0	20	0	0	12	0	0	0	0	0
KORAPUT	24.8	-0.4	27.0	15	19.0	-1.2	17.1	01	169.4	361.4	-126.8	97.0	01	24	+ 2.4	..	..	..	1	29	0	0	0	0	0	0	0	0
BIHAR PLATEAU																												
DUMKA	31.7	+0.1	35.5	02	24.9	-0.2	23.4	29	122.3	405.7	+ 66.6	55.0	14	25	+ 7.3	13.3	8.0	+3.0	0	29	0	0	0	0	0	0	0	0
DALTONGANJ	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
HAZARIBAGH	28.3	-0.9	30.2	05	21.6	-1.4	20.0	29	238.1	458.1	+109.1	98.0	11	23	+ 5.7	12.3	9.9	+1.0	0	25	0	0	14	0	0	0	0	0
DHANBAD	30.7	-0.1	33.4	15	24.0	-0.8	22.0	29	159.7	451.9	+ 94.9	72.4	19	27	+10.3	3.3	2.5	-6.1	0	29	0	0	0	0	0	0	0	0
RANCHI	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
RANCHI AERODROME	27.6	-1.2	30.4	15	21.9	-1.0	20.4	29	161.4	438.5	+139.4	53.4	05	23	+ 7.4	14.1	11.9	+1.6	0	28	0	0	14	0	0	0	0	0
JAMSHEDPUR	31.6	-0.2	34.8	16	23.2	-2.5	21.4	10	140.0	422.1	+ 47.8	74.0	29	21	+ 4.1	10.4	8.0	+0.9	0	25	0	0	7	0	0	0	0	0
JAMSHEDPUR P.B.O.	31.1	-0.7	34.3	15	25.0	-0.4	23.0	29	146.3	478.0	+196.2	81.2	10	20	+ 4.3	8.9	7.0	+0.9	2	24	0	0	26	0	0	0	0	0
CHAIBASA	30.7	-0.7	34.2	15	24.0	-1.0	22.2	29	68.5	409.9	+ 98.5	58.4	22	16	- 0.6	6.0	4.4	+1.0	0	21	0	0	11	0	0	0	0	0
BIHAR PLAINS																												
MOTIHARI	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
FORBESGANJ	31.9	-0.6	35.0	29	25.5	+0.2	23.8	31	44.0	120.2	-184.4	25.0	31	9	- 6.6	9.8	6.2	-0.7	0	15	0	0	10	0	0	0	0	0
DARBHANGA	33.0	+0.9	35.8	02	25.5	-0.7	23.9	26	81.3	228.3	-104.4	48.6	07	13	- 0.5	7.0	6.1	+0.1	0	20	0	0	1	0	0	0	0	0
MUZAFFARPUR	32.3	..	35.8	02	26.3	..	24.3	29	104.6	318.0	- 4.6	90.4	26	14	+ 0.2	..	..	..	0	17	0	0	2	0	0	0	0	0
CHAPRA	32.8	..	37.0	02	26.1	..	24.0	30	122.0	225.6	- 63.4	33.8	06	15	+ 1.0	7.3	5.6	..	0	19	0	0	1	0	0	0	0	0
PURNEA	32.1	+0.2	35.3	29	24.8	-1.1	23.3	02	93.6	236.4	- 93.3	46.4	26	14	- 2.2	5.6	4.0	-0.7	0	17	0	0	0	0	0	0	0	0
PATNA	32.7	+0.6	36.9	02	24.9	-1.7	22.9	16	71.0	215.0	-125.4	112.2	26	14	- 0.1	7.8	7.5	0.0	0	20	0	0	0	0	0	0	0	0
PATNA AERODROME	32.2	0.0	35.9	02	25.8	-0.6	23.3	29	100.4	230.0	- 48.3	54.8	16	16	+ 3.2	6.1	7.5	+1.0	0	21	0	0	13	0	0	0	0	0
ARRAH	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BHAGALPUR	32.0	-0.3	35.1	01	26.3	0.0	23.8	29	126.6	227.2	- 23.7	45.7	09	13	- 0.7	9.7	7.1	+1.1	0	20	0	0	8	0	0	0	0	0
SABAUR	31.8	-0.1	35.0	08	25.0	-1.3	22.2	29	113.2	217.6	- 48.6	53.2	25	13	- 1.8	11.6	8.4	+0.1	0	18	0	0	15	0	0	0	0	0
JAMUI	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DEHRI	31.5	-0.8	34.4	01	24.9	-1.2	23.2	17	100.1	370.1	+ 9.2	77.2	16	19	+ 4.2	5.5	4.8	-0.2	0	23	0	0	4	0	0	0	0	0
GAYA	31.7	-0.7	35.1	05	25.4	-0.5	24.5	14	152.7	320.4	- 33.4	33.4	25	16	+ 0.7	12.1	10.1	0.0	1	25	0	0	16	0	0	0	2	0
UTTAR PRADESH EAST																												
KHERI	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BAHRAICH	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
NAUTANWA	32.9	+0.8	35.4	02	24.6	-1.3	22.0	29	109.6	296.6	-113.9	50.2	10	16	- 0.6	..	..	..	0	16	0	0	0	0	0	0	0	0
HARDOI	31.3	-1.2	35.4	05	25.6	-0.5	22.7	29	148.8	444.4	+120.3	126.6	08	15	+ 1.8	8.0	6.1	+0.6	0	18	0	0	0	0	0	0	0	0
GONDA	32.1	-0.1	35.2	02	25.3	-0.6	23.7	27	128.0	300.6	- 52.1	48.4	09	15	+ 0.5	6.7	5.4	+0.2	0	17	0	0	1	0	0	0	0	0
LUCKNOW	31.8	-0.7	36.0	03	21.5	-4.5	19.7	08	175.2	533.2	+246.7	154.8	08	16	+ 2.3	..	..	..	0	22	0	0	2	0	0	0	0	0
LUCKNOW(AMAUSI)	31.8	-0.4	35.3	03	25.5	-0.3	22.3	27	336.4	654.2	+322.9	171.0	08	23	+ 8.2	12.1	8.6	+0.2	0	26	0	0	17	0	0	0	0	0
FAIZABAD	32.1	-0.5	35.6	02	25.7	+0.3	23.0	05	251.8	485.4	+133.8	81.1	09	16	+ 0.6	5.0	3.3	-0.4	0	17	0	0	5	0	0	0	0	0
GORAKHPUR	32.5	+0.3	36.7	01	25.4	-0.8	22.9	29	126.5	382.6	+ 36.7	56.0	05	18	+ 2.9	6.8	2.5	-2.1	0	20	0	0	0	0	0	0	0	0
KANPUR	31.2	-0.9	35.1	02	24.9	-0.9	22.9	30	198.8	547.1	+273.0	146.8	08	20	+ 6.9	12.9	6.9	-3.0	0	22	0	0	0	0	0	0	0	0
KANPUR(AERODROME)	31.6	..	34.6	02	25.4	..	23.3	08	148.9	486.6	..	122.0	08	21	..	..	..	..	0	27	0	0	9	0	0	0	0	0
SULTANPUR	31.5	-0.7	36.0	02	23.0	-2.8	20.9	27	74.4	378.8	+ 28.8	85.6	05	20	+ 4.6	6.1	4.5	-0.8	0	20	0	0	10	0	0	0	0	0
AZAMGARH	31.9	-0.6	34.9	02	25.0	-1.1	23.4	30	108.0	288.8	+ 7.0	61.0	26	18	+ 3.7	5.6	3.5	..	0	21	0	0	0	0	0	0	0	0
FATEHPUR	31.0	-1.1	34.6	05	24.7	-1.2	22.4	08	232.5	686.2	+404.5	151.6	08	22	+ 8.5	8.6	6.1	+1.3	1	26	0	0	2	0	0	0	0	0
BALLIA	32.5	-0.3	36.0	01	22.1	-3.4	21.0	29	51.6	115.4	-134.9	23.6	09	11	- 1.0	8.2	5.2	+0.9	0	14	0	0	0	0	0	0	0	0
BANDA	30.8	-1.3	35.0	03	25.1	-0.5	23.4	27	183.7	804.3	+457.6	152.1	07	24	+ 9.4	1.9	1.6	-0.8	0	27	0	0	0	0	0	0	0	0
ALLAHABAD(BAMHRAULI)	31.5	-0.6	36.0	02	25.0	-1.0	23.6	27	105.5	551.5	+290.4	172.0	08	22	+ 7.8	9.0	6.5	-0.9	0	27	0	0	17	0	0	0	1	0
VARANASI(BABATPUR)	31.5	-0.8	35.3	02	25.2	-0.9	23.5	05	213.1	465.0	+224.7	71.5	09	19	+ 6.8	16.1	12.3	+3.1	0	21	0	0	12	0	0	0	0	0
VARANASI	32.0	-0.2	36.5	20	24.5	-1.5	22.4	10	187.1	505.5	+179.6	117.4	08	15	- 0.3	9.2	6.6	-1.4	0	16	0	0	0	0	0	0	0	0
UTTAR PRADESH WEST																												
MUKHIM	22.2	-1.1	25.3	22	16.5	-0.8	14.7	26	141.6	563.0	+209.8	56.4	24	28	+ 9.8	..	..	..	0	30	0	0	5	0	0	0	0	0
TEHRI	30.8	-1.9	35.4	21	23.1	-0.4	20.6	27	131.1	369.1	+204.5	46.2	27	18	+ 8.5	3.1	2.2	..	2	25	0	0	3	0	0	0	0	0
DEHRA DUN	28.8	-0.7	32.4	21	21.7	-1.0	19.8	28	290.6	731.9	+ 18.9	91.6	24	25	+ 3.8	0.7	0.4	-2.1	0	27	0	0	6	0	0	0	0	0
MANSIARI	20.2	..	23.4	22	14.6	..	12.6	26	..	704.7	..	90.0	24	28	..	..	..	..	1	30	..	..	..	..	..	.	..	.

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – AUGUST ,1967(SRAVANA 10 - BHADRA 9,1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST (CONTD.)																												
ROORKEE	31.5	-0.8	35.4	02	24.0	-1.0	22.0	27	164.9	458.5	+171.2	214.6	27	15	+ 3.2	6.3	4.5	-0.1	0	19	0	0	2	0	0	0	0	0
NAJIBABAD	31.5	-0.6	34.5	21	..	..	..	..	354.8	547.5	+233.4	110.2	26	17	+ 3.4	10.0	7.5	+2.0	0	21	0	0	15	0	0	0	0	0
MEERUT	31.9	-0.8	35.5	03	23.4	-2.3	20.0	27	..	496.0	+283.4	74.0	17	17	+ 7.1	.	8.5	+2.6	0	17	0	0	0	0	0	0	0	0
BAREILLY	32.0	-0.6	36.0	23	25.3	-0.3	22.7	08	271.2	678.1	+388.3	103.1	08	21	+ 8.8	8.1	5.9	+1.2	0	24	0	0	2	0	0	0	0	0
ALIGARH	31.5	-1.6	35.1	02	25.2	-0.5	22.1	27	251.6	529.0	+318.4	87.2	11	17	+ 6.7	10.0	7.3	+0.6	0	21	0	0	4	0	0	0	0	0
MAINPURI	31.8	-1.3	36.7	01	25.4	-0.5	23.4	26	171.4	442.4	+210.7	73.8	10	18	+ 7.0	..	..	..	0	20	0	0	1	0	0	0	0	0
AGRA	31.6	-1.2	36.0	02	25.3	-0.5	23.9	27	155.8	575.1	+356.9	88.1	14	23	+12.0	..	..	..	0	26	0	0	0	0	0	0	0	0
AGRA AERODROME	31.5	..	36.6	05	29.9	..	23.3	16	177.4	529.3	..	66.5	16	21	..	..	..	..	1	24	0	0	13	0	0	0	0	0
ORAI	30.5	-1.5	33.1	05	24.9	+0.4	22.9	10	244.5	764.6	+409.2	238.6	07	24	+ 9.0	..	..	..	1	28	0	0	0	0	0	0	0	0
JHANSI	30.6	-1.1	34.1	02	24.5	-0.4	22.0	10	172.7	333.9	+ 48.7	63.0	25	17	+ 4.1	6.5	6.5	+0.6	0	20	0	0	0	0	0	0	0	0
HARYANA (INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	32.3	-0.5	35.5	22	23.5	0.0	20.7	28	189.4	572.8	+309.5	72.0	04	20	+ 8.4	..	..	..	0	21	0	0	1	0	0	0	0	0
AMBALA	32.4	-1.4	35.4	22	24.9	-0.5	22.4	28	80.6	408.8	+195.7	102.6	26	14	+ 4.5	12.0	10.1	+4.7	1	20	0	0	0	0	0	0	0	0
AMBALA AERODROME	32.4	..	35.3	21	24.6	..	21.3	28	166.8	440.2	..	106.1	26	16	..	..	..	..	0	22	0	0	11	0	0	0	0	0
KARNAL	32.0	-0.9	36.1	03	25.0	0.0	22.0	27	190.1	562.1	+346.7	104.4	10	16	+ 6.5	5.4[i]	5.0[i]	..	1	17	0	0	4	0	0	0	0	0
HISSAR	33.9	-1.6	37.5	09	25.8	-0.3	22.1	02	141.8	228.4	+107.2	67.6	16	9	+ 3.2	8.9	6.9	-1.0	0	13	0	0	9	0	0	0	0	0
NEW DELHI/SAFDARJUNG	32.3	-1.4	37.6	05	25.2	-0.9	23.0	06	120.2	536.9	+367.0	142.2	06	17	+ 8.2	10.7	7.2	-1.9	1	23	0	0	10	0	0	0	2	0
PALAM AERODROME	32.0	..	35.8	03	25.0	..	22.6	28	150.1	540.7	..	183.6	06	16	..	..	..	..	1	21	0	0	12	0	0	0	4	0
PUNJAB																												
PATHANKOT	32.1	-0.4	35.1	02	23.1	-0.9	19.0	27	195.3	401.5	- 34.3	134.4	05	15	+ 0.4	..	..	..	0	19	0	0	13	0	0	0	0	0
AMRITSAR	34.0	-0.2	37.2	24	24.9	-0.4	22.1	08	180.2	388.4	+235.3	135.8	24	10	+ 2.3	..	..	..	1	11	0	0	17	0	0	0	2	0
ADAMPUR AERODROME	33.0	..	36.4	22	24.7	..	21.4	27	254.5	348.4	..	60.0	27	16	..	..	..	..	1	19	0	0	24	0	0	0	0	0
LUDHIANA	33.1	-1.6	36.0	03	25.4	-0.7	22.4	08	100.7	254.5	+ 91.9	54.0	08	13	+ 5.7	4.7	3.5	+0.1	1	15	0	0	9	0	0	0	0	0
FEROZEPUR	34.8	-0.5	37.6	03	24.8	-1.3	20.5	27	64.3	139.5	+ 8.7	54.0	09	8	+ 2.4	3.1	2.2	0.0	0	8	0	0	0	0	0	0	0	0
HALWARA AERODROME	33.3	..	36.6	03	24.7	..	21.9	27	62.5	206.9	..	73.6	16	10	..	..	..	..	0	15	0	0	21	0	0	0	5	0
PATIALA	32.8	-0.7	35.6	03	25.1	-0.4	22.9	28	138.4	304.4	+128.1	54.0	05	13	+ 4.9	7.1	6.0	-0.1	0	13	0	0	5	0	0	0	0	0
BHATINDA	35.2	-0.9	37.4	04	25.7	-0.6	22.4	27	15.2	27.7	-118.6	12.5	16	3	- 1.6	6.4	5.2	-1.3	0	3	0	0	0	0	0	0	0	0
HIMACHAL PRADESH																												
MANDI	29.5	-1.1	33.3	22	21.6	+0.2	18.9	28	289.9	599.0	+ 99.7	104.8	23	18	- 1.6	..	..	..	1	26	0	0	0	0	0	0	0	0
BILASPUR	29.6	-2.0	32.8	13	21.3	-2.2	18.2	27	280.9	460.0	+160.2	74.0	26	17	+ 3.0	4.9	2.9	-1.0	0	19	0	0	8	0	0	0	0	0
JAMMU AND KASHMIR																												
MISGAR	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GILGIT	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SKARDU	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DRAS	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SHAMARG	D.N	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
LEH	24.4	+0.2	28.8	03	8.5	-1.1	4.6	31	0.0	6.5	..	..	..	..	..	5.9	5.6	+0.8	.	..	0	0	0	0	0	0	0	0
SRINAGAR	30.2	+0.3	34.0	23	17.5	-0.4	13.3	27	13.8	44.9	- 17.8	17.2	01	4	- 1.3	5.2[b]	4.7[c]	+1.1	0	6	0	0	4	0	0	0	0	0
SRINAGAR AERODROME	29.3	..	33.1	19	17.7	..	12.3	29	3.1	12.1	..	5.4	24	1	..	..	..	..	0	6	0	0	7	0	0	0	0	0
GULMARG	20.9	+0.6	24.4	24	9.4	-0.8	4.7	31	50.2	66.4	- 48.1	21.4	02	7	- 2.8	8.4	4.7	+0.1	4	13	0	1	11	2	0	0	0	0
QAZIGUND	27.1	..	29.7	22	18.1	..	14.7	29	3.3	41.4	..	8.7	08	6	..	2.6	2.5	..	2	11	0	0	0	0	0	0	0	0
BANIHAL	27.7	..	30.0	23	17.6	..	13.6	31	8.3	23.7	..	6.2	05	4	..	..	..	..	0	13	0	0	2	0	0	0	0	0
JAMMU	33.1	-0.1	36.3	22	24.3	-0.8	19.2	30	63.5	202.6	- 96.9	44.7	05	12	+ 0.4	3.7	3.4	..	0	13	0	0	0	0	0	0	0	0
JAMMU AERODROME	32.7	..	35.8	22	24.8	..	19.4	26	64.1	182.6	..	34.4	14	11	..	..	..	..	2	11	0	0	19	0	0	0	0	0
GULMARG (RESEARCH INSTITUTE)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
RAJASTHAN, WEST																												
GANGANAGAR	36.6	-0.7	39.0	11	25.9	-1.0	23.6	28	44.6	101.1	+ 31.6	62.3	15	6	+ 1.4	5.7	4.1	-3.9	0	8	0	0	7	0	0	0	0	0
ANUPGARH	D.N	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MAHAJAN	36.8	..	39.5	15	26.5	..	24.2	19	..	..	..	..	..	..	..	12.8	11.7	..	.	..	0	0	0	0	0	0	0	0
CHURU	34.1	-1.1	37.8	01	24.7	-1.4	21.5	27	111.7	157.5	+ 61.6	43.4	19	10	+ 4.7	12.8	10.0	-0.5	0	17	0	0	9	0	0	0	0	0
BIKANER	35.9	-0.2	39.2	03	26.7	+0.1	24.9	23	49.1	93.5	- 2.3	18.5	19	8	+ 3.2	12.4	11.0	0.0	0	11	0	0	7	0	2	0	0	0
NAGAUR	33.9	-0.5	37.0	20	24.2	-2.1	22.4	25	42.2	116.3	+ 66.4	27.0	21	7	+ 2.8	11.5	10.1	-1.8	1	9	0	0	1	0	0	0	0	0
PHALODI	34.5	0.0	38.1	12	26.4	+0.6	24.8	22	24.6	65.2	- 18.1	24.6	21	4	- 0.9	17.6	15.8	-3.6	0	4	0	0	0	0	0	0	0	0
JAISALMER	35.9	0.0	39.4	21	24.2	-1.3	20.8	23	0.4	1.0	- 75.5	1.0	14	0	- 3.9	19.2	18.6	-3.1	0	1	0	0	0	0	0	0	0	0
JODHPUR	33.0	-0.2	36.7	03	25.2	0.0	23.8	29	121.7	143.2	+ 11.9	57.6	14	8	+ 1.9	..	..	..	1	12	0	0	4	0	0	0	0	0
BARMER	34.8	+1.0	37.8	31	26.1	+1.0	23.6	21	2.7	24.4	-124.4	13.6	21	1	- 4.8	8.6	8.0	-2.6	0	9	0	0	1	0	0	0	0	0
ERINPURA (JAWAI DAM)	31.1	-0.2	37.1	11	24.1	-0.7	22.8	14	72.7	110.7	- 53.4	30.0	04	6	- 2.1	6.2	6.6	-1.9	0	14	0	0	0	0	0	0	0	0
RAJASTHAN, EAST																												
PILANI	33.2	-1.7	37.0	02	23.1	-2.9	19.0	28	216.9	280.3	+139.4	79.4	12	12	+ 4.2	13.8	10.6	-1.4	0	14	0	0	0	0	0	0	0	0
SIKAR	31.5	-1.6	34.0	31	23.8	-0.9	21.4	26	88.7	157.5	+ 25.6	31.4	21	11	+ 3.1	4.1	3.4	-4.4	0	15	0	0	0	0	0	0	0	0

ABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - AUGUST ,1967(SRAVANA 10 - BHADRA 9,1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with									
																			Precipitation									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
ASTHAN,EAST (CONTD.)																												
LWAR	31.6	-1.5	35.4	05	24.6	-1.6	21.9	28	151.6	370.5	+101.4	78.0	25	19	+ 6.7	5.5	3.8	..	1	22	0	0	3	0	0	0	0	0
AIPUR(SANGANER)	31.3	-0.6	33.8	30	24.2	-0.1	21.8	26	86.8	155.3	- 48.4	27.4	25	12	+ 2.0	..	..	..	0	19	0	0	12	0	0	0	1	0
HOLPUR	31.0	-1.6	35.0	05	24.3	-1.4	22.2	27	232.4	753.2	+420.3	112.4	19	21	+ 7.3	7.8	4.9	-0.8	0	22	0	0	6	0	0	0	0	0
JMER	30.5	-0.4	33.9	31	23.7	-0.6	21.7	26	79.5	201.3	+ 32.6	40.8	21	11	+ 1.9	13.9	12.2	+2.7	1	16	0	0	4	0	0	0	0	0
ONK	32.1	-0.1	34.6	10	25.0	-0.2	22.7	26	127.6	342.9	+ 78.7	100.1	12	14	+ 0.6	9.5	8.6	-0.3	0	19	0	0	3	0	0	0	0	0
HILWARA	30.6	..	32.8	31	22.9	..	21.7	23	175.8	225.0	..	57.5	15	14	..	..	..	..	0	16	0	0	2	0	0	0	0	0
OTA	31.0	-0.7	33.4	09	21.6	-3.8	19.2	28	144.0	382.6	+125.5	129.6	20	15	+ 4.1	12.5	9.9	+3.0	1	17	0	0	4	0	0	0	0	0
OTA AERODROME	31.0	..	33.2	30	24.8	..	22.4	28	128.8	445.8	..	141.0	20	14	..	17.6	15.3	..	0	17	0	0	7	0	0	0	0	0
HAMBAL (RAWAT BHATTA DAM)	30.4	-0.4	33.1	09	23.5	-0.4	22.1	21	135.4	232.4	- 36.7	58.0	20	11	- 1.0	14.2	10.3	+4.1	0	13	0	0	3	0	0	0	0	0
DAIPUR	28.9	-0.4	32.2	30	22.3	-0.6	21.1	28	72.5	83.4	-104.3	59.3	14	5	- 3.9	5.7	3.6	-1.1	1	12	0	0	1	0	0	0	0	0
HALAWAR	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
ANSWARA	29.8	..	32.2	03	23.5	..	22.6	01	87.8	192.4	..	80.2	04	8	..	10.9	9.5	..	0	8	0	0	0	0	0	0	0	0
HYA PRADESH,WEST																												
WALIOR	30.6	-1.3	34.1	02	24.7	-0.7	22.5	31	118.5	362.9	+133.9	45.0	24	18	+ 5.3	10.9	7.5	+0.9	1	27	0	0	7	0	0	0	0	0
HEOPUR	30.4	-0.9	33.3	04	24.3	-0.4	22.3	26	151.5	308.9	- 41.1	34.9	25	20	+ 4.1	10.9	8.4	+1.8	0	24	0	0	8	0	0	0	0	0
HIVPURI	29.0	..	31.0	03	21.5	..	19.3	26	43.3	214.3	..	71.8	25	12	..	13.7	10.6	..	0	16	0	0	0	0	0	0	0	0
DWGONG	29.9	-1.4	32.6	02	23.9	-0.9	22.4	25	322.8	637.1	+317.8	137.9	24	19	+ 5.3	7.9	6.2	+0.3	0	27	0	0	4	0	0	0	0	0
UNA	28.3	-1.2	31.2	28	22.9	-0.2	20.1	14	120.2	507.7	+126.2	171.2	20	17	+ 2.0	15.8	13.0	+2.6	1	25	0	0	7	0	0	0	0	0
IMACH	28.9	-0.4	32.4	30	22.9	-0.1	21.7	05	43.8	109.5	-140.7	29.0	21	12	+ 1.8	17.0	14.8	+2.0	0	15	0	0	1	0	0	0	0	0
AJGARH	29.3	-0.9	32.1	29	23.3	-0.4	22.1	29	179.7	214.9	-114.6	86.2	04	9	- 4.7	16.0	11.6	+0.8	1	11	0	0	1	0	0	0	0	0
AGAR	28.9	+0.5	31.5	11	21.5	-0.7	20.8	01	129.6	370.5	- 2.4	69.4	12	15	- 0.5	9.1	11.1	+0.8	0	21	0	0	3	0	0	0	0	0
ATLAM	29.0	+0.7	34.8	19	22.1	-0.5	20.5	04	38.4	116.5	-102.3	43.6	31	12	- 1.3	15.2	12.8	+3.0	1	22	0	0	1	0	0	0	0	0
HUPAL(BAIRAGARH)	28.2	-0.4	31.3	30	22.1	-0.4	20.0	28	96.7	219.9	- 57.7	107.6	31	9	- 5.0	21.6	18.4	+7.1	2	16	0	0	2	0	0	0	0	0
JJAIN	28.5	..	31.2	30	22.0	..	20.9	04	54.6	104.6	..	57.0	31	6	..	22.6	17.8	..	1	8	0	0	1	0	0	0	0	0
ARSINGHPUR	27.9	..	31.4	30	22.6	..	21.4	26	197.4	473.8	..	69.2	20	20	..	..	..	..	0	23	0	0	0	0	0	0	0	0
OSHANGABAD	28.8	-0.4	31.4	18	23.3	-0.2	22.2	26	151.1	484.0	+ 87.5	95.2	03	20	+ 4.1	10.4	7.7	+2.3	0	21	0	0	0	0	0	0	0	0
NDORE	28.0	-0.2	30.0	02	21.5	-0.5	20.1	22	164.2	264.2	+ 32.3	144.3	31	8	- 3.7	26.1	22.3	+0.6	2	20	0	0	3	0	0	0	0	0
AJPUR (JHABUA)	28.9	-0.4	31.0	02	23.0	-0.1	21.8	28	112.2	152.6	-131.8	43.6	28	11	- 1.6	15.9	12.9	+1.2	0	25	0	0	0	0	0	0	0	0
HHINDWARA	27.0	-0.7	30.1	30	22.0	+0.1	20.6	26	62.3	180.7	- 83.0	37.3	03	14	+ 0.4	16.1	11.7	+3.7	0	18	0	0	3	0	0	0	0	0
EUNI	27.7	-0.6	30.2	30	22.0	-0.1	20.6	26	151.3	459.4	+103.5	126.0	04	19	+ 2.7	10.6	7.4	+0.8	3	24	0	0	3	0	0	0	0	0
ETUL	26.4	-0.5	30.0	30	20.4	-1.3	19.3	26	87.2	212.8	- 56.2	43.4	03	16	+ 1.3	10.0	7.7	-0.2	0	25	0	0	0	0	0	0	0	0
HANDWA	29.6	-0.3	31.2	07 da	22.9	-0.3	20.0	31	42.2	109.8	- 56.6	39.2	03	8	- 2.2	17.8	13.9	+1.7	0	14	0	0	0	0	0	0	0	0
HYA PRADESH,EAST																												
ATNA	29.6	-0.9	32.1	03	23.8	-0.7	21.8	27	227.2	557.9	+223.6	68.3	06	24	+ 8.8	10.8	7.1	+0.5	1	28	0	0	6	0	0	0	0	0
EWA	29.4	..	32.6	04	22.8	..	21.3	27	218.2	575.3	..	85.4	11	22	..	8.0	5.5	..	0	25	0	0	0	0	0	0	0	0
IDHI	30.3	-1.3	34.4	05	24.3	-0.3	23.4	27	230.9	620.1	+268.2	113.0	12	24	+ 8.8	7.0	5.0	-1.1	0	28	0	0	0	0	0	0	0	0
MARIA	28.2	-1.2	31.8	04	23.1	-0.4	22.0	23	142.4	384.6	+ 4.6	72.4	23	19	+ 2.4	9.0	7.2	+1.2	0	26	0	0	9	0	0	0	0	0
ABALPUR	28.4	-1.1	32.4	04	23.4	-0.2	21.8	26	213.7	509.5	+ 92.9	91.1	20	20	+ 2.9	9.9	7.3	-0.3	0	27	0	0	6	0	0	0	0	0
MBIKAPUR	28.4	-0.8	31.2	02	21.8	-1.1	20.3	25	152.4	427.4	- 37.3	77.0	19	22	+ 2.6	12.1	9.6	+1.1	1	27	0	0	0	0	0	0	0	0
ASHPRINAGAR	27.3	..	29.8	16	21.4	..	19.7	12	174.2	478.6	..	78.4	20	27	..	10.1	7.7	..	0	28	0	0	0	0	0	0	0	0
ENDRA	27.8	-0.5	30.4	03	22.5	0.0	21.0	11	127.9	391.8	+ 25.5	63.7	11	23	+ 4.6	9.8	8.1	+1.3	0	29	0	0	9	0	0	0	0	0
ANDLA	28.3	-0.9	31.6	04	22.6	-0.5	21.3	20	198.2	581.0	+153.8	103.6	20	21	+ 2.4	7.3	4.3	+0.6	0	25	0	0	4	0	0	0	0	0
HAMPA	29.4	-1.4	32.6	03	23.9	-1.0	21.6	12	308.0	755.4	+254.8	98.4	12	20	+ 0.7	11.3	9.4	+2.0	1	27	0	0	12	0	0	0	0	0
AIGARH	30.0	-1.0	33.1	03	24.1	-0.8	21.7	24	222.5	790.3	+282.6	126.3	11	21	+ 2.1	7.2	7.3	+0.8	0	26	0	0	1	0	0	0	0	0
AIPUR	28.9	-1.2	32.0	16	23.2	-0.9	21.3	20	122.5	396.6	+ 7.5	48.1	31	19	+ 3.4	12.1	10.3	-0.1	1	24	0	0	8	0	0	0	0	0
ANKER	27.8	-1.3	31.0	17	23.4	-0.1	21.8	01	212.3	628.2	+298.5	161.2	02	19	+ 4.3	12.1	10.9	+2.7	0	24	0	0	3	0	0	0	0	0
AGDALPUR	27.8	-0.6	31.2	10	22.4	+0.2	20.5	01	210.8	364.3	- 27.1	56.0	02	16	- 2.6	..	..	..	3	23	0	0	5	0	0	0	1	0
JARAT REGION(INCLUDING DAMAN, DRA AND NAGAR HAVELI)																												
DEESA	30.8	-1.4	33.6	30	23.6	-0.9	22.8	24	30.5	184.7	- 28.4	75.2	24	13	+ 3.8	11.2	9.5	..	0	19	0	0	0	0	0	0	0	0
RADHAMPUR	31.9	-0.2	34.7	31	25.0	+1.0	23.7	26	4.8	83.9	- 7.1	40.4	02	6	+ 0.6	13.3	10.9	+1.8	0	11	0	0	0	0	0	0	0	0
IDAR	29.0	-1.4	31.9	30	23.8	-0.1	22.8	14	53.2	190.8	- 18.1	40.2	24	14	+ 0.6	8.3	5.6	-0.9	0	18	0	0	0	0	0	0	0	0
AHMADABAD	31.4	-0.4	33.2	31	24.9	+0.3	23.7	04	55.8	209.9	+ 4.4	105.2	24	10	- 1.2	7.5	7.1	-1.2	4	18	0	0	3	0	0	0	1	0
OHAD	28.7	-0.3	31.0	30	22.3	-0.7	21.1	04	31.0	93.1	-112.5	28.0	05	9	- 3.2	19.6	19.0	-3.4	1	22	0	0	2	0	0	0	0	0
VALLABH VIDYANAGAR	31.4	..	33.1	22	24.6	..	23.5	06	106.4	227.2	..	48.4	04	11	..	10.0	8.3	..	0	17	0	0	0	0	0	0	0	0
ARODA AERODROME	30.8	-0.3	32.7	20	24.7	-0.2	23.6	04	82.1	163.1	- 98.9	53.4	04	10	- 1.3	12.0	11.3	+0.6	1	18	0	0	1	0	0	0	0	0
ARODA	31.3	-0.2	33.2	30	25.0	+0.2	23.7	04	96.1	183.0	- 80.9	62.8	04	9	- 2.7	9.4	8.2	+1.3	0	21	0	0	0	0	0	0	0	0
RUACH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8.3	6.0	-4.0	.	..	0	0	0	0	0	0	0	0
URAT	30.6	+0.3	32.0	21	24.7	-0.7	22.9	29	44.4	125.2	- 76.0	23.4	29	10	- 2.8	18.1	13.6	+2.9	0	21	0	0	0	0	0	0	0	0
URASHTRA AND KUTCH(INCLUDING DIU)																												
NALIYA	29.4	-1.3	30.8	29	25.0	-0.6	23.5	22	8.6	118.2	+ 60.5	47.2	01	5	+ 0.8	22.5	17.4	-1.8	0	8	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - AUGUST 1967 (SRAVANA 10 - BHADRA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26
SOURASHTRA AND KUTCH (INCLUDING DIU) (CONTD.)																										
BHUJ (RUDRAMATA)	31.5	-0.2	33.9	31	25.3	0.0	23.8	29	5.2	68.2	- 15.6	36.4	01	5	+ 1.0	20.8	17.1	+0.1	1	7	0	0	0	0	0	0
KANDLA AERODROME	31.6	..	33.4	30	25.1	..	23.4	01	18.4	35.4	..	17.2	23	3	..	29.3	25.0	..	2	8	0	0	0	0	0	0
NEW KANDLA	31.0	-0.5	32.4	30	25.6	-0.3	24.2	01	8.6	39.6	- 23.9	11.0	07	5	- 0.8	29.7	26.9	+0.5	0	11	0	0	0	0	0	0
MANDVI	30.1	-0.2	31.1	29	25.6	-0.5	24.0	23	2.2	110.2	+ 35.8	76.2	23	4	- 0.8	26.5	27.9	-5.2	0	4	0	0	0	0	0	0
SURENDRANAGAR	32.2	-0.3	34.2	20	24.8	0.0	24.1	26	6.8	36.8	-136.6	12.1	24	4	- 2.9	16.1	14.4	-2.4	0	8	0	0	0	0	0	0
OKHA	30.0	..	31.1	31	25.6	..	24.2	01	11.0	127.1	..	76.6	23	3	..	25.1	21.9	..	0	10	0	0	0	0	0	0
JAMNAGAR AERODROME	31.4	-0.1	33.4	19	24.6	-0.8	23.2	30	18.6	41.6	- 58.5	9.2	01	6	+ 0.6	..	..	..	3	10	0	0	0	0	0	0
DWARKA	29.7	+0.4	31.0	30	26.4	+0.4	24.6	01	13.6	151.3	+ 83.0	117.2	01	5	+ 1.0	23.5	23.5	+1.6	0	6	0	0	0	0	0	0
RAJKOT	30.9	-0.7	33.5	30	23.7	-0.3	22.0	30	35.8	49.0	-161.5	16.8	03	4	- 5.2	28.4	23.1	-0.1	4	12	0	0	0	0	0	0
BHAVNAGAR AERODROME	31.7	-0.6	34.4	21	24.8	0.0	23.7	30	98.2	132.8	- 27.7	71.6	24	7	- 3.1	22.7	19.4	+6.9	1	12	0	0	1	0	0	0
PORBANDER AERODROME	29.6	+0.3	30.6	29	25.8	+0.2	24.4	30	6.2	39.2	-110.1	8.7	23	4	- 4.5	19.6	16.6	..	1	14	0	0	0	0	0	0
KESHOD	29.7	-0.3	31.4	30	24.5	-0.1	22.2	31	34.0	101.4	- 17.4	25.9	23	8	- 2.0	29.0	21.9	+0.6	1	16	0	0	0	0	0	0
MAHUVA	30.6	..	34.3	22	23.7	..	21.8	31	45.7	82.9	- 89.7	26.2	28	9	- 0.8	11.1	13.1	..	2	18	0	0	0	0	0	0
VERAVAL	29.6	+0.8	30.6	30	25.5	0.0	24.4	08	11.2	36.7	- 59.8	11.8	06	6	- 0.3	32.2	33.5	-9.4	2	15	0	0	0	0	0	0
DIU	29.2	..	30.0	04	25.4	..	23.6	31	8.3	39.4	..	6.5	23	5	..	26.0	23.6	..	0	16	0	0	0	0	0	0
KONKAN (INCLUDING GOA)																										
DAHANU	29.7	+0.6	30.3	12	25.3	+0.5	24.0	16	92.1	256.8	..	..	..	..	..	31.6	25.1	+0.8	.	..	0	0	0	0	0	0
BOMBAY (SANTACRUZ)	29.3	+0.2	30.1	23	24.7	+0.3	23.5	20	108.4	316.5	-302.5	60.3	29	21	- 1.6	25.5	22.1	+6.0	0	29	0	0	0	0	0	1
BOMBAY	29.7	+0.2	30.7	15	25.0	+0.2	23.5	29	95.0	299.3	- 29.6	98.7	02	21	+ 2.8	16.0	15.8	+2.4	0	30	0	0	0	0	0	0
ALIBAG	29.1	+0.3	30.1	27	25.2	+0.3	24.4	26	..	208.0	-143.0	55.7	02	20	+ 0.2	.	32.3	+8.0	0	27	0	0	0	0	0	0
BHIRA	27.7	..	30.0	31	22.3	..	20.8	29	422.0	1219.4	..	170.2	02	31	..	4.7	4.2	..	0	31	0	0	0	0	0	0
HARNAI	28.2	+0.5	28.8	15	24.8	+0.4	23.5	30	109.9	284.1	-264.0	65.2	02	17	- 5.4	21.9	22.7	+2.2	0	24	0	0	0	0	0	0
RATNAGIRI	28.9	+0.6	30.2	16	24.8	+0.7	22.6	27	74.4	215.3	-267.8	44.6	02	21	- 2.1	22.1	22.3	..	0	29	0	0	0	0	0	0
DEVGARH	28.7	+0.5	29.5	10	23.9	-0.4	22.8	29	67.2	322.7	-118.4	82.2	02	24	+ 1.5	29.0	29.6	+3.7	0	29	0	0	0	0	0	0
VENGURLA	29.2	+0.5	29.7	20	24.3	+0.4	22.9	30	113.4	380.0	-178.9	62.8	02	25	+ 0.4	13.4	11.1	..	1	30	0	0	0	0	0	0
PANJIM	29.2	..	30.4	11	24.4	..	22.7	08	113.0	332.0	..	60.4	03	23	..	20.7	19.9	..	0	31	0	0	0	0	0	0
PORMUGAO	28.4	+0.6	29.4	26	24.1	+0.2	22.7	30	83.4	223.7	-177.7	46.7	02	23	+ 0.4	23.5	24.8	+6.0	1	29	0	0	1	0	0	0
DABOLIM (NAVAL AIR STN.)	29.4	..	30.2	19	24.6	..	22.8	02	87.3	291.5	..	88.5	02	25	..	..	..	..	0	30	0	0	0	0	0	0
MADHYA MAHARASHTRA																										
NANDURBAR	29.4	-0.3	31.0	08	22.9	-0.8	21.6	25	..	146.1	..	..	..	..	..	12.7	9.5	-0.9	.	..	0	0	0	0	0	0
JALGAON	30.6	-0.6	32.3	28	23.3	-0.1	21.9	22	92.8	215.7	+ 45.3	51.0	03	15	+ 3.5	16.0	11.7	-0.6	0	27	0	0	0	0	0	0
MALEGAON	30.4	-0.3	32.7	29	21.1	-1.2	19.6	26	19.0	38.1	- 35.6	16.6	03	3	- 2.1	17.0	12.4	+0.8	0	3	0	0	0	0	0	0
DEZAR	28.1	..	29.6	29	20.2	..	19.0	26	31.1	53.1	..	10.2	03	5	..	27.3	21.1	..	2	22	0	0	0	0	0	0
AHMADNAGAR	29.8	+0.4	32.3	28	20.9	0.0	19.3	22	9.4	24.0	- 47.7	9.2	02	3	- 1.6	15.8	10.7	+0.3	0	9	0	0	0	0	0	0
KHANDALA	..	..	..	..	..	..	..	..	..	1098.4	-155.9	141.0	02	30	+ 1.1	..	..	..	0	31	..	..	..	..	..	..
POONA AERODROME	27.6	..	30.6	23	20.3	..	19.0	31	20.6	73.0	..	20.5	02	8	..	..	..	..	1	22	0	0	0	0	0	0
POONA	27.1	-0.4	28.7	16	21.6	+0.3	20.4	31	26.2	76.5	- 20.0	20.9	03	8	- 0.2	16.7	12.4	..	2	22	0	0	0	0	0	0
JEUR	30.3	-0.4	33.4	27	21.3	+0.3	19.5	22	10.0	27.4	- 61.0	9.6	02	4	- 2.7	23.7	16.9	+1.3	0	6	0	0	0	0	0	0
BARAMATI	28.8	-0.6	31.5	26	21.4	-0.1	20.3	25	5.2	21.2	- 65.4	12.7	03	2	- 4.0	20.4	14.3	-2.3	0	3	0	0	0	0	0	0
SHOLAPUR	31.5	+0.2	34.3	27	21.8	-0.1	20.0	31	44.9	82.3	- 21.6	32.4	30	5	- 1.9	15.7	12.3	+0.7	0	8	0	0	1	0	0	0
MIRAJ	28.1	+0.1	30.4	16	21.1	0.0	19.9	27	12.4	30.0	- 80.7	6.8	03	2	- 6.7	..	..	..	0	18	0	0	0	0	0	0
KOLHAPUR	26.3	+0.2	27.8	16	21.0	+0.2	20.2	30	61.0	169.8	- 51.7	29.4	03	22	+ 3.5	22.6	17.6	+1.1	.	31	0	0	0	0	0	0
MARATHWADA																										
AURANGABAD	29.3	+0.1	0.0	00	20.9	-0.3	18.6	22	63.3	137.5	+ 14.8	44.6	24	6	- 2.9	19.3	16.0	-1.2	3	12	0	0	0	0	0	0
AURANGABAD (CHIKALTHAN)	29.5	+0.4	31.7	08	19.9	-2.0	17.2	22	64.4	116.5	- 11.6	27.2	24	7	- 3.8	20.8	15.4	-1.6	1	14	0	0	0	0	0	0
PARBHANI	30.5	+0.1	32.6	08	22.1	-0.1	21.0	29	1.2	107.0	- 37.0	32.0	02	8	- 0.9	14.9	11.0	-1.3	0	10	0	0	0	0	0	0
NANDER	30.8	..	32.6	28	22.0	..	21.0	31	..	..	..	..	..	..	..	12.5	9.2	..	.	..	0	0	2	0	0	0
BIR	30.8	..	33.2	20	22.1	..	20.5	27	13.8	52.1	..	9.6	03	8	..	10.7	10.5	..	0	9	0	0	0	0	0	0
VIDARBHA																										
GONDIA	29.2	-0.7	32.5	17	23.7	-0.4	22.4	13	154.6	367.8	- 57.0	66.2	03	21	+ 4.1	8.0	5.2	-0.1	0	27	0	0	3	0	0	0
NAGPUR (SONEGAON)	30.1	-0.3	32.9	16	23.7	0.0	22.2	25	26.3	103.7	-182.6	35.9	12	9	- 4.6	18.1	12.9	+1.4	1	18	0	0	4	0	0	0
AMRAOTI	30.0	+0.2	33.5	30	23.2	+0.2	22.0	03	20.3	81.7	- 91.5	32.6	03	6	- 3.9	20.5	8.0	-6.1	0	14	0	0	0	0	0	0
AKOLA AERODROME	30.8	..	33.7	17	23.1	..	20.7	01	11.5	93.3	..	56.7	03	8	..	12.0	8.3	..	3	12	0	0	0	0	0	0
AKOLA	30.8	+0.1	33.4	17	23.5	0.0	22.1	28	7.2	123.7	- 36.1	80.2	03	6	- 3.3	14.9	10.0	-1.9	0	13	0	0	0	0	0	0
BRAMHAPURI	29.6	-0.3	32.6	16	22.0	-1.8	20.6	13	153.8	408.5	- 47.1	96.8	03	19	0.0	11.0	6.9	-0.7	0	22	0	0	3	0	0	0
BULDANA	27.6	+0.6	29.9	08	21.2	+0.1	19.4	22	26.7	229.3	+ 38.3	125.0	03	9	- 3.2	11.7	10.5	-1.0	0	14	0	0	1	0	0	0
YEOTMAL	29.0	-0.1	32.4	17	22.5	+0.2	21.3	12	35.6	106.4	-160.6	25.6	03	10	- 3.0	20.1	16.8	+2.3	0	14	0	0	0	0	0	0
CHANDRAPUR	30.2	-0.3	33.0	17	24.4	+0.3	22.6	17	89.7	248.4	- 59.7	34.5	03	16	+ 1.5	16.7	10.4	+2.1	2	20	0	0	6	0	0	0
PUSAD	30.9	..	33.8	17	23.1	..	22.0	12	18.[illegible]	92.6	..	18.2	18	12	..	..	..	..	0	13	0	0	0	0	0	0
SIRONCHA	30.8	+0.1	33.8	10	24.1	-0.4	22.5	30	134.0	395.8	- 39.1	136.8	30	15	- 1.3	8.7	5.2	-0.4	2	18	0	0	3	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – AUGUST 1967 (SRAVANA 10 - BHADRA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with										
																			Precipitation										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
VIDARBHA (CONTD.)																												
WARDHA	30.7	..	33.2	17	22.9	..	21.6	18	19.1	125.8	..	59.9	03	10	..	15.0	10.4	..	2	1	0	0	0	0	0	0	0	0
BHANDARA	29.5	..	32.5	17	22.7	..	21.2	12	97.8	281.3	..	65.2	30	18	..	5.5	3.9	..	0	2	..	..	..	..	..	..	..	..
COASTAL ANDHRA PRADESH																												
KALINGAPATAM	31.1	-0.8	33.3	16	24.9	-1.1	22.3	01	152.3	216.0	+ 43.8	..	..	..	..	15.8[a]	11.9[a]	+0.1	.	..	0	0	8	0	0	0	0	0
VISHAKHAPATNAM	32.8	+0.8	35.7	07	25.8	-0.2	23.0	16	51.8	75.9	- 45.3	24.7	16	6	- 1.5	19.4	14.0	+0.5	0	12	0	0	6	0	0	0	0	0
KAKINADA	31.4	-0.4	33.6	09	25.6	0.0	23.0	18	12.6	98.4	- 46.6	16.6	19	11	+ 1.3	13.6	10.3	-0.7	0	18	0	0	0	0	0	0	0	0
NIDADAVOLE	31.2	+0.5	33.8	16	25.2	+0.3	22.5	23	24.8	118.8	- 89.5	50.6	19	10	- 1.3	18.6	12.2	+0.7	0	15	0	0	0	0	0	0	0	0
KENTACHINTALA	34.0	+0.1	37.0	27	26.2	+0.6	22.4	29	20.0	52.6	- 63.5	19.0	29	4	- 3.7	11.4	13.1	+1.3	0	4	0	0	0	0	0	0	0	0
GANNAVARAM	32.1	0.0	35.1	16	25.1	0.0	22.3	16	56.6	225.2	+ 20.9	87.8	16	9	- 2.9	22.8	14.9	-3.4	1	15	0	0	3	0	0	0	0	0
MASULIPATAM	32.3	+0.1	34.8	13	24.3	-1.5	21.0	14	24.4	182.8	+ 30.4	57.6	14	12	+ 2.1	6.0	5.0	-6.0	0	18	0	0	0	0	0	0	0	0
ONGOLE	35.5	+1.4	38.4	27	..	..	..	..	6.9	48.7	- 50.3	20.6	28	5	- 1.3	15.4	11.6	+1.3	0	6	0	0	0	0	0	0	0	0
NELLORE	35.9	+0.7	37.9	17	26.5	0.0	23.8	28	18.2	51.5	- 24.4	18.7	28	6	+ 0.8	..	..	..	1	6	0	0	3	0	0	0	0	0
TELANGANA																												
RAMGUNDAM	31.5	+0.2	35.2	16	24.4	0.0	22.6	29	61.4	231.2	+ 0.5	56.0	29	13	- 1.2	9.2	6.4	+0.1	0	20	0	0	0	0	0	0	0	0
NIZAMABAD	30.9	+0.8	33.7	16	23.3	+0.3	21.2	29	31.7	149.2	- 88.5	40.2	29	11	- 2.3	10.7	8.7	+1.6	0	13	0	0	1	0	0	0	0	0
WARANGAL	30.3	-0.6	32.9	07	23.9	-0.3	21.4	29	18.8	116.8	- 57.7	35.6	29	10	- 0.8	13.1	10.0	-0.7	0	14	0	0	0	0	0	0	0	0
HAKIMPET AERODROME	29.1	..	31.5	26	21.2	..	16.3	28	12.8	150.9	..	79.1	29	6	..	..	..	..	0	11	0	0	1	0	0	0	1	0
BHADRACHALLAM	31.4	+0.1	35.0	16	24.6	0.0	22.4	17	114.4	303.4	+ 21.7	55.6	29	12	- 2.4	7.4	5.5	-1.7	0	8	0	0	1	0	0	0	0	0
HYDERABAD (BEGAMPET)	30.4	+0.9	33.0	26	21.2	-0.9	19.2	29	9.3	146.4	+ 11.3	90.0	29	6	- 3.5	26.0	21.9	+3.6	1	10	0	0	0	0	0	0	2	0
KHAMMAM	31.5	-0.7	34.4	16	25.0	+0.3	22.4	30	57.0	173.2	- 17.2	33.7	30	12	+ 0.8	..	..	..	0	14	0	0	0	0	0	0	0	0
MAHBUBNAGAR	29.9	+0.4	32.6	17	22.4	+0.2	20.9	29	16.2	111.6	- 97.6	32.6	30	9	- 5.8	11.6	10.6	-2.6	0	15	0	0	0	0	0	0	0	0
RAYALASEEMA																												
KURNOOL	32.8	+0.7	35.9	27	23.3	-0.2	21.6	30	27.9	63.8	- 39.3	27.4	30	7	- 1.1	25.2	20.9	+2.5	1	11	0	0	0	0	0	0	0	0
NANDYAL	32.9	..	35.7	27	23.0	..	20.6	30	24.9	73.4	..	24.2	30	7	..	17.0	13.2	..	0	9	0	0	0	0	0	0	0	0
ANANTAPUR	32.6	+0.2	35.1	27	23.9	+0.4	21.9	31	3.2	16.3	- 68.3	5.5	31	3	- 1.9	22.8	19.3	+1.3	1	5	0	0	1	0	0	0	0	0
CUDDAPAH	33.1	-0.9	36.1	17	25.7	+0.3	23.3	28	4.8	37.4	- 84.0	28.6	28	2	- 5.2	11.0	8.4	-0.3	0	6	0	0	0	0	0	0	0	0
ARUGYAVARAM	30.5	+0.5	32.6	15	22.2	+0.5	21.5	04	3.0	16.5	- 64.2	6.0	11	3	- 3.1	19.5	14.0	+0.6	0	4	0	0	0	0	0	0	0	0
MADRAS STATE (INCLUDING PONDICHERRY																												
MADRAS	33.1	-0.8	36.3	06	24.4	-1.0	21.9	16	35.3	259.3	+111.9	69.4	23	17	+ 6.6	12.4	9.3	+1.8	0	23	0	0	8	0	0	0	0	0
MADRAS (MINAMBAKKAM)	33.5	-1.0	36.6	06	24.5	-1.3	21.4	16	36.1	395.3	+282.3	98.7	16	17	+ 9.2	14.3	11.7	-1.9	0	20	0	0	18	0	0	0	0	0
VELLORE	33.7	-0.4	36.3	15	24.1	-0.9	22.1	16	9.2	92.0	- 46.4	23.1	09	7	- 0.6	12.5	9.9	+1.4	2	14	0	0	8	0	0	0	0	0
TAMBARAM AERODROME	33.9	..	38.8	06	24.2	..	20.8	16	15.2	436.7	..	86.5	16	16	..	..	..	..	0	17	0	0	18	0	0	0	0	0
TIRUPPATTUR	33.5	+0.1	35.4	07	22.5	-0.4	19.6	01	..	..	..	..	..	..	..	8.3[a]	7.3[a]	-0.5	0	0	0	0	0	0	0	0	0	0
METTUR DAM R.S.	34.2	..	36.0	07	..	..	..	..	18.9	25.7	..	9.0	10	3	..	.	7.3[b]	..	0	6	0	0	0	0	0	0	0	0
CUDDALORE	34.7	+0.2	37.0	05	24.7	-0.7	22.0	17	12.5	118.3	+ 4.2	18.3	29	10	+ 3.0	9.6[a]	8.8[b]	-1.0	0	13	0	0	10	0	0	0	0	0
KALLAKKURICHCHI	34.9	0.0	0 0	00	24.8	0.0	0.0	00	74.6[a]	126.2	..	..	..	..	..	8.4	7.8	..	.	..	0	0	9	0	0	0	0	0
SALEM	32.9	-0.3	34.4	21	23.7	+0.3	22.8	20	12.0	79.4	- 77.3	15.8	29	9	- 1.5	7.5	5.9	-2.0	0	17	0	0	7	0	0	0	0	0
COIMBATORE (PILAMEDU)	31.0	-0.1	32.5	21	21.5	-0.3	19.9	06	0.0	2.9	- 19.2	1.5	03	0	- 2.3	36.5	29.6	-1.2	3	2	0	0	1	0	0	0	0	0
COIMBATORE	30.5	+0.6	32.6	21	21.1	-1.0	19.3	06	..	3.0	- 30.0	2.8	03	1	- 2.2	.	16.3	+1.4	1	1	0	0	0	0	0	0	0	0
NAGAPATTINAM	34.4	0.0	36.7	06	25.6	-0.4	22.5	20	8.8	134.2	+ 64.9	35.2	09	8	+ 3.4	13.3	10.3	0.0	0	13	0	0	6	0	0	0	0	0
TIRUCHCHIRAPPALLI	35.9	+0.8	38.1	11	25.4	0.0	21.8	16	12.5	110.3	+ 12.8	41.7	16	9	+ 4.2	19.6	15.8	-0.0	0	13	0	0	6	0	0	0	3	0
VEDARANNIYAM	33.6	..	36.8	07	25.3	..	22.5	15	44.2	104.2	..	43.0	15	5	..	6.4	4.7	..	1	7	0	0	4	0	0	0	0	0
ATIRAMPATTINAM	33.5	..	37.2	07	25.2	..	23.0	29	5.0	64.4	..	21.8	09	5	..	15.4	11.3	..	0	8	0	0	2	0	0	0	0	0
MADURAI	36.0	+0.7	37.7	08	24.6	-0.6	22.9	16	..	33.7	- 77.8	8.1	15	7	+ 0.7	.	8.2	+1.2	0	7	0	0	1	0	1	0	0	0
MADURAI AERODROME	35.8	+0.2	38.1	11	24.5	-0.8	22.1	29	44.6	58.1	- 21.2	27.4	14	3	- 0.2	12.5	9.7	-3.6	2	6	0	0	6	0	0	0	0	0
TONDI	32.4	-0.3	38.4	02	25.8	-0.1	23.7	30	3.0	29.2	- 4.0	15.2	17	3	+ 0.6	19.0	13.4	-2.4	0	5	0	0	9	0	0	0	0	0
PAMBAN	31.4	-0.1	32.7	25	26.5	+0.1	24.0	19	0.7	2.4	- 10.8	1.7	27	0	- 0.9	18.5	17.2	-1.6	0	2	0	0	0	0	0	0	0	0
TUTICORIN	35.6	+1.1	37.7	11	26.1	-0.2	24.4	03	0.0	0.0	- 5.0	0.0	..	0	- 0.8	21.1	18.4	-0.8	0	0	0	0	0	0	0	0	0	0
PALAYANKOTTAI	35.5	+0.7	37.6	16	25.9	-0.5	24.5	03	4.4	4.4	- 12.1	4.4	02	1	- 0.1	19.6	16.2	-1.4	0	1	0	0	0	0	0	0	0	0
KANNIYAKUMARI	29.9	..	33.0	25	23.5	..	21.6	06	7.5	44.1	..	17.8	03	4	..	20.4	18.6	..	0	5	0	0	2	0	0	0	0	0
PONDICHERRY	●	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
COASTAL MYSORE																												
KARWAR	28.9	+1.0	30.0	17	24.6	+0.5	22.7	03	140.2	417.2	-119.2	119.8	03	23	- 1.2	11.9	10.8	..	0	29	0	0	0	0	0	0	0	0
HONAVAR	28.1	-0.2	31.1	15	23.9	+0.4	22.4	31	221.4	636.2	- 66.4	157.1	03	26	+ 0.3	..	..	..	0	30	0	0	0	0	0	0	0	0
MANGALORE (BAJPE)	28.3	+0.3	30.0	16	22.7	-0.1	21.2	31	297.0	889.0	+ 77.5	125.3	03	29	+ 3.3	10.3	7.3	-1.2	0	30	0	0	2	0	0	0	0	0
MANGALORE	28.8	+0.3	30.4	14	23.3	-0.3	21.6	06	234.0	730.8	+123.7	66.6	05	29	+ 3.9	9.8	8.5	+0.6	0	29	0	0	1	0	0	0	0	0
INTERIOR MYSORE DIST.																												
BIDAR	29.1	+0.[illegible]	31.6	28	20.8	-0.2	18.8	09	10.5	90.5	- 76.1	47.4	29	5	- 4.1	24.8[a]	23.0[a]	+4.5	2	9	0	0	0	0	0	0	0	0
GULBARGA	31.1	-0.1	34.0	26	21.8	-0.4	20.0	31	9.2	80.6	- 51.0	26.2	17	6	- 1.7	23.1	18.8	+1.3	0	11	0	0	0	0	0	0	0	0
BIJAPUR	33.4	-0.3	33.4	28	21.5	+0.2	20.1	31	22.2	36.4	- 29.4	14.4	30	2	- 2.2	18.3	14.2	+0.7	2	10	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - AUGUST ,1967(SRAVANA 10 - BHADRA 9,1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation: 0.1 & 0.2 mm.	Precipitation: 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27
INTERIOR MYSORE NORTH (CONT).)																											
RAICHUR	32.5	+0.6	35.5	16	22.8	0.0	21.3	31	38.1	98.3	-19.6	49.4	30	4	-4.0	24.1	20.2	+2.0	0	11	0	0	0	0	0	0	
BELGAUM	25.4	-0.2	27.0	27	20.3	+0.9	19.7	03	84.8	299.8	+59.5	56.0	03	26	+7.9	11.8	9.5	-4.0	2	29	0	0	0	0	0	0	
BELGAUM(SAMRA)	25.1	-0.1	26.6	16	20.4	+0.6	19.6	15	46.0	161.5	-10.8	33.6	03	16	+1.3	23.2	18.5	-4.7	0	31	0	0	1	0	0	0	
GADAG	28.1	-0.8	30.4	17	20.9	0.0	20.0	31	20.4	30.8	-61.4	9.6	03	3	-4.3	21.5	18.1	+0.6	5	15	0	0	0	0	0	0	
INTERIOR MYSORE,SOUTH																											
BELLARY	31.4	0.0	34.0	27	24.0	+0.5	22.0	30	10.5	20.0	-49.3	10.0	30	3	-1.0	20.5	15.3	+1.7	0	4	0	0	0	0	0	0	
CHITRADURGA	27.6	-0.5	30.0	27	21.0	+0.5	20.0	07	30.0	40.2	-49.2	12.2	30	5	-2.5	14.9	13.5	+0.4	1	8	0	0	0	0	0	0	
SHIMOGA	27.5	+0.4	29.6	28	20.1	-0.9	19.2	31	30.6	85.0	-42.7	22.8	03	9	-5.1	8.2	5.0	-1.3	0	16	0	0	0	0	0	0	
AGUMBE	22.8	..	31.2	18	19.8	..	18.8	29	..	2263.0	..	180.0	19	31	..	.	7.9	..	0	31	0	0	0	0	0	0	
BALEHONNUR	23.6	+0.4	26.8	15	19.4	+0.8	17.2	31	..	599.6	+6.5	102.0	03	26	+1.7	..	..	..	0	30	0	0	0	0	0	0	[illegible]
HASSAN	24.9	-0.6	27.1	16	18.1	-0.7	16.9	19	26.2	80.4	-18.9	17.0	03	8	-1.6	13.9	10.6	-3.0	0	18	0	0	0	0	0	0	
BANGALORE	27.4	+0.1	30.1	16	18.0	-1.2	17.2	30	11.2	93.0	-43.7	28.0	16	8	-1.5	15.0	10.9	-4.3	2	14	0	0	2	0	0	0	
BANGALORE AERODROME	27.6	-0.3	29.5	16	18.9	-0.5	18.0	06	7.0	56.2	-42.9	11.1	28	8	+0.1	.	0.0	..	1	20	0	0	40	0	0	0	[illegible]
MYSORE	25.7	-2.2	28.0	16	19.9	+0.3	18.6	07	29.2	38.9	-48.2	6.2	06	5	+4.7	20.2	14.2	+1.7	0	20	0	0	0	0	0	0	[illegible]
KERALA																											
CALICUT	28.3	-0.4	30.7	16	23.3	-0.3	21.6	06	138.0	599.6	+159.9	77.4	04	26	+6.3	6.8	5.2	-3.7	1	30	0	0	0	0	0	0	[illegible]
PALGHAT	28.5	-0.3	30.6	16	22.3	-0.8	20.8	06	164.6	375.6	+88.5	57.6	04	23	+5.1	12.5	10.5	-3.1	0	25	0	0	1	0	0	0	[illegible]
FORT COCHIN	28.2	+0.1	30.0	17	22.7	-1.3	19.8	06	118.4	636.9	+257.2	56.2	24	29	+9.7	10.6	8.4	-1.5	0	31	0	0	5	0	0	0	[illegible]
COCHIN(NAVAL AIR STATION)	28.8	..	30.4	01	23.0	..	20.6	21	130.5	539.5	..	65.6	24	29	..	9.8	8.1	..	0	30	0	0	8	1	0	3	[illegible]
ALLEPPEY	28.7	-0.1	30.6	01	23.2	-0.3	21.7	06	158.2	654.0	+276.2	86.6	05	24	+4.4	12.1	9.7	-1.4	0	26	0	0	0	0	0	0	[illegible]
PUNALUR	30.1	+0.3	32.3	01	22.2	-0.5	20.8	06	175.4	414.8	+117.2	36.4	05	24	+4.9	5.8	3.9	-0.9	0	26	0	0	0	0	0	0	[illegible]
TRIVANDRUM	29.2	-0.2	31.1	16	22.8	-0.5	19.9	06	42.7	154.6	+9.1	36.5	02	12	+1.2	15.5	10.5	-0.7	0	19	0	0	4	0	0	0	[illegible]
TRIVANDRUM AERODROME	29.1	-0.1	31.3	08	23.1	-0.4	20.7	06	38.8	109.1	-40.2	28.9	03	10	-0.7	.	14.1	+4.1	1	18	0	0	2	0	0	0	[illegible]
ARABIAN SEA ISLANDS																											
AMINI	29.6	+0.2	30.7	18	25.5	0.0	22.9	07	36.2	101.9	-115.3	23.9	04	8	-4.3	28.7	29.9	+7.0	3	19	0	0	0	0	0	1	[illegible]
AGATTI	29.1	..	30.0	16	26.7	..	24.1	03	57.5	154.4	..	40.9	23	12	..	23.5	23.0	..	0	17	0	0	3	0	0	0	[illegible]
ANDROTH	30.3	..	32.5	17	..	..	..	..	90.7	334.5	..	60.2	04	16	..	6.2	5.3	..	0	24	0	0	0	0	0	0	[illegible]
MINICOY	29.5	+0.1	31.1	03	24.5	-0.6	22.0	20	93.4	278.9	+69.6	55.0	08	17	+4.6	16.9	14.7	-0.2	0	22	0	0	5	0	0	0	[illegible]
HILL STATIONS(EXCLUDING KASHMIR)																											
DALHOUSIE	23.2	+0.5	25.6	22	16.1	-0.4	12.2	30	174.2	533.0	-67.5	70.2	17	19	-2.7	..	..	..	0	22	0	0	6	0	0	0	[illegible]
DHARMASALA	26.0	-0.3	28.5	22	19.8	-0.7	16.8	28	331.3	985.8	-50.4	169.0	03	28	+4.3	4.3	2.9	-0.7	1	29	0	0	13	0	0	0	[illegible]
BHUNTAR	29.1	..	32.2	22	19.3	..	15.6	28	73.4	226.1	..	53.0	26	13	..	13.5	8.3	..	1	20	0	0	5	0	0	0	[illegible]
SIMLA	19.8	-0.3	23.2	09	14.4	-0.8	12.6	26	199.9	276.1	-143.0	49.1	26	18	-2.0	2.5	2.1	-0.3	0	28	0	0	0	0	0	0	[illegible]
DHARMPUR	..	..	..	..	..	..	..	..	..	438.4	+68.3	74.2	25	22	+4.4	..	..	..	0	27	..	..	..	..	..	..	..
GHANGARIA (KANJALIA TOK)	16.2	+7.0	20.4	22	11.6	+6.6	8.3	28	..	421.8	-19.0	30.2	26	30	+5.5	..	..	..	0	31	0	0	0	0	0	0	0
BADRINATH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
JOSHIMATH	23.2	-1.0	27.0	22	16.6	-0.7	13.8	26	69.6	370.2	+87.3	45.0	05	26	+6.2	5.0	3.4	-0.3	0	28	0	0	0	10	0	0	0
MUSSOORIE	19.8	-0.4	23.1	01	14.6	-1.0	12.2	28	371.2	799.3	-18.9	131.0	06	26	+2.1	7.7	6.8	+2.1	0	28	0	0	4	0	0	0	0
MUKTESHAR (KUMAON)	18.9	-1.2	22.6	21	13.9	-0.6	12.1	27	255.0	477.0	+170.7	57.6	27	23	+5.2	11.7	12.8	+2.7	0	27	0	0	6	6	0	0	0
NAINITAL	20.2	-0.9	23.0	21	15.8	-0.6	10.0	27	433.0	970.0	+409.3	177.0	27	25	+2.1	11.9	9.7	+2.7	0	25	0	0	0	0	0	0	0
KALIMPONG	27.0	+2.7	27.8	23	21.9	+2.6	20.2	01	223.2	521.2	+16.8	88.4	08	22	+0.5	8.6	7.0	-0.5	0	28	0	0	0	0	0	0	0
DARJEELING	20.9	+1.1	24.6	18	15.1	-0.3	13.8	25	111.2	342.4	-301.0	50.0	07	18	-5.8	3.1	2.9	+0.8	0	21	0	0	1	8	0	0	0
KOHIMA	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SHILLONG(C.S.O.)	24.7	0.0	27.2	02	17.9	-0.6	16.5	17	64.3	152.5	-190.2	28.8	21	16	-3.0	6.1	4.3	+1.1	2	23	0	0	1	2	0	0	0
CHERRAPUNJI	24.8	+2.3	25.3	03	17.4	-1.0	16.1	24	167.0	1006.9	-793.4	196.5	08	26	-0.1	5.8	7.3	-1.2	0	26	0	0	0	23	0	0	0
ABU	21.7	-0.8	23.6	20	17.9	-0.4	16.8	27	163.6	577.8	-75.2	83.8	01	26	+8.4	10.7	8.3	-2.8	0	29	0	0	0	11	0	0	0
AIJAL	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
PACHMARHI	22.6	-1.2	25.4	30	18.9	-0.7	17.3	26	279.4	664.2	+20.3	113.6	13	22	0.0	9.8	11.3	+3.0	0	30	0	0	2	0	0	0	0
MAHABALESHWAR	18.5	-0.4	19.0	16	16.8	+0.5	15.5	31	439.7	1330.8	-433.5	255.1	02	31	+1.4	22.6	22.3	+5.0	0	31	0	0	0	31	0	0	0
MERCARA	20.2	-0.5	22.0	16	..	..	..	..	263.0	686.8	+4.1	115.0	04	30	+3.4	17.7	17.0	+1.5	0	31	0	0	0	0	0	0	0
OOTACAMUND	17.9	+0.6	20.1	17	10.1	-0.8	9.0	27	32.0	70.4	-76.7	20.8	04	8	-4.9	18.9	8.8	-0.1	0	11	0	0	0	0	0	0	0
COONOOR	22.3	+0.8	23.8	07	13.7	-0.9	10.9	26	..	47.4	-46.5	18.8	25	5	-3.3	..	..	..	0	15	0	0	0	0	0	0	0
KODAIKANAL	18.6	+1.1	20.9	11	11.3	-0.2	10.2	29	122.7	141.9	-35.1	31.2	14	12	0.0	11.4	14.9	+1.1	0	20	0	0	3	0	0	0	0
NEPAL																											
KATMANDU	28.1	-0.4	30.4	22	20.0	+0.1	18.4	19	79.3	353.5	+6.4	63.4	23	21	+1.1	0.9	0.2	-1.0	0	28	0	0	14	0	0	0	0
SIKKIM																											
LACHEN	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
HYDROMETEOROLOGICAL OBSERVATORIES DAMODAR CATCHMENT																											
TILAIYA	29.8	..	32.4	05	24.0	..	21.8	29	125.4	412.2	..	58.8	19	21	..	12.2	8.9	..	0	26	0	0	0	0	0	0	0
HAZARIBAGH	28.2	..	30.1	05	22.0	..	20.5	29	213.8	444.1	..	85.2	11	20	..	8.9	5.9	..	1	26	0	0	7	0	0	0	0

TABLE II – SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – AUGUST 1967 (SRAVANA 10 – BHADRA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena – No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Br. or dust	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
ANDAR CATCHMENT.(CONTD.)																												
KONAR	33.1	..	34.2	01	20.6	..	19.3	01	165.2	321.4	..	48.0	17	21	..	7.2	5.3	..	0	26	0	0	0	0	0	0	0	0
BOKARO	31.5	..	34.0	16	21.7	..	19.8	29	172.6	395.9	..	65.2	19	21	..	7.2	6.6	..	1	26	0	0	0	0	0	0	0	0
MAITHON	32.0	..	36.5	08	23.3	..	21.5	29	187.4	452.6	..	65.2	19	24	..	3.0	2.5	..	0	26	0	0	24	0	0	0	0	0
RAMGARH	31.8	..	35.4	10	22.4	..	20.0	11	158.4	425.1	..	69.2	20	24	..	7.1	5.1	..	1	27	0	0	2	0	0	0	0	0
PANCHET HILLS	31.2	..	33.0	29	25.5	..	23.7	29	218.7	467.3	..	45.4	27	24	..	5.7	4.1	..	0	27	0	0	4	0	0	0	0	0
DURGAPUR	31.5	..	33.7	15	25.1	..	24.0	05 & 18	148.3	474.4	..	75.8	19	21	..	12.7	10.3	..	0	24	0	0	[illegible]	0	0	0	0	0
AMANADI CATCHMENT																												
GINABAHAR	29.5	..	33.1	30	23.1	..	21.9	29	..	475.1	..	85.6	04	24	..	..	..	..	0	26	0	0	[illegible]	0	0	0	0	0
HIRAKUD	30.5	..	33.0	03	25.0	..	23.5	29	92.8	420.7	..	89.2	11	20	..	4.3	3.4	..	0	29	0	0	8	0	0	0	0	0
BHIMKUND	30.0	..	32.0	16	23.8	..	22.6	11	159.5	387.0	..	95.5	19	15	..	7.0	3.5	..	0	24	0	0	16	0	0	0	0	0
SONEPUR	30.1	..	34.0	03	24.4	..	23.1	29	..	728.5	..	125.5	02	21	..	.	11.1	..	0	22	0	0	0	0	0	0	0	0
KHIJRAWAN	28.1	..	30.9	17	23.1	..	21.1	01	143.0	476.5	..	104.9	02	14	..	14.0	10.5	..	2	25	0	0	0	0	0	0	0	0
RHADA CATCHMENT																												
BAGRA TAWA	28.1	..	32.2	08	22.1	..	20.6	13	255.2	512.2	..	129.2	03	19	..	11.5	8.6	..	1	22	0	0	2	0	0	0	0	0
PUNASA	29.5	..	31.8	30	..	..	..	..	85.6	156.5	..	80.0	31	7	..	15.7	13.4	..	0	13	0	0	0	0	0	0	0	0
THIKRI	30.9	..	33.3	02	23.7	..	22.0	30	..	118.8	..	36.0	31	11	..	..	..	..	0	23	0	0	0	0	0	0	0	0
BAKRATI CATCHMENT																												
DAKOI	30.7	..	33.0	30	..	..	..	..	24.8	246.0	..	84.3	24	16	..	..	..	..	0	22	..	..	..	..	..	.	..	.
ANDAK CATCHMENT																												
JAMDOSH	24.1	..	26.1	04 & 18	13.3	..	11.6	27	1.0	72.5	..	13.7	07	9	..	..	..	..	0	12	..	..	..	..	..	.	..	.
KHURI BAZAR	29.1	..	31.4	21	20.4	..	19.2	29	168.2	723.2	..	86.8	15	28	..	..	..	..	0	31	..	..	..	..	..	.	..	.
TIMURE	25.5	..	27.9	22	17.1	..	15.4	29	13.9	289.4	..	58.0	10	27	..	..	..	..	0	30	..	..	..	..	..	.	..	.
POKHARA	29.3	..	31.8	02	21.8	..	20.1	29	176.2	669.0	..	103.2	23	26	..	0.2	0.2	..	1	28	0	0	8	0	0	0	0	0
GORKHA	27.6	..	30.1	21	20.1	..	18.4	29	43.3	360.6	..	60.8	03	21	..	..	..	..	1	26	0	0	12	24	0	0	0	0
NUWAKOT	29.6	..	31.0	19	21.2	..	20.0	29	31.0	397.3	..	59.0	11	25	..	..	..	..	0	28	..	..	..	..	..	.	..	.
AGHARA CATCHMENT (TRANS MALAYAN REGION)																												
DAILEKH	25.2	..	27.7	21	19.7	..	17.6	31	145.1	528.5	..	69.0	04	23	..	..	..	..	0	24	..	..	..	..	..	.	..	.
AGHARA CATCHMENT																												
SALIYANA	26.1	..	28.5	21	19.4	..	17.7	27	48.9	171.3	..	30.0	26	14	..	..	..	..	0	21	..	..	..	.	..	.	..	.
BUTWAL	32.7	..	35.4	02	25.3	..	23.9	29	319.7	565.3	..	74.0	05	21	..	..	..	..	0	21	..	..	..	.	..	.	..	.
GHMATI CATCHMENT																												
KATMANDU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	.	..	.	..	.
SI CATCHMENT																												
CHAUTARA	27.8	..	29.1	20	19.3	..	18.1	29	95.1	637.2	..	65.2	21	27	..	..	..	..	0	27	..	..	..	.	..	.	..	.
WALUNGCHUNG GOLA	..	..	..	..	2.4	..	1.5	06 & 18	152.2	429.9	..	35.1	18	30	..	..	..	..	0	31	..	..	..	.	..	.	..	.
TAPLETHOK	28.0	..	31.6	18	13.3	..	17.2	31	106.4	469.6	..	72.2	02	26	..	..	..	..	0	31	..	..	..	..	..	.	..	.
BHOJPUR	24.5	..	27.0	02	18.8	..	18.1	27	25.6	94.4	..	34.6	10	7	..	..	..	..	1	8	..	..	..	..	..	.	..	.
TAPLEJUNG	25.2	..	27.0	28	17.6	..	16.3	31	213.5	364.0	..	76.4	23	22	..	5.0	2.6	..	0	27	0	0	8	5	0	0	0	0
IKHALOHUNGA	25.8	..	29.1	29	17.3	..	16.2	25	90.3	316.7	..	79.4	16	14	..	1.3	1.4	..	2	19	0	0	10	15	0	0	0	0
CHAINPUR	28.0	..	30.7	29	20.1	..	19.0	19	82.9	357.5	..	57.8	04	21	..	..	..	.	0	22	..	.	..	..	..	.	..	.
ANGBUNG	30.8	..	32.7	06	..	..	..	..	20.0	53.2	..	31.2	08	2	..	..	..	..	0	2	..	..	..	.	..	.	..	.
BARAHAKSHETRA	31.8	..	34.8	01	25.2	..	23.8	26	485.9	508.5	..	101.4	19	21	..	5.9	3.1	..	1	25	0	0	10	0	0	0	0	0
STA CATCHMENT																												
GANGTOK	24.3	..	28.1	02	16.7	..	15.3	27	161.2	499.6	..	38.2	15	28	..	3.8	3.4	..	0	31	0	0	9	20	0	0	0	0
GEZING	27.4	..	30.3	29	18.0	..	16.4	25	70.1	210.7	..	47.2	14	13	..	..	..	..	0	25	..	..	..	..	..	.	..	.

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — AUGUST 1967 (SRAVANA 10 - BHADRA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations											
			At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
BAY ISLANDS																										
MAYA BANDAR	0830	28	1007.6	1004.5	-0.3	26.4	25.5	25.1	31.9	92	+ 6	7.3	+1.0	21.2	0	18	13	00	0	0	0	0	15	16	0	0
	1730	28	1005.4	1002.3	-0.5	27.0	25.8	25.3	32.2	90	+ 2	7.4	+0.9	23.9	0	20	11	00	0	0	0	0	15	16	0	0
LONG ISLAND	0830	25	1008.1	1005.3	+0.0	26.6	25.2	24.6	30.9	89	+ 4	7.2	+0.8	5.7	0	0	30	00	0	0	0	0	23	7	0	1
	1730	25	1006.1	1003.3	+0.0	26.8	25.3	24.7	31.1	87	+ 1	7.3	+0.7	5.2	0	0	30	00	0	0	0	0	22	8	0	1
PORT BLAIR	0530	79	1007.0	998.0	..	25.6	24.4	23.9	29.7	90	..	7.1	..	14.3	0	11	17	00	0	0	0	6	22	0	0	3
	0830	79	1008.4	999.5	+0.0	26.9	25.3	24.6	30.9	87	+ 3	6.9	-0.1	21.7	0	19	11	00	0	0	0	7	22	1	0	1
	1130	79	1007.5	998.7	..	27.6	25.4	24.4	30.5	84	..	7.4	..	27.7	0	24	5	00	0	0	0	10	18	1	0	2
	1430	79	1005.9	997.0	..	27.5	25.5	24.5	30.7	85	..	7.5	..	25.2	0	25	6	00	0	0	0	7	23	1	0	0
	1730	79	1006.4	997.5	+0.2	26.5	25.0	24.3	30.4	88	+ 0	7.4	-0.5	16.8	0	14	15	00	0	0	0	9	20	0	0	2
	2030	79	1008.4	999.4	..	26.2	24.9	24.4	30.5	90	..	6.1	..	16.1	0	13	17	00	0	0	0	7	22	1	0	1
	2330	79	1007.8	998.9	..	26.1	24.9	24.4	30.5	90	..	6.5	..	17.4	0	16	13	00	0	0	0	7	21	1	0	2
CAR NICOBAR	0830	10	1009.4	1008.2	+0.4	28.4	25.7	24.5	30.7	80	- 3	6.1	-0.3	2.6	0	0	27	00	0	0	0	1	18	8	0	4
	1730	10	1007.5	1006.3	+0.5	27.1	24.9	23.9	29.7	83	- 3	5.8	-0.5	1.7	0	0	19	00	0	0	0	0	12	7	0	12
NAN COWRY	0830	26	1010.1	1007.2	+0.4	27.7	26.2	25.5	32.6	88	+ 6	5.5	-0.7	11.2	0	0	31	00	0	0	0	0	24	7	0	0
	1730	26	1008.2	1005.4	+0.7	27.0	25.8	25.3	32.2	90	+ 6	5.6	-0.5	10.0	0	1	30	00	0	0	0	1	21	8	1	0
KONDUL	0830	8	1010.7	1009.8	+1.0	28.0	25.2	23.9	29.7	79	- 4	5.9	-0.4	11.8	0	5	26	00	0	0	0	0	31	0	0	0
	1730	8	1008.9	1008.0	+1.3	27.3	24.9	23.7	29.3	82	- 4	6.3	-0.2	9.1	0	3	23	00	0	0	0	0	26	0	0	5
NORTH ASSAM (INCLUDING NEFA)																										
PASIGHAT	0830	157	1002.8	985.3	-1.0	28.1	25.4	24.3	30.4	81	- 5	6.4	-0.4	5.6	0	2	22	00	1	2	1	2	3	0	15	7
	1730	157	997.8	980.6	-1.7	30.9	27.2	25.7	33.0	74	- 8	5.3	+0.1	0.8	0	0	8	00	0	0	3	1	0	0	4	23
DIBRUGARH (MOHANBARI)	0230	111	1000.7	988.3	..	26.3	25.5	25.2	32.1	93	..	6.5	..	4.8	0	0	21	02	11	0	3	1	3	0	1	10
	0530	111	1001.7	989.3	..	25.5	24.8	24.5	30.5	94	..	6.8	..	5.3	0	0	23	03	8	5	2	1	4	0	0	8
	0830	111	1002.8	990.4	-0.8	27.8	25.8	24.9	31.5	85	- 1	6.5	-0.6	6.8	0	0	28	03	15	3	1	2	3	0	1	3
	1130	111	1001.3	989.0	..	30.2	26.7	25.3	32.2	76	..	6.3	..	6.3	0	0	29	04	12	4	1	1	4	1	2	2
	1430	111	998.4	986.2	..	31.6	27.2	25.5	32.6	71	..	5.7	..	6.5	0	0	30	06	9	5	2	0	1	4	3	1
	1730	111	997.9	985.7	-1.3	30.5	27.1	25.7	33.0	76	- 3	4.8	-0.5	3.7	0	0	28	06	5	3	3	0	0	4	7	3
	2030	111	1000.6	988.2	..	28.1	26.7	26.1	33.8	89	..	3.7	..	1.5	0	0	11	02	3	2	2	0	1	1	0	20
	2330	111	1001.2	988.8	..	27.2	26.1	25.7	33.0	91	..	5.3	..	2.9	0	0	17	03	7	3	1	1	0	1	1	14
DIGBOI	0830	152	1002.6	985.7	-2.0	28.2	26.2	25.4	32.4	85	- 2	5.5	-1.1	4.4	0	0	31	02	1	7	6	4	2	4	5	0
	1730	152	997.5	980.8	-3.1	31.7	27.7	26.1	33.8	73	- 4	3.7	-2.2	3.4	0	0	25	02	6	7	3	0	0	5	2	6
NORTH LAKHIMPUR	0830	102	1002.8	991.4	-0.9	27.8	25.8	24.9	31.5	85	- 5	6.2	-0.9	4.4	0	1	24	06	7	2	3	4	3	0	0	6
	1130	102	1001.5	990.2	..	30.4	26.8	25.3	32.2	75	..	5.5	..	4.6	0	0	25	00	9	5	3	3	5	0	0	6
	1430	102	998.7	987.5	..	31.7	27.3	25.5	32.6	70	..	4.4	..	5.0	0	0	25	01	6	8	4	1	5	0	0	6
	1730	102	998.2	986.9	-1.3	30.4	27.3	26.1	33.8	78	- 6	4.0	-1.5	1.7	0	0	18	02	6	5	2	1	1	1	0	13
	2030	102	1000.8	989.4	..	28.0	26.9	26.5	34.6	91	..	3.1	..	1.3	0	0	11	01	2	1	1	0	1	1	4	20
SIBSAGAR	0830	97	(R)																							
	1730	97	(R)																							
GOHPUR	0830	83	1001.7	992.5	..	28.5	26.5	25.7	33.0	85	- 6	6.3	..	4.6	0	0	30	00	11	1	14	0	2	0	1	1
MAJBAT	1730	83	997.1	988.0	..	30.5	27.7	26.6	34.8	81	- 4	4.9	..	1.5	0	0	17	00	7	0	5	1	4	0	0	14
	0830		(R)																							
	1730		(R)																							
JORHAT AERODROME	0530	90	1000.8	990.8	..	26.1	25.6	25.3	32.2	97	..	6.9	..	3.5	0	0	10	02	2	2	0	2	2	0	0	21
	0830	90	1002.2	992.3	..	28.9	26.9	26.1	33.8	86	..	6.3	..	5.6	0	0	16	03	7	1	0	0	2	1	2	15
	1130	90	1000.8	990.9	..	31.8	27.7	26.0	33.6	73	..	5.6	..	8.5	0	1	23	07	9	2	0	0	1	1	3	7
	1730	90	997.5	987.6	..	30.7	27.4	26.1	33.8	77	..	4.8	..	2.8	0	0	11	07	2	1	0	1	0	0	0	20
	2330	90	1000.4	990.3	..	27.0	26.0	25.6	32.8	92	..	5.6	..	0.9	0	0	2	00	0	0	0	0	1	1	0	29
TANGLA	0830	78	1001.8	993.1	-0.8	29.3	26.6	25.5	32.6	80	- 5	5.4	-0.1	1.4	0	0	19	00	0	13	0	1	3	2	0	12
	1730	78	997.3	988.7	-1.6	31.6	28.0	26.6	34.8	75	- 6	4.9	+0.2	0.5	0	0	6	00	0	1	0	0	4	1	0	25
TEZPUR	0830	79	1002.5	993.7	-1.6	28.6	26.2	25.2	32.1	82	- 4	6.9	+0.5	3.0	0	0	26	00	16	1	4	1	4	0	0	5
	1730	79	999.4	990.8	-0.4	31.4	27.5	25.9	33.4	73	- 8	4.7	-0.2	2.5	0	0	23	02	15	0	2	1	3	0	0	8
GOLAGHAT	0830	95	1002.5	991.8	-1.2	28.9	26.4	25.3	32.2	81	- 5	4.5	-2.2	..	.	..	..	..	..	..	..	..	..	..	..	..
	1730	95	998.0	987.5	-1.7	31.3	27.1	25.4	32.4	71	- 7	3.5	-1.9	..	.	..	..	..	..	..	..	..	..	..	..	..
RANGIA	0830	60	1003.1	996.5	..	29.5	27.0	26.0	33.6	82	- 1	5.7	..	5.6	0	1	28	00	5	11	4	2	0	6	1	2
	1730	60	999.4	992.7	..	31.2	28.1	26.9	35.4	76	- 2	4.9	..	2.7	0	0	20	00	2	5	0	2	2	8	1	9
CHAPARMUKH	0830	66	1002.6	995.3	-1.1	29.2	26.7	25.7	33.0	81	- 4	5.7	-0.7	6.1	0	0	29	00	5	6	11	4	1	0	2	0
	1730	66	997.9	990.9	-1.6	30.7	27.2	25.7	33.0	78	- 6	4.4	-1.4	3.8	0	0	23	03	4	2	6	1	3	2	2	4
GOALPARA	0830	38	1001.8	997.5	-1.1	27.7	26.3	25.7	33.0	89	+ 3	6.1	-0.6	1.9	0	0	28	00	9	0	10	0	5	0	4	3
	1730	38	998.3	994.1	-0.9	30.5	27.0	25.5	32.6	76	- 4	5.9	-0.2	2.1	0	0	28	01	6	0	8	1	9	2	1	3
GAUHATI (BHORJOR)	0230	54	1000.2	994.1	..	26.6	25.9	25.6	32.8	94	..	6.3	..	3.1	0	0	11	00	1	2	1	4	3	0	0	20
	0530	54	1000.7	994.6	..	26.3	25.7	25.4	32.4	95	..	6.8	..	3.1	0	0	15	02	1	2	1	3	4	2	0	16

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST ,1967(SRAVANA 10 - BHADRA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NORTH ASSAM (INCLUDING NEFA) (CONTD.)																											
GAUHATI (BHORJOR) (CONTD.)	0830	54	1001.9	995.8	-1.6	29.0	26.7	25.7	33.0	83	- 2	6.2	-0.4	4.7	0	0	20	02	8	5	0	2	2	1	0	11	0
	1130	54	1000.7	994.7	..	31.1	27.6	26.3	34.2	75	..	5.9	..	7.4	0	1	23	09	8	1	0	0	0	4	2	7	0
	1430	54	998.3	992.3	..	31.1	27.2	25.7	33.0	73	..	6.0	..	9.7	0	2	28	08	7	0	1	4	4	3	3	1	0
	1730	54	998.0	992.0	-1.8	29.9	27.1	26.0	33.6	80	- 2	6.2	+0.0	3.5	0	0	21	02	6	0	1	4	2	5	1	10	0
	2030	54	1000.8	994.7	..	27.7	26.5	26.0	33.6	91	..	4.9	..	2.0	0	0	8	00	0	0	0	4	3	1	0	23	0
	2330	54	1001.2	995.1	..	27.2	26.2	25.8	33.2	92	..	5.2	..	2.3	0	0	9	00	1	0	0	5	2	1	0	22	0
DHUBRI (RUPSI)	0530	45	1000.3	995.2	..	26.0	25.5	25.3	32.2	96	..	6.7	..	4.2	0	0	18	00	5	10	1	2	0	0	0	13	0
	0830	45	1001.5	996.4	-0.9	29.0	26.7	25.7	33.0	83	- 3	6.7	+0.0	6.4	0	0	26	00	4	7	10	2	3	0	0	5	0
	1130	45	1000.9	995.8	..	30.3	27.2	25.9	33.4	78	..	6.8	..	7.9	0	2	24	00	3	8	7	1	3	0	4	5	0
	1730	45	998.0	993.0	-0.7	29.7	27.3	26.3	34.2	82	- 1	6.5	+0.3	4.2	0	0	17	01	0	3	3	3	3	2	2	14	0
DHUBRI	0830	35	1002.0	998.1	-1.3	28.6	26.6	25.8	33.2	84	- 2	5.8	+0.0	7.8	0	1	26	00	9	12	3	2	1	0	0	4	0
	1730	35	998.8	995.0	-1.1	29.2	26.9	25.9	33.4	83	- 2	5.8	+0.0	4.8	0	1	19	02	3	3	3	2	4	3	0	11	0
LUMDING	0830	149	1002.4	985.8	..	27.5	25.7	24.9	31.5	86	+ 4	5.2	..	1.0	0	0	10	01	0	5	1	1	0	1	1	21	0
	1730	149	998.0	981.6	..	31.1	26.9	25.2	32.1	72	..	4.7	..	1.5	0	0	19	00	0	7	1	4	2	2	3	12	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
TURA	0830	370	1002.4	961.4	-1.8	25.7	25.1	24.8	31.3	94	+ 5	7.2	+0.1	2.5	0	0	24	00	4	5	3	4	4	3	1	7	0
	1730	370	999.0	958.4	-1.5	27.7	26.9	26.6	34.8	95	+ 8	7.0	-0.3	3.1	0	0	23	01	3	2	2	7	6	1	1	8	0
HAFLONG	0830	682	1003.2	928.7	-0.3	24.3	22.5	21.7	25.9	85	- 3	5.5	-0.7	2.3	0	0	31	00	0	0	0	8	23	0	0	0	0
	1730	682	998.0	924.5	-1.2	26.5	23.9	22.8	27.7	80	- 2	5.3	-0.5	2.1	0	0	31	00	0	0	0	0	31	0	0	0	0
SILCHAR (KUMBHIRGRAM)	0530	97	1000.5	989.6	..	25.2	24.6	24.3	30.4	95	..	7.2	..	4.6	0	0	24	01	4	18	0	0	0	0	1	7	0
	0830	97	1001.2	990.4	-1.7	28.0	25.6	24.6	30.9	82	- 5	6.5	-0.3	5.7	0	0	25	00	1	17	2	0	3	1	1	6	0
	1130	97	999.9	989.2	..	31.0	26.5	24.6	30.9	70	..	6.3	..	7.3	0	1	29	03	1	5	2	2	4	10	2	1	1
	1730	97	997.2	986.5	-1.9	30.5	26.7	25.1	31.9	74	- 7	6.0	+0.0	4.5	0	0	22	01	0	6	1	0	7	7	0	9	0
SILCHAR	0830	29	1003.4	1000.1	-1.0	28.5	26.2	25.3	32.2	82	- 4	5.8	-0.9	0.2	0	0	3	01	0	1	0	0	0	0	1	28	0
	1730	29	999.3	996.1	-1.1	31.0	27.1	25.5	32.6	73	- 8	5.3	-0.8	0.4	0	0	5	00	0	0	0	0	4	1	0	26	0
IMPHAL (TULIHAL)	0530	781	1002.8	917.6	..	22.5	22.0	21.7	25.9	96	..	6.9	..	2.8	0	0	13	02	2	2	4	1	1	0	1	18	0
	0830	781	1003.5	918.9	-0.9	24.7	22.7	21.8	26.1	84	+ 2	6.5	-0.3	6.0	0	0	20	02	4	5	2	3	2	2	0	11	0
	1130	781	1001.7	917.7	..	26.9	23.6	22.1	26.6	76	..	6.5	..	7.6	0	1	24	01	3	3	4	8	3	1	2	6	0
	1430	781	998.9	915.4	..	27.5	23.9	22.2	26.7	75	..	6.2	..	8.5	0	2	21	01	2	1	7	8	2	1	1	8	0
	1730	781	999.2	915.3	+0.5	26.1	23.4	22.3	26.9	80	+ 1	5.9	-0.4	8.7	0	1	24	01	0	2	6	11	2	1	2	6	0
	2030	781	1002.4	917.8	..	24.5	22.8	21.9	26.3	87	..	5.7	..	4.9	0	1	15	00	0	3	5	5	0	0	3	15	0
	2330	781	1003.2	918.2	..	23.4	22.5	22.1	26.6	93	..	5.9	..	2.6	0	0	11	03	2	1	1	0	0	3	1	20	0
KAILASHAHAR	0530	30	1002.1	998.8	..	25.5	25.1	24.9	31.5	95	..	6.3	..	2.6	0	0	25	00	3	8	1	4	9	0	0	6	0
	0830	30	1002.9	999.7	-1.3	28.5	26.2	25.3	32.2	83	+ 0	5.7	-1.1	4.4	0	0	31	01	4	4	4	7	8	1	0	0	2
	1130	30	1001.8	998.6	..	30.9	27.5	26.1	33.8	76	..	5.9	..	5.3	0	0	31	02	6	8	1	3	7	4	0	0	0
	1730	30	999.3	996.1	-1.3	29.4	27.1	26.1	34.0	83	- 1	6.4	-0.4	4.3	0	0	28	04	3	3	0	6	9	3	0	3	0
AGARTALA	0230	16	1000.0	998.2	..	25.6	24.9	24.5	30.7	94	..	7.0	..	9.3	0	1	24	00	1	1	19	4	0	0	0	6	0
	0530	16	1000.3	998.5	..	25.3	24.7	24.4	30.5	95	..	6.7	..	10.8	0	1	28	00	1	8	18	2	0	0	0	2	0
	0830	16	1001.4	999.6	-1.6	28.3	26.1	25.2	32.1	82	- 2	6.4	-0.5	14.1	0	4	26	00	1	3	17	9	0	0	0	1	0
	1130	16	1000.6	998.8	..	30.9	27.2	25.7	33.0	74	..	6.6	..	10.7	0	0	30	00	1	0	16	8	2	1	2	1	0
	1430	16	998.2	996.4	..	30.6	27.2	25.8	33.2	76	..	6.5	..	10.9	0	1	29	02	0	1	10	11	3	2	1	1	0
	1730	16	998.2	996.4	-1.5	28.7	26.5	25.6	32.8	83	- 2	6.5	-0.4	11.0	0	1	25	01	0	0	10	12	1	0	2	5	0
	2030	16	1000.7	998.9	..	26.8	25.7	25.3	32.2	91	..	6.0	..	8.0	0	1	21	00	0	1	15	6	0	0	0	9	0
	2330	16	1001.2	999.4	..	26.1	25.3	25.0	31.7	93	..	6.9	..	8.1	0	1	23	00	0	0	18	5	1	0	0	7	0
SUB-HIMALAYAN WEST BENGAL																											
BAGHDOGRA	0230	131	1000.4	985.6	..	25.9	24.9	24.5	30.7	92	..	5.9	..	4.9	0	0	16	00	11	3	2	0	0	0	0	15	0
	0530	131	1000.4	985.6	..	25.8	25.0	24.6	30.9	93	..	6.4	..	7.6	0	0	26	03	16	6	1	0	0	0	0	5	0
	0830	131	1001.7	987.1	-0.7	28.9	26.1	24.9	31.5	81	- 4	6.5	-0.3	13.6	0	0	31	00	12	16	1	0	2	0	0	0	0
	1130	131	1001.1	986.5	..	30.8	26.9	25.3	32.2	74	..	6.6	..	15.3	0	1	29	01	5	14	7	2	1	0	0	1	0
	1430	131	998.6	984.2	..	31.6	27.4	25.7	33.0	72	..	6.2	..	12.3	0	0	31	02	6	9	6	6	1	0	1	0	0
	1730	131	998.3	983.8	-1.0	29.6	26.9	25.9	33.4	81	+ 1	6.3	+0.0	11.3	0	0	29	01	11	9	6	1	1	0	0	2	0
	2030	131	1000.6	986.0	..	27.5	25.8	25.1	31.9	86	..	5.2	..	7.0	0	0	23	03	14	5	0	1	0	0	0	8	0
	2330	131	1001.4	986.6	..	26.6	25.3	24.7	31.1	90	..	5.7	..	6.0	0	0	21	07	9	3	2	0	0	0	0	10	0
JALPAIGURI	0830	83	1001.5	992.3	-1.4	27.6	25.7	24.9	31.5	86	- 1	5.3	-0.1	5.1	0	2	25	04	7	11	5	0	0	0	0	4	0
	1730	83	998.0	988.8	-1.5	29.5	26.6	25.4	32.4	79	- 2	4.1	-1.2	2.7	0	0	18	02	4	4	8	0	0	0	0	12	0
COOCH BEHAR AERODROME	0830	43	1001.9	997.1	-0.6	28.6	26.2	25.2	32.1	82	- 2	5.9	-0.7	7.2	0	1	24	00	4	16	4	0	1	0	0	6	0
	1130	43	1001.2	996.5	..	29.9	26.8	25.5	32.6	78	..	6.2	..	8.8	0	0	27	00	3	16	3	3	2	0	0	4	0
	1730	43	998.4	993.6	-0.8	30.1	26.8	25.5	32.6	77	- 4	5.4	-0.4	2.0	0	0	9	00	0	4	5	0	0	0	0	22	0
BALURGHAT	0830	26	1000.4	997.5	..	28.8	26.6	25.7	33.0	83	..	6.3	..	4.8	0	0	31	01	2	19	3	2	3	1	0	0	0
	1730	26	996.9	994.0	..	29.9	26.9	25.7	33.0	80	..	4.7	..	2.7	0	0	25	02	3	10	7	1	1	1	0	6	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – AUGUST ,1967(SRAVANA 10 - BHADRA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (km p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
SUB-HIMALAYAN WEST BENGAL(CONTD)																										
MALDA	0830	31	1000.6	997.1	-1.5	28.7	26.6	25.7	33.0	84	+ 0	6.0	-0.7	3.6	0	0	27	00	0	12	6	3	3	0	3	4
	1730	31	997.4	995.9	-1.5	30.1	28.9	28.6	32.6	77	- 4	5.4	-0.9	2.5	0	0	23	00	1	11	9	2	0	0	0	8
GANGETIC WEST BENGAL																										
BERHAMPORE	0830	19	1000.3	998.3	-1.4	28.2	26.8	26.2	34.0	89	+ 5	7.7	+0.8	3.9	0	0	31	01	0	15	2	9	2	2	0	0
	1730	19	997.5	995.2	-1.4	28.6	26.8	26.1	33.8	87	+ 5	6.7	+0.4	3.3	0	0	28	01	2	10	0	11	3	1	0	3
SIURI	0830		..	..	..	28.1	26.3	25.5	32.6	86	+ 2	7.5	+0.8	5.0	0	0	31	05	1	11	1	10	1	2	0	0
ASANSOL	0230	126	998.5	984.4	..	26.2	25.3	24.9	31.5	93	..	6.6	..	4.5	0	0	22	01	2	5	4	0	4	4	2	9
	0530	126	998.7	984.6	..	26.0	25.2	24.9	31.5	94	..	6.9	..	4.7	0	0	23	04	5	4	4	0	3	3	0	8
	0830	126	999.9	985.8	-1.5	28.1	26.1	25.3	32.2	84	- 2	7.0	+0.0	7.5	0	0	30	02	6	4	5	3	4	5	1	1
	1130	126	999.4	985.4	..	30.1	26.9	25.6	32.8	78	..	7.0	..	9.3	0	0	31	01	6	6	4	1	4	5	4	0
	1430	126	997.2	983.3	..	30.1	27.1	25.9	33.4	79	..	7.0	..	7.7	0	0	31	02	4	8	6	4	1	2	4	0
	1730	126	996.9	982.9	-1.3	28.7	26.5	25.6	32.8	84	+ 1	7.2	+0.2	5.4	0	0	26	01	4	7	4	4	3	1	2	5
	2030	126	999.4	985.3	..	27.2	25.9	25.3	32.2	90	..	6.3	..	4.7	0	0	24	02	1	6	4	3	1	3	4	7
	2330	126	999.9	985.7	..	26.6	25.6	25.2	32.1	92	..	6.7	..	4.9	0	0	21	00	2	6	5	2	2	3	1	10
SHANTI NIKETAN	0830	59	1000.3	993.6	..	27.9	26.5	25.9	33.4	89	..	7.1	..	3.8	0	0	22	00	4	6	5	3	3	1	0	9
	1130	59	999.9	993.3	..	29.9	27.0	25.9	33.4	80	..	6.9	..	3.7	0	0	25	00	1	10	5	4	4	0	1	6
	1730	59	997.3	990.7	..	28.6	26.6	25.8	33.2	85	..	7.2	..	5.0	0	0	25	00	1	9	7	3	2	1	2	6
KRISHNANAGAR	0830	15	1000.2	998.6	-1.8	28.8	26.8	26.0	33.6	85	- 1	4.5	-2.2	2.6	0	0	21	00	0	10	4	4	2	1	0	10
	1730	15	997.9	996.3	-1.1	29.0	26.7	25.7	33.0	82	- 2	5.3	-1.2	0.6	0	0	9	00	0	7	0	2	0	0	0	22
PURULIA	0830	255	1000.2	971.9	-1.6	26.5	25.2	24.9	31.5	89	+ 6	7.6	+0.8	6.1	0	0	29	02	6	4	2	3	6	1	5	2
	1730	255	997.1	969.0	-1.2	28.2	25.8	24.8	31.3	82	+ 3	7.7	+0.5	6.8	0	0	30	01	6	4	10	3	3	1	2	1
BANKURA	0830	100	999.4	988.3	..	27.7	26.0	25.3	32.2	87	..	5.8	..	1.8	0	0	15	00	3	2	2	0	1	4	0	16
	1730	100	996.9	985.8	..	28.6	26.3	25.3	32.2	83	..	6.8	..	0.8	0	0	6	00	0	1	1	0	0	1	0	25
BURDWAN	0830	32	999.9	996.2	-1.8	28.3	26.7	26.1	33.8	87	+ 2	4.9	-0.4	6.1	0	0	30	01	2	11	12	3	0	0	1	1
	1730	32	997.1	993.4	-1.5	29.4	26.5	25.7	33.0	88	+ 7	5.3	-0.3	5.0	0	0	30	00	1	9	12	3	4	0	1	1
CALCUTTA (DUM DUM)	0230	6	998.4	997.7	..	26.7	26.0	25.7	33.0	94	..	5.8	..	4.9	0	0	22	00	3	2	6	7	4	0	0	9
	0530	6	998.6	997.9	..	26.5	25.9	25.7	33.0	95	..	7.0	..	3.7	0	0	18	00	2	4	4	2	5	1	0	13
	0830	6	1000.0	999.3	-2.0	28.6	26.7	25.9	33.4	86	+ 4	7.0	+0.1	5.7	0	0	26	00	1	8	6	4	6	1	0	5
	1130	6	999.4	998.7	..	30.2	27.4	26.3	34.2	80	..	6.9	..	6.8	0	0	30	00	3	11	7	0	5	4	0	1
	1430	6	997.4	996.7	..	30.6	27.6	26.3	34.2	79	..	7.1	..	7.0	0	0	29	00	0	12	5	4	6	2	0	2
	1730	6	997.1	996.4	-1.9	28.9	27.0	26.3	34.2	86	+ 4	6.9	+0.0	5.5	0	0	25	00	0	5	7	6	7	0	0	6
	2030	6	999.5	998.8	..	27.3	26.3	25.9	33.4	92	..	5.6	..	5.3	0	0	24	00	0	5	5	8	4	1	1	7
	2330	6	999.8	999.1	..	27.1	26.3	26.0	33.6	93	..	5.8	..	4.4	0	0	22	00	0	4	7	7	3	1	0	9
CALCUTTA	0830	6	1000.0	999.3	-1.8	28.8	26.6	25.7	33.0	83	- 2	6.6	-0.2	6.8	0	1	27	00	1	8	4	8	3	3	1	3
	1130	6	999.4	998.7	..	30.6	27.0	25.5	32.6	75	..	6.5	..	8.6	0	1	30	00	5	5	6	4	6	5	0	0
	1730	6	997.2	996.5	-1.6	28.7	26.4	25.5	32.6	84	+ 1	6.7	-0.1	7.2	0	1	29	00	0	3	12	9	3	3	0	1
MIDNAPORE	0830	45	1000.0	994.9	-1.5	28.0	26.1	25.3	32.2	85	+ 0	5.4	-1.1	1.9	0	0	22	02	3	3	1	4	6	3	0	9
	1730	45	997.2	992.1	-1.3	28.4	26.2	25.3	32.2	84	+ 1	6.2	-0.5	2.4	0	0	26	01	1	0	7	6	7	1	3	5
CONTAI	0830	11	999.9	998.6	-1.3	28.5	26.6	25.9	33.4	86	+ 1	5.3	-0.6	6.5	0	0	27	07	0	2	2	8	4	3	1	3
	1730	11	997.3	996.1	-1.5	28.7	26.6	25.7	33.0	85	+ 0	4.8	-0.9	8.5	0	2	25	00	0	1	4	14	6	2	0	3
SAGAR ISLAND	0830	3	999.5	999.2	-1.9	28.4	26.7	26.1	33.8	87	+ 4	6.2	-0.2	20.3	0	18	13	04	2	3	2	8	9	0	3	0
	1730	3	997.0	996.7	-1.9	28.7	26.6	26.7	33.0	84	+ 0	6.5	+0.2	20.5	0	18	13	00	0	3	5	12	9	1	1	0
SANDHEADS	0530	10	998.2	997.1	..	27.7	26.5	26.0	33.6	91	..	7.1	..	2.0	0	19	9	00	1	0	1	1	19	3	3	3
	0830	10	999.6	998.5	-2.0	28.3	26.7	26.1	33.8	87	+ 3	6.6	+0.5	19.3	0	16	13	01	3	0	3	2	15	3	2	2
	1130	10	999.3	998.2	..	28.9	26.8	25.9	33.4	84	..	6.4	..	18.9	0	13	17	00	2	0	4	2	18	3	1	1
	1730	10	997.1	996.0	-2.0	28.6	26.9	26.3	34.2	86	+ 1	6.9	+0.9	19.7	0	13	17	00	0	0	2	6	18	4	0	1
	2330	10	999.3	998.1	..	28.2	26.7	26.1	33.8	89	..	2.3	..	21.3	0	18	13	00	0	1	1	7	19	3	0	0
ORISSA																										
BARIPADA	0830	54	1000.8	994.7	-0.9	28.0	26.3	25.5	32.6	87	+ 2	6.4	-0.3	3.2	0	0	25	05	4	1	2	6	5	1	1	6
	1730	54	998.1	992.0	-0.9	28.2	26.6	25.9	33.4	88	+ 5	7.2	+0.8	1.1	0	0	11	00	1	1	3	3	2	1	0	20
JHARSUGUDA	0230	230	999.0	973.3	..	25.1	24.3	23.9	29.7	94	..	7.2	..	8.2	0	1	25	00	2	1	2	1	6	12	2	5
	0530	230	999.1	973.4	..	24.6	24.0	23.7	29.2	94	..	7.4	..	7.9	0	1	27	01	3	0	1	1	8	14	0	3
	0830	230	1000.4	974.8	-1.1	26.1	24.6	23.9	29.7	89	+ 2	7.6	+0.5	12.2	0	3	28	01	4	0	1	1	9	14	1	0
	1130	230	1000.0	974.5	..	27.8	25.2	24.0	29.8	80	..	7.5	..	13.9	0	4	25	00	2	2	0	2	4	18	1	2
	1430	230	997.7	972.3	..	28.5	25.5	24.2	30.2	78	..	7.4	..	13.9	0	4	26	01	0	1	0	1	7	17	3	1
	1730	230	997.3	971.9	-1.1	27.5	25.1	24.0	29.8	83	+ 1	7.4	+0.1	10.8	0	2	28	00	2	0	0	3	6	15	4	1
	2030	230	999.7	974.1	..	26.1	24.9	24.4	30.5	90	..	7.4	..	3.4	0	2	21	00	1	0	1	3	8	9	1	8
	2330	230	1000.3	974.7	..	25.3	24.5	24.1	30.0	93	..	7.4	..	8.5	0	0	28	00	1	1	2	1	7	15	1	3
KEONJHARGARH	0830	463	1000.7	949.7	-1.2	24.9	23.8	23.1	28.3	88	+ 5	6.2	-0.4	1.9	0	0	28	04	1	0	0	4	4	13	2	3
	1730	463	997.4	947.0	-1.5	26.7	24.4	23.5	28.9	83	+ 2	5.6	-1.9	2.0	0	0	29	00	0	0	1	3	4	19	2	2

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST 1967 (SRAVANA 10 - BHADRA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORRISA (CONTD)																											
BALASORE	0830	20	(R)																								
	1730	20	(R)																								
SAMBALPUR	0830	148	1000.4	983.8	-1.6	26.6	25.1	24.5	30.7	88	+ 2	6.8	-0.3	1.7	0	0	14	01	1	0	0	1	6	4	1	17	0
	1730	148	998.9	982.4	+0.0	26.9	24.6	23.5	28.9	81	- 2	6.5	-0.8	2.1	0	0	20	01	0	0	0	0	13	5	1	11	0
ANGUL	0830	139	1000.6	985.0	-1.5	27.6	25.0	23.8	29.5	80	- 3	7.8	+1.1	3.6	0	0	29	03	0	4	0	3	0	18	1	2	0
	1730	139	997.9	982.5	-1.0	28.3	25.4	24.1	30.0	78	- 2	7.8	+0.7	3.4	0	0	29	01	0	1	1	9	3	13	1	2	0
CHANDBALI	0830	6	1000.5	999.7	-1.6	28.3	26.3	25.5	32.6	85	+ 1	6.5	+0.7	3.6	0	0	27	00	3	0	1	4	11	5	5	4	0
	1730	6	997.5	996.7	-1.8	28.8	26.5	25.5	32.6	83	+ 0	6.9	+1.0	4.3	0	0	26	02	1	1	3	3	10	1	5	5	0
BOLANGIR	0830	190	(R)																								
	1730	190	(R)																								
PHULBANI	0830	464	1001.1	950.2	..	25.3	23.2	22.3	26.9	81	.	7.5	..	1.7	0	0	14	00	0	0	0	2	5	7	0	17	0
	1730	464	998.1	947.3	..	26.1	23.8	22.8	27.7	82	..	7.2	..	0.2	0	0	2	00	0	0	0	0	0	2	0	29	0
CUTTACK	0830	27	1001.2	998.2	-0.9	28.0	25.8	24.9	31.5	83	+ 0	4.4	-2.0	4.5	0	1	26	01	0	1	0	1	2	18	4	4	0
	1730	27	998.1	995.1	-1.1	28.9	26.3	25.2	32.1	80	- 1	4.4	-2.4	4.4	0	0	26	01	1	1	1	5	3	12	2	5	0
TITLAGARH	0830	211	1000.7	977.2	-1.3	26.2	24.6	23.9	29.7	87	+ 3	5.4	-0.6	2.0	0	0	31	00	0	0	1	0	27	0	3	0	0
	1730	211	997.9	974.5	-1.1	27.3	25.0	23.9	29.7	83	+ 4	5.8	-0.1	2.0	0	0	31	00	2	0	3	0	24	0	2	0	0
BHUBANESWAR	0230	46	999.1	993.9	..	26.1	25.4	25.1	31.9	94	..	6.5	..	7.1	0	1	27	02	1	0	0	1	15	7	2	3	0
	0530	46	999.3	994.1	..	26.0	25.3	25.0	31.7	94	..	7.0	..	7.7	0	1	26	05	1	0	0	0	14	5	2	4	0
	0830	46	1000.8	995.6	-0.6	27.7	25.9	25.1	31.9	87	+ 1	7.1	+0.3	11.1	0	1	30	04	0	1	0	0	12	12	2	0	0
	1130	46	1000.5	995.3	..	29.6	26.3	24.9	31.5	77	..	7.3	..	13.3	0	4	27	03	1	1	0	0	14	11	1	0	0
	1430	46	998.2	993.1	..	29.3	26.3	25.0	31.7	79	..	7.4	..	19.0	0	12	19	01	3	1	0	2	12	9	3	0	0
	1730	46	998.2	993.1	-0.6	27.7	25.8	24.9	31.5	86	+ 3	7.4	+0.4	12.0	0	4	24	02	1	0	0	1	12	9	3	3	0
	2030	46	1000.3	995.1	..	26.9	25.9	25.5	32.6	92	..	6.5	..	9.0	0	0	30	01	0	0	0	1	15	11	2	1	0
	2330	46	1000.6	995.4	..	26.4	25.5	25.1	31.9	93	..	6.7	..	9.9	0	2	27	00	1	0	0	2	18	6	2	2	0
PURI	0830	6	1000.4	999.7	-1.8	29.3	27.8	27.3	36.3	89	+ 7	6.2	+0.0	12.3	0	5	26	00	0	0	0	0	28	1	1	0	1
	1730	6	998.5	997.8	-1.0	28.9	27.9	27.5	36.7	92	+ 9	6.7	+0.4	15.5	0	11	19	00	0	0	0	0	25	1	1	1	3
GOPALPUR	0530	17	999.8	997.9	..	26.5	25.4	24.9	31.5	91	..	7.0	..	6.5	0	1	22	01	0	0	0	1	18	2	1	8	0
	0830	17	1001.2	999.3	-1.2	27.9	26.1	25.3	32.2	86	+ 5	7.2	+1.0	10.3	0	2	27	02	0	0	1	2	20	3	1	2	0
	1130	17	1001.0	999.1	..	29.6	26.7	25.5	32.6	79	..	7.3	..	15.7	0	8	23	02	1	0	1	3	22	1	1	0	0
	1730	17	998.7	996.8	-0.9	27.4	26.3	25.9	33.4	88	+ 3	7.5	+1.0	17.7	0	13	16	00	0	0	2	4	20	3	0	2	0
	2330	17	1001.2	999.3	..	27.0	25.8	25.3	32.2	91	..	6.6	..	9.9	0	4	22	01	0	0	1	0	20	4	0	5	0
KORAPUT	0830	913	1446.1	904.3	+0.0	21.8	20.4	19.7	22.9	90	- 1	7.4	+0.5	..	.	..	..	..	..	..	..	..	..	..	..	.	..
	1730	913	1428.3	902.2	+0.0	22.3	20.9	20.2	23.7	88	+ 1	7.4	+0.2	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BIHAR PLATEAU																											
DUMKA	0830	149	1000.1	983.4	-1.5	27.7	26.2	25.5	32 6	88	+ 5	6.6	+1.4	5.2	0	0	26	00	4	5	5	4	5	3	0	5	0
	1730	149	997.2	980.8	-1.1	28.7	26.6	25.7	33.0	84	+ 2	5.6	+0.2	3.7	0	0	22	01	3	6	0	2	4	3	3	9	0
DALTONGANJ	0830	221	(R)																								
	1730	221	(R)																								
HAZARIBAGH	0830	611	999.6	932.8	-1.7	24.4	23.4	23.0	28.1	93	+ 7	7.2	+0.5	8.3	0	1	28	01	4	9	0	1	3	6	5	2	0
	1730	611	996.7	930.4	-1.4	25.7	24.4	23.9	29.7	89	+ 4	7.3	+0.6	6.8	0	0	31	05	0	5	5	4	0	2	10	0	0
DHANBAD	0830	257	999.5	971.0	-2.0	26.8	25.4	24.8	31.3	89	+ 4	6.3	-0.3	2.6	0	0	23	00	10	1	4	0	2	2	3	8	1
	1730	257	996.7	968.3	..	28.1	25.9	25.0	31.7	83	..	7.2	..	2.6	0	0	29	00	7	1	13	0	3	0	5	2	0
RANCHI	0830	655	(R)																								
	1730	655	(R)																								
RANCHI AERODROME	0530	652	998.6	927.3	..	23.0	22.5	22.3	26.9	96	..	7.2	..	10.9	0	1	27	02	6	2	1	0	10	2	5	3	0
	0830	652	999.5	928.4	-1.4	24.2	23.1	22.7	27.6	91	+ 5	7.3	+0.2	15.0	0	3	28	03	5	4	2	0	7	5	5	0	0
	1130	652	998.8	928.1	..	25.8	23.9	23.1	28.3	84	..	7.2	..	15.4	0	10	19	01	6	4	3	0	5	4	6	2	0
	1430	652	996.5	926.2	..	26.5	23.9	22.8	27.7	81	..	7.2	..	18.0	0	13	18	03	5	4	5	3	4	5	2	0	0
	1730	652	996.6	925.9	-1.3	25.3	23.6	22.9	27.9	87	+ 5	7.2	+0.3	16.1	0	10	20	04	6	3	1	5	5	1	5	1	0
	2030	652	998.6	927.5	..	24.1	23.2	22.9	27.9	93	..	7.1	..	10.7	0	1	18	03	2	2	0	3	3	2	4	3	0
	1730	129	996.5	982.3	-1.4	28.9	26.3	25.3	32.2	81	+ 2	6.6	-0.5	2.6	0	0	21	01	2	4	3	0	3	7	1	10	0
JAMSHEDPUR	0830	129	999.1	984.8	-2.2	27.3	25.6	24.8	31.3	86	+ 3	7.1	+0.2	3.8	0	0	28	00	0	4	2	1	4	12	5	3	0
JAMSHEDPUR P.B.O	0530	142	998.5	982.6	..	25.6	24.9	24.6	30.9	95	.	7.3	..	4.0	0	0	17	01	3	2	0	7	0	2	2	14	0
	0830	142	999.8	983.9	-1.2	27.1	25.4	24.7	31.1	87	+ 4	7.3	+0.2	6.8	0	0	30	00	3	1	2	10	7	3	4	1	0
	1130	142	999.2	983.5	..	28.9	26.3	25.2	32.1	81	..	7.4	..	7.	0	1	30	01	1	6	0	10	7	4	2	0	0
	1430	142	996.9	981.2	..	29.5	26.3	24.9	31.5	78	..	7.1	..	8.8	0	1	[illegible]	00	2	3	2	12	6	2	4	0	0
	1730	142	996.7	981.0	-1.1	28.7	26.2	25.1	31.9	82	+ 3	7.5	+0.1	6.8	0	0	27	00	4	3	1	10	7	0	2	4	0
	2030	142	999.2	983.3	..	27.0	25.8	25.3	32.2	90	..	6.5	..	5.4	0	0	25	00	4	5	1	7	5	1	2	6	0
	2330	142	999.6	983.8	..	26.3	25.5	25.2	32.1	94	..	6.8	..	3.6	0	0	17	00	3	2	0	4	4	2	2	14	0
CHAIBASA	0830	226	999.1	974.0	-2.2	27.0	25.0	24.1	30.0	84	+ 0	7.9	+0.6	3.7	0	0	29	00	10	0	0	0	17	1	1	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – AUGUST 1967 (SRAVANA 10 - BHADRA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station level in metres	Mean pressure in mbs. At mean sea level or at the level of mean station level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 38 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
BIHAR PLATEAU(CONTD.)																										
CHAIBASA	1730	226	997.0	972.0	-1.1	28.2	25.6	24.5	30.7	81	- 1	7.9	+0.4	3.7	0	0	26	00	6	0	0	2	16	1	1	5
BIHAR PLAINS																										
MOTIHARI	0830	66	(R)																							
	1730	66	(R)																							
FORBESGANJ	0830	61	1000.6	993.9	-1.1	29.2	26.5	25.3	32.2	80	- 6	5.2	-1.4	3.2	0	0	27	00	1	23	2	1	0	0	0	4
	1730	61	997.4	990.6	-1.1	30.2	26.8	25.5	32.6	76	- 2	4.7	-1.0	2.4	0	0	25	00	2	18	4	1	0	0	0	6
DARBHANGA	0830	49	1000.5	995.1	-1.1	30.3	27.1	25.8	33.2	78	- 6	5.6	-0.9	2.9	0	0	21	00	2	13	5	0	0	0	0	10
	1730	49	997.7	992.2	-0.7	30.1	27.2	26.1	33.8	79	+ 0	4.2	-1.1	1.1	0	0	9	01	1	4	3	0	0	0	0	22
MUZAFFARPUR	0830		..	..	..	29.1	26.9	26.0	33.6	84	..	5.1	..	3.5	0	0	24	00	0	20	1	1	1	1	0	7
	1730		..	..	..	29.5	27.2	26.3	34.2	83	..	4.3	..	1.4	0	0	13	00	1	9	2	1	0	0	0	18
CHAPRA	0830	58	999.6	993.1	..	29.1	26.8	25.9	33.4	83	..	6.5	..	2.6	0	0	28	00	10	1	12	0	4	0	1	3
	1730	58	997.2	990.7	..	29.6	26.9	25.9	33.4	81	..	5.6	..	2.3	0	0	26	03	7	0	8	0	4	0	4	5
PURNEA	0830	38	1000.5	996.3	-1.6	28.9	26.8	25.9	33.4	85	+ 0	5.3	-1.1	2.5	0	0	26	00	2	21	1	0	0	1	1	5
	1730	38	997.4	993.2	-1.3	30.0	27.2	26.1	33.8	80	- 2	5.9	+0.3	1.7	0	0	22	00	1	19	1	1	0	0	0	9
PATNA	0830	53	1000.1	994.2	-1.2	28.3	26.5	25.8	33.2	86	+ 3	6.0	-0.6	7.6	0	0	28	01	12	5	3	1	3	2	1	3
	1730	53	996.8	991.0	-1.2	30.0	27.0	25.8	33.2	79	+ 1	6.3	+0.0	5.7	0	0	29	02	12	6	2	0	2	3	2	2
PATNA AERODROME	0230	60	(R)																							
	0530	60	998.3	991.5	..	26.7	25.8	25.5	32.6	93	..	6.5	..	6.5	0	0	23	00	3	15	2	1	0	2	0	8
	0830	60	999.6	992.9	-1.0	28.6	26.4	25.5	32.6	84	- 1	6.8	+0.3	11.5	0	2	29	02	4	11	7	1	0	3	0	0
	1130	60	999.2	992.5	..	30.7	27.0	25.5	32.6	74	..	6.8	..	12.1	0	5	24	00	4	12	3	2	2	2	3	2
	1430	60	996.9	990.3	..	30.6	27.0	25.5	32.6	76	..	6.8	..	11.5	0	2	26	01	4	12	2	0	4	2	2	3
	1730	60	996.2	989.6	-1.0	29.8	26.8	25.6	32.8	79	+ 1	6.6	+0.3	9.7	0	1	29	02	4	11	2	0	2	5	3	1
	2030	60	998.7	992.0	..	28.3	26.5	25.8	33.2	87	..	5.8	..	7.4	0	2	20	01	2	9	4	1	0	2	3	9
	2330	60	999.4	992.6	..	27.6	26.3	25.7	33.0	90	..	5.9	..	8.1	0	1	22	01	1	13	2	0	0	3	1	8
BHAGALPUR	0530	49	999.1	993.6	..	27.0	26.0	25.6	32.8	92	..	6.8	..	2.6	0	0	24	00	0	16	6	2	0	0	0	7
	0830	49	1000.2	994.7	-1.5	28.7	26.7	25.9	33.4	85	+ 1	6.8	+0.3	3.4	0	0	30	00	2	14	7	1	3	1	2	1
	1130	49	999.8	994.4	..	30.2	27.2	26.1	33.8	79	..	6.4	..	4.3	0	0	30	00	1	13	10	0	1	3	2	1
	1730	49	996.8	991.3	-1.6	29.7	27.0	26.9	33.4	80	+ 0	6.4	+0.1	3.0	0	0	31	00	1	12	11	2	1	2	2	0
	2330	49	1000.1	994.6	..	27.6	26.3	25.8	33.2	89	..	5.6	..	3.0	0	0	28	00	0	13	11	1	1	2	0	3
SABAUR	0830	37	1000.2	996.0	-1.2	28.7	27.2	26.6	34.8	89	+ 3	6.8	+0.0	10.7	0	1	30	02	0	17	5	2	0	3	2	0
	1730	37	997.0	992.8	-1.3	29.6	27.8	27.1	35.9	87	+ 3	6.4	-0.3	8.2	0	0	31	03	0	15	8	1	1	0	3	0
JAMUI	0830	82	(R)																							
	1730	82	(R)																							
DEHRI	0830	107	999.2	987.2	-1.3	27.6	26.2	25.6	32.8	89	+ 3	7.4	+1.2	2.6	0	0	28	01	3	4	8	2	1	6	3	3
	1730	107	996.0	984.1	-1.4	29.6	27.1	26.1	33.8	83	+ 4	7.1	+0.5	3.2	0	0	30	00	5	9	4	0	3	5	4	1
GAYA	0230	116	998.8	985.8	..	26.6	25.7	25.4	32.4	92	..	6.9	..	8.2	0	1	26	00	8	6	1	3	5	3	1	4
	0530	116	998.7	985.7	..	26.0	25.3	25.0	31.6	94	..	7.0	..	9.6	0	4	22	00	8	5	0	3	4	5	1	5
	0830	116	1000.1	987.1	-0.9	27.7	26.0	25.3	32.2	86	+ 5	7.1	+0.9	11.5	0	3	27	02	8	4	1	6	3	6	0	1
	1130	116	999.7	986.8	..	29.7	26.5	25.2	31.9	77	..	6.8	..	13.7	0	9	19	01	7	6	2	0	5	6	1	3
	1430	116	997.4	984.6	..	30.3	26.7	25.2	31.9	75	..	6.9	..	13.1	0	8	21	05	8	5	1	0	3	6	1	2
	1730	116	996.8	983.9	-0.9	29.2	26.4	25.2	32.1	80	+ 4	6.9	+0.3	11.7	0	4	24	02	7	4	2	1	4	5	3	3
	2030	116	999.0	986.0	..	27.8	26.4	25.8	33.2	89	..	6.8	..	7.7	0	0	26	03	6	4	5	2	5	1	0	5
	2330	116	999.9	986.9	..	27.2	26.0	25.5	32.6	90	..	6.7	..	7.6	0	1	21	02	5	6	3	1	2	2	1	9
UTTAR PRADESH EAST																										
KHERI	0830	147	(R)																							
	1730	147	(R)																							
BAHRAICH	0830	124	(R)																							
	1730	124	(R)																							
NAUTANWA	0830	99	1000.5	989.7	-0.3	28.5	26.3	25.4	32.4	82	- 2	5.1	-0.2	3.7	0	0	29	00	10	14	4	1	0	0	0	2
	1730	99	997.3	986.3	-1.2	30.5	27.2	25.9	33.4	78	+ 0	4.8	+0.0	3.2	0	0	25	00	11	6	6	0	1	1	0	6
HARDOI	0830	142	999.2	983.5	-1.1	27.6	26.1	25.5	32.6	89	+ 2	6.6	+1.2	2.8	0	0	25	01	0	20	1	2	1	0	0	6
	1730	142	996.4	980.6	-1.1	28.3	26.4	25.5	32.6	84	+ 6	5.5	+0.5	1.9	0	0	21	02	0	14	1	0	0	4	0	10
GONDA	0830	110	1000.0	987.8	-1.2	28.6	26.5	25.8	33.2	85	+ 0	6.6	+0.6	2.6	0	0	23	01	0	20	0	1	0	0	1	8
	1730	110	997.1	985.0	-0.2	29.7	27.1	26.0	33.6	80	+ 0	5.8	+0.1	1.5	0	0	15	01	0	12	1	0	0	1	0	16
LUCKNOW	0830	128	998.8	986.7	-1.7	27.8	26.2	25.6	32.8	91	+ 6	6.4	+0.4	0.2	0	0	3	00	0	3	0	0	0	0	0	28
	1730	128	996.8	984.5	-0.8	29.4	27.2	26.6	34.8	85	+ 6	6.5	+1.0	0.2	0	0	3	00	0	2	0	0	0	1	0	28
LUCKNOW(AMAUSI)	0230	128	997.9	983.6	..	26.9	25.5	25.2	32.1	94	..	6.3	..	5.0	0	1	19	01	6	4	3	1	0	4	1	11
	0530	128	998.0	983.7	..	26.2	25.5	25.2	32.1	94	..	7.0	..	6.1	0	0	24	01	6	7	3	2	2	2	1	7
	0830	128	999.3	985.0	-0.9	27.6	25.9	25.2	32.1	87	+ 0	7.0	+0.6	11.3	0	5	24	01	3	11	5	2	2	4	1	2
	1130	128	999.0	985.1	..	29.5	26.5	25.2	32.1	78	..	6.9	..	11.3	0	8	16	00	3	8	6	3	1	1	2	7

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – AUGUST ,1967(SRAVANA 10 - BHADRA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.			Mean temperature in °C			Vapour pressure in mb.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																												
LUCKNOW (AMAUSI)	1430	128	997.1	982.9	..	29.9	26.5	25.0	31.7	76	..	7.0	..	12.0	0	8	20	02	2	7	5	4	2	4	2	3	0
	1730	128	996.4	982.2	-0.8	28.8	26.1	25.0	31.7	81	+ 1	6.7	+0.4	9.9	0	5	20	01	1	7	5	3	2	2	4	6	0
	2030	128	998.3	984.1	..	27.4	26.1	25.5	32.6	89	..	6.2	..	7.4	0	3	19	02	3	5	3	2	2	4	1	9	0
	2330	128	999.2	984.9	..	26.6	25.7	25.6	32.8	92	..	6.4	..	5.4	0	1	20	01	4	5	2	3	1	3	2	10	0
FAIZABAD	0830	102	999.5	988.2	-0.5	27.7	26.4	25.8	33.2	90	+ 2	6.7	+0.0	4.1	0	0	22	01	1	2	13	1	1	1	2	5	0
	1730	102	996.6	985.3	-0.6	29.4	27.2	26.3	34.2	84	+ 3	6.1	-0.2	2.9	0	0	18	01	2	3	6	2	3	0	1	8	0
GORAKHPUR	0830	77	999.6	991.0	-4.2	28.6	26.3	25.4	32.4	83	- 1	6.2	+0.3	2.1	0	0	27	00	1	20	3	1	1	1	0	4	0
	1730	77	996.8	988.6	-0.7	30.2	27.0	25.6	32.8	78	- 1	6.2	+0.7	1.9	0	0	23	01	0	14	2	3	1	2	0	8	0
GORKHPUR P.R.O.	0230	77	998.6	989.7	..	27.6	26.4	25.9	33.4	91	..	6.5	..	4.7	0	0	23	01	3	12	5	1	1	0	0	8	0
	0530	77	998.7	989.9	..	27.1	25.9	25.5	32.6	91	..	6.5	..	5.2	0	0	24	01	9	9	3	1	0	1	0	7	0
	1130	77	999.8	991.1	..	30.1	27.2	26.3	34.2	80	..	7.1	..	9.1	0	2	29	01	3	6	19	1	1	0	0	0	0
	1430	77	997.4	988.8	..	30.5	27.2	26.1	33.8	78	..	7.0	..	9.0	0	1	29	02	4	11	8	2	2	1	0	1	0
	2030	77	998.8	990.1	..	28.6	26.8	26.2	34.0	87	..	6.5	..	5.7	0	0	27	03	3	12	6	3	0	0	0	4	0
	2330	77	999.7	990.9	..	27.9	26.5	26.0	33.6	90	..	5.9	..	5.1	0	0	27	01	5	12	5	2	0	1	1	4	0
KANPUR	0830	126	999.0	984.8	-1.9	26.6	25.1	25.1	31.9	93	+ 7	7.2	+1.5	5.7	0	0	31	00	1	14	0	5	2	9	0	0	0
	1730	126	996.7	982.6	-0.8	27.9	26.4	25.4	32.4	82	+ 3	3.2	-2.5	5.5	0	0	26	03	0	7	1	5	1	9	0	5	0
KANPUR (AERODROME)	0530	126	997.9	983.9	..	25.9	25.6	25.3	32.2	96	..	6.9	..	9.1	0	0	27	01	1	10	2	4	2	3	4	4	0
	0830	126	999.3	985.2	..	27.3	26.1	25.7	33.0	91	..	7.1	..	12.5	0	1	29	01	3	7	3	4	4	3	5	1	0
	1130	126	999.3	985.3	..	29.1	26.8	25.9	33.4	81	..	6.7	..	14.9	0	2	29	03	1	5	7	5	0	6	4	0	0
	1730	126	996.5	982.5	..	28.9	26.6	25.3	32.2	84	..	6.4	..	13.4	0	2	29	05	3	4	6	2	2	6	3	0	0
	2330	126	999.2	985.1	..	26.7	26.0	25.6	32.8	94	..	6.6	..	9.4	0	1	22	02	1	5	2	2	2	5	4	8	0
SULTANPUR	0830	97	1000.3	989.4	+0.0	27.7	26.3	25.7	33.0	89	+ 2	6.8	+0.3	2.7	0	0	20	00	2	9	3	1	3	2	0	11	0
	1730	97	996.4	985.7	-0.7	29.8	27.2	26.5	34.6	81	- 2	5.8	-0.5	2.2	0	0	24	01	1	8	4	3	1	5	1	7	0
AZAMGARH	0830	78	999.6	991.0	-0.7	27.9	26.4	25.7	33.0	88	+ 1	6.3	+0.8	4.2	0	0	27	01	3	15	2	1	1	4	0	4	0
	1730	78	996.5	987.9	-0.7	29.6	27.2	26.3	34.2	83	+ 0	5.5	+0.4	2.5	0	0	18	00	0	12	0	4	1	1	0	13	0
FATEHPUR	0830	114	999.4	986.6	-1.3	27.5	26.4	26.0	33.6	93	+ 7	7.2	+1.3	5.5	0	0	27	02	2	8	0	1	6	4	4	4	0
	1730	114	996.5	983.8	-0.9	29.1	27.3	26.7	35.0	87	+ 6	6.5	+0.6	6.1	0	1	25	00	4	5	2	1	3	8	3	5	0
BALLIA	0830	64	1000.3	993.1	-0.2	28.6	26.8	25.7	33.0	86	- 2	7.1	+1.1	1.7	0	0	22	00	0	12	3	0	4	3	0	9	0
	1730	64	997.4	990.2	-1.4	30.8	28.3	27.3	36.3	86	+ 7	7.4	+1.9	0.9	0	0	11	00	0	8	1	0	0	2	0	20	0
BANDA	0830	121	999.1	985.5	-1.6	26.8	25.9	25.5	32.6	91	+ 3	7.3	+1.9	1.4	0	0	19	00	5	0	0	0	13	1	0	12	0
	1730	121	996.7	983.2	-1.0	28.7	26.9	26.1	33.8	86	+ 4	7.0	+2.0	1.4	0	0	24	00	5	0	0	0	19	0	0	7	0
ALLAHABAD (BAMHRAULI)	0230	98	998.3	987.3	..	26.2	25.5	25.3	32.2	94	..	6.4	..	2.5	0	0	18	00	6	0	0	2	3	7	0	13	0
	0530	98	998.2	987.2	..	25.9	25.3	25.1	31.9	95	..	7.1	..	3.1	0	0	23	01	6	1	2	2	5	6	0	8	0
	0830	98	999.6	988.7	-1.2	27.3	26.0	25.5	32.6	90	+ 5	7.3	+0.5	4.4	0	0	23	01	4	5	2	1	4	6	0	8	0
	1130	98	999.4	988.9	..	29.4	26.9	25.8	33.2	81	..	6.9	..	5.8	0	1	26	00	5	6	0	3	4	7	2	4	0
	1430	98	997.4	986.6	..	30.2	27.0	25.7	33.0	77	..	6.5	..	6.5	0	1	27	02	6	4	1	1	4	8	2	3	0
	1730	98	996.6	985.7	-1.0	29.1	26.8	25.8	33.2	80	+ 2	6.5	-0.3	3.6	0	0	26	00	5	3	1	2	2	11	2	5	0
	2030	98	998.6	987.7	..	27.2	26.1	25.6	32.8	91	..	6.2	..	2.6	0	0	18	00	5	2	0	1	1	8	1	13	0
	2330	98	999.3	988.3	..	26.6	25.8	25.4	32.4	93	..	6.6	..	2.5	0	0	16	01	3	0	2	1	4	5	0	15	0
VARANASI (BABATPUR)	0530	85	998.2	988.5	..	26.2	25.6	25.4	32.1	95	..	6.6	..	7.7	0	0	28	00	2	10	0	5	4	5	2	3	0
	0830	85	999.6	989.9	-1.7	27.7	26.1	25.5	32.6	88	+ 3	7.0	+0.6	10.2	0	1	29	00	3	10	3	2	3	4	2	1	3
	1130	85	999.4	989.8	..	29.5	26.7	25.5	32.7	80	..	6.7	..	12.3	0	2	28	02	1	10	2	1	4	9	1	1	0
	1730	85	996.5	986.9	-1.5	29.2	26.7	25.7	33.0	82	+ 3	5.9	-0.5	9.9	0	1	29	00	3	8	1	0	4	8	3	1	3
	2330	85	999.3	989.6	..	27.0	26.2	25.8	33.2	93	..	6.2	..	7.1	0	0	22	00	4	7	2	0	3	6	0	9	0
VARANASI	0830	76	999.2	990.7	-1.5	27.6	26.0	25.2	32.0	87	+ 2	7.6	+1.2	2.3	0	0	23	00	1	5	2	3	7	5	0	8	0
	1730	76	996.5	987.8	-1.3	29.4	26.2	24.9	31.5	78	- 1	6.9	+0.6	1.7	0	0	18	00	0	7	0	2	2	7	0	13	0
UTTAR PRADESH WEST																												
MUKHIM	0830		..	..	..	17.8	17.2	16.5	18.8	94	+ 4	7.2	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	19.5	18.4	17.5	20.0	89	+ 6	7.0	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TEHRI	0830	770	1011.0	926.7	..	24.4	23.1	22.4	27.1	92	+ 9	6.9	+1.2	1.8	0	0	15	00	11	0	0	2	0	1	1	16	0
	1130	770	1009.3	925.0	..	27.5	23.6	22.0	26.4	73	..	5.9	..	2.7	0	0	13	00	0	4	4	3	1	1	0	18	0
	1730	770	1006.9	923.8	..	27.5	23.6	21.9	26.3	73	+10	5.7	+0.2	3.1	0	0	17	02	1	2	6	3	1	1	1	14	0
DEHRA DUN	0530	682	999.5	925.0	..	23.3	22.8	22.4	27.1	94	..	7.2	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	0830	682	1000.4	926.0	-0.8	24.4	23.4	22.4	27.1	92	+ 5	6.9	+0.7	0.4	0	0	6	03	0	0	3	0	0	0	0	25	0
	1130	682	1000.3	926.4	..	26.4	24.1	23.0	28.1	81	..	6.6	..	0.2	0	0	4	00	0	0	2	0	2	0	0	27	0
	1730	682	997.6	923.9	-0.3	26.3	24.3	23.5	28.9	85	+ 3	6.7	+1.2	0.6	0	0	7	01	1	0	3	0	0	1	1	24	0
	2330	682	1000.3	925.6	..	24.1	23.4	23.0	28.1	93	..	6.3	..	0.0	0	0	1	00	1	0	0	0	0	0	0	30	0
MANSIARI	0830		..	..	..	17.2	15.9	15.1	17.1	88	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	18.3	16.9	16.1	18.3	88	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ROORKEE	0830	274	999.9	969.5	-0.9	27.1	25.1	24.2	30.2	85	+ 1	5.5	+0.0	0.6	0	0	9	00	0	0	8	0	0	0	1	22	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST ,1967(SRAVANA 10 - BHADRA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gram. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
UTTAR PRADESH WEST(CONTD.)																										
KIRIRKEE	1730	274	997.1	967.0	-0.3	29.3	26.0	24.6	30.9	77	+ 4	4.7	-0.3	1.1	0	0	17	00	0	0	14	0	0	0	3	14
NAJIBABAD	0830	270	1000.5	970.6	-0.3	27.1	25.1	24.3	30.4	84	- 1	7.1	+2.1	4.5	0	0	27	00	2	21	2	0	0	2	0	4
	1730	270	997.8	968.1	-0.7	28.7	25.9	24.6	30.9	77	+ 3	6.8	+3.0	4.6	0	0	24	02	0	16	0	1	0	5	0	7
MEERUT	0830	222	999.5	974.7	-1.4	28.0	26.0	25.2	32.0	85	+ 2	2.8	-1.4	1.9	0	0	14	00	2	8	1	0	0	0	3	17
BAREILLY	0830	173	999.6	980.3	-1.1	27.8	26.5	26.1	33.8	90	+ 6	7.2	+1.3	8.8	0	0	31	04	3	17	3	1	1	2	0	0
	1730	173	996.5	977.4	-1.0	29.5	27.1	26.2	34.1	83	+ 7	6.4	+0.5	5.5	0	0	29	03	4	18	0	0	2	2	0	2
BAREILLY P.B.O.	0230	172	998.3	979.0	..	26.9	25.7	25.3	32.2	91	..	6.2	..	4.7	0	0	21	01	4	10	5	0	1	0	0	9
	0530	172	998.3	979.1	..	26.8	25.8	25.5	32.6	92	..	6.5	..	6.1	0	2	23	00	4	14	4	0	0	0	3	6
	1130	172	999.8	980.7	..	29.5	27.1	26.3	34.2	83	..	7.0	..	8.3	0	2	29	01	5	7	15	0	0	0	3	0
	1430	172	997.7	978.7	..	30.2	27.2	26.4	34.4	81	..	6.8	..	8.0	0	2	26	00	2	7	14	0	0	3	2	3
	2030	172	998.4	979.1	..	28.1	26.3	25.7	33.0	87	..	5.6	..	4.0	0	0	21	00	1	8	8	0	0	2	2	10
	2330	172	999.4	980.1	..	27.6	26.1	25.6	32.8	90	..	6.0	..	4.8	0	0	24	00	6	9	8	0	1	0	0	7
ALIGARH	0830	187	1000.0	979.1	-0.6	27.6	26.0	25.3	32.2	88	+ 5	6.8	+1.4	5.0	0	0	27	02	3	10	2	1	1	5	3	4
	1730	187	997.1	976.3	-0.6	29.2	26.6	25.5	32.6	82	+10	7.4	+1.8	2.8	0	0	24	03	1	9	0	0	3	6	2	7
MAINPURI	0830	157	999.0	981.5	-1.6	27.3	26.0	25.5	32.6	89	+ 4	6.5	+0.6	1.9	0	0	18	00	0	9	1	0	0	8	0	13
	1730	157	996.5	979.1	-1.8	28.8	26.5	25.6	32.8	84	+ 8	6.7	+1.3	1.3	0	0	13	00	0	5	0	1	0	7	0	18
AGRA	0830	169	999.8	980.9	-1.0	26.9	25.6	24.9	31.5	88	+ 7	5.7	+0.2	0.6	0	0	4	00	0	1	0	0	1	0	2	27
	1730	169	996.8	978.0	-0.9	28.7	26.4	25.4	32.4	83	+ 8	7.1	+1.4	2.8	0	0	12	00	3	0	1	0	4	2	2	19
AGRA AERODROME	0230	169	998.2	979.3	..	25.8	25.0	24.7	31.1	94	..	5.8	..	4.9	0	0	15	00	1	2	1	1	1	6	3	16
	0530	169	998.2	979.3	..	25.6	25.0	24.9	31.5	95	..	6.5	..	7.8	0	2	20	01	1	3	2	0	1	6	8	9
	0830	169	999.6	980.8	..	27.0	26.0	25.4	32.4	90	..	7.1	..	11.1	0	5	20	01	0	3	5	1	1	7	7	6
	1130	169	999.7	980.9	..	29.0	26.6	25.5	32.6	83	..	6.9	..	13.8	0	4	26	03	0	2	8	1	0	7	9	1
	1730	169	996.8	978.2	..	29.0	26.7	25.7	33.0	83	..	6.5	..	12.1	0	4	26	03	3	4	4	0	2	7	7	1
	2330	169	999.2	980.4	..	26.3	25.4	25.1	31.9	93	..	6.3	..	5.1	0	0	20	01	1	3	3	1	1	9	1	11
ORAI	0830	141	999.7	983.9	-1.8	27.4	26.1	25.6	32.8	89	+ 1	6.9	+1.4	2.7	0	0	30	02	8	1	3	0	0	1	15	1
	1730	141	996.6	980.9	-1.7	28.3	26.2	25.3	32.2	84	+ 3	7.0	+1.7	2.3	0	0	31	09	11	0	1	1	1	0	8	0
JHANSI	0830	251	999.9	972.0	-1.2	26.1	24.3	23.6	29.1	84	+ 0	7.0	+1.1	1.4	0	0	16	02	0	2	0	0	0	12	0	15
	1730	251	996.5	968.8	-1.5	29.3	25.7	24.1	30.0	74	- 2	6.9	+0.6	1.7	0	0	24	05	0	9	0	0	0	10	0	7
HARYANA(INCLUDING DELHI AND CHANDIGARH)																										
CHANDIGARH	0830	347	999.2	960.6	-1.4	26.4	24.5	23.6	29.1	84	+ 4	4.9	+1.0	0.8	0	0	6	00	5	1	0	0	0	0	0	25
	1730	347	996.5	958.3	-1.0	29.9	25.8	24.1	30.0	71	+ 2	4.5	+2.0	1.5	0	0	10	00	2	0	3	0	5	0	0	21
AMBALA	0830	272	999.6	969.5	-0.5	26.7	25.2	24.5	30.7	88	+ 6	4.6	+0.1	2.3	0	0	19	00	7	0	11	0	1	0	0	12
	1730	272	996.2	966.4	-1.0	30.1	26.7	25.1	31.9	75	+ 7	3.2	-0.7	2.8	0	0	22	00	3	0	10	0	1	0	8	9
AMBALA P.B.O.	0230	278	998.3	967.6	..	27.2	25.5	24.9	31.5	88	..	5.4	..	3.0	0	1	7	00	2	0	6	0	0	0	0	23
	0530	278	998.3	967.4	..	26.5	25.1	24.6	30.9	89	..	6.6	..	3.1	0	0	14	00	1	0	10	0	3	0	0	17
	1130	278	999.5	969.0	..	29.5	26.3	25.2	32.1	78	..	6.5	..	4.6	0	1	18	00	2	1	13	1	1	0	1	12
	1430	278	997.8	967.3	..	30.5	26.6	25.3	32.2	74	..	6.0	..	4.3	0	0	22	00	2	2	14	0	1	1	2	9
	2030	278	997.9	967.2	..	29.0	26.3	25.5	32.6	81	..	4.5	..	4.7	0	3	12	00	1	3	9	0	1	0	1	16
	2330	278	998.9	968.1	..	27.7	25.9	25.3	32.2	87	..	5.3	..	4.3	0	1	15	00	1	0	11	0	2	0	2	15
AMBALA AERODROME	0530	274	998.3	967.7	..	25.2	24.9	24.6	30.9	96	..	6.6	..	5.8	0	0	18	01	4	6	3	0	2	1	0	13
	0830	274	999.6	969.2	..	27.0	25.5	24.9	31.5	89	..	6.3	..	8.0	0	0	21	01	1	11	7	0	0	0	1	10
	1130	274	999.5	969.5	..	29.4	26.7	25.8	33.4	81	..	6.1	..	10.3	0	1	26	01	1	12	8	0	2	1	2	4
	1730	274	996.7	966.6	..	29.9	26.9	25.7	33.0	79	..	5.5	..	9.4	0	3	18	00	1	6	6	3	1	1	2	10
	2330	274	998.8	968.3	..	26.8	25.7	25.3	32.2	91	..	4.9	..	7.9	0	4	11	00	1	5	4	1	2	1	1	16
KARNAL	0830	249	999.7	972.1	-0.4	28.2	26.0	25.1	31.9	84	- 1	4.8	-0.4	2.5	0	0	25	02	8	0	7	4	1	1	2	6
	1730	249	996.4	969.0	-0.9	30.3	26.6	25.0	31.7	75	+ 4	4.1	-1.1	2.4	0	0	25	02	4	4	9	2	1	0	3	6
HISSAR	0530	221	997.9	973.4	..	26.4	25.5	25.2	32.1	93	..	5.2	..	5.0	0	0	24	00	2	6	7	4	4	1	0	7
	0830	221	999.7	975.2	-0.5	28.0	26.4	25.8	33.2	88	+12	4.9	+1.6	3.7	0	0	24	01	1	5	6	3	6	1	1	7
	1130	221	999.5	975.2	..	31.1	27.8	26.5	34.6	77	..	6.1	..	6.9	0	0	25	00	1	9	1	5	4	5	0	6
	1430	221	997.4	973.2	..	31.9	28.1	26.7	35.0	74	..	6.1	..	8.5	0	1	28	04	3	8	1	4	2	4	3	2
	1730	221	996.8	972.7	-0.3	31.2	27.9	26.7	35.0	76	+13	5.3	+1.2	4.0	0	0	28	02	4	9	4	1	5	2	1	3
	2330	221	998.8	974.2	..	27.7	26.3	25.8	33.2	89	..	3.8	..	3.9	0	0	24	00	2	8	5	2	2	3	2	7
NEW DELHI/SAFDARJUNG	0230	216	998.7	974.6	..	26.6	25.6	25.1	31.9	91	..	5.7	..	5.7	0	3	18	00	3	9	2	1	2	2	2	10
	0530	216	998.6	974.4	..	26.1	25.3	24.9	31.5	93	..	6.6	..	5.1	0	0	21	00	5	8	1	0	3	4	0	10
	0830	216	999.8	975.8	-0.5	27.7	25.8	25.0	31.7	85	+ 8	6.7	+1.3	9.9	0	3	26	01	1	12	3	0	3	5	4	2
	1130	216	999.9	976.0	..	29.8	26.5	25.1	31.9	77	..	6.8	..	13.2	0	6	25	02	2	9	7	0	4	4	3	0
	1430	216	998.0	974.2	..	30.5	26.5	24.9	31.5	73	..	6.8	..	12.0	0	4	27	02	3	10	5	1	0	5	4	0
	1730	216	997.1	973.2	-0.1	30.2	26.4	24.8	31.3	74	+ 9	6.4	+0.9	7.8	0	0	24	00	4	7	3	0	2	4	4	7
	2030	216	998.5	974.5	..	28.0	25.9	25.1	31.9	85	..	6.4	..	5.8	0	1	21	00	3	6	2	3	3	4	1	9
	2330	216	999.2	975.2	..	27.2	25.8	25.2	32.1	89	..	5.5	..	3.8	0	0	18	00	1	6	2	1	2	4	2	13

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST ,1967(SRAVANA 10 - BHADRA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HARYANA(INCLUDING DELHI AND CHANDIGARH) (CONTD.)																											
PALAM AERODROME	0230	233	998.4	972.5	..	26.1	25.4	25.0	31.7	93	..	5.5	..	9.5	0	1	26	01	3	10	6	1	3	2	1	4	0
	0530	233	998.2	972.3	..	25.7	25.1	24.8	31.3	95	..	6.4	..	8.5	0	2	24	01	1	9	6	0	2	4	3	5	0
	0830	233	999.7	973.7	..	27.2	25.8	25.2	32.1	89	..	6.5	..	11.0	0	1	29	04	1	5	9	2	1	5	3	1	0
	1130	233	999.8	974.1	..	29.1	26.3	25.2	32.1	80	..	6.6	..	14.6	0	6	24	02	5	4	9	1	0	5	4	1	0
	1430	233	997.7	972.1	..	30.4	26.7	25.2	32.1	75	..	6.6	..	16.3	0	10	21	02	2	8	7	0	3	5	4	0	0
	1730	233	996.6	971.0	..	29.8	26.5	25.1	31.9	77	..	6.0	..	11.2	0	3	25	02	1	7	8	3	0	3	4	3	0
	2030	233	998.3	972.4	..	27.3	25.8	25.2	32.1	89	..	6.2	..	7.7	0	1	24	00	2	3	7	4	3	3	2	6	1
	2330	233	999.2	973.2	..	26.7	25.7	25.2	32.1	92	..	5.6	..	7.5	0	0	25	00	1	6	9	2	2	4	1	6	0
PUNJAB																											
PATHANKOT	0530	312	998.6	963.8	..	25.4	24.2	23.6	29.1	90	..	6.3	..	5.5	0	1	18	01	9	5	2	1	1	0	0	12	0
	0830	312	999.9	965.3	-0.5	26.7	24.6	23.6	29.1	84	+ 2	6.2	+0.5	6.5	0	2	17	02	3	7	3	2	2	0	0	12	0
	1130	312	1000.0	965.7	..	29.2	25.6	24.0	29.8	74	..	5.7	..	7.4	0	0	22	01	5	4	3	5	4	0	0	9	0
	1730	312	996.5	962.5	-1.5	30.7	26.2	24.4	30.1	69	- 1	5.2	+0.6	6.5	0	0	23	00	2	1	6	4	8	2	0	8	0
	2330	312	999.2	964.7	..	26.7	25.0	24.2	30.2	87	..	4.3	..	4.2	0	0	13	02	1	5	2	2	1	0	0	18	0
AMRITSAR	0530	234	998.3	972.2	..	26.3	25.4	24.9	31.5	92	..	4.9	..	7.9	0	2	21	02	5	11	3	1	0	0	1	8	0
	0830	234	999.5	973.5	-0.6	28.1	25.8	24.9	31.5	83	+ 1	4.7	+0.7	9.7	0	1	26	00	6	11	4	3	1	0	0	4	0
	1130	234	999.7	974.0	..	31.1	26.9	25.2	32.1	71	..	5.4	..	10.6	0	2	25	01	5	8	9	3	0	1	0	4	0
	1430	234	997.8	972.2	..	31.8	26.9	24.9	31.5	68	..	5.5	..	11.7	0	4	22	02	5	7	5	2	0	3	2	5	0
	1730	234	996.4	970.8	-0.5	31.4	26.9	25.0	31.7	70	+ 5	5.2	+1.6	10.7	0	4	22	01	5	8	8	1	1	0	2	5	0
	2030	234	997.6	971.8	..	28.7	26.5	25.6	32.8	84	..	4.3	..	7.0	0	2	14	00	0	10	3	2	0	0	1	15	0
ADAMPUR AERODROME	0830	249	999.6	972.0	..	27.7	24.9	23.5	28.9	79	..	6.0	..	8.4	0	1	21	02	2	1	12	5	0	0	0	9	0
	1730	249	997.4	970.0	..	29.6	25.5	23.7	29.3	71	..	5.3	..	8.6	0	2	20	03	2	7	6	3	0	0	1	9	0
LUDHIANA	0830	247	999.8	972.4	-0.8	27.5	25.3	24.8	31.3	85	+ 6	5.7	+1.3	1.8	0	0	20	00	3	1	11	2	2	0	1	11	0
	1730	247	996.5	969.7	-0.6	30.7	26.7	25.1	31.9	73	+ 7	4.5	+0.2	5.3	0	0	25	01	10	0	9	2	2	0	1	6	0
FEROZEPUR	0830	200	999.5	977.3	+0.0	29.0	26.6	25.5	32.6	82	+ 3	3.1	+0.0	1.5	0	0	19	03	2	1	7	4	2	0	0	12	0
	1730	200	998.0	976.1	+1.9	31.9	27.2	25.2	32.1	69	+ 4	4.2	+0.8	3.9	0	0	28	10	12	2	0	0	0	0	4	3	0
HALWARA AERODROME	0530	242	998.5	971.5	..	25.4	24.8	24.5	30.7	94	..	5.7	..	5.2	0	2	10	02	1	1	4	4	0	0	0	19	0
	0830	242	999.6	972.8	..	28.0	26.0	25.1	31.9	85	..	5.9	..	9.2	0	1	21	00	0	4	12	5	0	1	0	9	0
	1130	242	999.7	973.2	..	30.7	26.9	25.4	32.4	74	..	5.9	..	12.9	0	3	24	02	0	5	14	3	3	0	0	4	0
	1730	242	996.6	970.2	..	30.5	26.5	24.8	31.3	73	..	5.1	..	12.1	0	2	26	02	6	4	12	0	2	0	2	3	0
	2330	242	999.0	972.1	..	26.5	25.4	24.9	31.5	91	..	3.8	..	5.0	0	0	13	01	1	4	7	0	0	0	0	18	0
PATIALA	0830	251	999.6	971.9	-0.6	26.9	25.6	25.0	31.7	90	+ 7	5.9	+0.8	0.3	0	0	1	00	0	0	1	0	0	0	0	30	0
	1730	251	997.1	969.7	+0.0	30.1	26.6	25.2	32.1	76	+ 9	5.3	+0.3	4.8	0	0	13	01	4	0	7	0	0	0	1	18	0
BHATINDA	0830	211	999.3	976.0	..	30.3	27.0	25.6	32.8	76	- 5	2.5	-0.5	4.1	0	0	28	00	3	1	18	0	4	0	2	3	0
	1730	211	996.1	972.9	..	32.8	27.0	24.5	30.7	63	- 6	2.7	-0.5	3.9	0	0	28	00	2	0	11	0	3	0	12	3	0
HIMACHAL PRADESH																											
MANDI	0830	761	1000.9	917.9	+0.0	23.2	22.4	22.1	26.6	94	+ 5	6.6	+1.0	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	761	996.9	915.1	+0.0	26.3	23.8	22.8	27.7	82	+ 4	6.5	+0.9	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BILASPUR	0830	587	1000.1	935.9	-0.9	24.7	24.0	23.7	29.3	95	+ 8	6.3	+0.3	1.7	0	0	21	01	2	0	2	1	2	1	12	10	0
	1730	587	997.6	934.1	+0.1	27.3	24.7	23.6	29.1	81	+10	6.0	+0.6	3.5	0	0	29	02	2	1	5	3	3	2	11	2	0
JAMMU AND KASHMIR																											
MISGAR	0830		(R)																								
	1730		(R)																								
GILGIT	0830		(R)																								
	1730		(R)																								
SKARDU	0830		(R)																								
	1730		(R)																								
LEH	0530	3514	(R)																								
	0830	3514	3076.5	665.1	-0.1	14.1	9.6	5.7	9.1	58	+ 4	4.0	-0.2	2.7	0	0	22	00	2	0	0	0	19	0	0	3	0
	1730	3514	3008.5	660.8	-0.8	22.1	11.2	2.4	7.3	29	- 7	4.8	+0.7	5.9	0	0	27	01	1	0	1	1	11	12	0	4	0
SRINAGAR	0230	1587	1414.6	833.3	..	20.4	18.1	17.0	19.4	81	..	3.7	..	2.1	0	0	15	01	1	0	5	2	0	0	6	13	0
	0530	1587	1417.0	833.6	..	19.5	17.5	16.5	18.7	83	..	4.3	..	2.4	0	0	19	00	0	0	10	0	2	1	6	9	0
	0830	1587	1426.8	834.6	-1.0	20.9	18.3	17.1	19.5	79	+ 0	4.2	-0.2	2.8	0	0	25	00	1	0	19	0	1	2	2	4	0
	1130	1587	1419.6	834.2	..	26.3	20.4	17.5	20.0	59	..	3.5	..	2.7	0	0	23	02	1	0	7	3	0	0	9	6	0
	1430	1587	1406.0	832.7	..	28.8	20.7	16.7	19.0	48	..	4.0	..	3.3	0	0	29	00	0	1	9	4	3	3	9	0	0
	1730	1587	1387.7	831.2	-1.6	28.1	20.4	16.4	18.6	50	- 3	2.7	-1.3	2.9	0	0	23	03	0	1	5	3	1	1	9	6	0
	2030	1587	1402.7	832.4	..	23.4	19.2	17.1	19.5	68	..	2.7	..	2.4	0	0	23	02	0	1	9	0	0	0	11	5	0
	2330	1587	1412.8	833.3	..	22.0	18.6	16.9	19.2	74	..	2.8	..	1.6	0	0	18	00	2	0	8	2	0	0	6	10	0
SRINAGAR AERODROME	0530	1666	1421.8	826.6	..	18.2	16.4	15.3	17.4	83	..	4.5	..	3.2	0	0	12	01	2	0	0	3	2	3	1	19	0
	0830	1666	1426.9	827.3	..	21.5	17.7	15.6	17.7	69	..	4.1	..	4.8	0	0	15	01	1	1	5	4	1	1	1	16	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST ,1967(SRAVANA 10 - BHADRA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or in gpm. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD.)																											
SRINAGAR AERODROME	1130	1666	1424.1	827.4	..	25.5	19.3	16.2	18.4	57	..	4.0	..	8.8	0	0	27	04	3	7	2	6	0	1	4	4	0
	1730	1666	1392.3	824.6	..	28.0	19.3	14.6	16.6	46	..	3.6	..	9.6	0	0	25	01	5	4	1	2	2	1	9	6	0
	2330	1666	1426.1	827.3	..	20.2	16.7	14.7	16.7	72	..	2.7	..	5.0	0	0	18	00	4	1	2	1	6	2	2	13	0
GULMARG	0830	2655	3080.9	736.2	-1.2	16.5	13.9	12.0	14.0	76	- 5	4.8	+0.5	1.9	0	0	15	01	1	11	2	0	0	0	0	16	0
	1730	2655	3067.1	734.8	..	18.6	15.1	12.8	14.8	70	..	4.1	..	2.0	0	0	18	00	3	10	1	0	1	3	0	13	0
QAZIGUND	0830	..	..	..	..	20.2	17.8	16.6	18.9	80	..	4.7	..	0.3	0	0	1	00	0	0	1	0	0	0	0	30	0
	1730	..	..	..	..	25.4	19.2	16.1	18.3	57	..	3.9	..	5.2	0	0	21	00	1	1	0	15	3	1	0	10	0
BANIHAL	0830	..	..	..	..	19.8	18.3	17.6	20.1	88	..	6.6	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	..	..	..	..	25.3	20.6	18.4	21.1	66	..	4.5	..	0.4	0	0	5	00	0	0	0	5	0	0	0	26	0
JAMMU	0830	366	997.7	957.2	..	26.6	25.0	24.2	30.2	87	+ 6	5.5	+0.6	3.6	0	0	28	00	24	0	4	0	0	0	0	3	0
	1730	366	996.2	956.3	..	30.7	26.8	25.1	31.9	71	..	6.0	..	5.0	0	0	24	00	24	0	0	0	0	0	0	7	0
JAMMU AERODROME	0530	292	998.9	966.2	..	25.6	24.0	23.2	28.4	87	..	5.6	..	5.0	0	1	13	02	5	0	2	0	0	1	4	17	0
	0830	292	999.7	967.2	..	27.2	24.6	23.8	29.5	82	..	5.4	..	2.1	0	0	11	02	3	3	1	1	1	0	0	20	0
	1130	292	999.9	967.7	..	30.3	26.0	24.2	30.2	71	..	5.8	..	6.2	0	0	22	00	3	1	4	5	[illegible]	1	3	[illegible]	[illegible]
	1730	292	996.5	964.6	..	31.6	26.6	24.5	30.7	68	..	4.5	..	4.4	0	0	18	00	2	1	2	[illegible]	[illegible]	2	0	13	0
	2330	292	999.0	966.6	..	27.6	25.2	24.2	30.2	82	..	3.6	..	3.5	0	0	13	01	[illegible]	[illegible]	4	1	0	0	0	[illegible]	0
GULMARG (RESEARCH INSTITUTE)	0830		(R)																								
	1730		(R)																								
RAJASTHAN, WEST																											
GANGANAGAR	0530	177	997.5	977.8	..	27.5	25.6	24.8	31.3	84	..	3.0	..	0.8	0	0	10	00	1	0	4	0	5	0	0	21	0
	0830	177	998.7	979.1	-0.7	29.3	26.2	24.9	31.5	81	+13	3.6	+1.8	2.5	0	0	22	00	1	2	7	1	10	1	0	9	0
	1130	177	998.8	979.5	..	33.2	27.2	24.7	31.1	62	..	4.4	..	3.7	0	1	23	00	3	0	5	1	11	0	4	7	0
	1730	177	995.5	976.8	-0.1	33.0	27.1	24.2	30.2	59	+ 3	5.3	+2.4	2.7	0	0	26	00	4	2	9	0	9	2	0	5	0
	2330	177	998.1	978.4	..	28.9	25.9	24.7	31.1	78	..	1.6	..	1.7	0	0	15	00	1	1	10	2	1	0	0	16	0
ANUPGARH	0830	154	D.N.																								
	1730	154	D.N.																								
MAHAJAN	0830	187	997.2	976.5	..	29.3	26.7	25.7	33.0	81	..	2.0	..	4.0	0	0	30	01	0	8	0	6	13	1	1	0	0
	1730	187	993.5	973.2	..	33.8	27.1	24.2	30.2	60	..	1.5	..	4.3	0	0	25	02	1	6	0	5	11	0	0	3	0
CHURU	0830	291	999.8	967.6	-0.5	27.1	26.0	25.5	32.6	89	+10	5.0	+0.5	10.6	0	4	26	03	0	1	1	2	2	20	1	1	0
	1730	291	996.6	964.8	-0.6	31.1	27.2	25.6	32.8	73	+12	5.9	+0.7	9.9	0	2	26	02	3	5	2	2	4	10	0	3	0
BIKANER	0830	224	999.4	974.6	-0.7	29.1	25.3	23.6	29.1	75	+ 3	3.6	+1.3	6.7	0	0	29	01	2	0	0	4	15	5	2	2	0
	1730	224	995.8	971.8	-0.5	32.9	25.5	21.7	25.9	53	+ 0	5.8	+2.8	5.8	0	0	29	02	6	0	0	7	13	1	0	2	0
BIKANER P.B.O.	0530	224	997.9	973.1	..	27.3	24.8	23.6	29.1	81	..	3.6	..	4.8	0	0	24	00	0	0	0	5	18	1	0	7	0
	1130	224	999.2	974.6	..	32.9	26.0	23.0	28.1	57	..	4.6	..	5.7	0	0	30	05	0	1	0	2	14	5	3	1	0
	1430	224	996.8	972.4	..	35.1	26.2	22.1	26.6	49	..	5.7	..	5.5	0	0	28	03	2	1	0	4	9	7	2	3	0
	2030	224	997.6	973.0	..	30.7	24.8	22.7	27.6	62	..	4.8	..	4.8	0	0	26	02	2	1	1	11	7	2	0	5	0
	2330	224	998.4	973.7	..	29.3	24.9	22.8	27.7	66	..	4.0	..	4.9	0	0	26	00	4	0	1	10	11	0	0	5	0
NAGAUR	0830	298	1000.0	967.1	-0.2	27.8	25.3	24.2	30.2	81	+ 7	5.1	+0.4	8.6	0	0	31	01	1	0	1	9	13	4	2	0	0
	1730	298	996.3	963.9	+0.0	31.3	25.9	23.3	28.6	63	+ 5	6.2	+0.8	9.1	0	0	31	01	1	0	1	11	13	2	2	0	0
PHALODI	0830	234	999.9	974.1	-0.9	27.6	25.6	24.6	30.9	83	+ 2	3.9	-0.5	17.4	0	10	21	00	0	0	0	10	17	1	3	0	0
	1730	234	997.1	971.8	-1.0	34.1	27.0	24.0	29.8	58	- 2	4.0	-0.3	14.9	0	10	21	01	0	0	2	14	9	4	1	0	0
JAISALMER	0830	242	999.3	972.4	-0.4	27.6	23.9	22.1	26.6	72	- 7	4.2	+0.9	12.6	0	4	27	00	1	0	0	14	16	0	0	0	0
	1730	242	996.4	969.9	-0.1	32.6	24.2	19.8	23.1	50	- 9	5.0	+1.6	11.6	0	4	27	00	0	2	0	14	15	0	0	0	0
JODHPUR	0230	224	999.6	974.5	..	26.5	24.8	24.1	30.0	86	..	4.5	..	11.0	0	1	29	00	0	0	0	2	25	3	0	1	0
	0530	224	999.6	974.4	..	25.9	24.4	23.7	29.3	88	..	5.7	..	9.5	0	1	29	00	0	0	0	1	24	5	0	1	0
	0830	224	1001.0	975.9	-0.5	26.9	25.1	24.3	30.4	86	+ 5	6.8	+0.9	13.3	0	2	29	00	0	0	0	1	16	13	1	0	0
	1130	224	1001.1	976.3	..	29.7	25.9	24.3	30.4	79	..	6.5	..	15.3	0	2	29	00	0	0	0	2	18	9	1	0	1
	1430	224	999.1	974.5	..	31.9	26.4	24.0	29.8	64	..	6.5	..	15.0	0	4	27	00	0	0	1	2	20	7	1	0	0
	1730	224	997.8	973.2	-0.3	31.2	26.3	24.1	30.0	66	+ 5	6.2	+0.4	13.6	0	3	28	00	0	0	2	5	18	6	0	0	0
	2030	224	999.4	974.5	..	29.0	25.7	24.2	30.2	76	..	5.9	..	8.5	0	0	27	01	0	0	0	0	4	19	3	4	0
	2330	224	1000.3	975.3	..	27.5	25.1	24.0	29.8	82	..	4.9	..	10.2	0	2	28	00	0	0	2	4	23	1	0	1	0
BARMER	0830	194	1000.0	978.4	-0.9	27.2	25.1	24.1	30.0	83	-87	5.2	+2.6	4.5	0	0	29	00	0	0	0	8	14	7	0	2	0
	1130	194	1000.1	978.6	..	30.8	26.3	24.3	30.4	69	..	5.9	..	4.8	0	0	30	00	0	0	1	6	19	4	0	1	0
	1730	194	997.0	975.8	-0.7	32.9	26.7	24.0	29.8	60	+60	5.7	+0.8	5.4	0	0	28	00	0	0	1	5	20	2	0	3	0
	2330	194	999.6	978.1	..	28.8	25.5	24.1	30.0	76	..	3.5	..	4.8	0	0	28	00	0	0	1	7	17	3	0	3	0
BHINPURA (JAWAI DAM)	0830	295	1001.[illegible]	968.5	-0.6	26.1	[illegible]	23.6	29.1	87	+ 4	5.9	-0.7	2.5	0	0	26	00	0	0	7	[illegible]	[illegible]	[illegible]	0	5	1
	1730	295	996.9	964.5	-1.7	[illegible]	25.4	23.7	29.3	69	+ 0	5.9	-0.7	2.3	0	0	26	00	[illegible]	0	1	9	12	4	0	5	0
RAJASTHAN, EAST																											
PILANI	0830	301	1000.4	967.0	-1.2	27.1	25.2	24.4	30.5	86	+ 9	5.0	+1.8	12.2	0	4	27	01	4	2	1	4	8	10	1	0	0
	1730	301	[illegible].3	964.4	-0.2	30.1	25.0	24.1	30.0	72	+ 6	6.0	+2.0	10.9	0	2	28	02	2	5	5	3	6	5	2	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST 1967 (SRAVANA 10 - BHADRA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gcm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SIKAR	0830	433	999.7	951.9	-1.2	25.7	24.4	23.8	29.4	89	+ 6	3.8	-1.2	0.6	0	0	9	00	0	0	0	0	1	8	0	22	0
	1730	433	996.4	949.9	-0.5	29.8	25.4	23.6	29.1	74	+ 7	3.7	-1.7	1.3	0	0	18	01	0	0	0	0	1	11	5	13	0
ALWAR	0830	271	998.9	968.7	-0.9	27.1	25.2	24.3	30.4	85	+ 4	6.6	+1.1	1.3	0	0	15	02	2	2	0	0	2	5	2	16	0
	1730	271	996.1	966.4	-1.1	29.7	26.2	24.7	31.1	75	+ 1	6.3	+0.7	1.5	0	0	18	04	1	2	1	0	4	4	2	13	0
JAIPUR (SANGANER)	0230	390	998.4	955.2	..	25.2	24.5	24.1	30.0	94	..	6.0	..	4.1	0	0	23	01	2	2	0	0	2	9	7	8	0
	0530	390	998.5	955.2	..	24.5	24.1	23.9	29.7	94	..	6.8	..	4.1	0	0	21	01	1	1	0	0	0	10	8	10	0
	0830	390	999.7	956.6	-1.6	26.5	24.9	24.2	30.2	87	+ 5	6.8	+1.2	8.3	0	0	29	01	2	3	0	0	0	12	11	2	0
	1130	390	999.6	956.8	..	28.6	25.6	24.3	30.4	78	..	7.1	..	10.5	0	3	25	00	1	4	2	0	0	7	14	3	0
	1430	390	997.5	955.0	..	29.9	26.2	24.6	30.9	73	..	7.1	..	9.3	0	2	25	01	1	4	2	0	0	13	6	4	0
	1730	390	996.6	954.1	-1.3	29.1	25.9	24.6	30.9	77	+ 6	7.0	+0.7	8.2	0	1	27	03	2	3	0	0	4	11	5	3	0
	2030	390	998.5	955.5	..	26.7	25.2	24.6	30.9	88	..	6.7	..	3.5	0	0	20	01	2	3	1	0	1	7	5	11	0
	2330	390	999.3	956.2	..	26.0	25.0	24.5	30.7	92	..	6.0	..	3.5	0	0	22	00	0	3	1	0	0	12	6	9	0
DHOLPUR	0830	176	999.3	979.7	-0.6	26.3	25.2	23.9	29.7	88	+ 3	5.9	-0.2	1.8	0	0	13	00	0	2	0	1	0	10	0	18	0
	1730	176	996.2	976.7	-0.9	28.8	26.2	25.1	31.9	81	+ 4	6.8	+0.5	2.1	0	0	12	00	0	0	0	0	0	12	0	19	0
AJMER	0830	486	1000.2	946.9	-1.0	25.6	23.8	23.0	28.1	86	+ 6	6.7	+0.7	13.2	0	5	26	00	0	0	0	0	15	16	0	0	0
	1730	486	997.1	944.4	-1.2	28.4	24.9	23.4	28.8	75	+ 9	6.3	+0.4	11.9	0	1	29	01	2	0	1	0	8	16	2	1	0
TONK	0830	272	998.9	968.8	-0.4	26.7	24.8	23.9	29.6	85	- 3	2.6	-3.1	6.3	0	0	31	01	1	0	0	2	8	18	1	0	0
	1730	272	995.8	965.8	-0.7	29.3	25.7	23.4	28.7	75	- 2	5.9	+0.5	4.5	0	0	29	01	3	1	0	3	4	15	2	2	0
BHILWARA	0830	425	1000.7	953.9	..	25.6	23.9	23.1	28.3	86	..	7.0	..	5.5	0	0	24	00	0	0	0	1	13	5	5	7	0
	1730	425	998.1	951.7	..	28.2	25.2	24.1	30.0	77	..	7.5	..	3.9	0	0	17	00	1	0	0	1	10	3	2	14	0
KOTA	0830	257	999.3	971.4	-1.4	27.0	25.1	24.2	30.2	85	+ 4	6.9	+0.8	10.2	0	0	31	00	0	0	0	0	4	20	7	0	0
	1730	257	997.7	969.3	-0.8	28.7	25.9	24.7	31.1	80	+11	7.0	+0.4	7.0	0	1	27	02	0	0	0	1	7	14	4	3	0
KOTA AERODROME	0530	274	998.6	968.1	..	25.2	23.9	23.2	28.4	87	..	6.1	..	11.0	0	3	28	01	0	0	0	0	5	24	1	0	0
	0830	274	1000.5	970.0	..	26.7	24.4	23.4	28.8	83	..	6.7	..	12.8	0	3	28	00	0	0	0	0	5	24	2	0	0
	1130	274	1000.5	970.1	..	27.6	24.3	23.0	28.1	76	..	7.3	..	14.1	0	7	24	02	1	0	0	0	4	18	6	0	0
	1730	274	997.6	967.4	..	28.8	25.1	23.5	28.9	74	..	7.3	..	12.7	0	1	30	04	0	0	0	0	7	17	3	0	0
	2330	274	1000.1	969.6	..	26.3	24.7	23.7	29.3	88	..	5.6	..	9.2	0	0	30	00	1	0	0	1	6	18	4	1	0
CHAMBAL (RAWAT BHATTA DAM)	0830	351	999.6	960.8	-1.7	26.0	24.6	24.1	30.0	89	+ 2	6.6	+1.0	4.3	0	0	27	00	0	0	1	0	22	2	2	4	0
	1730	351	996.8	958.5	-1.5	28.9	26.0	25.0	31.7	83	+ 5	6.2	-0.2	8.0	0	1	30	01	1	0	1	0	27	0	1	0	0
UDAIPUR	0230	582	1000.5	936.6	..	24.1	22.7	22.0	26.4	88	..	5.9	..	1.7	0	0	12	00	0	0	3	5	2	2	0	19	0
	0530	582	1000.2	936.2	..	23.7	22.3	21.7	25.9	88	..	6.5	..	1.7	0	0	12	00	0	0	1	4	5	1	1	19	0
	0830	582	1001.4	937.6	-0.5	24.6	22.8	21.9	26.3	85	+ 4	7.0	+0.3	2.4	0	0	16	00	0	0	1	4	3	6	2	15	0
	1130	582	1001.3	938.0	..	27.0	23.6	22.1	26.6	75	..	7.0	..	4.5	0	0	27	01	0	0	2	7	8	8	1	4	0
	1730	582	998.8	935.7	-0.5	27.3	23.9	22.4	27.1	75	+ 0	6.6	-0.3	6.7	0	0	30	01	0	0	6	7	7	6	3	1	0
	2330	582	1001.5	937.7	..	24.7	23.0	22.2	26.7	87	..	5.9	..	1.0	0	0	7	00	0	0	0	3	3	1	0	24	0
JHALAWAR	0830	321	(R)																								
	1730	321	(R)																								
BANSWARA	0830	220	1002.9	978.0	..	24.6	24.1	23.9	29.6	96	..	5.6	..	8.0	0	0	31	00	0	0	0	12	17	2	0	0	0
	1730	220	1000.0	975.3	..	27.9	25.4	24.3	30.4	82	..	4.7	..	8.0	0	0	31	00	0	0	0	12	13	5	1	0	0
MADHYA PRADESH, WEST																											
GWALIOR	0230	207	998.2	975.1	..	26.0	24.9	24.5	30.7	91	..	6.5	..	4.3	0	0	18	01	0	2	1	1	3	9	1	13	0
	0530	207	998.3	975.1	..	25.6	24.5	24.0	30.0	91	..	6.9	..	6.0	0	0	25	02	2	1	0	3	3	11	3	6	0
	0830	207	999.6	976.6	-1.1	26.5	24.9	24.2	30.0	87	+ 5	7.0	+0.6	6.5	0	0	31	05	2	3	1	1	2	13	4	0	0
	1130	207	999.7	976.7	..	28.4	25.8	24.8	31.1	81	..	7.0	..	8.1	0	0	30	02	2	2	3	0	0	12	9	1	0
	1430	207	997.7	974.9	..	29.3	26.3	25.1	31.7	78	..	7.1	..	7.7	0	0	30	01	3	1	1	5	0	13	6	1	0
	1730	207	996.8	973.9	-1.0	28.5	26.0	25.0	31.7	82	+ 7	6.8	+0.2	7.8	0	0	31	03	3	0	1	2	3	11	8	0	0
	2030	207	998.5	975.5	..	27.0	25.6	25.0	31.7	89	..	6.7	..	3.8	0	0	23	01	2	2	1	3	6	7	1	8	0
	2330	207	999.3	976.2	..	26.5	25.3	24.7	31.3	91	..	6.7	..	3.8	0	0	20	01	1	1	0	1	10	4	2	11	0
SHEOPUR	0830	235	1000.2	974.0	-0.6	25.9	24.8	24.3	30.4	91	+ 3	7.0	+0.1	6.5	0	0	29	03	0	0	1	9	9	7	0	2	0
	1730	235	996.9	971.0	-0.7	28.7	25.8	24.5	30.7	79	+ 1	7.3	+1.1	8.6	0	0	31	04	4	0	1	2	5	10	5	0	0
SHIVPURI	0830	464	1000.0	948.7	..	24.6	23.0	22.2	26.9	87	..	6.9	..	8.7	0	0	31	00	2	1	0	1	4	10	13	0	0
	1730	464	996.8	946.1	..	27.3	24.5	23.5	28.6	80	..	6.5	..	11.1	0	4	26	02	1	1	0	0	6	15	5	1	0
NOWGONG	0830	229	1000.3	974.7	-1.0	25.7	24.8	24.3	30.5	92	+ 7	7.3	+1.0	5.9	0	0	27	02	0	2	0	1	13	7	2	4	0
	1730	229	997.2	971.9	-0.8	27.8	25.8	24.9	31.5	85	+ 8	6.8	+0.4	3.2	0	0	26	01	1	2	0	3	11	4	4	5	0
GUNA	0530	478	999.8	946.8	..	23.3	23.0	22.9	27.9	98	..	7.4	..	10.7	0	3	26	00	1	0	0	0	18	8	2	2	0
	0830	478	1001.1	948.2	-0.9	24.4	23.8	23.5	28.9	95	+ 7	7.8	+1.7	6.9	0	0	31	01	0	1	0	0	5	24	0	0	0
	1130	478	1000.9	948.5	..	26.6	25.0	24.4	30.5	88	..	7.4	..	10.9	0	2	29	01	2	0	0	0	6	19	3	0	0
	1430	478	998.8	946.5	..	26.9	25.3	24.7	31.1	88	..	7.4	..	10.2	0	0	31	03	2	1	0	0	7	13	5	0	0
	1730	478	998.0	945.5	-1.1	25.9	24.9	24.5	30.7	92	+12	7.4	+0.9	11.4	0	2	28	04	1	0	0	0	8	14	3	1	0
	2330	478	1000.8	948.0	..	24.2	23.7	23.5	28.9	96	..	6.5	..	7.3	0	0	27	02	0	0	0	2	13	8	2	4	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST ,1967(SRAVANA 10 - BHADRA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 62 or more	20 to 61	1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
MADHYA PRADESH. WEST(CONTD)																										
NIMACH	0830	496	1002.1	947.3	-0.7	24.2	22.9	22.4	26.9	90	+ 4	7.5	+0.6	15.7	0	7	23	00	0	0	0	0	16	14	0	1
	1730	496	999.2	945.1	-1.0	27.2	23.7	22.1	26.6	74	- 1	6.9	+0.2	14.8	0	8	23	00	1	1	0	0	12	17	0	0
RAJGARH	0830	382	1001.5	959.0	-0.2	24.6	24.3	23.1	27.6	91	+ 3	7.8	+0.9	11.7	0	2	29	00	0	0	0	0	4	25	2	0
	1730	382	998.7	956.7	-0.1	27.3	24.7	23.6	28.9	81	+ 4	7.3	+0.5	10.0	0	1	30	04	1	0	0	0	1	22	3	0
SAGAR	0830	551	1001.0	940.3	-0.6	23.7	22.9	22.5	27.3	93	+ 3	7.9	+1.0	6.6	0	0	31	00	4	4	0	0	9	12	2	0
	1730	551	997.6	937.6	-0.7	26.3	24.1	23.2	28.4	84	+ 2	7.4	+0.7	7.4	0	0	31	00	6	6	0	0	4	5	10	0
RATLAM	0830	486	1002.7	948.7	-0.3	23.5	22.3	21.9	26.1	90	- 3	8.0	+0.3	12.3	0	2	29	01	0	0	0	0	8	19	3	0
	1730	486	999.6	946.4	-0.4	26.8	23.6	22.2	26.7	76	- 2	7.4	+0.0	13.4	0	0	31	01	1	0	0	0	13	15	1	0
BHOPAL(BAIRAGARH)	0230	523	1000.6	942.8	..	23.2	22.3	21.8	26.3	92	..	7.4	..	13.4	0	2	29	01	0	0	0	0	14	13	3	0
	0530	523	1000.6	942.7	..	22.8	21.9	21.5	25.6	92	..	7.5	..	13.6	0	3	28	01	0	0	0	0	12	15	3	0
	0830	523	1002.1	944.2	-0.8	23.9	22.7	22.1	26.7	90	+ 2	7.8	+0.8	17.7	0	12	19	00	1	0	0	0	5	21	4	0
	1130	523	1001.9	944.4	..	25.7	23.5	22.5	27.3	83	..	7.8	..	19.2	0	15	16	00	1	0	0	0	4	19	7	0
	1430	523	999.5	942.5	..	27.1	24.2	23.0	27.9	79	..	7.7	..	18.7	0	14	16	01	0	0	0	0	2	19	8	1
	1730	523	998.5	941.5	-0.7	26.7	23.9	22.7	27.6	80	+ 4	7.6	+0.8	15.8	0	5	26	02	0	0	0	0	5	15	9	0
	2030	523	1000.8	943.3	..	24.6	23.1	22.5	27.3	88	..	7.7	..	9.9	0	1	29	01	0	0	0	2	12	11	4	1
	2330	523	1001.6	943.9	..	23.9	22.7	22.2	26.7	91	..	7.4	..	11.5	0	1	30	01	0	0	0	0	15	12	3	0
UJJAIN	0830	489	1002.5	948.3	..	23.8	22.4	21.8	26.1	89	..	7.9	..	16.8	0	10	21	00	0	0	0	0	0	25	6	0
	1730	489	999.3	945.8	..	27.2	23.4	21.7	25.9	7a	..	7.6	..	18.6	0	19	10	00	0	0	0	0	1	19	9	2
NARSINGHPUR	0830	356	1001.3	961.8	..	24.6	23.6	23.2	28.3	92	..	7.5	..	3.7	0	0	28	00	0	0	0	0	20	8	0	3
	1730	356	998.2	958.9	..	26.4	24.6	23.7	29.5	86	..	8.0	..	1.9	0	0	30	00	0	0	0	0	30	0	0	1
HOSHANGABAD	0830	302	1002.7	968.9	+0.0	24.4	23.3	22.8	27.6	91	+ 2	8.0	+0.9	2.0	0	0	31	00	0	0	0	2	29	0	0	0
	1730	302	999.5	966.1	+0.2	26.6	24.5	23.5	28.9	84	+ 6	6.8	-0.1	2.1	0	1	30	00	14	0	7	0	8	0	2	0
INDORE	0530	567	1001.4	938.6	..	22.1	21.4	21.0	24.9	93	..	7.1	..	18.6	0	16	15	00	0	0	0	0	12	18	1	0
	0830	567	1002.7	940.1	-0.4	23.2	22.0	21.5	25.5	90	+ 2	7.4	+0.3	22.6	0	20	11	00	0	0	0	0	11	18	2	0
	1130	567	1002.4	940.2	..	25.4	22.9	21.7	25.9	81	..	7.1	..	24.5	0	20	11	00	0	0	0	0	8	20	3	0
	1730	567	999.5	937.6	-0.4	25.9	23.1	21.8	26.3	79	+ 2	6.9	+0.1	20.3	0	15	15	00	1	0	0	0	8	20	1	1
	2330	567	1002.7	940.0	..	23.0	22.1	21.7	25.9	92	..	6.6	..	16.4	0	10	20	00	0	0	0	0	12	18	0	1
RAJPUR(JHABUA)	0830	293	1003.6	970.8	-0.2	24.5	23.2	22.6	27.3	89	- 1	7.2	-0.2	12.2	0	2	27	00	0	0	0	0	4	25	0	2
	1730	293	1001.2	968.7	+0.4	27.1	24.3	23.1	28.1	79	+ 2	6.6	-0.2	9.5	0	0	31	00	0	0	0	0	0	31	0	0
CHHINDWARA	0830	685	1001.7	926.7	-0.5	23.3	21.8	21.1	25.0	89	+ 2	7.7	+1.1	8.3	0	2	29	00	0	0	0	0	1	25	5	0
	1730	685	999.0	924.7	-0.1	25.2	22.6	21.4	25.5	81	+ 2	7.6	+0.8	7.2	0	0	31	00	0	0	0	0	1	26	4	0
SEONI	0830	619	1001.4	933.5	-0.7	23.5	22.3	21.8	26.1	91	+ 5	7.4	+0.5	7.4	0	0	31	00	1	0	0	0	11	16	3	0
	1730	619	998.6	931.3	-0.4	25.8	23.5	22.4	27.3	82	+ 3	7.3	+0.2	8.3	0	0	30	01	1	0	0	0	4	18	6	1
BETUL	0830	653	1002.9	931.0	-0.7	22.7	21.8	21.4	25.3	92	+ 1	7.7	+0.0	6.6	0	0	31	00	0	0	0	1	0	15	15	0
	1730	653	999.5	928.3	-0.4	24.8	22.8	21.9	26.3	85	+ 4	7.7	+0.1	6.8	0	0	31	04	0	0	0	3	3	10	11	0
KHANDWA	0830	318	1002.8	967.3	-0.4	24.6	22.8	21.9	26.3	85	+ 1	7.3	+0.6	4.5	0	0	31	00	0	0	0	3	18	9	1	0
	1730	318	999.6	964.6	-0.3	27.7	24.0	22.3	26.9	73	+ 0	6.8	-0.1	5.0	0	0	31	01	0	0	0	2	16	9	3	0
MADHYA PRADESH, EAST																										
SATNA	0530	317	998.6	963.4	..	24.6	24.0	23.7	29.3	94	..	7.4	..	4.6	0	1	28	02	1	1	0	1	7	14	3	2
	0830	317	999.9	964.7	-0.9	25.5	24.4	23.9	29.7	91	+ 6	7.3	+0.8	3.6	0	0	30	00	0	3	0	0	2	24	1	1
	1130	317	1000.0	964.8	..	26.9	25.0	24.1	30.0	85	..	7.2	..	5.3	0	1	30	01	1	3	0	1	3	16	6	0
	1430	317	998.0	963.0	..	27.5	25.4	24.4	30.7	84	..	6.8	..	4.5	0	0	31	02	1	3	1	0	6	15	3	0
	1730	317	997.0	962.0	-1.0	27.0	25.3	24.5	30.7	86	+ 7	6.5	-0.1	3.2	0	0	27	01	0	3	1	1	1	20	0	4
	2330	317	999.9	964.7	..	25.2	24.4	24.0	29.8	93	..	4.6	..	2.8	0	0	23	01	1	2	0	3	3	11	2	8
REWA	0830	299	999.3	966.1	..	26.3	24.8	24.1	30.0	88	..	7.3	..	4.6	0	0	31	03	2	3	0	0	5	13	5	0
	1730	299	996.6	963.7	..	27.8	25.5	24.4	30.7	82	..	7.1	..	4.1	0	0	29	01	1	3	1	0	3	15	5	2
SIDHI	0830	272H	999.0	968.8	-0.6	26.3	25.7	25.3	32.6	95	+10	6.9	+1.0	0.6	0	0	8	00	0	2	0	2	0	4	0	23
	1730	272	996.5	966.5	-0.3	27.4	26.4	26.0	33.6	89	+10	6.8	+1.2	1.1	0	0	14	01	0	3	0	1	0	9	0	17
UMARIA	0830	459	1000.7	950.0	-0.6	24.6	23.5	23.1	28.3	92	+ 7	7.8	+0.8	6.8	0	0	31	01	0	2	1	0	6	16	4	0
	1730	459	997.9	947.5	-0.4	25.8	24.1	23.2	28.6	85	+ 4	7.4	+0.1	5.2	0	0	31	03	0	1	2	0	10	11	4	0
JABALPUR	0530	393	999.8	956.2	..	23.9	23.4	23.2	28.3	96	..	7.9	..	3.4	0	0	21	00	1	0	0	0	3	17	0	10
	0830	393	1001.3	957.7	-0.6	24.7	23.8	23.3	28.6	92	+ 5	7.8	+0.6	4.7	0	0	27	00	0	0	0	0	8	19	0	4
	1130	393	1001.1	957.7	..	26.4	24.6	23.8	29.5	86	..	7.4	..	5.5	0	0	30	00	2	0	0	1	5	20	2	1
	1430	393	998.7	955.5	..	27.5	25.2	24.3	30.0	83	..	7.3	..	5.9	0	0	30	01	0	0	0	0	4	21	4	1
	1730	393	998.2	955.1	-0.4	26.7	25.0	24.2	30.4	87	+ 7	7.4	+0.1	5.2	0	0	31	02	0	0	1	2	9	14	3	0
	2030	393	1000.4	957.0	..	25.2	24.3	23.9	29.7	93	..	6.6	..	3.0	0	0	19	00	2	0	0	2	5	10	0	12
	2330	393	1000.9	957.3	..	24.7	24.0	23.7	29.1	94	..	7.1	..	3.4	0	0	22	01	0	0	0	2	11	8	0	9
AMBIKAPUR	0830	611	1000.5	933.7	-0.7	24.9	23.5	22.9	27.9	88	+ 0	7.7	+1.7	10.7	0	2	28	04	3	1	1	4	5	8	4	1
	1730	611	997.4	931.1	-0.8	26.1	23.9	23.0	28.1	84	+ 1	7.5	+1.7	12.4	0	5	26	07	1	2	2	1	7	5	6	0
JASHPURNAGAR	0830H	779	999.9	915.5	..	23.6	22.3	21.6	25.9	89	..	7.3	..	2.5	0	0	24	02	6	0	3	0	7	0	6	7

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST 1967 (SRAVANA 10 - BHADRA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gms. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																											
JASHPURNAGAR	1730	779	997.3	913.5	..	24.9	23.1	22.4	26.9	86	..	5.5	..	2.3	0	0	30	02	4	0	5	0	6	0	13	1	0
PENDRA	0530	625	999.3	930.8	..	23.0	22.3	21.9	26.3	94	..	7.5	..	7.0	0	2	23	08	0	0	1	6	4	2	4	6	0
	0830	625	1000.4	932.2	-1.1	24.3	23.0	22.4	27.3	89	+ 2	6.9	+1.5	8.3	0	2	23	05	1	0	2	4	3	3	7	6	0
	1130	625	999.8	932.0	..	26.3	23.8	22.7	27.6	81	..	7.0	..	10.1	0	4	24	06	1	1	1	4	3	6	6	3	0
	1430	625	997.7	930.1	..	26.4	23.9	22.9	27.9	81	..	6.7	..	10.1	0	2	27	07	1	0	0	6	2	6	7	2	0
	1730	625	997.8	929.9	-0.8	25.1	23.5	22.7	27.7	87	+ 2	7.1	-0.2	8.2	0	1	28	10	1	0	1	7	3	5	2	2	
	2330	625	1000.6	932.1	..	23.7	22.7	22.2	26.9	93	..	7.1	..	5.9	0	0	25	04	1	0	1	8	3	6	2	6	
MANDLA	0830	443	1001.1	952.2	-0.7	24.7	23.4	22.8	27.6	89	+ 1	7.2	+0.2	1.2	0	0	10	03	0	0	0	1	1	2	3	21	
	1730	443	998.2	949.6	-0.5	26.1	24.0	23.0	28.3	84	+ 2	7.4	+0.4	1.0	0	0	6	02	0	0	0	1	0	1	2	23	
CHAMPA	0830	245	1000.8	973.5	-0.8	25.7	24.5	23.9	29.7	90	+ 3	7.6	+0.3	6.0	0	1	28	01	0	2	0	0	2	22	2	[illegible]	
	1730	245	997.8	970.7	-0.6	27.5	25.1	24.1	29.8	82	+ 3	7.5	+0.0	7.5	0	0	30	01	1	0	0	2	5	18	3	1	[illegible]
RAIGARH	0830	220	1000.9	976.3	-0.5	26.1	24.7	24.0	30.0	88	+ 2	7.6	+0.4	4.0	0	0	31	00	3	1	2	1	17	[illegible]	[illegible]	0	[illegible]
	1730	220	997.6	973.2	-0.7	27.5	25.2	24.2	30.0	82	+ 4	7.7	+0.4	3.4	0	0	30	01	3	0	0	0	21	3	2	[illegible]	0
RAIPUR	0530	298	1000.1	966.8	..	24.5	23.6	23.3	28.3	93	..	7.6	..	5.7	0	0	28	00	0	0	0	2	14	9	3	3	0
	0830	298	1001.4	968.2	-0.7	25.4	24.2	23.6	29.3	90	+ 4	7.5	+0.5	6.1	0	0	30	01	0	0	0	1	11	17	0	1	0
	1130	298	1001.2	968.2	..	27.5	24.9	23.7	29.3	81	..	7.5	..	7.3	0	0	31	01	0	0	0	0	6	20	4	0	0
	1430	298	999.0	966.1	..	28.0	25.0	23.6	29.3	78	..	7.3	..	7.2	0	0	30	02	0	0	0	0	4	21	3	1	0
	1730	298	998.7	965.6	-0.5	27.0	24.6	23.5	28.9	82	+ 4	7.4	+0.6	6.3	0	0	28	00	0	0	0	0	8	15	5	3	0
	2030	298	1000.9	967.8	..	25.7	24.2	23.6	28.9	88	..	6.9	..	4.6	0	0	22	00	0	0	0	0	6	14	2	9	0
	2330	298	1001.5	968.2	..	25.1	24.1	23.6	29.1	92	..	7.1	..	5.9	0	0	26	00	0	0	0	3	10	13	0	5	0
KANKER	0830	402	1002.2	957.8	-0.7	25.0	23.6	22.9	27.9	88	+ 2	7.3	+0.4	4.3	0	0	30	00	0	0	0	0	27	3	0	1	0
	1730	402	999.4	955.3	-0.5	26.5	24.5	23.7	29.1	85	+ 6	7.5	+0.3	3.8	0	0	25	00	0	0	0	0	12	12	1	6	0
JAGDALPUR	0530	553	1001.6	940.6	..	22.7	21.7	21.2	25.2	91	..	7.0	..	3.7	0	0	13	00	0	0	0	0	6	7	0	18	0
	0830	553	1002.5	941.9	-0.6	24.4	22.5	21.5	25.8	85	- 1	6.8	+0.0	6.0	0	1	20	00	0	0	0	2	11	8	0	10	0
	1130	553	1002.1	941.7	..	25.8	22.9	21.7	25.8	79	..	7.1	..	10.5	0	1	29	00	0	0	0	1	17	10	2	1	0
	1430	553	1000.0	939.8	..	26.4	23.1	21.6	25.9	76	..	7.3	..	9.7	0	2	28	00	0	0	0	0	18	11	1	1	0
	1730	553	999.9	939.5	-0.4	25.4	22.8	21.7	25.8	81	+ 0	7.4	+0.3	7.4	0	1	24	00	0	0	0	1	14	10	0	6	0
	2030	553	1002.4	941.6	..	24.1	22.4	21.6	25.9	86	..	5.7	..	2.5	0	1	8	00	0	0	0	0	5	4	0	22	0
	2330	553	1002.9	942.0	..	23.4	22.1	21.5	25.6	89	..	6.1	..	3.2	0	0	12	00	0	0	0	2	3	7	0	19	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																											
DEESA	0830	136	1002.0	986.7	-0.2	25.8	24.6	24.1	30.0	90	+ 2	.	..	9.4	0	1	30	00	1	0	6	5	15	1	3	0	0
RADHANPUR	1730	136	998.9	983.7	-0.2	30.0	26.0	24.3	30.4	72	+ 3	.	..	10.5	0	0	31	00	0	0	9	1	16	0	5	0	0
	0830	30	1002.0	998.6	+0.0	27.0	25.4	24.7	31.1	84	- 5	.	..	4.5	0	0	31	01	0	0	0	1	27	2	0	0	0
	1730	30	999.5	996.2	+0.3	30.8	26.7	25.0	31.7	71	- 1	.	..	7.2	0	0	31	00	0	0	0	10	15	4	2	0	0
IDAR	0830	219	1002.6	978.0	-0.2	24.8	24.0	23.6	29.1	92	+ 0	8.0	+0.3	3.2	0	0	30	00	0	0	2	3	19	6	0	1	0
	1730	219	999.5	975.2	-0.1	28.5	25.2	23.7	29.3	76	+ 1	7.6	+0.3	2.9	0	0	29	00	0	1	2	3	18	5	0	2	0
AHMADABAD	0230	55	1001.5	995.2	..	25.9	24.6	24.0	30.0	89	..	6.5	..	11.5	0	0	31	00	0	0	0	3	19	9	0	0	0
	0530	55	1001.2	994.9	..	25.5	24.4	24.0	29.7	91	..	6.4	..	9.9	0	0	28	00	0	0	0	5	16	7	0	3	0
	0830	55	1002.5	996.2	-1.0	26.2	24.9	24.3	30.4	89	+ 5	7.0	+0.1	12.3	0	1	30	00	0	0	0	3	20	7	1	0	0
	1130	55	1002.8	996.6	..	28.7	25.6	24.2	30.4	77	..	6.9	..	13.0	0	1	30	00	0	0	0	1	13	16	1	0	0
	1430	55	1000.9	994.7	..	30.3	26.0	24.1	30.0	70	..	6.8	..	12.4	0	1	29	00	0	1	0	1	13	14	1	1	0
	1730	55	999.6	993.4	-0.7	29.8	25.8	24.1	30.0	72	+ 3	6.8	+0.3	13.3	0	5	26	00	0	0	0	7	10	12	2	0	0
	2030	55	1001.0	994.8	..	27.6	25.5	24.5	30.7	84	..	6.7	..	10.1	0	1	24	00	0	0	1	10	12	2	0	6	0
	2330	55	1002.2	995.9	..	26.8	25.1	24.4	30.4	87	..	6.7	..	10.2	0	0	31	00	0	0	0	5	21	4	1	0	0
DOHAD	0830	333	1002.7	965.5	-0.7	24.5	23.4	22.9	27.9	91	+ 2	7.2	+0.0	18.8	0	14	17	00	0	0	0	0	19	11	1	0	0
VALLABH VIDYANAGAR	1730	333	999.8	963.1	-0.7	27.3	24.7	23.6	29.1	80	+ 4	7.0	+0.9	17.1	0	12	19	00	0	0	0	1	18	10	2	0	0
	0830	44	1002.5	997.4	..	25.8	24.9	24.6	30.7	93	..	5.8	..	6.3	0	0	31	00	0	0	0	6	21	4	0	0	0
BARODA AERODROME	1730	44	1000.1	995.2	..	29.3	25.9	24.4	30.5	75	..	6.2	..	7.0	0	0	30	00	0	0	0	4	26	0	0	1	0
	0830	38	1003.2	998.9	-0.6	26.3	25.3	24.8	31.5	91	+ 2	6.8	-0.3	12.3	0	4	26	00	0	0	0	7	17	6	0	1	0
	1130	38	1003.2	998.9	..	28.5	25.6	24.4	30.4	79	..	7.0	..	12.0	0	4	26	00	0	0	0	4	10	15	1	1	0
	1730	38	1000.4	996.1	-0.4	28.7	25.6	24.2	30.4	78	+ 3	6.5	-0.2	16.9	0	11	20	00	0	0	0	6	19	5	1	0	0
BARODA	0530	34	1001.9	997.9	..	25.4	24.7	24.3	30.4	94	..	5.5	..	4.1	0	0	24	00	0	0	0	0	23	1	0	7	0
	0830	34	1003.3	999.3	-0.9	26.4	25.4	24.9	31.7	92	+ 3	6.6	+0.0	4.1	0	0	29	00	0	0	0	0	27	2	0	2	0
	1130	34	1003.4	999.5	..	29.0	26.0	24.7	31.1	78	..	6.9	..	6.5	0	0	30	00	0	0	0	0	22	4	4	1	0
	1730	34	1001.2	997.3	+0.3	28.9	25.8	24.4	30.7	78	+ 5	7.0	+0.8	5.6	0	0	29	00	0	0	0	1	22	3	3	2	0
	2330	34	1003.1	999.1	..	26.3	25.1	24.4	30.9	90	..	6.0	..	5.5	0	0	30	00	0	0	0	0	30	0	0	1	0
BRUACH	0830	17	..	..	..	..	..	..	..	..	..	7.3	+0.5	4.8	0	0	31	00	0	0	0	0	24	7	0	0	0
	1730	17	..	..	..	..	..	..	..	..	..	5.9	-0.3	6.5	0	0	31	00	0	0	0	0	29	2	0	0	0
SURAT	0530	12	1002.3	1001.0	..	26.0	24.7	24.1	30.0	90	..	6.3	..	7.7	0	0	31	00	0	0	0	0	31	0	0	0	0
	0830	12	1003.6	1002.3	-0.9	27.0	25.4	24.6	31.1	87	+ 1	7.2	-0.1	7.5	0	0	31	00	0	0	1	0	30	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — AUGUST 1967 (SRAVANA 10 - BHADRA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry bulb	Wet bulb	Dew point				Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																											
SURAT	1130	12	1004.2	1002.9	..	28.6	25.5	24.1	30.0	77	..	6.7	..	13.5	0	0	31	00	0	0	0	0	31	0	0	0	0
	1730	12	1001.8	1000.5	-0.3	28.5	25.4	24.0	30.0	76	- 3	6.5	-0.2	15.9	0	0	31	00	0	0	0	0	31	0	0	0	0
	2330	12	1004.0	1002.7	..	26.5	25.0	24.2	30.4	87	..	5.2	..	10.6	0	0	31	00	0	0	0	0	31	0	0	0	0
SAURASHTRA AND KUTCH (INCLUDING DI																											
NALIYA	0830	21	1000.5	998.1	-1.2	27.6	26.0	25.4	32.2	89	+ 4	6.8	+0.2	14.6	0	10	20	00	0	0	0	5	25	0	0	1	0
	1730	21	999.0	996.5	-1.0	28.8	26.3	25.3	32.2	81	+ 6	6.6	+0.0	14.2	0	5	26	00	0	0	0	3	26	2	0	0	0
BHUJ (RUDRAMATA)	0230	80	1001.1	991.0	..	26.1	25.6	25.4	32.2	96	..	4.5	..	20.1	0	0	31	00	0	0	0	0	28	3	0	0	0
	0530	80	999.8	990.7	..	25.8	25.4	25.2	32.1	97	..	5.3	..	20.4	0	1	30	00	0	0	0	0	28	3	0	0	0
	0830	80	1001.0	992.0	-1.5	26.9	26.1	25.7	33.2	93	+13	6.2	+0.2	15.0	0	3	27	00	0	0	0	1	23	6	0	1	0
	1130	80	1001.4	992.4	..	29.4	27.0	26.1	33.6	83	..	6.3	..	20.1	0	16	15	00	0	0	0	1	18	10	2	0	0
	1430	80	999.7	990.8	..	31.1	27.6	26.2	34.2	77	..	6.5	..	12.3	0	21	9	00	0	0	0	1	22	5	2	1	0
	1730	80	998.8	989.9	-1.2	30.4	27.4	26.3	34.4	81	+19	6.4	+0.7	24.0	0	23	8	00	0	0	0	0	24	7	0	0	0
	2030	80	1000.2	991.2	..	27.6	26.3	25.8	33.0	90	..	4.7	..	17.5	0	5	26	00	0	0	0	0	26	5	0	0	0
	2330	80	1001.3	992.2	..	26.7	26.0	25.7	33.0	94	..	4.0	..	16.0	0	2	29	00	0	0	0	0	26	5	0	0	0
KANDLA AERODROME	0830	35	1001.7	997.8	..	27.6	25.3	24.3	30.2	82	..	5.4	..	22.6	0	18	13	00	0	0	0	5	21	5	0	0	0
	1130	35	1002.0	998.1	..	29.7	25.6	23.7	29.3	71	..	5.8	..	26.8	0	27	4	00	0	0	0	3	26	2	0	0	0
	1730	35	999.6	995.7	..	30.3	25.4	23.1	28.3	66	..	5.0	..	32.5	0	31	0	00	0	0	0	1	28	2	0	0	0
NEW KANDLA	0830	14	1002.0	1000.4	-0.7	27.6	25.4	24.5	30.5	83	+ 0	6.9	-0.1	21.7	0	19	12	00	0	0	0	4	14	12	1	0	0
	1730	14	999.9	998.3	-0.5	30.1	25.9	24.0	30.0	70	+ 0	6.2	+0.0	31.8	0	0	31	00	0	0	0	2	20	9	0	0	0
MANDVI	0830	9	1001.7	1000.6	-0.9	27.8	25.9	25.1	31.9	85	- 4	6.1	-0.6	15.6	0	26	5	00	0	0	0	1	22	8	0	0	0
	1730	9	999.8	998.7	-0.8	28.6	26.4	25.5	32.6	83	- 2	6.2	+0.0	16.9	0	0	31	00	0	0	0	0	24	7	0	0	0
SURENDRANAGAR	0830	74	1002.4	994.1	-0.4	27.1	24.9	23.9	29.7	83	- 3	6.3	-0.4	13.0	0	4	26	00	0	0	2	7	11	8	2	1	0
	1730	74	999.4	991.2	-0.3	30.5	25.5	23.0	28.6	65	- 3	7.3	+0.6	14.0	0	7	24	00	0	0	0	3	9	17	2	0	0
JIKHA	0530	7	1000.6	999.8	..	26.8	25.3	24.6	31.1	88	..	5.7	..	19.0	0	13	18	00	0	0	0	1	26	4	0	0	0
	0830	7	1001.9	1001.1	..	27.5	25.6	24.8	31.3	85	..	6.5	..	21.3	0	22	9	00	0	0	0	1	24	6	0	0	0
	1130	7	1002.6	1001.8	..	28.9	26.0	24.7	31.1	78	..	6.0	..	24.5	0	25	6	00	0	0	0	0	24	5	2	0	0
	1730	7	1000.3	999.5	..	28.7	25.9	24.6	31.1	79	..	6.2	..	25.3	0	29	2	00	0	0	0	0	23	7	1	0	0
	2330	7	1002.3	1001.5	..	27.2	25.4	24.6	30.9	86	..	4.6	..	18.5	0	13	18	00	0	0	0	1	27	3	0	0	0
JAMNAGAR AERODROME	0530	2	1000.4	998.2	..	25.3	24.4	24.0	29.7	93	..	5.1	..	13.0	0	5	24	00	0	0	0	0	13	16	0	2	0
	0830	2	1001.7	999.5	-1.5	26.6	25.2	24.6	30.9	89	+ 7	5.8	-0.4	17.1	0	9	22	00	0	0	0	2	18	11	0	0	0
	1130	2	1002.2	1000.0	..	29.0	25.8	24.4	30.5	77	..	6.4	..	26.5	0	24	7	00	0	0	0	0	9	21	1	0	0
	1730	2	999.8	997.6	-0.4	29.2	25.6	23.9	29.8	73	+ 1	6.5	+0.4	24.0	0	26	5	00	0	0	0	0	13	15	3	0	0
	2330	2	1002.0	999.8	..	26.0	24.6	24.0	29.8	89	..	4.9	..	16.4	0	5	25	00	0	0	0	0	12	18	0	1	0
DWARKA	0830	11	..	..	..	27.7	25.8	24.9	31.5	85	+ 0	7.2	+0.1	28.1	0	27	4	00	0	0	0	0	22	6	1	0	2
	1730	11	..	..	..	28.5	26.0	24.9	31.5	82	+ 0	7.1	+0.6	24.9	0	26	5	00	0	0	0	3	21	7	0	0	0
RAJKOT	0530	138	1001.1	985.5	..	24.1	23.6	23.3	28.6	95	..	5.2	..	16.5	0	12	19	00	0	0	0	7	21	3	0	0	0
	0830	138	1002.2	986.7	-1.3	25.8	24.8	24.3	30.5	91	+ 5	5.3	-1.0	21.3	0	23	8	00	0	0	0	6	19	6	0	0	0
	1130	138	1002.4	987.0	..	28.7	25.7	24.4	30.5	78	..	6.0	..	26.6	0	30	1	00	0	0	0	0	22	8	1	0	0
	1430	138	1000.6	985.3	..	29.9	26.2	24.6	31.1	74	..	6.2	..	25.9	0	27	2	00	0	0	0	0	20	7	2	2	0
	1730	138	999.8	984.6	-0.6	28.8	25.7	24.3	30.4	77	+12	5.7	-1.0	28.9	0	30	1	00	0	0	0	2	21	7	1	0	0
BHAVNAGAR AERODROME	0830	11	1002.9	1001.7	-1.4	27.0	24.7	23.7	29.3	82	+ 5	5.8	-0.6	17.2	0	11	20	00	0	0	0	3	24	4	0	0	0
	1130	11	1003.2	1002.0	..	29.7	25.2	23.2	28.3	68	..	6.4	..	23.5	0	24	7	00	0	0	0	0	16	14	1	0	0
	1730	11	1000.4	999.2	-0.9	29.4	25.4	23.5	29.1	71	+ 8	6.6	-0.1	24.7	0	21	9	00	0	0	0	10	16	4	0	1	0
PORBANDER AERODROME	0830	7	1002.6	1001.6	-0.8	27.3	25.6	24.9	31.5	87	- 5	6.7	-0.1	20.3	0	21	10	00	0	0	0	2	26	2	1	0	0
	1130	7	1003.1	1002.3	..	28.6	26.1	25.0	31.9	81	..	6.8	..	23.3	0	28	3	00	0	0	0	1	28	1	1	0	0
	1730	7	1000.9	1000.1	-0.7	28.2	25.9	24.9	31.9	83	- 4	6.3	-0.8	22.5	0	28	3	00	0	0	0	2	27	2	0	0	0
KESHOD	0830	51	1002.8	997.0	-0.2	26.6	25.0	24.3	30.4	87	- 1	6.7	+0.3	21.0	0	19	12	00	0	0	0	1	19	11	0	0	0
	1130	51	1003.4	997.6	..	28.2	25.1	23.8	29.3	77	..	6.8	..	25.7	0	26	5	00	1	0	0	1	18	11	0	0	0
	1730	51	1001.1	995.3	-1.0	27.9	25.0	23.7	29.3	78	+ 0	6.4	-0.1	28.9	0	30	1	00	0	0	0	0	18	13	0	0	0
MAHUVA	0830	9	1002.7	1001.6	..	25.8	24.8	24.4	30.5	91	..	7.5	..	2.6	0	0	26	00	0	0	0	0	10	16	0	5	0
	1730	9	1000.9	999.9	..	28.5	26.1	25.1	31.9	82	..	7.7	..	11.2	0	1	30	00	0	0	0	1	26	4	0	0	0
VERAVAL	0230	8	1002.0	1001.1	..	26.9	25.8	25.3	32.2	91	..	5.4	..	30.4	0	30	1	00	0	0	0	0	17	14	0	0	0
	0530	8	1001.6	1000.7	..	26.9	25.7	25.2	32.1	90	..	6.1	..	31.8	0	29	2	00	0	0	0	0	14	16	1	0	0
	0830	8	1003.0	1002.1	-1.5	27.4	25.9	25.3	30.2	88	- 1	6.6	-0.4	31.4	0	29	2	00	0	0	0	0	13	18	0	0	0
	1130	8	1003.7	1002.8	..	28.4	26.6	25.8	33.4	86	..	6.4	..	29.1	0	29	2	00	0	0	0	0	15	16	0	0	0
	1430	8	1002.4	1001.5	..	28.7	26.7	25.9	33.4	85	..	6.6	..	30.4	0	30	1	00	0	0	0	0	15	16	0	0	0
	1730	8	1001.6	1000.6	-1.0	28.0	26.4	25.8	33.0	88	- 1	6.5	+0.0	30.0	0	30	1	00	0	0	0	0	13	17	1	0	0
	2030	8	1002.6	1001.7	..	27.3	26.0	25.4	32.6	89	..	6.1	..	30.1	0	30	1	00	0	0	0	0	17	13	1	0	0
	2330	8	1003.4	1002.5	..	27.2	25.9	25.4	32.2	90	..	5.5	..	29.4	0	29	2	00	0	0	0	0	16	15	0	0	0
DIU	0830	15	1004.1	1002.4	..	27.2	25.3	24.5	30.7	85	..	6.2	..	18.3	0	14	17	00	0	0	0	0	12	16	3	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST ,1967(SRAVANA 10 - BHADRA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or at height of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 62 or more	20 to 61	1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
URASHTRA AND KUTCH(INCLUDING DIU) (CONTD.)																											
DIU	1730	15	1002.2	1000.5	..	27.5	25.4	24.5	30.7	84	..	6.4	..	23.1	0	23	8	00	0	0	0	0	15	15	1	0	0
NKAN(INCLUDING GOA)																											
DAHANU	0830	5	1004.1	1003.6	-0.7	27.3	25.2	24.3	30.4	84	- 5	.	..	20.5	0	15	14	00	0	0	0	0	12	17	0	0	0
	1730	5	1002.7	1002.2	-0.3	28.2	25.6	24.4	30.7	80	- 4	.	..	23.3	0	17	10	00	0	0	0	1	9	17	0	0	0
BOMBAY(SANTACRUZ)	0230	14	1004.1	1002.5	+0.0	26.3	24.8	24.2	30.2	88	+ 4	6.5	+0.0	21.1	0	20	11	00	0	0	0	0	18	11	2	0	0
	0530	14	1003.8	1002.2	..	26.1	24.7	24.1	30.0	89	..	6.3	..	19.9	0	16	14	00	0	0	0	0	17	14	0	0	0
	0830	14	1005.1	1003.5	-0.6	27.0	25.2	24.4	30.5	85	- 2	6.9	-0.5	19.2	0	16	15	00	0	0	0	0	12	18	1	0	0
	1130	14	1005.7	1004.8	..	28.2	25.8	24.8	31.3	82	..	7.2	..	24.2	0	27	4	00	0	0	0	0	17	13	1	0	0
	1430	14	1004.4	1002.8	..	28.0	25.6	24.6	30.9	82	..	7.0	..	23.5	0	24	7	00	0	0	0	0	16	14	1	0	0
	1730	14	1003.6	1002.0	-0.3	27.4	25.2	24.2	30.2	83	+ 1	7.2	-0.1	22.8	0	21	10	00	0	0	0	0	14	14	3	0	0
	2030	14	1004.9	1003.3	..	26.5	24.9	24.2	30.2	87	..	7.0	..	17.5	0	11	20	00	0	0	0	0	17	12	2	0	0
	2330	14	1005.6	1004.0	..	26.4	24.9	24.2	30.4	88	..	6.6	..	17.5	0	13	16	00	0	0	0	0	24	4	1	2	0
BOMBAY	0830	11	1005.3	1004.1	-0.6	27.1	25.1	24.2	30.2	85	+ 0	6.7	-0.2	17.0	0	12	19	00	0	0	0	2	14	13	2	0	0
	1130	11	1005.8	1004.6	..	28.8	26.0	24.8	31.3	79	..	6.7	..	17.0	0	8	23	00	0	0	0	0	15	14	1	0	1
	1730	11	1003.8	1002.6	-0.3	27.7	25.3	24.2	30.2	82	- 2	7.2	+0.4	17.5	0	8	23	00	0	0	0	0	13	15	2	0	1
ALIBAG	0830	7	1005.4	1004.6	-1.1	27.0	25.7	25.1	31.9	89	+ 2	6.9	-0.1	30.8	0	28	3	00	0	1	0	0	25	5	0	0	0
BHIRA	0830	496	1005.5	994.6	..	24.9	23.8	23.3	29.6	91	..	7.9	..	3.9	0	1	27	01	0	1	14	2	10	0	0	3	0
	1730	96	1003.5	992.7	..	26.0	24.2	23.4	28.8	85	..	7.9	..	2.1	0	0	19	00	1	0	1	2	11	0	4	12	0
HARNAI	0830	20	1006.2	1003.9	-0.2	26.9	24.8	23.9	29.7	84	- 5	7.9	+0.8	20.4	0	18	13	00	0	0	1	1	1	11	2	0	15
	1730	20	1004.7	1002.4	-0.1	27.2	25.1	24.1	30.0	84	- 2	7.9	+0.9	19.8	0	16	15	01	0	0	0	0	0	15	0	0	15
RATNAGIRI	0830	35	1005.6	1002.6	-0.4	26.9	25.2	24.5	30.7	87	- 2	7.6	+1.0	20.9	0	20	10	00	0	0	0	0	10	14	5	1	1
	1730	35	1005.1	1001.2	-0.1	27.3	25.4	24.5	30.7	85	- 1	7.2	+0.3	19.5	0	17	14	01	0	0	0	0	8	17	5	0	0
DEVGARH	0830	36	1007.0	1003.0	-0.3	26.5	25.2	24.6	31.1	89	- 2	7.1	+0.0	28.3	0	30	1	00	0	0	0	0	3	25	3	0	0
	1730	36	1005.4	1001.4	-0.1	27.3	25.7	25.0	31.7	87	+ 0	6.9	-0.1	28.0	0	27	4	00	0	0	0	0	1	25	5	0	0
VENGURLA	0230	9	1006.9	1005.9	..	26.1	24.8	24.3	30.4	90	..	6.9	..	5.5	0	0	27	00	0	0	0	0	11	16	0	4	0
	0530	9	1006.3	1005.3	..	25.9	24.6	24.1	30.0	90	..	7.2	..	7.7	0	0	28	00	0	0	0	0	10	18	0	3	0
	0830	9	1007.8	1006.8	-0.2	26.4	24.9	24.3	30.4	88	- 2	6.9	-0.2	4.8	0	0	27	00	0	0	0	1	9	16	1	4	0
	1130	9	1008.1	1007.1	..	28.0	25.7	24.7	31.1	83	..	6.7	..	5.9	0	0	31	00	0	0	0	0	10	20	1	0	0
	1730	9	1006.2	1005.2	+0.1	27.3	25.3	24.4	30.5	84	- 1	7.2	+0.0	6.4	0	0	31	00	0	0	0	0	11	19	1	0	0
	2330	9	1008.3	1007.3	..	26.2	24.8	24.2	30.2	89	..	6.9	..	5.3	0	0	25	00	0	0	0	0	10	15	0	6	0
PANJIM	0530	60	1005.8	999.1	..	25.7	24.1	23.4	28.8	87	..	7.0	..	20.5	0	18	13	00	0	0	0	0	17	14	0	0	0
	0830	60	1007.3	1000.5	..	26.4	24.5	23.7	29.3	85	..	7.2	..	19.7	0	18	13	00	0	0	0	0	20	11	0	0	0
	1130	60	1007.6	1000.9	..	27.9	25.3	24.2	30.0	81	..	7.0	..	17.1	0	14	16	00	0	0	0	0	22	8	0	1	0
	1430	60	1006.4	999.7	..	27.7	25.2	24.1	30.0	81	..	7.1	..	20.6	0	17	14	00	0	0	0	0	20	11	0	0	0
	1730	60	1005.5	998.7	..	27.4	24.9	23.8	29.3	81	..	7.1	..	19.1	0	15	16	00	0	0	0	0	24	7	0	0	0
	2030	60	1006.9	1000.1	..	26.2	24.4	23.5	29.1	85	..	6.9	..	17.5	0	12	17	00	0	0	0	0	16	12	1	2	0
	2330	60	1007.7	1000.9	..	26.0	24.4	23.7	29.3	87	..	7.2	..	19.2	0	20	11	00	0	0	0	0	19	11	1	0	0
MORMUGAO	0530	62	1005.7	998.8	..	26.3	24.5	23.8	29.3	86	..	7.3	..	26.9	0	26	5	00	0	0	0	0	17	14	0	0	0
	0830	62	1007.1	1000.2	-0.9	26.6	24.8	23.9	29.8	85	- 2	7.0	+1.1	24.0	0	23	8	00	0	0	0	0	18	13	0	0	0
	1130	62	1007.4	1000.5	..	27.5	25.3	24.3	30.4	83	..	7.0	..	24.3	0	23	8	00	0	0	0	1	18	12	0	0	0
	1730	62	1005.6	998.6	-0.3	27.1	25.0	24.1	30.0	84	- 2	7.2	+1.3	24.0	0	29	2	00	0	0	0	0	20	10	1	0	0
DABOLIM(NAVAL AIR STN.)	0530	52	1006.4	1000.5	..	25.7	24.3	23.7	29.3	88	..	7.1	..	29.5	0	27	4	00	0	0	0	0	0	21	10	0	0
	0830	52	1007.8	1002.0	..	26.5	24.7	23.8	29.7	85	..	6.7	..	28.9	0	27	4	00	0	0	0	0	0	21	10	0	0
	1130	52	1008.1	1002.3	..	27.8	25.3	24.2	30.0	81	..	6.2	..	29.7	0	29	2	00	0	0	0	0	0	20	11	0	0
	1730	52	1006.2	1000.4	..	27.3	25.0	23.9	29.7	82	..	6.8	..	29.6	0	28	3	00	0	0	0	0	0	18	13	0	0
	2330	52	1008.3	1002.4	..	26.2	24.6	23.9	29.7	87	..	7.1	..	27.1	0	21	10	01	0	0	0	0	0	20	10	0	0
ADHYA MAHARASHTRA																											
NANDURBAR	0830	206	1003.8	980.6	-0.2	25.0	23.5	22.8	27.6	88	- 1	.	..	12.2	0	6	22	00	1	0	0	0	17	1	9	3	0
	1730	206	1001.6	978.4	+0.2	26.7	23.8	22.4	27.3	78	- 1	.	..	13.1	0	6	25	00	0	0	0	0	19	1	11	0	0
JALGAON	0830	201	1003.5	980.8	-0.8	25.1	23.7	23.0	28.1	88	+ 1	6.8	+0.9	9.8	0	4	25	00	0	0	0	0	7	16	6	2	0
	1730	201	1000.4	978.0	-0.5	27.8	24.7	23.3	28.6	77	+ 7	7.1	+0.7	16.8	0	10	19	02	0	0	0	0	4	11	12	2	0
MALEGAON	0830	437	1003.8	955.4	-0.4	25.1	23.1	22.1	26.6	84	+ 7	4.7	-1.6	10.5	0	2	28	00	0	0	0	3	4	20	3	1	0
	1730	437	1001.3	953.3	+0.1	27.1	24.6	23.4	28.9	82	+17	5.6	-1.0	16.3	0	8	23	01	0	0	0	0	8	8	14	0	0
OZAR	0530	608	1003.2	935.9	..	21.7	20.7	20.2	23.7	92	..	6.6	..	16.7	0	14	12	00	0	0	0	0	6	19	1	5	0
	0830	608	1004.1	937.1	..	23.2	21.6	20.7	24.6	86	..	6.5	..	21.8	0	21	10	00	0	0	0	0	11	18	2	0	0
	1130	608	1003.9	937.4	..	25.6	22.4	20.8	24.7	75	..	6.8	..	27.7	0	26	5	00	0	0	0	0	11	18	2	0	0
	1430	608	1002.1	935.8	..	26.7	22.6	20.7	24.4	70	..	6.8	..	30.4	0	28	3	00	0	0	0	0	10	19	2	0	0
	1730	608	1001.9	935.3	..	24.7	21.8	20.5	24.1	78	..	6.9	..	30.9	0	29	2	00	0	0	0	0	9	21	1	0	0
AHMADNAGAR	0830	657	1004.6	932.4	-0.5	23.2	21.1	20.1	23.5	83	+ 3	6.5	+0.3	10.8	0	2	28	00	0	0	0	0	25	0	5	1	0
	1730	657	1001.1	930.1	-0.4	27.6	21.8	18.9	21.8	60	- 3	6.4	-0.2	17.7	0	13	18	00	0	0	0	0	20	0	11	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST 1967 (SRAVANA 10 - BHADRA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or in gpm. of nearest standard isobaric level	Mean pressure in mbs.: At station level	Mean pressure in mbs.: Departure from normal	Mean temperature in °C: Dry Bulb	Mean temperature in °C: Wet Bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 0	Wind Speed: 20 & above	Wind Speed: 1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD.)																											
POONA AERODROME	0230	593	1004.4	938.6	..	21.6	20.8	20.3	24.0	93	..	6.4	..	14.0	0	3	26	00	0	0	0	0	4	25	0	2	0
	0530	593	1003.9	938.1	..	21.4	20.6	20.2	23.7	93	..	6.4	..	12.0	0	3	25	00	0	0	0	0	3	24	1	3	0
	0830	593	1004.9	939.2	..	22.9	21.3	20.5	24.1	87	..	6.5	..	17.5	0	16	11	00	0	0	0	0	8	18	1	4	0
	1130	593	1004.7	939.6	..	25.5	22.1	20.4	24.1	75	..	6.6	..	28.2	0	29	2	00	0	0	0	0	8	23	0	0	0
	1730	593	1002.9	937.7	..	24.5	21.7	20.3	24.0	79	..	6.8	..	28.9	0	31	0	00	0	0	0	0	5	25	1	0	0
	2330	593	1005.6	939.8	..	21.8	20.9	20.4	24.1	92	..	6.9	..	15.6	0	7	21	00	0	0	0	0	4	24	0	3	0
POONA	0530	559	1004.3	942.3	..	22.1	20.6	19.9	23.2	88	..	7.2	..	7.7	0	2	21	00	0	0	0	0	0	23	0	8	0
	0830	559	1005.3	943.4	-0.5	23.3	21.3	20.3	23.8	83	-1	6.9	+0.0	9.5	0	0	27	00	0	0	0	0	1	25	1	4	0
	1130	559	1005.1	943.6	..	25.3	22.1	20.6	24.3	75	..	7.0	..	15.4	0	7	24	00	0	0	0	0	2	29	0	0	0
	1430	559	1003.7	942.4	..	25.7	22.1	20.4	24.0	73	..	7.1	..	15.4	0	5	26	00	0	0	0	0	0	30	1	0	0
	1730	559	1003.5	941.9	+0.0	24.3	21.6	20.3	23.8	79	-1	7.3	+0.4	13.8	0	4	26	00	0	0	0	0	1	29	0	1	0
	2030	559	1005.2	943.2	..	22.7	20.9	20.0	23.4	85	..	6.3	..	10.5	0	3	26	00	0	0	0	0	0	29	0	2	0
	2330	559	1005.9	943.8	..	22.4	20.8	20.0	23.4	86	..	6.5	..	7.9	0	2	24	00	0	0	0	0	0	26	0	5	0
JEUR	0830	521	1005.0	947.5	+0.0	24.5	22.0	20.8	24.7	80	-3	4.6	-0.9	14.0	0	5	26	05	0	0	0	4	5	12	5	0	0
	1730	521	1001.3	944.7	+0.0	28.5	22.7	19.8	23.2	61	-3	5.2	-0.8	31.7	0	31	0	08	0	0	0	1	1	9	12	0	0
BARAMATI	0830	551	1005.1	944.3	-0.2	24.0	21.3	20.0	23.2	79	-3	5.3	-1.1	12.3	0	6	24	00	0	0	0	3	11	14	2	1	0
	1730	551	1009.0	942.9	+1.1	24.8	21.9	19.3	22.7	64	-3	6.2	-0.7	16.6	0	10	21	00	0	0	0	2	10	17	2	0	0
SHOLAPUR	0530	479	1004.8	951.3	..	22.5	21.0	20.2	23.8	87	..	5.1	..	6.5	0	0	28	00	0	0	0	0	19	8	1	3	
	0830	479	1006.6	952.6	-0.3	24.6	22.0	20.8	24.6	88	+1	5.7	-0.2	5.9	0	0	30	00	0	0	0	0	27	3	0	1	
	1130	479	1004.5	952.2	..	28.7	22.8	20.1	23.5	60	..	6.6	..	13.4	0	7	24	00	0	0	0	0	12	16	3	0	
	1430	479	1002.2	950.1	..	30.1	23.0	19.7	22.9	55	..	7.0	..	13.3	0	6	24	00	0	0	0	0	14	14	2	1	
	1730	479	1001.4	949.3	+0.0	29.1	22.8	19.8	23.2	50	+0	6.8	+0.1	11.7	0	1	28	00	0	0	0	0	17	11	1	2	
	2330	479	1005.7	952.6	..	24.4	21.5	20.0	23.5	77	..	5.0	..	9.2	0	2	28	00	0	0	0	0	17	13	0	1	
MIRAJ	0830	554	1006.7	945.3	-0.2	22.9	21.3	20.5	24.1	86	-1	7.0	+0.2	..	.	..	..	00	0	0	0	0	0	16	0	15	
	1730	554	1004.4	943.6	+0.3	25.5	21.8	20.0	23.5	72	-2	7.1	+0.3	..	.	..	..	00	0	0	0	0	0	31	0	0	
KOLHAPUR	0530	570	1005.1	941.8	..	21.5	20.9	20.6	24.3	95	..	6.6	..	15.4	0	11	20	00	0	0	0	0	5	23	3	0	
	0830	570	1006.2	943.0	-0.5	22.3	21.4	21.0	24.7	92	+1	6.8	-0.3	11.5	0	1	30	00	0	0	0	0	7	19	5	0	
	1130	570	1006.1	943.3	..	24.5	22.4	21.4	25.6	83	..	6.4	..	15.0	0	4	27	00	0	0	0	0	12	14	5	0	
	1730	570	1004.2	941.5	+0.0	23.9	22.0	21.0	25.0	84	+1	6.7	-0.3	19.3	0	15	16	00	0	0	0	0	4	22	5	0	
	2330	570	1007.0	943.7	..	21.8	21.0	20.7	24.3	93	..	5.8	..	10.4	0	1	30	00	0	0	0	0	4	27	0	0	
MARATHWADA																											
AURANGABAD	0830	581	1004.9	940.6	-0.6	23.1	21.4	20.5	24.1	86	-1	6.8	-0.1	10.6	0	5	23	00	0	0	0	3	8	17	0	3	
	1730	581	1001.0	937.9	-0.3	27.1	22.3	19.9	23.4	66	-5	7.0	+0.0	24.8	0	24	7	01	0	0	0	0	7	21	2	0	
AURANGABAD (CHIKALTHAN)	0230	579	1003.4	939.2	..	21.9	20.3	19.4	22.7	86	..	6.3	..	14.3	0	6	24	00	0	0	0	0	2	25	3	1	
	0530	579	1003.5	939.0	..	21.5	20.1	19.4	22.5	88	..	6.4	..	13.5	0	4	28	00	0	0	0	0	2	24	3	2	
	0830	579	1004.3	940.3	-0.1	23.2	21.1	20.2	23.5	83	-2	6.7	-0.3	16.1	0	8	23	00	0	0	0	0	4	23	4	0	
	1130	579	1003.5	940.3	..	26.6	22.1	19.9	23.2	67	..	6.9	..	22.6	0	18	13	00	0	0	0	0	6	22	3	0	
	1430	579	1001.1	938.2	..	28.1	22.3	19.4	22.7	61	..	6.9	..	24.7	0	21	10	00	0	0	0	0	1	25	5	0	
	1730	579	1000.5	937.6	+0.0	27.1	21.9	19.3	22.4	64	-6	6.8	-0.2	22.6	0	19	12	00	0	0	0	0	2	25	4	0	
	2030	579	1003.3	939.6	..	24.5	21.1	19.5	22.5	74	..	6.1	..	19.3	0	12	19	01	0	0	0	0	1	24	5	0	
	2330	579	1004.6	940.4	..	22.8	20.5	19.4	22.4	81	..	6.4	..	16.7	0	7	24	00	0	0	0	0	2	26	3	0	
PARBHANI	0830	423	1004.6	957.8	-0.1	24.4	22.0	20.6	24.4	80	-2	6.8	-0.4	11.5	0	3	28	00	0	0	0	0	9	19	3	0	
	1730	423	1000.3	954.2	-0.3	29.3	22.9	19.4	22.7	56	-10	6.8	+0.2	15.1	0	9	22	01	1	0	0	0	2	20	7	0	
NANDER	0830	358	1004.6	964.6	..	28.1	22.7	21.6	25.6	81	..	5.7	..	7.1	0	0	31	00	0	0	0	0	15	8	8	0	
	1730	358	1001.2	961.8	..	28.9	23.8	21.3	25.3	64	..	6.0	..	7.7	0	0	30	00	0	0	0	0	12	6	12	1	
BIR	0830	519	1005.0	947.6	..	24.3	21.8	20.6	24.4	80	..	6.5	..	7.0	0	0	31	00	0	0	0	0	19	0	12	0	
	1730	519	1001.1	944.8	..	29.0	22.8	19.8	23.2	60	..	6.1	..	17.3	0	3	28	00	0	0	0	0	21	0	10	0	
VIDARBHA																											
GONDIA	0830	313	1001.8	966.9	-0.8	25.2	23.6	23.0	28.3	88	+2	7.2	+0.2	4.2	0	0	28	01	0	0	0	0	18	4	5	3	
	1730	313	999.1	964.5	-0.3	26.3	24.3	23.4	28.8	84	+5	7.2	+0.2	5.1	0	0	27	01	1	0	0	0	16	2	7	4	
NAGPUR (SONEGAON)	0230	310	1000.8	966.2	..	24.5	23.4	22.9	27.9	91	..	7.2	..	5.4	0	1	22	00	0	0	0	0	10	11	2	8	
	0530	310	1000.9	966.3	..	24.2	23.0	22.5	27.1	90	..	7.7	..	7.9	0	0	27	00	0	0	0	0	7	16	4	4	
	0830	310	1002.2	967.7	-0.5	25.8	23.6	22.4	27.3	82	-3	7.2	+0.2	12.3	0	4	26	00	0	0	0	0	5	16	9	1	
	1130	310	1001.8	967.6	..	28.2	24.2	22.3	26.9	73	..	7.4	..	15.5	0	10	21	01	0	0	0	0	6	13	11	0	
	1430	310	999.7	965.6	..	28.6	24.4	22.4	27.1	70	..	7.4	..	16.1	0	11	20	01	0	1	0	0	1	17	11	0	
	1730	310	999.0	964.8	-0.3	27.8	24.2	22.5	27.3	73	-1	7.3	+0.0	12.7	0	6	24	02	0	0	1	0	4	15	8	1	
	2030	310	1001.2	966.7	..	25.9	23.9	23.0	28.1	84	..	7.0	..	5.3	0	1	25	01	0	0	0	0	6	12	7	5	
	2330	310	1001.8	967.3	..	25.2	23.6	23.0	27.7	87	..	7.2	..	6.3	0	2	23	01	1	0	0	2	8	9	4	6	
AMRAOTI	0830	370	1002.9	961.7	-0.7	24.7	22.7	21.6	25.9	83	+0	7.2	+0.6	6.4	0	0	31	00	0	0	0	0	11	15	5	0	
	1730	370	999.6	959.0	-0.1	28.0	23.4	21.0	25.0	67	-2	6.6	-0.4	14.4	0	7	24	03	0	0	0	0	6	14	8	0	

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS— AUGUST ,1967(SRAVANA 10 - BHADRA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ... in gpm. of lowest standard isobaric level	Mean pressure in mbs.: At station level	Mean pressure in mbs.: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.): 62 or more	Wind Speed: 20 to 61	Wind Speed: 1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA(CONTD.)																											
AKOLA AERODROME	0530	309	1001.7	967.0	..	23.6	22.3	21.7	25.9	89	..	6.8	..	6.6	0	1	25	00	0	0	0	0	3	18	4	5	0
	0830	309	1002.7	968.3	..	25.1	22.8	21.6	25.9	81	..	6.6	..	6.6	0	6	24	01	0	0	0	1	8	14	5	2	0
	1130	309	1002.5	968.3	..	28.1	23.4	21.1	25.0	66	..	7.1	..	9.8	0	1	30	00	0	0	0	1	5	14	11	0	0
	1430	309	1000.2	966.3	..	29.5	23.6	20.6	24.4	60	..	7.2	..	10.8	0	2	28	00	0	0	0	0	2	15	13	1	0
	1730	309	999.3	965.3	..	28.9	23.6	20.9	24.7	63	..	7.0	..	9.5	0	1	28	01	0	0	0	1	3	12	12	2	0
	2030	309	1001.3	966.9	..	26.2	23.2	21.7	25.9	77	..	6.5	..	8.7	0	1	24	00	0	0	0	1	2	12	10	6	0
	2330	309	1002.4	967.8	..	24.9	22.8	21.8	25.9	83	..	6.6	..	6.4	0	0	25	00	0	0	0	0	4	15	6	6	0
AKOLA	0830	282	1003.1	971.6	-0.6	25.1	23.2	22.2	26.9	84	+ 2	6.6	+0.7	2.9	0	1	27	00	0	0	1	0	16	10	1	3	0
	1730	282	999.5	968.5	-0.4	29.3	24.2	21.6	25.9	65	- 2	7.1	+1.2	3.2	0	0	28	00	1	0	0	1	6	12	8	3	0
BRAHMAPURI	0830	229	1002.7	977.0	-0.3	25.3	23.8	23.1	28.3	88	- 1	7.5	+0.4	6.0	0	0	31	01	0	0	0	3	11	12	4	0	0
	1730	229	999.7	974.3	+0.0	27.5	24.6	23.3	28.6	79	- 1	7.2	+0.3	7.2	0	0	29	01	0	2	0	3	13	7	3	2	0
BULDANA	0830	650	1003.3	931.7	-0.5	22.8	21.3	20.2	23.8	86	- 2	7.2	+0.5	13.3	0	2	29	00	0	0	0	0	16	7	8	0	0
	1730	650	1000.1	928.4	-0.8	25.6	22.6	21.2	25.2	78	+ 0	7.3	+0.4	7.3	0	1	29	00	0	0	0	0	5	0	25	1	0
YEOTMAL	0830	451	1003.0	955.0	-0.3	24.3	22.3	21.2	25.3	83	- 4	6.8	+0.1	15.0	0	7	24	00	0	0	0	0	5	22	4	0	0
	1730	451	999.1	949.8	-0.7	27.4	23.4	21.4	25.5	71	- 4	6.9	+0.0	13.7	0	5	26	00	0	0	0	0	7	20	4	0	0
CHANDRAPUR	0830	193	1002.9	981.2	-0.8	25.7	23.8	22.9	27.9	85	+ 2	6.8	+0.3	10.3	0	1	29	00	0	0	0	0	6	15	9	1	0
	1730	193	999.5	978.1	-0.6	28.9	24.7	22.8	27.6	71	- 3	7.0	+0.3	10.7	0	4	27	02	0	0	1	2	4	15	7	0	0
PUSAD	0830	334	1004.6	967.3	..	24.9	23.0	21.8	26.6	83	..	4.8	..	2.3	0	0	24	00	0	0	0	0	19	1	4	7	0
	1730	334	1000.5	963.9	..	29.8	24.6	22.3	26.9	67	..	5.2	..	1.0	0	0	13	00	0	1	0	0	6	0	6	18	0
SIRONCHA	0830	123	1004.1	990.2	+0.0	25.9	24.3	23.6	29.1	87	+ 0	6.9	+0.1	1.5	0	0	21	01	0	0	0	0	5	3	12	10	0
	1730	123	1000.6	986.9	+0.0	29.7	25.3	23.3	28.6	70	- 5	6.8	-0.2	1.4	0	0	22	00	0	0	0	0	4	5	13	9	0
WARDHA	0830	283	1002.6	971.0	..	25.1	23.2	22.2	26.9	84	..	6.2	..	8.0	0	0	31	01	0	0	0	1	12	12	5	0	0
	1730	283	999.8	968.5	..	28.6	24.1	22.0	26.3	69	..	7.0	..	7.8	0	0	31	04	0	0	0	1	5	11	10	0	0
BHANDARA	0830		..	..	..	25.3	23.8	23.0	28.3	88	..	.	..	3.2	0	0	30	01	0	0	0	0	20	7	2	1	0
	1730		..	..	..	27.3	24.3	23.3	27.9	79	..	.	..	3.3	0	0	27	00	2	0	0	0	17	1	3	4	4
COASTAL ANDHRA PRADESH																											
KALINGAPATAM	0830	6	1002.1	1001.4	-1.0	28.1	26.2	25.4	32.4	85	+ 2	5.6	-0.6	13.0	0	5	25	02	0	0	0	10	13	2	1	0	2
	1730	6	998.6	998.7	-0.5	27.9	26.0	25.2	32.1	86	+ 5	6.2	-0.6	13.3	0	4	26	01	0	0	0	13	15	0	0	0	1
VISHAKHAPATNAM	0230	3	1001.2	1000.8	..	26.9	25.3	24.6	30.9	87	..	5.8	..	10.4	0	4	24	00	0	0	0	0	14	13	1	3	0
	0530	3	1001.4	1001.0	..	26.7	25.1	24.3	30.4	89	..	6.9	..	13.3	0	10	18	00	0	0	1	0	12	14	1	3	0
	0830	3	1002.7	1002.3	+0.6	28.4	25.6	24.4	30.5	79	- 3	6.3	-0.1	14.0	0	9	21	00	0	0	0	1	15	13	1	1	0
	1130	3	1002.2	1001.8	..	30.9	26.5	24.9	31.5	71	..	6.3	..	18.0	0	17	13	00	0	0	0	2	15	11	2	1	0
	1430	3	999.8	999.4	..	31.7	27.0	25.0	31.7	69	..	5.7	..	18.6	0	17	14	00	0	0	0	3	19	8	1	0	0
	1730	3	999.9	999.5	-0.5	29.4	26.3	25.1	31.9	75	- 8	6.0	+0.4	14.6	0	7	24	01	1	2	0	0	15	9	3	0	0
	2030	3	1001.9	.0	..	28.1	25.4	24.6	30.9	82	..	5.5	..	8.3	0	2	29	00	0	0	0	1	10	11	3	6	0
	2330	3	1002.5	1002.1	..	27.4	25.5	24.6	30.8	85	..	5.9	..	8.0	0	2	21	00	0	0	0	0	15	7	1	8	0
KAKINADA	0830	8	1004.0	1003.1	-0.3	28.0	25.7	24.6	30.9	82	+ 1	5.9	+0.3	12.4	0	4	27	00	0	0	0	0	31	0	0	0	0
	1730	8	1000.9	1000.0	-0.3	28.7	26.4	25.1	31.8	77	+ 3	5.7	+0.0	12.5	0	2	29	00	0	0	0	0	31	0	0	0	0
NIDADAVOLE	0830	12	1004.4	1003.1	+0.3	26.9	25.1	24.1	30.0	85	+ 2	6.0	-1.2	5.1	0	2	28	00	0	0	0	1	9	18	2	1	0
	1730	12	1001.3	1000.4	+0.8	29.7	25.8	23.9	29.7	71	- 8	6.5	-0.5	4.8	0	16	15	00	0	0	0	1	7	22	1	0	0
RENTACHINTALA	0830	106	1005.0	993.1	-0.1	27.9	23.3	20.9	24.7	67	- 3	5.3	-1.3	2.9	0	0	30	00	0	0	0	0	0	30	0	1	0
	1730	106	1001.1	990.0	+0.7	32.6	24.1	19.7	22.9	48	- 7	5.3	-1.6	2.2	0	0	30	00	0	0	0	0	0	30	0	1	0
GANNAVARAM	0230	24	1002.7	1000.0	..	26.4	25.0	24.3	30.4	88	..	6.1	..	9.9	0	3	20	02	0	0	0	2	8	9	2	8	0
	0530	24	1003.1	1000.4	..	26.1	24.3	23.5	28.9	86	..	6.3	..	10.5	0	3	21	00	0	0	0	1	7	13	3	7	0
	0830	24	1004.7	1002.0	+0.1	27.4	24.2	22.7	27.6	77	- 2	6.1	-0.4	16.1	0	8	23	00	0	0	0	0	3	24	4	0	0
	1130	24	1004.2	1001.5	..	30.0	24.9	22.5	27.3	65	..	5.9	..	20.8	0	14	17	00	0	0	0	0	1	22	8	0	0
	1430	24	1001.8	999.1	..	33.2	25.2	22.4	27.1	61	..	6.5	..	19.0	0	11	20	00	0	0	0	0	0	23	8	0	0
	1730	24	1001.2	998.5	+0.1	30.7	25.3	22.8	27.7	64	- 5	6.6	-0.3	15.0	0	6	23	01	0	0	0	0	2	16	12	0	0
	2030	24	1003.2	1000.5	..	28.3	25.4	24.1	30.0	78	..	5.0	..	6.8	0	1	20	00	0	1	0	4	4	12	0	10	0
	2330	24	1003.8	1001.1	..	27.3	25.3	24.4	30.5	85	..	5.8	..	7.3	0	1	23	00	0	1	0	8	7	5	3	7	0
MASULIPATAM	0830	3	1004.7	1004.4	-0.2	27.4	24.6	23.2	28.4	78	- 2	7.0	+1.4	5.0	0	0	29	00	0	0	0	10	8	11	0	2	0
	1730	3	1001.4	1001.1	-0.3	30.9	25.4	23.2	28.4	63	- 6	6.7	+0.9	4.9	0	0	31	03	1	0	0	3	7	11	6	0	0
ONGOLE	0830	12	1005.2	1003.9	+0.1	29.9	24.4	21.8	26.1	61	-12	4.3	-1.5	5.0	0	0	31	00	0	0	0	0	0	25	6	0	0
	1730	12	1001.6	1000.3	+0.2	34.5	25.7	21.6	25.8	48	-17	4.4	-1.8	3.9	0	0	31	00	0	0	0	0	0	23	8	0	0
NELLORE	0530	20	1004.5	1002.3	..	27.1	24.5	23.3	28.6	80	..	7.0	..	4.9	0	1	22	00	0	0	0	1	5	12	5	8	0
	0830	20	1005.9	1003.7	+0.0	30.0	25.7	23.8	29.5	70	+ 4	6.7	+0.7	7.4	0	2	28	00	0	0	0	0	10	18	2	1	0
	1130	20	1005.2	1003.0	..	33.4	26.7	23.9	29.7	60	..	6.	..	13.1	0	3	28	01	0	0	0	0	11	8	11	0	0
	1430	20	1002.9	1000.7	..	35.1	27.5	24.2	30.2	54	..	6.3	..	10.4	0	1	30	00	0	0	0	0	10	9	12	0	0
	1730	20	1002.3	1000.1	+0.3	33.3	27.2	24.6	30.9	62	+ 8	6.9	+0.6	9.9	0	0	31	00	0	0	6	0	13	0	12	0	0
	2330	20	1005.2	1003.0	..	28.1	25.9	24.9	31.5	82	..	7.1	..	6.5	0	0	28	00	0	0	0	1	5	16	6	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST ,1967(SRAVANA 10 - BHADRA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TELANGANA																											
RAMGUNDAM	0830	156	1003.7	986.1	+0.0	26.2	23.9	[illegible]	27.7	83	+ 2	6.5	-0.4	3.3	0	0	24	01	0	0	0	0	2	21	0	7	0
	1730	156	1000.5	983.3	+0.3	30.0	25.3	23.0	28.0	67	- 2	6.3	-0.2	3.1	0	0	27	00	0	0	0	0	0	27	0	4	0
NIZAMABAD	0830	381	1004.5	962.1	-0.1	24.9	22.7	21.6	25.8	82	+ 2	6.4	+0.9	3.9	0	0	31	00	0	0	0	0	31	0	0	0	0
	1730	381	1000.3	958.5	-0.1	29.4	25.0	23.9	29.7	73	+ 3	6.0	+0.3	2.3	0	0	25	00	0	0	0	0	24	0	1	6	0
HANAMKONDA	0830	269	1004.3	974.4	-0.2	26.1	23.3	21.9	26.3	78	+ 0	7.7	+1.9	2.0	0	0	30	01	0	0	0	0	0	29	0	1	0
	1730	269	1002.1	972.6	+1.0	29.6	24.5	22.1	26.6	65	- 2	4.4	-1.6	2.0	0	0	31	04	0	0	0	0	9	3	15	0	0
HAKIMPET AERODROME	0530	613	1003.8	936.0	..	21.9	20.7	20.0	23.5	89	..	6.2	..	32.0	0	25	6	00	0	0	0	0	5	25	1	0	0
	0830	613	1004.8	937.0	..	23.3	21.4	20.5	24.1	84	..	6.6	..	34.0	0	30	1	00	0	0	0	0	5	23	3	0	0
	1130	613	1003.7	936.9	..	26.7	22.7	20.8	24.7	71	..	6.7	..	37.0	0	31	0	00	0	0	0	0	1	26	4	0	0
	1730	613	1001.2	934.8	..	28.0	22.8	20.7	24.0	68	..	6.5	..	29.4	0	23	8	01	0	0	0	0	2	22	6	0	0
	2330	613	1003.7	936.5	..	24.3	21.7	20.4	24.1	79	..	6.0	..	25.0	0	21	9	00	0	0	0	0	7	23	0	1	0
BHADRACHALLAM	0830	111	1003.7	991.2	-0.6	26.4	24.4	23.4	28.9	84	+ 0	6.5	-0.4	4.6	0	0	31	00	3	0	0	0	11	0	17	0	0
	1730	111	1000.6	988.3	-0.2	29.8	25.3	23.1	28.6	70	- 4	6.3	-1.1	4.2	0	0	31	00	1	0	1	0	4	1	24	0	0
HYDERABAD(BEGAMPET)	0230	545	1003.4	943.3	..	23.6	20.9	19.4	22.5	77	..	5.7	..	20.1	0	21	10	01	0	0	0	0	1	28	1	0	0
	0530	545	1003.9	943.6	..	22.6	20.6	19.5	22.7	83	..	5.9	..	18.1	0	19	12	00	0	0	0	0	2	26	3	0	0
	0830	545	1005.1	944.9	-0.3	23.8	22.2	19.8	23.0	79	- 3	6.8	+0.2	22.0	0	25	6	00	0	0	0	0	2	26	3	0	0
	1130	545	1004.1	944.7	..	27.4	22.2	19.5	22.7	63	..	6.9	..	27.0	0	30	1	01	0	0	0	0	0	22	8	0	0
	1730	545	1000.6	941.6	-0.1	28.6	22.5	19.6	22.8	60	-10	6.9	+0.2	18.1	0	14	17	02	1	0	0	0	5	18	5	0	0
	2330	545	1004.2	944.4	..	25.3	21.6	19.7	22.9	72	..	5.7	..	17.9	0	16	13	00	0	0	0	0	2	27	0	2	0
KHAMMAM	0830	112	1004.6	991.9	-0.2	26.8	24.3	23.3	28.6	82	+ 2	5.9	-0.3	3.6	0	0	19	03	0	0	0	0	0	10	6	12	0
	1730	112	1001.2	988.6	+0.1	30.1	25.0	23.4	28.8	67	- 3	6.0	-0.9	0.3	0	0	5	01	0	0	0	0	0	4	0	26	0
MAHBUBNAGAR	0830	505	1005.5	949.5	-0.2	24.7	21.5	20.3	23.8	79	- 4	6.4	-0.5	12.8	0	2	29	00	0	0	0	0	7	19	5	0	0
	1730	505	1001.8	946.2	-0.4	29.3	22.9	20.1	23.5	60	- 9	7.4	+0.1	3.7	0	0	30	00	0	0	0	0	8	17	5	1	0
RAYALASEEMA																											
KURNOOL	0830	281	1006.6	975.2	+0.2	26.0	22.4	20.6	24.3	72	- 3	6.0	-0.6	19.0	0	12	19	00	0	0	0	0	29	0	2	0	0
	1730	281	1001.9	970.9	+0.1	30.5	23.0	19.0	22.0	53	- 3	6.8	+0.0	21.8	0	21	10	00	0	0	0	0	24	4	0	0	3
NANDYAL	0830	212	1006.8	982.9	..	26.5	23.0	21.2	25.2	73	..	6.0	..	10.4	0	4	26	03	0	0	0	5	8	12	2	1	0
	1730	212	1001.7	979.0	..	31.9	23.8	19.6	22.8	50	..	6.1	..	14.3	0	10	21	04	0	0	0	1	2	7	17	0	0
ANANTAPUR	0530	350	1005.6	966.4	..	24.0	21.5	20.3	23.8	80	..	5.7	..	14.8	0	4	27	00	0	0	0	0	1	30	0	0	0
	0830	350	1006.8	967.8	+0.2	26.1	22.1	20.0	23.4	78	+ 4	5.8	-0.8	18.7	0	14	17	00	0	0	0	0	3	0	28	0	0
	1130	350	1005.7	967.3	..	29.5	22.9	19.5	22.5	55	..	6.3	..	22.5	0	19	12	00	0	0	0	0	1	27	3	0	0
	1430	350	1002.9	964.7	..	31.6	23.4	19.0	22.0	48	..	6.6	..	21.9	0	20	11	00	0	0	0	0	1	26	4	0	0
	1730	350	1002.4	964.2	+0.4	30.6	23.3	19.5	22.7	52	- 1	6.1	-0.8	22.8	0	19	12	00	0	0	0	0	1	28	2	0	0
	2030	350	1005.2	966.5	..	27.9	22.5	19.7	22.9	62	..	5.1	..	20.9	0	15	16	00	0	0	0	0	2	29	0	0	0
	2330	350	1006.6	967.7	..	25.8	22.1	20.1	23.5	71	..	4.1	..	23.5	0	23	8	00	0	0	0	0	1	30	0	0	0
CUDDAPAH	0830	130	1006.9	992.3	-0.1	28.1	23.5	21.2	25.2	67	- 1	5.3	-0.9	3.1	0	0	23	00	0	0	0	0	3	20	0	8	0
	1730	130	1002.2	987.9	+0.0	32.8	24.4	20.1	23.5	49	- 8	5.9	-0.4	4.0	0	0	25	00	0	0	0	0	7	18	0	6	0
AROGYAVARAM	0830	701	1006.8	930.1	+0.0	24.3	21.6	20.2	23.7	78	+ 7	6.0	-0.7	9.4	0	1	30	00	0	0	0	0	7	0	24	0	0
	1730	701	1002.8	927.0	+0.0	28.7	23.8	21.6	25.8	66	+11	6.6	-0.5	12.1	0	11	20	00	0	0	0	0	9	0	22	0	0
MADRAS STATE(INCLUDING PONDICHERRY)																											
MADRAS	0830	6	1006.9	1006.2	+0.5	27.4	24.5	23.1	28.3	78	+ 5	5.8	-0.3	5.7	0	0	27	00	0	0	0	0	11	15	1	4	0
	1730	6	1003.3	1002.6	..	29.9	25.9	24.1	30.0	72	..	6.6	..	7.6	0	1	28	01	0	2	6	11	7	1	1	2	0
MADRAS(MINAMBAKKAM)	0230	16	1005.2	1003.4	..	25.8	23.7	22.6	27.6	83	..	7.3	..	10.5	0	2	26	00	0	0	0	13	9	5	1	3	0
	0530	16	1005.3	1003.5	..	25.5	23.6	22.7	27.6	85	..	6.8	..	7.3	0	0	25	00	0	0	0	8	12	5	0	6	0
	0830	16	1006.8	1005.1	+0.2	27.6	24.2	22.6	27.4	75	+ 6	6.5	+0.4	9.2	0	0	31	00	0	0	0	7	10	14	0	0	0
	1130	16	1006.3	1004.6	..	30.8	24.9	22.0	26.6	60	..	5.9	..	18.2	0	12	19	00	0	0	0	0	11	19	1	0	0
	1430	16	1003.7	1002.0	..	33.0	25.7	22.4	26.9	54	..	6.0	..	11.7	0	2	29	00	0	0	0	3	13	14	1	0	0
	1730	16	1003.3	1001.6	+0.5	30.5	25.8	23.9	29.3	71	+ 7	6.8	+0.6	12.3	0	3	28	00	0	2	3	14	8	3	1	0	0
	2030	16	1005.7	1003.9	..	27.3	24.6	23.7	29.3	81	..	6.7	..	10.3	0	1	29	00	0	0	2	19	4	3	2	1	0
	2330	16	1006.5	1004.8	..	26.5	24.4	23.5	28.9	84	..	6.9	..	12.1	0	3	26	00	0	1	0	16	8	3	1	2	0
VELLORE	0530	214	1005.9	981.8	..	25.3	22.1	20.4	24.0	75	..	6.2	..	5.1	0	0	18	00	0	0	0	0	10	8	0	13	0
	0830	214	1007.2	983.3	+0.4	27.1	22.9	20.8	24.4	69	+ 0	5.9	+0.3	7.3	0	0	27	00	0	0	0	0	0	25	2	4	0
	1130	214	1006.3	982.7	..	30.8	23.9	20.4	24.1	54	..	6.0	..	10.0	0	1	30	00	0	0	0	0	9	22	0	0	0
	1730	214	1003.0	979.4	+0.7	31.1	24.0	20.3	24.1	54	+ 0	6.7	+0.3	6.3	0	0	26	04	1	0	1	1	9	9	1	5	0
	2330	214	1007.1	983.1	..	26.7	23.0	21.1	25.0	73	..	6.2	..	6.7	0	0	23	02	0	1	0	2	6	12	0	8	0
TAMBARAM AERODROME	0830	29	1006.5	1003.3	..	27.6	24.9	23.7	29.3	80	..	6.8	..	13.7	0	3	24	00	0	0	0	2	8	16	1	4	0
	1730	29	1003.6	1000.4	..	30.4	26.5	24.8	31.3	73	..	7.0	..	17.8	0	11	18	00	2	2	7	8	5	5	0	2	0
TIRUPPATTUR	0830	390	1008.5	965.1	+1.1	23.7	22.7	22.1	26.9	91	+16	7.9	+1.7	5.0	0	0	30	16	0	0	0	14	0	0	0	1	0
	1730	390	1005.4	962.3	+2.0	26.7	23.9	[illegible]	27.6	79	+25	8.0	+1.2	7.4	0	0	30	16	0	0	0	13	0	1	0	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST 1967 (SRAVANA 10 - BHADRA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of normal standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADRAS STATE (INCLUDING PONDICHERRY) (CONTD.																											
METTUR DAM R.S.	0830		..	..	..	26.6	23.7	22.3	26.9	77	..	5.6	..	3.3	0	0	31	00	1	0	7	0	16	0	5	0	0
	1730		..	..	..	30.7	27.8	26.6	34.8	79	..	7.5	..	5.0	0	0	31	00	7	0	3	0	11	0	10	0	0
CUDDALORE	0530	12	1005.8	1004.5	..	25.8	24.1	23.3	28.6	87	..	6.0	..	0.5	0	0	3	00	0	0	0	0	3	0	0	28	0
	0830	12	1007.4	1005.7	-0.2	27.7	24.8	23.5	28.9	78	+ 5	6.4	+0.6	5.9	0	0	29	00	0	0	3	0	25	1	0	2	0
	1130	12	1006.6	1005.3	..	31.9	26.0	23.3	28.6	61	..	5.8	..	8.3	0	0	30	00	0	0	0	1	22	4	3	1	0
	1430	12	1004.0	1002.7	..	33.6	26.8	23.9	29.7	58	..	6.3	..	9.5	0	1	29	00	0	0	10	2	13	3	2	1	0
	1730	12	1003.7	1002.4	+0.4	30.7	26.9	25.3	32.2	74	+ 8	5.5	-0.5	9.0	0	1	29	00	0	0	18	7	4	0	1	1	0
	2330	12	1007.2	1005.9	..	26.8	25.0	24.2	30.2	86	..	6.3	..	10.6	0	1	29	00	0	0	8	3	18	0	1	1	0
KALLAKKURICHCHI	0830	127	1006.8	992.8	+0.1	27.6	24.9	23.6	29.3	78	+ 7	5.7	+0.6	8.1	0	0	24	00	0	0	0	0	24	0	0	1	0
	1730	127	1002.8	988.3	-0.2	32.1	26.2	23.6	29.3	63	+11	6.5	+0.5	8.4	0	1	19	00	0	0	1	0	18	1	0	5	0
SALEM	0530	278	1006.5	975.3	..	23.9	21.9	20.9	24.7	83	..	6.9	..	5.4	0	0	22	00	0	0	0	0	11	11	0	9	0
	0830	278	1007.5	976.8	+0.1	25.3	22.6	21.3	25.3	78	- 1	6.9	+1.2	2.9	0	0	18	00	0	0	0	0	10	7	1	13	0
	1130	278	1007.2	976.4	..	29.3	23.6	20.7	24.4	60	..	6.4	..	5.5	0	0	30	00	0	0	0	2	13	12	0	1	3
	1730	278	1003.7	973.2	+0.5	29.8	23.5	20.2	23.8	58	+ 3	7.3	+0.6	6.0	0	1	22	00	0	0	1	2	12	6	1	8	1
	2330	278	1008.5	976.9	..	25.4	22.6	21.2	25.2	78	..	7.2	..	4.2	0	0	23	00	0	0	0	0	15	8	0	8	0
COIMBATORE (PILAMEDU)	0530	399	1007.4	962.6	..	22.0	21.7	21.5	25.6	97	..	5.3	..	21.0	0	20	11	00	0	0	0	12	19	0	0	0	0
	0830	399	1008.6	964.1	+0.4	24.2	22.8	22.1	26.6	88	+ 8	5.9	+0.0	22.2	0	22	8	00	0	0	0	12	16	2	0	1	0
	1130	399	1007.4	963.6	..	28.6	24.5	22.6	27.4	70	..	5.4	..	31.4	0	29	2	00	0	0	0	9	19	3	0	0	0
	1430	399	1005.1	961.5	..	29.3	24.7	22.6	27.4	68	..	5.9	..	35.2	0	31	0	00	0	0	0	7	22	2	0	0	0
	1730	399	1005.3	961.3	+0.8	26.9	23.7	22.2	26.7	76	+ 9	6.2	-0.1	31.2	0	31	0	00	0	0	0	8	20	3	0	0	0
	2030	399	1008.0	963.5	..	23.9	23.0	22.6	27.4	93	..	5.5	..	25.8	0	28	3	00	0	0	0	9	21	1	0	0	0
	2330	399	1009.0	964.3	..	22.9	22.4	22.2	26.7	96	..	5.7	..	24.0	0	23	8	00	0	0	0	10	20	1	0	0	0
COIMBATORE	0830	409	1007.9	962.7	+0.0	24.8	22.3	20.9	24.9	79	+ 2	5.2	-0.6	11.1	0	2	29	00	0	0	0	1	30	0	0	0	0
NAGAPATTINAM	0830	9	1008.0	1006.9	+0.3	28.1	24.2	22.3	26.9	71	+ 1	6.7	+1.2	9.7	0	1	28	00	0	0	0	0	13	15	1	2	0
	1730	9	1004.3	1003.2	+0.2	30.6	25.9	23.7	29.3	68	+ 1	6.5	+1.1	18.9	0	16	15	00	0	0	10	9	9	1	2	0	0
TIRUCHCHIRAPPALLI	0230	88	1006.1	996.2	..	26.7	22.7	20.5	24.1	70	..	6.5	..	22.2	0	20	10	00	0	0	0	1	4	24	1	1	0
	0630	88	1006.0	996.0	..	26.2	22.5	20.6	24.3	72	..	6.7	..	22.5	0	21	10	00	0	0	0	0	5	24	2	0	0
	0830	88	1007.4	997.5	-0.2	28.3	23.2	20.6	24.3	64	- 1	6.5	+0.8	15.8	0	29	2	00	0	0	0	0	6	24	1	0	0
	1130	88	1006.7	996.9	..	32.8	23.9	19.3	22.4	46	..	6.3	..	33.5	0	30	1	00	0	0	0	1	8	20	2	0	0
	1430	88	1003.7	994.1	..	34.9	24.4	18.9	21.8	40	..	6.0	..	29.4	0	23	8	00	0	0	2	3	6	15	5	0	0
	1730	88	1003.5	993.8	-0.3	32.2	23.8	19.3	22.4	48	+ 1	6.8	+0.6	13.9	0	18	13	00	0	0	2	11	4	13	1	0	0
	2030	88	1006.7	996.8	..	28.3	23.1	20.3	23.8	63	..	6.9	..	22.8	0	14	17	00	0	0	2	9	4	14	2	0	0
	2330	88	1007.7	997.8	..	27.2	22.9	20.7	24.4	69	..	6.7	..	20.1	0	18	12	00	1	0	1	3	7	17	1	1	0
VEDARANNIYAM	0830	4	1007.8	1007.3	..	29.1	25.1	23.1	28.6	71	..	5.0	..	2.5	0	0	29	00	0	0	0	5	21	3	0	2	0
	1730	4	1004.8	1004.3	..	30.1	25.8	23.9	30.4	70	..	4.9	..	3.9	0	0	31	00	0	0	3	10	17	1	0	0	0
ATIRAMPATTINAM	0830	6	1007.8	1007.1	..	29.5	24.4	22.0	26.4	65	..	4.6	..	5.6	0	0	28	03	0	0	0	3	5	9	8	3	0
	1730	6	1004.4	1003.7	..	29.7	26.0	24.3	30.7	71	..	4.6	..	19.0	0	18	13	00	0	0	1	18	12	0	0	0	0
MADURAI	0830	133	1008.4	993.5	+0.8	28.7	23.0	20.3	23.8	60	+ 0	5.1	-0.6	7.1	0	0	31	05	1	1	0	1	0	8	15	0	0
MADURAI AERODROME	0530	131	1006.2	991.4	..	26.1	22.1	19.9	23.2	69	..	5.1	..	9.7	0	2	23	06	0	0	0	0	3	7	9	6	0
	0830	131	1007.7	993.0	+0.0	28.8	23.1	20.2	23.7	60	+ 0	6.5	+0.9	10.9	0	4	21	02	0	1	1	4	1	8	8	6	0
	1130	131	1007.0	992.5	..	33.0	23.7	18.7	21.7	43	..	6.2	..	15.3	0	10	17	02	1	0	2	5	4	10	3	4	0
	1730	131	1004.2	989.7	+0.3	31.0	23.4	19.3	22.4	52	+ 1	7.0	+0.6	25.6	0	21	9	00	0	1	3	2	4	18	2	1	0
TONDI	0830	5	1008.3	1007.7	+0.3	29.0	24.5	22.3	26.9	67	- 7	4.5	-0.7	2.6	0	0	11	00	1	0	0	1	9	0	0	20	0
	1730	5	1004.9	1004.3	+0.4	30.1	25.7	23.7	29.3	70	- 9	4.8	-0.9	26.0	0	25	6	00	0	0	11	15	3	2	0	0	0
PAMBAN	0830	11	1007.9	1006.6	-0.2	28.4	25.8	24.7	31.1	80	+ 3	5.8	+2.0	16.3	0	8	23	00	1	0	1	5	17	6	1	0	0
	1730	11	1004.9	1003.6	+0.0	28.6	26.4	25.5	32.7	84	+ 4	6.0	+1.3	25.0	0	28	3	00	0	0	1	24	6	0	0	0	0
TUTICORIN	0830	4	1008.5	1008.1	+0.4	29.8	23.5	20.3	23.8	57	+ 0	3.9	+0.3	15.4	0	8	23	00	0	0	0	0	3	25	3	0	0
	1730	4	1005.1	1004.7	+0.4	32.1	24.5	20.6	24.3	52	- 1	5.2	+1.7	22.6	0	19	12	00	0	0	1	5	1	24	0	0	0
PALAYANKOTTAI	0830	51	1008.5	1002.8	+0.4	30.0	23.6	20.1	23.8	57	+ 1	5.5	+0.3	15.2	0	9	22	03	0	0	0	1	2	23	2	0	0
	1730	51	1005.4	999.7	+0.5	31.2	23.6	19.5	22.9	50	- 1	6.2	+0.1	18.3	0	16	15	00	0	0	0	1	1	24	5	0	0
KANNIYAKUMARI	0830	37	1009.2	1005.1	..	25.9	23.5	22.2	26.9	81	..	6.6	..	15.1	0	8	22	00	0	0	1	0	8	20	1	1	0
	1730	37	1006.8	1002.7	..	26.6	23.9	22.6	27.6	79	..	6.6	..	19.3	0	19	12	00	0	0	0	0	5	24	2	0	0
PONDICHERRY	0830		(R)																								
	1730		(R)																								
COASTAL MYSORE																											
KARWAR	0830	4	1008.4	1007.9	+0.2	26.8	24.9	23.9	29.7	84	- 5	8.0	+0.8	9.5	0	1	30	00	0	0	0	0	8	20	1	0	2
	1730	4	1006.5	1006.0	+0.2	27.6	25.2	24.2	30.2	82	- 4	8.0	+0.8	13.0	0	7	24	00	0	0	0	1	2	8	5	0	15

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – AUGUST, 1967 (SRAVANA 10 - BHADRA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs.: At station level	Mean pressure in mbs.: Departure from normal	Mean temperature in °C: Dry Bulb	Mean temperature in °C: Wet Bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 62 or more	Wind Speed: 20 to 61	Wind Speed: 1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL MYSORE (CONTD.)																											
HONAVAR	0830	26	1008.6	1005.6	-0.3	25.7	24.5	24.0	29.8	90	- 2	7.1	+0.2	5.9	0	0	30	00	0	2	0	3	2	22	1	1	0
	1730	26	1006.8	1003.9	+0.1	26.9	25.0	24.2	30.0	85	- 3	7.8	+0.9	6.7	0	0	30	00	0	0	0	5	1	21	3	1	0
MANGALORE(BAJPE)	0230	102	1007.8	996.2	..	23.9	23.5	23.2	28.6	95	..	7.1	..	6.7	0	3	13	02	0	2	1	0	2	6	3	15	0
	0530	102	1007.7	996.1	..	23.7	23.2	23.0	27.9	95	..	7.5	..	5.2	0	0	15	07	0	4	0	0	1	8	0	16	0
	0830	102	1009.2	997.6	+0.1	24.9	24.1	23.8	29.3	94	+ 1	7.3	+0.0	6.5	0	2	11	06	0	1	1	0	2	8	1	18	0
	1130	102	1009.2	997.8	..	27.0	25.1	24.4	30.4	85	..	7.2	..	16.5	0	10	20	00	0	0	0	2	6	20	2	1	0
	1430	102	1007.5	996.0	..	27.2	25.1	24.2	30.0	84	..	7.2	..	18.3	0	14	15	00	0	0	0	0	9	19	1	2	0
	1730	102	1007.0	995.5	+0.0	26.1	24.5	23.8	29.5	87	- 1	7.5	+0.2	15.3	0	8	20	01	0	0	0	0	3	20	4	3	0
	2030	102	1008.9	997.3	..	24.7	23.9	23.5	28.9	93	..	6.6	..	9.3	0	4	14	00	1	0	0	0	1	14	2	13	0
	2330	102	1009.6	998.0	..	24.5	23.9	23.6	29.1	95	..	7.2	..	6.1	0	0	16	00	0	1	1	0	1	12	1	15	0
MANGALORE	0830	22	1009.3	1006.8	+0.0	25.6	24.2	23.7	29.1	89	- 2	7.6	+0.5	3.5	0	0	31	00	0	5	4	1	5	11	4	0	1
	1730	22	1007.4	1004.9	+0.3	27.0	24.8	23.8	29.5	83	- 4	7.6	+0.5	5.5	0	0	31	01	1	0	1	0	8	12	7	0	1
INTERIOR MYSORE, NORTH																											
BIDAR	0830	664	1005.0	931.9	+0.0	22.8	20.7	19.6	22.8	82	- 4	6.7	+0.1	25.5	0	25	6	00	0	0	0	0	22	8	1	0	0
	1730	664	1000.3	928.4	-0.5	27.5	21.5	18.3	21.3	59	- 9	7.1	+0.2	23.2	0	23	8	00	0	0	0	0	12	18	1	0	0
GULBARGA	0830	458	1005.7	954.7	-0.4	23.8	21.7	20.7	24.4	83	+ 2	7.2	+1.0	11.3	0	0	31	00	0	0	0	0	9	22	0	0	0
	1730	458	1001.0	951.2	-0.1	29.6	23.4	20.4	24.3	60	+ 1	7.2	+0.5	12.0	0	0	31	00	0	0	0	0	1	30	0	0	0
BIJAPUR	0830	594	1006.2	940.5	-0.2	23.1	21.3	20.3	24.0	84	+ 4	7.0	+0.9	6.7	0	0	31	00	0	0	0	0	11	19	1	0	0
	1730	594	1001.7	937.5	-0.1	28.0	22.2	19.4	22.5	60	+ 0	7.7	+1.3	9.9	0	0	31	00	0	0	0	0	6	21	4	0	0
RAICHUR	0830	400	1006.1	961.7	-0.5	25.1	22.0	20.3	23.8	75	- 2	6.2	+0.7	12.3	0	0	31	00	1	0	0	0	21	5	4	0	0
	1730	400	1001.3	957.8	-0.4	30.5	22.8	18.3	21.6	51	- 4	6.6	+0.6	16.2	0	6	25	00	0	0	0	0	14	2	15	0	0
BELGAUM	0830	753	1007.9	925.0	+0.3	21.4	20.8	20.5	24.1	94	+ 2	7.8	+1.1	5.0	0	0	31	00	0	0	0	0	0	31	0	0	0
	1730	753	1004.9	922.6	-0.3	22.6	21.3	20.8	24.6	90	+ 3	7.8	+1.0	4.6	0	0	31	00	0	0	0	0	0	31	0	0	0
BELGAUM(SAMRA)	0530	747	1006.1	923.7	..	20.7	19.9	19.6	22.8	94	..	6.7	..	12.5	0	4	27	00	0	0	0	0	5	25	1	0	0
	0830	747	1007.1	924.9	-0.2	21.5	20.5	20.0	23.4	91	+ 0	7.3	+0.0	15.3	0	6	25	00	0	0	0	0	6	23	2	0	0
	1130	747	1006.8	925.1	..	23.4	21.4	20.4	24.0	83	..	7.2	..	19.1	0	17	14	00	0	0	0	0	3	26	2	0	0
	1430	747	1005.2	923.8	..	24.0	21.6	20.5	24.1	81	..	7.2	..	22.8	0	25	6	00	0	0	0	0	4	26	1	0	0
	1730	747	1005.0	923.3	+0.0	22.7	21.0	20.2	23.5	86	+ 1	7.0	-0.3	20.5	0	19	12	00	0	0	0	0	5	25	1	0	0
	2030	747	1007.1	924.8	..	21.3	20.3	19.8	22.7	91	..	6.1	..	14.5	0	5	26	00	0	0	0	0	4	26	1	0	0
GADAG	0530	650	1006.2	934.2	..	21.2	20.8	20.6	24.3	96	..	6.3	..	11.1	0	1	30	00	0	0	0	8	23	0	0	0	0
	0830	650	1007.0	935.4	-0.5	22.7	21.6	21.1	25.6	91	+ 7	7.1	+0.4	10.1	0	0	31	00	0	0	0	0	0	31	0	0	0
	1130	650	1006.3	935.4	..	26.2	23.1	21.7	25.9	76	..	7.1	..	15.3	0	7	24	00	0	0	0	0	6	25	0	0	0
	1430	650	1004.1	933.7	..	27.4	23.5	21.8	26.1	72	..	7.0	..	18.4	0	11	20	00	0	0	0	0	7	24	0	0	0
	1730	650	1004.2	933.5	+0.4	25.9	23.1	21.8	26.1	79	+ 9	6.8	+0.2	11.2	0	0	31	00	0	0	0	0	1	30	0	0	0
	2030	650	1006.9	935.3	..	22.8	21.7	21.1	25.0	90	..	4.4	..	12.1	0	3	28	00	0	0	0	0	5	26	0	0	0
	2330	650	1007.9	935.9	..	21.7	21.1	20.8	24.6	94	..	5.4	..	13.3	0	2	28	00	0	0	0	0	16	14	0	1	0
INTERIOR MYSORE, SOUTH																											
BELLARY	0830	449	1006.5	956.8	-0.1	25.9	23.4	22.3	26.6	81	+ 9	5.4	-0.6	10.8	0	2	29	00	0	0	0	0	5	15	11	0	0
	1730	449	1002.9	953.8	+0.5	29.2	24.5	22.3	26.9	67	+10	5.7	-0.5	11.5	0	2	29	00	0	0	0	0	5	11	15	0	0
CHITRADURGA	0830	733	1007.3	926.7	-0.3	21.9	20.2	19.4	22.4	86	+ 2	6.8	-0.3	11.9	0	1	30	00	0	0	0	0	5	26	0	0	0
	1730	733	1004.1	924.7	+0.4	25.6	21.1	18.8	21.8	0	..	5.7	-0.9	14.5	0	1	30	00	0	0	0	0	8	23	0	0	0
SHIMOGA	0830	571	1007.8	944.6	-0.3	23.1	21.3	20.3	24.0	85	- 2	7.3	+0.1	2.1	0	0	30	00	0	0	0	0	3	27	0	1	0
	1730	571	1005.4	942.8	+0.2	25.3	21.7	20.1	23.5	75	- 3	7.2	+0.3	3.3	0	0	30	00	0	0	0	0	5	25	0	1	0
AGUMBE	0830		..	..	..	21.1	20.7	20.5	24.1	99	..	.	..	13.0	0	4	27	00	0	0	0	0	29	1	1	0	0
BALEHONNUR	0830	890	..	..	..	20.4	19.8	19.5	22.7	94	+ 0	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HASSAN	0830	960	1487.9	904.0	+0.0	20.2	19.2	18.7	21.6	91	+ 6	7.5	+0.5	8.6	0	0	31	00	0	0	0	0	4	27	0	0	0
	1730	960	1475.5	902.1	+0.4	22.9	19.9	18.2	21.0	75	- 4	7.1	+0.1	4.8	0	0	31	00	0	0	0	0	8	18	5	0	0
BANGALORE	0230	921	1485.6	907.9	..	19.9	19.0	18.5	21.3	91	..	6.6	..	8.1	0	1	29	00	0	0	0	0	11	19	0	1	0
	0830	921	1493.4	908.5	+0.8	20.6	19.5	18.9	21.8	90	+ 4	7.3	-0.2	9.4	0	0	31	00	0	0	0	0	13	18	0	0	0
	1130	921	1500.3	908.5	..	24.4	20.6	18.7	21.4	71	..	7.1	..	12.5	0	2	29	00	0	0	0	0	12	17	2	0	0
	1430	921	1489.4	907.0	..	26.6	21.0	18.1	20.8	60	..	7.1	..	15.5	0	7	24	00	0	0	0	0	9	22	0	0	0
	1730	921	1480.6	906.3	+1.4	25.3	20.5	18.0	20.6	64	- 2	7.2	+0.1	12.3	0	1	30	00	0	0	0	0	11	20	0	0	0
	2030	921	1491.8	908.1	..	22.0	19.7	18.4	22.7	81	..	5.7	..	10.0	0	3	27	00	0	0	0	0	11	19	0	1	0
BANGALORE AERODROME	0530	897	1467.1	908.6	..	19.6	18.8	18.3	21.1	92	..	6.9	..	18.3	0	14	17	00	0	0	0	0	10	21	0	0	0
	0830	897	1483.0	910.1	-0.1	20.9	19.4	18.6	21.4	86	+ 1	7.3	+0.0	24.6	0	27	4	00	0	0	0	0	9	22	0	0	0
	1130	897	1469.0	909.9	..	24.6	20.5	18.4	20.9	69	..	7.0	..	28.3	0	29	2	00	0	0	0	0	9	22	0	0	0
	1730	897	1466.3	907.4	+0.1	25.4	20.4	17.9	20.2	65	- 1	6.9	-0.1	23.3	0	23	8	00	0	0	0	0	12	19	0	0	0
	2330	897	1485.3	910.3	..	20.8	19.2	18.3	21.0	86	..	5.9	..	20.7	0	22	9	00	0	0	0	0	12	19	0	0	0
MYSORE	0830	767	1009.0	924.5	+0.1	21.5	19.7	18.7	21.6	84	+ 0	3.6	-2.6	14.6	0	1	30	01	1	4	2	6	11	3	3	0	0
	1730	767	1005.7	922.4	+0.4	24.7	20.4	18.1	20.8	67	+ 0	6.3	-2.4	23.0	0	20	11	09	1	1	0	4	7	3	6	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST 1967 (SRAVANA 10 - BHADRA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or ht. in gpm. of mean standard isobaric level	At station level	Departure from normal	Dry bulb	Wet bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															42 or more	20 to 41	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KERALA																											
CALICUT	0530	5	1008.9	1008.3	..	24.0	23.5	23.3	28.6	96	..	7.3	..	2.3	0	0	13	02	1	6	0	1	1	1	1	18	0
	0830	5	1010.3	1009.7	+0.5	24.8	24.0	23.6	29.1	93	+ 1	6.8	+0.2	2.9	0	0	14	01	1	5	0	0	0	4	3	17	0
	1130	5	1010.4	1009.8	..	26.7	25.1	24.3	30.5	87	..	6.7	..	4.0	0	0	27	02	0	1	0	6	1	11	6	4	0
	1430	5	1009.1	1008.5	..	27.5	25.5	24.7	30.9	86	..	6.7	..	4.7	0	0	27	00	0	0	0	1	8	13	5	4	0
	1730	5	1008.2	1007.6	+0.6	26.4	24.6	23.7	29.5	85	- 1	7.1	+0.4	4.3	0	0	29	00	0	0	0	2	4	14	9	2	0
	2330	5	1010.6	1010.0	..	23.9	23.2	22.9	27.9	94	..	7.1	..	2.6	0	0	15	01	0	1	1	3	1	2	6	16	0
PALGHAT	0830	97	1010.1	999.0	+0.4	24.9	23.7	23.1	28.3	90	- 1	7.3	+0.4	9.1	0	0	31	00	0	0	0	0	0	31	0	0	0
	1730	97	1007.1	996.1	+0.2	26.3	24.0	22.9	27.9	83	+ 2	7.6	+0.9	8.5	0	0	31	00	0	0	0	0	0	31	0	0	0
FORT COCHIN	0830	3	1010.3	1010.0	+0.1	25.6	24.2	23.6	29.1	89	+ 1	7.6	+0.7	4.3	0	0	24	02	7	7	2	1	1	2	2	7	0
	1730	3	1008.3	1008.0	+0.6	26.0	24.3	23.6	28.9	87	+ 1	7.5	+0.5	7.5	0	0	30	03	2	1	2	0	5	5	12	1	0
COCHIN (NAVAL AIR STATION)	0230	3	1009.5	1009.2	..	23.9	23.3	23.0	28.1	95	..	7.5	..	3.3	0	0	11	02	1	1	0	1	1	2	3	20	0
	0530	3	1009.1	1008.8	..	23.7	23.2	23.0	27.9	95	..	7.3	..	2.6	0	0	12	00	3	3	2	0	0	3	1	19	0
	0830	3	1010.6	1010.3	..	24.8	23.8	23.3	28.6	91	..	7.3	..	3.8	0	1	13	03	2	3	2	0	1	1	2	17	0
	1130	3	1010.7	1010.4	..	27.1	24.7	23.5	29.1	81	..	7.2	..	7.2	0	0	23	00	0	1	0	0	5	8	9	8	0
	1730	3	1008.3	1008.1	..	26.5	24.4	23.3	28.9	83	..	7.4	..	10.3	0	1	26	03	0	0	0	0	4	10	10	4	0
	2330	3	1011.1	1010.8	..	24.4	23.6	23.2	28.4	93	..	7.3	..	2.1	0	0	8	00	0	1	1	1	0	1	4	23	0
ALLEPPEY	0830	4	1010.5	1010.1	+0.4	25.0	24.2	23.8	29.5	93	+ 2	6.8	+0.2	6.8	0	2	29	01	13	4	4	0	2	1	6	0	0
	1730	4	1008.8	1008.4	+1.2	26.7	24.9	24.1	30.0	86	+ 1	6.5	-0.2	19.2	0	16	15	00	0	0	0	0	0	7	24	0	0
PUNALUR	0830	34	1010.5	1006.6	+0.5	24.7	23.8	23.3	28.6	92	+ 0	7.6	+1.4	1.2	0	0	5	00	0	0	0	1	1	2	1	26	0
	1730	34	1007.8	1004.0	+0.5	27.6	24.6	23.2	28.4	78	+ 1	7.6	+1.2	7.0	0	0	26	02	1	0	0	0	8	10	5	5	0
TRIVANDRUM	0230	64	1009.0	1001.6	..	23.9	23.1	22.8	27.6	94	..	6.3	..	4.9	0	0	23	08	1	0	0	0	0	1	13	8	0
	0530	64	1008.9	1001.5	..	23.5	22.8	22.5	27.3	97	..	6.2	..	6.4	0	0	25	08	1	0	0	0	0	2	14	6	0
	0830	64	1010.3	1003.0	+0.2	24.8	23.5	22.9	27.9	89	+ 1	6.5	+0.4	5.9	0	0	27	13	1	0	0	0	0	1	12	4	0
	1130	64	1010.1	1002.9	..	27.6	24.5	23.0	28.3	77	..	6.7	..	13.3	0	5	26	06	0	0	0	0	0	4	21	0	0
	1430	64	1008.1	1000.9	..	28.0	24.4	22.7	27.6	73	..	6.1	..	16.0	0	11	20	03	0	0	0	0	0	5	23	0	0
	1730	64	1008.0	1000.7	+0.5	26.6	24.2	23.1	28.3	82	+ 4	6.5	+0.7	15.5	0	9	22	02	0	0	0	0	0	7	22	0	0
	2030	64	1010.1	1002.7	..	24.9	23.6	23.0	27.9	90	..	5.8	..	8.9	0	0	31	02	0	0	0	0	0	3	26	0	0
	2330	64	1010.8	1003.5	..	24.2	23.2	22.8	27.6	92	..	6.5	..	8.8	0	3	27	08	1	0	0	0	0	0	21	1	0
TRIVANDRUM AERODROME	0830	8	1010.7	1009.7	+0.5	25.6	23.7	22.7	27.6	85	+ 1	7.1	+0.8	16.8	0	12	18	15	1	0	0	0	0	0	14	1	0
ARABIAN SEA ISLANDS																											
AMINI	0530	4	1007.3	1006.9	..	27.4	25.2	24.3	30.2	84	..	6.7	..	31.7	0	30	1	00	0	0	0	0	3	24	4	0	0
	0830	4	1008.9	1008.5	-0.5	27.6	25.5	24.6	30.7	84	+ 0	6.6	+0.7	30.1	0	30	1	00	0	0	0	0	3	24	4	0	0
	1130	4	1009.2	1008.8	..	28.3	25.7	24.7	30.9	81	..	6.6	..	29.7	0	29	2	00	0	0	0	0	3	24	4	0	0
	1730	4	1006.9	1006.5	..	28.4	25.9	24.8	31.5	81	..	6.8	..	30.8	1	29	1	01	0	0	0	0	3	24	3	0	0
	2330	4	1009.3	1008.9	..	27.6	25.7	24.8	31.5	85	..	6.3	..	31.9	0	31	0	00	0	0	0	0	2	25	4	0	0
AGATTI	0830	4	1008.8	1008.4	..	27.5	25.3	24.2	30.4	82	..	6.4	..	34.2	1	29	1	00	0	0	0	0	1	23	7	0	0
	1730	4	1007.4	1006.9	..	27.9	25.6	24.5	30.9	82	..	6.7	..	22.5	0	23	8	00	0	0	0	0	3	25	3	0	0
ANDROTH	0830	5	1010.1	1009.6	..	27.1	25.3	24.6	30.4	86	..	7.3	..	4.6	0	1	28	01	0	0	0	0	5	6	15	2	2
	1730	5	1007.6	1007.1	..	27.6	25.6	24.7	31.1	83	..	7.9	..	2.7	0	0	30	00	0	0	0	0	3	0	22	1	5
MINICOY	0530	2	1008.8	1008.6	..	26.3	24.3	23.4	28.8	85	..	6.7	..	12.5	0	2	28	02	0	0	0	0	1	19	8	1	0
	0830	2	1010.5	1010.3	+0.1	27.1	24.6	23.5	28.9	81	+ 0	7.2	+0.9	12.0	0	3	26	00	0	0	0	0	0	17	12	2	0
	1130	2	1011.0	1010.8	..	27.9	25.2	24.0	29.7	80	..	7.1	..	12.6	0	4	26	00	0	0	0	0	0	14	16	1	0
	1430	2	1009.2	1009.0	..	28.4	25.5	24.3	30.4	79	..	6.8	..	13.7	0	7	23	01	0	0	0	0	0	15	14	1	0
	1730	2	1008.6	1008.4	+0.5	27.8	25.1	23.8	29.7	79	- 1	6.6	+0.1	12.9	0	5	25	01	0	0	0	0	1	14	14	1	0
	2030	2	1010.1	1009.9	..	26.8	24.7	23.7	29.3	83	..	5.8	..	13.0	0	1	30	00	0	0	0	0	0	15	16	0	0
	2330	2	1011.0	1010.8	..	26.8	24.6	23.6	29.1	83	..	6.2	..	13.9	0	5	25	00	0	0	0	0	1	15	14	1	0
HILL STATIONS (EXCLUDING KASHMIR)																											
DALHOUSIE	0830	1959	1372.3	794.4	-1.3	19.4	18.0	17.5	20.0	89	- 2	6.7	+2.8	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1959	1362.0	793.8	-0.7	21.1	19.4	18.5	21.3	86	- 1	6.4	+1.7	..	.	..	..	..	..	..	..	..	..	..	..	..	..
DHARMASALA	0830	1211	1472.0	876.0	-1.6	22.3	20.8	20.1	23.5	88	+ 3	6.5	+0.9	1.4	0	0	18	01	4	2	1	1	4	3	2	13	0
	1730	1211	1452.4	874.2	-1.8	23.9	22.1	21.3	25.3	86	+ 3	6.8	+1.2	1.7	0	0	23	02	2	0	2	1	8	4	4	8	0
DHUNTAR	0830	1094	1430.8	883.6	..	21.7	20.6	20.1	23.5	91	..	6.5	..	1.5	0	0	16	02	1	2	5	1	1	1	3	15	0
	1130	1096	1429.6	883.1	..	25.9	22.1	20.8	24.6	72	..	6.2	..	7.6	0	2	24	01	0	1	4	18	2	0	0	5	0
	1730	1096	1405.1	880.6	..	25.7	21.8	19.8	23.1	71	..	6.4	..	11.4	0	8	18	01	1	4	12	6	0	1	1	5	0
SIMLA	0830	2202	1434.0	777.6	-0.7	16.9	15.9	15.3	17.4	91	+ 2	7.0	+0.5	1.4	0	0	21	00	4	0	10	1	4	0	2	10	0
	1730	2202	1413.4	776.0	-1.0	17.4	17.0	16.6	18.9	93	+ 1	7.6	+0.5	1.8	0	0	28	01	3	0	10	2	9	0	3	3	0
GHANGARIA (KANJALIA TOK)	0830		..	..	..	9.1	8.9	8.9	11.4	98	+ 7	8.4	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BADRINATH	0830		(R)																								
JOSHIMATH	0830		..	..	..	18.7	17.8	17.3	19.7	91	+ 2	6.3	+0.0	4.0	0	0	31	01	1	10	1	0	2	14	2	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — AUGUST 1967 (SRAVANA 10 - BHADRA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HILL STATIONS (EXCLUDING KASHMIR)																											
JOSHIMATH	1730		..	..	..	20.7	18.6	15.0	17.0	83	+ 4	7.1	+0.3	3.7	0	0	31	00	0	2	2	1	12	13	1	0	0
MUSSOORIE	0830	2042	1429.3	791.7	-2.3	17.2	16.7	16.5	18.8	96	+ 2	7.9	+1.0	1.3	0	0	16	03	2	0	5	6	0	0	0	15	0
	1730	2042	1410.8	790.2	-2.4	17.5	17.3	17.1	19.5	97	- 1	7.9	+0.5	1.9	0	0	23	04	4	0	6	8	0	0	1	8	0
MUKTESWAR-KUMAUN	0830	2311	3100.1	768.9	-0.1	15.9	15.4	15.2	17.3	96	+ 4	7.3	+0.8	10.7	0	3	26	00	7	12	5	0	1	3	1	2	0
	1730	2311	3083.3	767.2	-0.2	16.7	16.1	15.5	17.6	94	+ 1	6.9	+0.2	9.3	0	4	24	00	3	9	2	2	7	4	1	3	0
NAINITAL	0830	1953	1429.7	799.9	-0.6	17.8	16.6	15.9	18.1	89	+ 2	3.7	-2.9	11.7	0	9	15	01	1	10	11	1	0	0	0	7	0
NAINITAL	1730	1953	1402.5	797.7	-0.8	18.3	17.0	16.3	18.5	88	+ 1	6.6	+0.0	9.9	0	3	28	01	0	11	11	2	1	5	0	0	0
KALIMPONG	0830	1209	1448.8	873.7	-0.9	25.3	22.8	21.7	25.9	81	- 6	5.9	+0.5	5.7	0	0	31	00	0	0	13	0	0	0	18	0	0
	1730	1209	1417.3	870.6	-1.6	25.7	23.2	22.1	26.6	80	-12	6.7	+1.4	5.9	0	0	31	00	0	0	31	0	0	0	0	0	0
DARJEELING	0830	2128	1460.6	787.2	-1.5	18.8	17.9	17.5	20.0	92	+ 5	7.0	+0.0	0.7	0	0	5	03	0	0	0	0	2	0	0	26	0
	1730	2128	1449.5	786.0	-0.6	17.6	17.0	16.7	19.0	94	+ 1	7.4	+0.2	1.3	0	0	9	01	0	0	1	0	6	0	0	22	1
KOHIMA	0830	1406	(R)																								
	1730	1406	(R)																								
SHILLONG (C.S.O.)	0830	1598	1443.1	835.3	+0.2	21.4	19.2	17.9	20.8	82	+ 3	6.0	-0.8	4.1	0	0	22	01	2	8	4	2	2	1	2	9	0
	1730	1598	1419.0	832.9	+0.5	21.0	19.2	18.2	21.0	82	+ 0	6.0	-1.2	2.5	0	0	19	01	0	6	4	2	2	2	2	12	0
CHERRAPUNJI	0830	1313	1441.3	862.8	-1.9	20.5	19.7	19.3	22.4	93	+ 2	6.7	-0.1	5.6	0	0	31	00	22	1	2	0	5	1	0	0	0
	1730	1313	1436.8	862.4	+0.1	20.8	20.0	19.5	22.7	93	+ 0	6.1	+0.2	5.8	0	0	31	00	17	0	0	1	13	0	0	0	0
ABU	0830	1195	1420.5	872.9	-1.7	19.3	19.2	19.2	22.2	99	+ 4	8.0	+0.9	0.4	0	0	3	00	0	0	0	2	1	0	0	28	0
	1730	1195	1418.9	872.4	-0.8	20.9	20.2	19.8	23.1	94	+ 5	7.3	+0.6	1.3	0	0	9	00	0	0	0	3	6	0	0	21	0
AIJAL	0830		(R)																								
	1730		(R)																								
PACHMARHI	0830	1075	1436.1	886.6	-1.1	20.0	19.6	19.1	22.5	96	+ 4	8.0	+0.6	6.1	0	0	31	00	0	0	0	0	0	16	15	0	0
	1730	1075	1418.8	884.5	-1.0	21.6	20.6	20.1	23.5	91	+ 3	7.5	+0.1	5.2	0	0	31	01	0	0	0	0	0	24	6	0	0
MAHABALESHWAR	0830	1382	1462.0	858.2	-0.9	17.2	17.2	17.2	19.6	0	..	8.0	+0.1	20.3	0	26	5	00	0	0	0	0	31	0	0	0	0
	1730	1382	1452.0	857.1	-0.5	17.5	17.5	17.5	20.0	0	..	8.0	+0.4	19.7	0	22	9	00	0	0	0	0	31	0	0	0	0
MERCARA	0830	1152	1486.1	884.1	+0.1	18.1	18.0	17.9	20.5	98	+ 2	.	..	15.0	0	9	22	00	0	0	0	0	0	24	0	0	7
	1730	1152	1474.9	882.8	+0.5	18.9	18.6	18.4	21.3	97	+ 2	7.9	+1.1	18.5	0	11	20	00	0	0	0	0	0	21	1	0	9
OOTACAMUND	0830	2249	1498.1	778.7	+0.8	13.3	12.2	11.4	13.6	88	- 3	5.8	-0.3	4.8	0	0	25	00	0	0	0	1	13	11	0	6	0
	1730	2249	1474.6	776.8	+0.4	14.4	13.3	12.6	14.5	88	+ 0	6.5	-0.5	4.6	0	0	25	00	0	0	0	0	6	8	1	6	0
COONOOR	0830	1747	..	..	..	19.2	15.1	12.5	14.5	66	- 5	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KODAIKANAL	0830	2343	3137.9	770.1	+0.2	14.1	11.8	10.1	12.3	78	- 2	6.8	+1.2	8.6	0	2	24	01	0	0	0	1	0	8	16	5	0
	1130	2343	3149.1	770.3	..	16.8	14.1	12.4	14.3	76	..	.	..	9.9	0	1	30	03	0	1	1	2	1	2	21	0	0
	1730	2343	3122.0	768.6	+0.3	14.0	13.0	12.4	14.3	91	+ 1	7.8	+0.5	10.8	0	6	23	02	0	0	0	2	1	7	17	2	0
NEPAL																											
KATMANDU	0830	1324	1441.3	861.7	-2.2	22.3	20.6	19.8	23.1	86	+ 3	6.5	+0.1	0.3	0	0	2	00	0	1	1	0	0	0	0	29	0
	1130	1324	1437.1	861.2	..	25.5	21.9	20.1	23.5	72	..	6.2	..	0.4	0	0	4	00	0	2	1	1	0	0	0	27	0
	1730	1324	1415.2	859.1	-2.2	23.4	21.5	20.6	24.3	85	+ 3	7.0	+0.4	1.3	0	0	11	05	0	1	3	0	1	0	1	20	0
SIKKIM																											
LACHEN	0830		(R)																								
HYDROMETEOROLOGICAL OBSERVATORIES DAMODAR CATCHMENT																											
TILAIYA	0830		..	..	..	26.4	24.8	24.1	30.0	87	..	7.3	..	12.2	0	2	29	02	1	12	4	0	0	10	2	0	0
	1730		..	..	..	27.7	25.2	24.1	30.0	81	..	7.3	..	9.8	0	0	30	00	1	11	5	1	0	9	3	1	0
HAZARIBAGH	0830	615	999.2	932.0	..	24.7	23.7	23.3	28.6	92	..	7.3	..	10.1	0	1	28	00	0	11	2	1	4	5	6	2	0
	1730	615	996.7	929.6	..	25.1	23.9	23.4	28.8	91	..	7.1	..	6.5	0	0	24	00	0	11	1	1	0	9	2	7	0
KONAR	0830		..	..	..	26.2	23.0	21.3	25.3	76	..	3.7	..	4.1	0	0	31	00	9	8	7	0	4	0	3	0	0
	1730		..	..	..	27.6	24.5	22.9	27.9	76	..	3.8	..	7.2	0	0	31	00	11	8	9	0	1	2	0	0	0
BOKARO	0830	242	998.6	971.8	..	27.5	25.7	25.0	31.7	87	..	5.9	..	5.2	0	0	24	01	1	6	4	1	2	5	4	7	0
	1730	242	996.2	969.5	..	28.1	26.0	25.2	32.1	85	..	5.3	..	4.2	0	0	25	00	1	8	5	1	4	3	3	6	0
MAITHON	0830		..	..	..	28.5	26.3	25.3	32.2	83	..	6.5	..	3.5	0	0	30	02	3	1	10	3	7	1	3	1	0
	1730		..	..	..	28.8	26.3	25.2	32.1	82	..	5.8	..	3.3	0	0	30	00	5	0	19	0	6	0	0	1	0
RAMGARH	0830		..	..	..	26.9	24.6	23.5	28.9	82	..	6.3	..	8.5	0	0	30	02	0	7	4	4	2	11	0	1	0
	1730		..	..	..	27.3	24.9	23.8	29.5	83	..	6.5	..	7.3	0	1	29	02	0	5	5	2	4	11	1	1	0
PANCHET HILLS	0830		..	..	..	27.7	26.2	25.6	32.8	89	..	7.0	..	2.8	0	0	27	00	10	0	9	0	4	0	4	4	0
	1730		..	..	..	28.2	26.5	25.8	33.2	87	..	7.0	..	1.8	0	0	20	00	2	0	12	0	4	0	2	11	0
DURGAPUR	0830		..	..	..	28.1	26.3	25.6	32.8	86	..	7.7	..	7.0	0	3	26	02	2	7	6	7	2	2	1	2	0
	1730		..	..	..	28.7	26.5	25.6	32.8	84	..	7.1	..	4.0	0	0	23	01	0	6	5	11	0	0	0	8	0
MAHANADI CATCHMENT																											
GINABAHAR	0830		..	..	..	25.6	24.2	23.6	29.1	89	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	1000.6	982.9	..	27.2	25.4	24.6	30.9	86	..	6.6	..	3.8	0	0	22	01	2	0	0	1	1	16	1	9	0
	1130	159	1000.2	982.5	..	28.4	26.1	25.1	31.9	82	..	6.7	..	4.2	0	0	26	02	0	0	1	0	5	16	2	5	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – AUGUST ,1967(SRAVANA 10 - BHADRA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or lat. in gen. of mean standard barometric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point				Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MAHANADI CATCHMENT (CONTD.)																												
HIRAKUD	1730	159	997.6	980.0	..	27.8	25.8	24.9	31.5	85	..	6.6	..	2.5	0	0	16	02	0	0	0	0	5	9	0	15	0
BHIMKUND	0830		..	..	..	26.5	24.6	23.7	29.3	85	..	7.2	..	1.3	0	0	10	00	0	0	0	0	6	0	4	21	0
	1730		..	..	..	27.4	24.9	23.7	29.3	81	..	7.5	..	0.6	0	0	7	00	0	0	1	0	4	0	2	24	0
SONEPUR	0830		..	..	..	27.1	25.1	24.1	30.0	85	..	8.0	..	9.8	0	0	30	00	0	4	0	0	0	27	0	0	0
KHIJRAWAN	0830		..	..	..	24.8	23.1	22.3	26.9	86	..	7.3	..	11.9	0	2	29	01	1	0	2	0	6	19	2	0	0
	1730		..	..	..	25.7	23.5	22.4	27.1	83	..	7.1	..	10.1	0	2	29	01	5	0	2	1	13	7	2	0	0
NARMADA CATCHMENT																												
BAGRA TAWA	0830		..	..	..	24.5	23.0	22.3	26.9	88	..	7.8	..	14.9	0	2	29	00	0	0	0	0	23	7	1	0	0
	1730		..	..	..	26.1	23.9	22.9	27.9	83	..	7.5	..	10.6	0	0	29	00	0	0	0	4	20	5	0	2	0
PUNASA	0830		..	..	..	24.9	23.1	22.2	26.7	85	..	.	..	7.1	0	1	29	00	0	0	1	0	27	2	0	1	0
	1730		..	..	..	27.9	24.8	23.4	28.6	77	..	.	..	4.9	0	0	30	00	0	0	0	0	30	0	0	1	0
THIKRI	0830		..	..	..	26.2	23.9	22.6	27.9	81	..	6.3	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																												
DAROI	0830		..	..	..	25.6	24.4	23.8	29.7	90	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	28.0	25.2	23.9	29.7	79	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GANDAK CATCHMENT																												
JAMOSOM	0830		..	..	..	17.7	14.4	12.6	14.6	73	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	18.7	14.4	11.9	14.0	65	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	0830		..	..	..	24.1	22.0	20.9	24.8	83	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	25.4	22.8	21.6	25.8	80	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830		..	..	..	20.0	18.4	17.6	20.2	86	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	21.5	19.3	18.2	20.9	82	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
POKHARA	0830		..	..	..	24.2	22.5	21.7	26.0	86	..	6.5	..	0.2	0	0	3	00	0	0	3	0	0	0	0	28	0
	1130		..	..	..	27.2	23.7	22.2	26.8	75	..	5.6	..	0.3	0	0	5	00	0	1	3	1	0	0	0	26	0
	1730		..	..	..	26.2	23.4	22.2	26.8	79	..	6.5	..	0.8	0	0	7	02	0	2	2	1	0	0	0	24	0
GORKHA	0830		..	..	..	22.6	21.9	21.6	25.7	94	..	7.3	..	..	.	..	..	02	2	1	1	3	1	1	0	20	0
	1130		..	..	..	24.9	22.5	21.5	25.6	82	..	6.4	..	..	.	..	..	02	3	2	8	6	5	2	0	3	0
	1730		..	..	..	24.8	22.6	21.6	25.8	82	..	7.0	..	..	.	..	..	05	4	2	1	5	6	3	0	5	0
NUWAKOT	0830		..	..	..	23.6	22.7	22.2	26.8	92	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	24.8	22.7	21.8	26.1	84	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT (TRANS HIMALAYAN REGION)																												
DAILEKH	0830		..	..	..	21.9	21.0	20.6	24.3	92	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	22.8	21.8	21.3	25.4	92	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT																												
SALLYANA	0830		..	..	..	22.8	20.9	19.9	23.3	84	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	21.9	20.4	19.7	23.0	88	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BUTWAL	0830		..	..	..	28.7	25.8	24.6	30.9	79	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	28.9	26.1	24.8	31.4	79	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BAGHMATI CATCHMENT																												
KATMANDU	0830		(R)																									
	1130		(R)																									
	1730		(R)																									
KOSI CATCHMENT																												
CHAUTARA	0830		..	..	..	21.5	20.5	20.0	23.4	92	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	22.1	20.8	20.2	23.7	90	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
WALUNGCHUNG GOLA	0830		..	..	..	14.1	12.3	11.1	13.2	82	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	12.5	12.0	11.7	13.8	95	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHOK	0830		..	..	..	23.4	21.0	19.7	23.0	80	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	21.4	20.2	19.6	22.8	89	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BHOJPUR	0830		..	..	..	21.7	19.9	19.0	22.0	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	20.5	19.7	19.3	22.4	93	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLEJUNG	0830		..	..	..	20.8	19.3	18.6	21.4	87	..	6.0	..	1.8	0	0	18	07	1	1	1	0	0	3	5	13	0
	1130		..	..	..	23.7	21.0	19.8	23.0	79	..	6.2	..	4.8	0	0	28	07	2	1	1	7	1	3	5	3	1
	1730		..	..	..	20.9	19.4	18.7	21.7	87	..	6.9	..	4.0	0	0	19	00	1	2	4	7	0	1	3	11	1
UKHALDHUNGA	0830		..	..	..	20.8	19.3	18.7	21.6	90	..	6.2	..	0.4	0	0	4	00	0	0	0	0	0	3	1	27	0
	1130		..	..	..	23.4	21.0	20.0	23.4	82	..	5.7	..	0.8	0	0	10	03	0	0	1	3	1	2	0	21	0
	1730		..	..	..	20.6	19.5	19.1	22.1	91	..	6.9	..	1.1	0	0	7	00	0	0	0	0	1	5	0	24	0
CHAINPUR	0830		..	..	..	23.1	21.5	20.8	24.6	87	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	23.4	21.5	20.7	24.4	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ANGRUNG	0830		..	..	..	25.9	23.7	22.7	27.8	83	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – AUGUST ,1967(SRAVANA 10 - BHADRA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lt. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point				Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KOSI CATCHMENT (CONTD.)																											
ANGBUNG..... (CONTD.)	1730		..	..	..	24.9	22.4	21.3	25.4	81	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
BARAHAKSHETRA.....	0830	146	1000.9	984.7	..	28.0	25.9	24.9	31.6	84	..	5.2	..	1.4	0	0	18	00	2	0	1	0	7	2	6	13	0
	1130	146	1000.3	984.2	..	29.6	26.5	25.3	32.2	78	..	6.0	..	3.9	0	0	26	00	0	4	0	1	9	11	1	5	0
	1730	146	997.8	981.6	..	28.6	26.6	25.7	33.1	85	..	5.8	..	1.0	0	0	12	00	0	1	0	0	9	1	1	19	0
TISTA CATCHMENT																											
GANGTOK.....	0830	1812	1445.5	815.0	..	19.8	18.5	17.9	20.5	89	..	6.7	..	1.5	0	0	14	07	3	0	1	2	0	1	0	17	0
	1130	1812	1439.1	814.7	..	22.2	20.2	19.3	22.4	84	..	6.7	..	3.7	0	0	26	03	0	0	1	10	10	1	1	5	0
	1730	1812	1422.7	812.9	..	20.3	19.2	18.7	21.6	91	..	7.8	..	1.9	0	0	16	02	2	2	0	6	3	1	0	15	0
GEZING.....	0830	1324	..	..	..	21.6	20.3	19.5	22.7	88	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

MONTHLY MEANS OF UPPER WINDS

During the month, observations of velocity and direction of upper winds were made at 55 stations in India. Out of these, at 39 stations all the observations were taken by means of pilot balloons and at 16 stations some observations were made by means of pilot balloons while the other observations by the radiowind method. In the case of Bangalore, the observations were taken by following radiosonde balloon by means of an optical theodolite. Particulars of these stations, their co-ordinates and the approximate times of the regular pilot balloon and rawin ascents at each station are given in the table overleaf. All radiowind ascents have been indicated by means of an asterisk (*) against the scheduled hours.

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

Data upto 9.0 km. above mean sea level are given under Table IV and data above 9.0 km. above mean sea level under Table V.

In Tables IV and V :

N = represents the number of observations;

S = represents the mean wind speed in metres per second irrespective of direction;

V = represents the resultant mean velocity in metres per second;

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

Meansand resultant winds are given in this publication for the following heights :-

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

** ** ** **

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS IN INDIA

S.No.	Station	Latitude	Longitude	Height of anemometer head a.m.s.l. in metres	Date of Opening **	Approximate times of flight (I. S. T.)			
		° ' N	° ' E						
1.	Agartala	23 53	91 15	17	28th Nov. 1951	0530		1730	2330
2.	Ahmadabad	23 04	72 38	61	19th May. 1928	0530*	1130	1730*	2330
3.	Allahabad/Bamhrauli	25 27	81 44	103	28th Feb. 1930	0530*	1130	1730*	2330
4.	Ambala	30 23	76 46	279	1st Apr. 1941	0530	1130	1730	2330
5.	Amini	11 07	72 44	14	15th May. 1965	0530		1730	2330
6.	Anantapur	14 41	77 37	365	12th Feb. 1946	0530		1730	2330
7.	Asansol	23 41	86 59	135	29th May. 1942	0530		1730	2330
8.	Aurangabad/Chikalthan	19 51	75 24	583	7th Oct. 1951	0530		1730	2330
9.	Bahraich	27 34	81 36	134	1st Oct. 1961	0530	1130	1730	
10.	Bangalore	12 58	77 35	936	19th May. 1915	0530@	1130	1730@	2330
11.	Bareilly	28 22	79 24	181	12th Jan. 1943	0530		1730	
12.	Begampet	17 27	78 28	543	1st Sep. 1929	0530		1730	2330
13.	Bhagalpur	25 14	86 57	61	19th May. 1950	0530		1730	
14.	Bhopal/Bairagarh	23 17	77 21	532	26th Feb. 1943	0530		1730	2330
15.	Bhubaneshwar	20 15	85 50	54	5th Dec. 1942	0530		1730	2330
16.	Bhuj/Rudramata	23 15	69 48	90	14th Sep. 1937	0530		1730	2330
17.	Bikaner	28 00	73 18	229	18th Oct. 1946	0530		1730	2330
18.	Bombay/Santacruz	19 07	72 51	27	14th May. 1933	0530*	1130	1730*	2330
19.	Calcutta/Dum Dum	22 39	88 27	13	14th May. 1921	0530*	1130	1730*	2330
20.	Cochin/Willingdon +	09 56	76 14	13	16th Mar. 1942	0530		1730	2330
21.	Dehra Dun	30 19	78 03	692	1st Oct. 1958	0530		1730	
22.	Dibrugarh/Mohanbari	27 29	95 01	112	1st Jun. 1948	0530	1130	1730	2330
23.	Gadag	15 25	75 38	650	3rd May. 1943	0530		1730	2330
24.	Gangtok	27 20	88 16	1764	1st May. 1963	0530		1730	
25.	Gauhati	26 05	91 43	55	12th Mar. 1955	0530*	1130	1730*	2330
26.	Gaya	24 45	84 57	119	19th Mar. 1937	0530		1730	2330
27.	Goa/Dabolim	15 23	73 49	228	Jul. 1965	0530		1730	2330
28.	Gopalpur	19 16	84 53	24	15th Feb. 1946	0530		1730	2330
29.	Gorakhpur	26 45	83 22	83	5th Jan. 1943	0530		1730	
30.	Gwalior	26 14	78 15	208	7th May. 1938	0530	1130	1730	2330
31.	Imphal/Tulihal	24 46	93 54	782	8th Mar. 1952	0530	1130	1730	2330
32.	Jabalpur	23 10	79 57	402	30th Jul. 1928	0530		1730	2330
33.	Jagdalpur	19 05	82 02	562	25th Mar. 1948	0530		1730	2330
34.	Jaipur/Sanganer	26 49	75 48	403	6th Jun. 1953	0530		1730	2330
35.	Jamshedpur	22 49	86 11	144	23rd Jul. 1942	0530		1730	
36.	Jharsuguda	21 55	84 05	240	1st May. 1944	0530		1730	2330
37.	Jodhpur	26 18	73 01	229	15th Oct. 1934	0530*	1130	1730*	2330
38.	Lucknow/Amausi	26 45	80 53	133	20th Nov. 1950	0530		1730	2330
39.	Madras/Minambakkam	13 00	80 11	29	8th Apr. 1926	0530*	1130	1730*	2330
40.	Mangalore/Bajpe	12 55	74 53	104	25th May. 1959	0530		1730	2330
41.	Minicoy	08 18	73 00	15	14th Apr. 1941	0530	1130	1730*	2330
42.	Nagpur/Sonegaon	21 06	79 03	316	23rd Apr. 1943	0530*	1130	1730*	2330
43.	New Delhi/Safdarjung	28 35	77 12	227	29th Oct. 1936	0530*	1130	1730*	2330
44.	Poona	18 32	73 51	593	5th Jan. 1925	0530		1730	2330
45.	Port Blair	11 40	92 43	95	29th Oct. 1945	0530*	1130	1730*	2330
46.	Raipur	21 14	81 39	308	15th Jul. 1944	0530		1730	2330

(Contd.)

S.No.	Station	Latitude	Longitude	Height of anemometer head a.m.s.l. in metres	Date of Opening **	Approximate times of flight (I. S. T.)			
		° ' N	° ' E						
47.	Raxaul	26 59	84 51	83	28th Oct. 1957	0530		1730	
48.	Srinagar	34 05	74 48	1595	1st Aug. 1962	0530*		1730*	
49.	Tiruchchirappalli	10 46	78 43	96	22nd Jun. 1936	0530		1730	2330
50.	Trivandrum	08 29	76 57	73	8th Dec. 1928	0530*	1130	1730*	2330
51.	Udaipur	24 35	73 42	587	24th Jun. 1947	0530		1730	2330
52.	Vengurla	15 52	73 38	8	22nd Nov. 1941	0530		1730	2330
53.	Veraval	20 54	70 22	17	13th Oct. 1941	0530		1730	2330
54.	Vijaywada/Gannavaram	16 32	80 48	32	8th Apr. 1942	0530		1730	2330
55.	Vishakhapatnam	17 43	83 14	10	24th Sep. 1928	0530*	1130	1730*	2330

* Radio wind ascents.

⊕ Radiosonde ascents followed by optical theodolite.

\+ Naval Meteorological Office.

** Refers to date from which data are available.

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

AUGUST, 1967. (SRAVANA 10 - BHADRA 9, 1889 SAKA)

STATION	AGARTALA												AHMADABAD											
TIME IN I.S.T.	0530				1730				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.1	01.7	124	31	01.8	01.5	162	31	02.4	02.2	138	31	02.5	01.7	219	31	03.0	02.6	240	31	03.1	02.8	240
.15 A.G.L.	29	06.2	05.5	137	28	05.7	04.8	171	28	07.0	06.7	164	31	05.8	05.3	245	31	05.0	04.5	240	30	06.0	05.5	244
.3A.M.S.L.	29	07.2	06.6	152	28	06.6	05.6	170	28	08.4	08.1	173	31	06.7	06.1	248	31	05.1	04.6	243	30	06.0	05.5	246
.6 ,,	29	08.0	07.0	156	28	07.6	06.6	172	28	09.5	09.0	176	30	07.4	07.2	257	29	05.7	05.0	250	30	06.7	06.1	258
.9 ,,	28	08.1	06.7	158	28	07.7	06.0	164	28	09.1	08.5	177	29	07.9	07.3	261	15	07.0	06.2	267	29	07.1	06.5	264
1.5 ,,	27	07.9	05.9	151	28	08.3	07.1	158	27	07.8	07.0	169	27	06.9	06.2	251	04	06.0	05.1	261	28	07.2	06.1	273
2.1 ,,	27	07.6	05.9	148	26	08.8	07.3	154	20	08.2	06.8	168	24	05.4	03.9	252					25	06.5	04.9	278
3.0 ,,	21	07.0	05.7	134	24	09.3	07.9	149	08	07.9	06.1	150	23	04.2	02.7	294					25	05.1	03.0	315
3.6 ,,	11	07.3	06.3	132	11	06.0	05.2	142					23	05.4	01.8	359					24	05.1	03.8	337
4.5 ,,	07	07.3	06.7	134	10	05.8	04.7	134					23	05.3	02.7	033					23	05.1	02.7	008
5.4 ,,	04	07.5	07.5	108	06	06.0	04.5	106					20	05.3	03.1	047					21	04.8	02.9	035
6.0 ,,	03	05.0	04.9	096	03	05.0	03.8	111					19	06.1	03.7	054					21	05.0	02.2	027
7.2 ,,	01	09.0	09.0	075	01	06.0	06.0	115					15	06.4	04.7	074					16	05.7	04.1	072
9.0 ,,	01	11.0	11.0	075									11	07.8	07.0	090					11	08.5	07.2	078

STATION	AHMADABAD				ALLAHABAD/RAMBRAULI												AMBALA							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.9	02.7	214	31	01.0	00.3	273	31	01.4	00.4	267	31	01.0	00.3	280	31	00.5	00.4	133	31	00.5	00.2	145
.15 A.G.L.	31	07.5	07.1	220	22	05.1	00.5	253	26	05.5	01.0	270	29	05.2	00.8	246	29	05.2	04.2	121	27	03.5	01.5	094
.3A.M.S.L.	31	08.2	07.8	227	22	06.0	00.9	232	26	06.0	01.4	263	29	05.9	00.6	255	29	02.1	01.5	107	27	01.7	00.6	119
.6 ,,	29	09.6	09.1	237	22	07.7	01.3	256	25	06.1	00.0	261	29	07.1	00.3	195	29	04.4	03.7	124	27	03.9	01.8	106
.9 ,,	25	09.2	08.8	246	13	06.9	02.2	277	22	06.7	00.4	060	27	06.8	00.4	170	29	05.4	04.1	138	24	04.7	02.0	133
1.5 ,,	13	07.2	05.9	255	08	06.5	00.9	060	19	07.2	00.7	293	21	05.8	01.2	081	23	05.5	02.9	126	20	06.2	03.5	110
2.1 ,,	07	05.0	02.6	289	06	09.0	03.2	096	15	06.3	00.7	085	14	05.2	01.6	057	17	05.0	03.9	117	14	07.4	02.7	103
3.0 ,,	04	04.3	03.9	013	03	08.3	07.7	108	07	06.0	05.4	104	06	04.3	00.3	023	04	05.1	02.2	116	07	08.1	02.4	048
3.6 ,,	02	04.0	03.1	016	03	09.7	09.2	108	03	04.3	04.1	108	04	04.8	00.9	025	01	04.0	04.0	126	03	05.0	04.7	114
4.5 ,,	01	03.0	03.0	099	03	11.0	09.6	110	03	03.3	03.2	116	01	04.0	04.0	246	01	02.0	02.0	121	01	04.0	04.0	120
5.4 ,,	01	08.0	08.0	105	02	08.5	08.4	122	02	02.5	02.0	091					01	02.0	02.0	113				
6.0 ,,	01	04.0	04.0	135	01	05.0	05.0	085	02	04.0	02.7	083					01	03.0	03.0	115				
7.2 ,,					01	07.0	07.0	095	01	01.0	01.0	135												
9.0 ,,					01	09.0	09.0	060	01	03.0	03.0	075												

STATION	AMBALA								AMINI												ANANTAPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.6	00.2	120	31	00.8	00.6	125	31	08.6	08.4	273	31	07.8	07.5	270	31	08.4	08.2	272	31	03.2	03.1	267
.15 A.G.L.	31	04.3	01.7	120	30	05.5	03.6	115	28	09.0	08.7	274	31	08.9	08.6	273	30	08.7	08.5	273	29	08.3	08.2	258
.3A.M.S.L.	31	02.0	00.7	127	30	02.7	01.6	111	28	09.9	09.6	275	31	09.7	09.5	273	30	09.6	09.4	275				
.6 ,,	31	05.0	02.2	117	30	05.3	03.6	116	28	11.8	11.6	277	31	11.9	11.7	274	30	11.3	11.2	277	29	10.2	10.2	260
.9 ,,	31	04.7	02.1	114	30	05.3	03.6	121	25	12.4	12.2	282	31	13.3	13.1	280	30	12.6	12.5	280	29	14.5	14.5	266
1.5 ,,	28	05.8	02.1	193	27	05.2	02.7	131	16	11.[illegible]	11.1	286	26	12.9	12.8	283	25	13.6	13.5	287	28	18.1	18.0	274
2.1 ,,	21	05.6	01.4	144	18	06.0	02.1	135	12	10.3	10.3	287	20	13.0	12.9	282	18	11.7	11.5	285	23	15.0	14.7	280
3.0 ,,	06	07.1	01.4	137	08	06.1	02.3	127	04	08.0	07.9	285	10	08.4	08.1	280	09	09.1	09.1	288	16	10.6	10.4	286
3.6 ,,	01	05.0	05.0	045					04	05.5	05.4	284	07	05.6	05.5	278	03	09.3	09.2	290	11	08.9	08.8	282
4.5 ,,									01	05.0	05.0	270	06	05.5	05.3	283					06	08.2	08.1	281
5.4 ,,									01	06.0	06.0	260	05	05.0	04.8	272					03	06.3	06.2	278
6.0 ,,									01	03.0	03.0	245	05	03.8	02.3	262					03	04.0	02.4	278
7.2 ,,													04	04.2	03.2	068					03	03.0	00.7	332
9.0 ,,													03	08.7	08.5	088								

STATION	ANANTAPUR								ASANSOL												AURANGABAD/CHIKALTHAN			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	07.0	06.8	274	31	06.3	06.2	268	31	01.2	00.5	113	31	01.4	00.6	126	31	01.4	00.3	142	31	04.4	04.1	271
.15 A.G.L.	30	12.5	12.3	271	30	12.3	12.2	259	22	04.5	00.3	360	30	05.2	02.5	120	28	05.4	01.7	149	30	07.0	06.7	263
.3A.M.S.L.									22	04.9	00.5	357	30	05.4	02.4	122	28	05.4	01.5	157				
.6 ,,	30	12.3	12.1	270	30	12.7	12.6	260	22	05.7	01.3	321	30	06.4	03.3	118	27	06.7	01.5	162				
.9 ,,	30	12.5	12.4	271	30	15.4	15.3	264	19	05.[illegible]	02.3	315	30	06.9	03.4	117	23	06.2	01.2	181	30	09.5	09.2	265
1.5 ,,	30	13.1	13.0	272	30	15.2	15.1	273	18	06.5	02.7	337	25	07.0	02.2	118	18	05.6	01.8	139	29	13.9	13.5	271
2.1 ,,	27	14.0	13.9	278	28	12.0	11.9	280	14	05.6	01.6	341	24	07.0	02.2	115	11	06.1	03.1	122	26	12.6	12.0	272
3.0 ,,	08	09.7	09.5	272	13	09.7	09.2	277	06	03.7	01.2	251	15	05.1	02.3	088	07	05.6	04.3	123	20	08.7	08.1	281
3.6 ,,	04	08.7	08.4	280	03	08.3	08.1	284	06	03.8	02.0	15[illegible]	11	06.7	04.2	092	0[illegible]	04.7	04.3	104	12	05.6	04.8	288
4.5 ,,	02	09.0	08.8	272					02	04.0	04.0	088	07	05.1	03.3	110	02	05.5	05.5	095	05	05.6	04.4	325
5.4 ,,	01	03.0	03.0	215					0[illegible]	06.5	06.1	088	06	05.0	04.3	088	01	05.0	05.0	056	[illegible]	[illegible]	[illegible]	[illegible]
6.0 ,,	01	05.0	05.0	255					02	08.5	08.5	093	03	03.3	03.2	082					03	[illegible]	04.1	3[illegible]7
7.2 ,,									01	08.0	08.0	090									01	03.0	03.0	010
9.0 ,,																								

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

AUGUST,1967.(SRAVANA 10 - BHADRA 9,1889 SAKA)

STATION	AURANGABAD/CHIKALTHAN								BAHRAICH												BANGALORE			
TIME IN I.S.T.	1730				2330				0530				1130				2330				0530●			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	06.6	05.9	268	31	05.0	05.0	268	31	01.4	01.1	118	31	02.2	01.8	121	31	01.7	01.2	130	30	04.2	03.9	254
.15 A.G.L.	30	09.9	09.2	271	29	08.7	08.3	267	16	06.0	05.8	117	23	05.3	04.7	110	19	04.7	02.4	134	05	09.8	09.1	259
.3A.M.S.L.									16	06.0	05.9	118	23	05.5	05.0	110	19	04.9	04.2	120				
.6 ,,									16	09.4	09.2	116	23	05.7	05.5	113	19	06.3	05.9	119				
.9 ,,	30	10.5	10.1	273	29	10.9	10.7	267	15	10.3	10.1	114	19	07.8	07.7	115	18	07.9	07.5	117				
1.5 ,,	29	12.0	11.7	271	28	12.7	12.3	265	14	11.4	11.2	112	13	10.9	10.8	113	12	08.9	08.7	117	03	18.7	18.5	272
2.1 ,,	27	11.4	10.9	271	25	10.4	09.9	267	04	12.3	10.6	115	04	08.5	08.4	107	08	09.5	09.4	117	03	19.7	19.6	279
3.0 ,,	12	08.5	07.6	269	21	07.5	06.9	282	01	10.0	10.0	120					02	06.0	05.9	145	03	12.0	11.8	297
3.6 ,,	06	08.0	07.7	282	20	06.9	06.2	287	01	10.0	10.0	110									03	09.3	09.1	311
4.5 ,,	04	08.7	08.7	286	07	05.1	04.7	308													03	08.7	08.5	298
5.4 ,,	02	04.0	03.0	278	06	05.0	04.1	318													03	10.7	10.4	272
6.0 ,,	02	02.0	01.6	298	03	05.7	05.4	330													02	04.0	03.5	262
7.2 ,,	02	04.0	01.4	322	01	02.0	02.0	325													02	04.0	03.9	255
9.0 ,,	01	03.0	03.0	067																	01	03.0	03.0	138

STATION	BANGALORE												BAREILLY								BEGAMPET			
TIME IN I.S.T.	1130				1730●				2330				0530				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	05.2	04.8	256	31	05.1	04.9	258	31	04.9	04.5	246	31	01.5	01.3	096	31	01.6	00.7	091	31	09.5	09.5	181
.15 A.G.L.	31	08.9	08.8	257	31	08.6	08.2	262	30	10.5	10.4	252	24	06.0	05.0	097	27	04.1	02.0	079	31	11.7	11.4	271
.3A.M.S.L.													24	05.4	04.5	093	27	04.3	01.8	075				
.6 ,,													24	08.1	06.9	102	27	04.6	02.7	096	31	11.7	11.4	271
.9 ,,													22	08.3	06.8	104	23	05.3	03.8	107	31	13.0	12.9	274
1.5 ,,	28	11.8	11.7	266	31	10.4	10.2	266	28	15.9	15.9	269	19	09.4	06.7	111	17	06.9	05.8	119	31	15.8	15.5	285
2.1 ,,	03	15.0	15.0	273	28	11.8	11.5	276	26	14.8	14.6	281	13	08.9	07.2	113	12	06.5	05.0	109	31	13.9	13.5	283
3.0 ,,					19	10.5	10.3	286	21	10.7	10.3	281	10	08.4	06.8	115	09	06.9	06.3	106	31	11.1	10.5	279
3.6 ,,					16	09.0	08.9	284	17	07.0	06.6	284	07	05.4	04.0	093	04	06.0	05.2	108	31	10.0	09.2	285
4.5 ,,					12	06.8	06.4	283	10	07.1	03.4	293	05	04.8	02.6	081	03	06.3	03.9	104	31	08.4	07.6	294
5.4 ,,					09	06.3	06.0	278	04	08.0	03.8	320	04	03.7	02.5	039	01	04.0	04.0	340	31	07.7	05.8	302
6.0 ,,					07	04.9	03.5	273					03	03.3	03.1	087	01	05.0	05.0	325	31	06.6	03.9	304
7.2 ,,					07	03.4	01.3	178					02	04.0	04.0	091	01	01.0	01.0	287	31	05.2	01.8	331
9.0 ,,					05	08.0	07.4	088					01	02.0	02.0	086					31	05.9	04.5	279

STATION	BEGAMPET												BHAGALPUR								BHOPAL/BAIRAGARH			
TIME IN I.S.T.	1130				1730				2330				0530				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	06.1	06.0	272	31	07.5	07.5	269	30	04.1	03.8	260	31	01.3	01.1	094	31	01.5	00.9	104	31	04.4	03.8	258
.15 A.G.L.	31	09.1	08.9	272	31	09.1	08.8	269	30	09.1	08.9	264	25	06.5	05.7	095	27	06.0	04.3	097	25	09.5	09.0	256
.3A.M.S.L.													25	06.6	05.7	096	27	06.7	04.8	097				
.6 ,,	31	08.4	08.2	272	31	09.1	08.8	269	30	06.6	06.4	261	25	08.2	07.3	102	27	07.5	06.1	107	25	07.8	07.4	253
.9 ,,	31	09.8	09.6	275	31	09.2	08.9	272	30	11.5	11.2	272	25	08.5	07.5	101	27	07.8	06.8	115	23	13.1	12.6	271
1.5 ,,	28	11.9	11.7	281	31	10.5	10.2	277	28	12.5	12.2	276	24	10.2	08.9	098	27	08.9	08.4	117	08	14.9	13.7	283
2.1 ,,	22	12.9	12.6	280	31	12.5	12.4	282	26	11.0	10.7	281	16	10.3	09.6	092	22	09.4	08.9	119	03	07.0	06.4	282
3.0 ,,	10	11.7	11.5	275	31	12.9	12.6	284	17	08.1	07.5	280	01	06.0	06.0	110	09	06.0	05.0	112				
3.6 ,,	06	11.5	11.1	273	31	12.4	11.8	282	01	07.0	07.0	285	01	05.0	05.0	105	05	06.4	05.6	098				
4.5 ,,	02	10.5	10.5	285	31	09.0	08.1	285					01	06.0	06.0	100	05	06.8	05.8	096				
5.4 ,,	02	07.0	06.9	285	31	07.5	06.4	280									01	06.0	06.0	105				
6.0 ,,	02	08.5	08.5	268	31	06.6	04.7	292																
7.2 ,,	02	08.5	08.3	262	31	04.5	02.2	311																
9.0 ,,	01	07.0	07.0	260	31	05.4	03.1	072																

STATION	BHOPAL/BAIRAGARH								BHUBANESHWAR												BHUJ/RUDRAMATA			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	04.8	04.2	276	31	03.4	02.9	257	31	02.6	01.7	265	31	03.7	02.7	246	31	02.9	02.6	236	31	02.9	02.8	227
.15 A.G.L.	23	07.1	06.1	268	23	09.3	08.7	256	27	05.7	04.7	257	24	05.4	04.0	240	20	06.2	05.6	234	30	07.3	07.0	233
.3A.M.S.L.									27	06.6	05.5	264	24	06.0	04.1	250	20	07.4	06.3	245	30	08.1	07.8	236
.6 ,,	23	07.0	06.1	269	23	07.7	07.1	250	26	08.2	07.4	270	24	06.7	04.7	259	20	07.7	06.9	258	29	09.2	08.9	241
.9 ,,	23	08.2	07.6	275	23	10.4	09.8	271	26	09.2	08.5	281	23	07.1	04.7	264	20	09.0	07.9	270	28	08.8	08.5	243
1.5 ,,	21	09.7	08.7	277	21	09.2	08.4	279	22	09.1	05.5	295	18	07.3	05.8	280	18	10.2	08.8	274	15	05.1	04.3	232
2.1 ,,	11	07.5	07.4	285	15	06.5	05.5	294	09	13.1	12.9	280	14	08.1	06.5	285	11	07.5	07.0	279	09	04.1	01.7	267
3.0 ,,	01	08.0	08.0	290	05	05.4	01.7	002	05	06.2	05.7	259	06	06.5	04.0	276	05	07.0	06.2	258	04	05.0	03.3	0[illegible]
3.6 ,,	01	07.0	07.0	285	03	04.3	04.1	326	02	06.5	04.2	262	03	03.0	00.9	019	01	05.0	05.0	185	02	03.0	02.7	3[illegible]4
4.5 ,,	01	07.0	07.0	285	01	08.0	08.0	078					01	04.0	04.0	210					01	04.0	04.0	045
5.4 ,,					01	09.0	09.0	060													01	08.0	08.0	060
6.0 ,,					01	08.0	08.0	060																
7.2 ,,																								
9.0 ,,																								

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

AUGUST, 1967. (SRAVANA 10 - BHADRA 9, 1889 SAKA)

STATION	BHUJ/RUDRAMATA								BIKANER												BOMBAY/SANTACRUZ			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	04.7	04.7	228	31	03.5	03.4	225	31	01.3	01.1	228	31	01.6	01.0	213	31	01.7	01.2	198	31	05.5	05.0	247
.15 A.G.L.	31	09.8	09.6	234	31	07.0	06.8	234	31	08.3	06.9	238	30	06.4	03.9	215	31	09.0	07.0	210	30	09.8	09.6	241
.3A.M.S.L.	31	09.5	09.3	232	31	07.4	07.2	233	31	06.1	05.3	231	30	05.7	03.6	217	31	07.3	05.2	197	30	10.2	09.9	243
.6 ,,	31	08.9	08.7	234	31	08.4	08.2	238	30	09.9	08.3	254	30	06.5	03.1	223	31	09.3	06.5	214	30	11.4	11.2	250
.9 ,,	29	08.9	08.6	238	28	07.9	07.6	235	30	08.8	06.8	265	30	07.0	03.6	227	31	08.5	05.6	226	30	12.0	11.7	252
1.5 ,,	17	06.5	06.2	240	16	03.8	02.9	210	30	05.4	01.9	276	30	07.0	02.8	246	31	06.7	02.2	255	30	10.4	10.1	253
2.1 ,,	05	04.0	03.1	235	12	03.6	00.5	091	26	05.1	01.0	076	24	06.4	02.2	258	28	05.3	01.3	359	30	09.8	09.4	253
3.0 ,,	01	05.0	05.0	275	10	05.1	03.4	017	18	06.4	02.8	030	14	06.7	04.8	358	20	05.6	03.4	044	30	09.6	08.8	274
3.6 ,,					02	03.5	03.5	007	11	04.9	04.1	045	09	08.3	06.6	359	06	07.3	05.8	032	29	09.8	08.7	285
4.5 ,,									09	04.8	04.1	038	03	06.3	02.2	284	01	13.0	13.0	015	29	06.8	05.7	297
5.4 ,,									05	03.8	02.5	012									29	05.2	03.3	320
6.0 ,,									02	03.0	02.0	275									29	04.1	02.2	339
7.2 ,,									01	07.0	07.0	265									27	04.1	02.3	035
9.0 ,,																					25	07.3	06.8	082

STATION	BOMBAY/SANTACRUZ												CALCUTTA/DUM DUM											
TIME IN I.S.T.	1130				1730*				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	05.5	05.0	239	31	05.9	05.4	248	31	04.2	04.0	231	31	00.9	00.3	128	31	02.0	01.1	120	31	01.7	00.9	177
.15 A.G.L.	31	08.8	08.3	242	30	08.9	08.6	243	31	08.6	08.3	234	31	05.6	02.0	180	29	04.6	02.3	131	31	05.5	03.3	179
.3A.M.S.L.	31	09.9	09.6	242	30	09.2	08.9	246	31	09.4	09.1	237	31	06.4	02.2	188	28	05.1	02.4	123	31	05.7	03.4	176
.6 ,,	29	10.9	10.6	244	30	09.7	09.5	251	28	09.6	09.4	243	31	07.2	01.8	202	28	06.0	02.3	145	31	06.1	03.3	173
.9 ,,	18	10.5	10.2	249	30	10.1	09.8	251	18	09.2	09.1	244	31	06.9	01.4	194	21	06.2	02.3	141	31	06.7	03.3	166
1.5 ,,	04	10.0	09.5	253	30	10.1	09.7	250	12	10.0	09.9	240	31	07.0	01.3	184	11	08.5	03.1	168	31	06.5	02.6	168
2.1 ,,	02	09.5	09.4	260	29	09.2	08.9	254	02	09.0	09.0	252	31	06.7	01.5	192	06	07.7	01.6	227	31	06.8	02.5	160
3.0 ,,					29	10.4	09.8	271					31	06.7	02.2	160	03	08.0	02.7	069	31	06.5	03.2	136
3.6 ,,					27	09.5	08.9	278					31	06.6	02.4	144	01	10.0	10.0	115	31	06.3	03.6	125
4.5 ,,					27	07.5	06.5	286					31	06.9	03.7	128	01	13.0	13.0	105	31	06.7	04.1	113
5.4 ,,					27	05.3	03.5	281					31	07.2	04.4	128	01	11.0	11.0	100	31	07.4	04.6	112
6.0 ,,					27	04.8	02.1	280					31	07.6	05.3	120					31	06.8	04.8	107
7.2 ,,					27	04.1	01.6	053					30	08.0	06.7	121					31	07.7	05.9	095
9.0 ,,					27	07.9	07.2	082					30	08.7	07.9	112					31	08.6	07.8	088

STATION	CALCUTTA/DUM DUM				COCHIN/WILLINGDON ↑												DEHRADUN							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.6	01.0	157	31	00.9	00.5	053	31	02.3	01.9	293	31	00.6	00.2	041	31	00.1	00.1	338	31	00.4	00.3	270
.15 A.G.L.	30	05.9	04.1	182	25	03.3	00.7	274	26	04.3	03.8	293	22	02.9	01.1	353	20	02.3	00.6	065	26	02.2	00.5	259
.3A.M.S.L.	30	07.1	04.8	195	25	04.3	02.0	301	26	06.3	05.9	293	22	03.8	02.3	305								
.6 ,,	29	08.4	05.7	212	25	07.3	06.8	291	26	10.1	09.8	296	22	06.7	05.9	296								
.9 ,,	29	07.9	05.0	215	23	09.7	09.4	293	25	11.2	10.8	298	21	08.9	08.5	301	20	02.2	00.2	070	26	02.2	00.4	260
1.5 ,,	28	06.9	03.3	220	20	12.2	12.0	295	24	11.9	11.7	298	18	11.1	10.7	299	19	02.5	01.3	130	26	02.6	00.9	184
2.1 ,,	19	06.4	04.0	210	13	12.8	12.5	296	21	12.2	12.1	298	13	12.9	12.7	290	14	04.4	03.2	109	21	04.0	02.2	141
3.0 ,,	13	05.6	04.7	193	02	17.5	17.4	296	07	09.1	09.0	290	02	07.5	07.5	305	12	05.5	04.0	133	10	06.5	05.3	123
3.6 ,,	01	03.0	03.0	096													11	05.1	03.5	114	08	05.0	04.6	121
4.5 ,,																	08	03.9	02.1	074	05	03.6	02.8	138
5.4 ,,																	06	03.3	02.1	093	05	03.8	02.2	149
6.0 ,,																	06	03.5	01.8	115	03	04.7	03.1	194
7.2 ,,																	04	03.5	02.9	110	02	07.0	05.2	201
9.0 ,,																	03	05.7	03.0	184	01	10.0	10.0	245

STATION	DIBRUGARH/MOHANBARI																GADAG							
TIME IN I.S.T.	0530				1130				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.5	00.2	056	31	01.0	00.6	044	31	00.8	00.5	010	31	00.7	00.3	014	31	05.5	04.0	246	31	06.4	06.0	260
.15 A.G.L.	26	04.0	02.2	052	30	02.2	01.0	053	31	02.2	00.7	059	31	02.9	01.1	002	28	10.9	10.7	250	30	12.4	12.1	256
.3A.M.S.L.	26	04.5	01.7	067	30	02.4	00.9	050	31	02.3	00.7	043	31	02.9	00.8	014								
.6 ,,	25	04.3	01.8	050	30	02.7	01.1	081	31	02.6	01.0	067	31	02.4	00.7	054								
.9 ,,	25	03.4	01.5	080	28	03.1	00.9	099	31	02.6	00.3	104	31	02.3	00.8	096	28	13.0	12.8	261	30	13.2	13.1	259
1.5 ,,	24	03.2	01.2	071	27	03.3	01.4	170	31	03.0	01.5	206	30	03.0	01.1	178	22	16.0	15.9	272	27	13.9	13.9	271
2.1 ,,	23	03.2	02.2	099	22	04.3	01.7	135	31	03.9	02.2	201	29	03.3	00.9	257	11	14.5	14.4	273	18	13.4	13.1	271
3.0 ,,	13	03.2	01.0	152	15	04.5	02.4	130	30	04.0	02.5	190	22	03.9	02.3	192	04	09.0	08.7	276	03	11.3	11.1	281
3.6 ,,	09	04.1	01.7	140	12	05.3	01.2	169	27	04.0	02.4	190	11	04.6	03.7	191	04	08.0	07.2	281	01	08.0	08.0	305
4.5 ,,	05	04.4	01.2	144	05	03.6	01.7	131	22	03.5	02.0	180	01	01.0	01.0	144	01	06.0	06.0	250				
5.4 ,,	05	04.0	01.9	160	04	04.3	03.1	166	16	03.6	02.3	132					01	05.0	05.0	240				
6.0 ,,	03	03.3	03.3	147	03	03.7	03.6	126	13	04.1	03.2	114					01	06.0	06.0	235				
7.2 ,,	02	06.0	05.8	158	02	04.5	03.7	113	08	06.3	05.7	080					01	02.0	02.0	125				
9.0 ,,	02	06.5	06.3	157					04	08.8	05.1	088					01	07.0	07.0	085				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

AUGUST,1967.(SRAVANA 10 - BHADRA 9,1889 SAKA)

STATION	GADAG				GANGTOK								GAUHATI											
TIME IN I.S.T.	2330				0530				1730				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	05.0	04.6	251	31	00.6	00.6	360	31	00.8	00.1	121	30	00.5	00.1	129	31	02.3	01.3	046	31	00.8	00.2	197
.15 A.G.L.	31	11.5	11.4	251	18	01.8	01.5	001	05	02.0	01.3	190	30	02.9	00.2	122	31	04.0	02.7	041	31	02.8	00.9	241
.3A.M.S.L.													30	03.1	00.3	067	31	04.0	02.8	053	31	03.0	00.7	310
.6 ,,													30	03.6	01.4	062	31	04.3	03.0	068	31	03.6	01.4	070
.9 ,,	31	12.9	12.7	261									30	03.9	01.8	069	28	04.9	03.6	091	31	03.7	01.6	066
1.5 ,,	27	15.8	15.7	272									29	04.4	01.9	111	25	05.5	04.3	113	31	04.5	02.9	114
2.1 ,,	22	14.0	13.8	275	18	01.2	00.7	343	05	02.0	01.3	187	29	05.1	03.1	104	14	06.7	05.1	111	31	05.0	03.3	126
3.0 ,,	12	10.0	09.8	276	16	01.6	00.4	332	03	02.7	00.8	083	29	06.0	04.3	112	11	07.3	06.4	110	31	06.0	04.3	115
3.6 ,,	10	08.4	08.1	280	13	02.2	01.0	070	02	02.0	01.9	135	28	05.9	03.5	119	08	07.4	04.5	106	28	06.1	04.8	116
4.5 ,,	04	04.0	03.5	272	12	04.1	03.6	076	01	03.0	03.0	052	26	05.7	03.8	130	05	05.8	05.1	121	25	06.0	04.2	119
5.4 ,,	02	04.0	01.7	276	10	03.6	01.7	119	01	03.0	03.0	117	26	05.4	03.5	134	04	05.0	04.2	123	25	05.0	03.5	099
6.0 ,,					08	03.7	02.1	148	01	03.0	03.0	087	26	05.0	03.7	132	04	04.8	03.9	116	25	05.0	03.1	102
7.2 ,,					05	04.4	03.8	087					25	05.6	03.7	110	02	06.0	05.8	095	25	05.0	03.9	095
9.0 ,,					05	05.8	05.4	081					25	05.9	04.6	099	01	09.0	09.0	104	24	07.3	06.5	060

STATION	GAUHATI				GAYA												GOA/DABOLIM							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.9	00.5	223	31	02.9	00.5	108	31	03.0	00.4	062	31	02.6	00.9	102	31	07.8	07.5	274	31	07.8	07.4	275
.15 A.G.L.	31	02.5	01.3	241	25	05.7	02.0	098	26	05.6	01.3	072	30	05.1	01.8	116	14	08.1	08.0	261	21	07.4	07.1	268
.3A.M.S.L.	30	02.7	01.3	262	25	06.0	01.9	101	26	05.3	01.6	084	30	05.7	01.8	114	14	09.1	08.9	265	21	08.3	08.1	266
.6 ,,	30	03.1	01.0	307	25	06.8	03.1	117	26	05.7	01.1	112	30	07.0	03.7	115	14	11.3	11.2	270	21	11.1	10.8	270
.9 ,,	30	03.2	00.5	093	24	07.2	03.7	108	25	06.0	01.3	148	30	07.2	03.2	123	14	11.9	11.8	270	21	11.8	11.6	272
1.5 ,,	29	04.1	01.9	165	20	08.1	05.9	095	23	07.3	03.9	139	25	06.3	03.6	116	11	11.5	11.4	276	19	11.8	11.4	273
2.1 ,,	25	05.2	03.3	143	17	07.6	06.0	110	21	07.0	03.9	139	19	05.8	03.1	132	09	11.6	11.4	279	06	11.8	11.5	278
3.0 ,,	15	05.8	02.7	155	10	05.6	04.3	097	11	05.3	03.5	106	09	05.1	03.9	122	01	09.0	09.0	285				
3.6 ,,	04	05.7	05.3	124	08	06.0	04.4	105	07	03.7	02.6	104	03	05.0	04.3	162								
4.5 ,,	01	05.0	05.0	115	03	05.3	05.1	121	04	04.3	02.8	099	01	05.0	05.0	086								
5.4 ,,					03	05.3	05.3	120	04	03.7	03.2	098												
6.0 ,,					03	06.0	06.0	111	04	03.7	03.3	109												
7.2 ,,									02	06.5	05.9	105												
9.0 ,,									02	06.0	05.1	102												

STATION	GOA/DABOLIM				GOPALPUR												GORAKHPUR							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	07.5	07.1	276	31	02.7	02.4	231	31	05.0	04.8	219	31	02.7	02.4	231	31	01.3	01.0	082	31	01.3	01.0	360
.15 A.G.L.	10	08.1	07.7	256	26	06.3	05.0	236	17	07.8	07.5	209	23	06.0	05.5	231	29	05.3	04.2	095	26	04.8	03.5	102
.3A.M.S.L.	10	08.9	08.7	257	26	05.9	04.8	251	17	07.4	07.0	216	23	05.9	05.3	236	29	06.4	05.2	101	26	05.4	03.9	104
.6 ,,	10	10.7	10.3	265	26	06.4	05.3	260	17	05.4	04.7	231	23	05.9	05.4	260	28	07.8	06.7	111	26	06.6	05.1	110
.9 ,,	10	11.3	11.0	266	26	07.8	06.8	274	17	05.1	04.4	254	23	06.5	06.2	269	26	08.5	07.6	110	25	07.2	06.1	114
1.5 ,,	08	11.7	11.7	274	25	10.2	09.3	283	15	07.7	07.5	273	20	08.4	08.1	274	24	09.4	08.3	107	23	07.9	07.3	120
2.1 ,,	04	11.5	11.0	272	11	11.1	10.0	276	14	08.4	07.9	279	13	07.2	06.8	272	19	09.7	09.3	112	19	08.6	08.2	120
3.0 ,,					02	09.5	09.5	263	07	04.6	04.0	268	07	05.8	05.6	257	11	09.5	08.6	107	16	08.1	07.8	121
3.6 ,,									04	05.0	04.3	271	01	06.0	06.0	270	08	08.6	07.6	118	15	08.2	08.0	119
4.5 ,,									01	06.0	06.0	225					03	06.0	05.9	131	06	06.0	05.8	108
5.4 ,,									01	03.0	03.0	208					02	07.5	07.5	133	02	04.5	04.5	131
6.0 ,,									01	01.0	01.0	355									02	04.5	04.5	122
7.2 ,,																								
9.0 ,,																								

STATION	GWALIOR																IMPHAL/TULIHAL							
TIME IN I.S.T.	0530				1130				1730				2330				0530				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.7	01.3	280	31	02.3	01.4	276	31	02.1	01.1	292	31	01.5	00.9	251	31	00.8	00.5	066	31	01.2	00.6	180
.15 A.G.L.	26	06.3	03.8	266	28	05.8	03.4	280	29	05.2	02.7	295	29	05.2	02.9	257	29	02.1	01.3	063	30	02.0	00.5	140
.3A.M.S.L.	26	05.3	03.7	263	28	05.3	02.9	282	29	04.8	02.6	287	29	04.2	02.4	250								
.6 ,,	26	08.4	04.5	292	28	06.7	04.1	284	29	06.1	03.3	293	28	06.6	03.7	278								
.9 ,,	22	08.9	04.5	301	23	07.3	03.9	304	26	06.7	03.2	305	28	06.7	03.0	292	29	02.1	01.2	065	30	02.0	00.4	151
1.5 ,,	15	09.3	03.7	316	09	06.0	02.9	346	22	07.1	02.6	313	28	06.6	02.6	303	28	03.0	01.1	096	30	03.6	02.6	122
2.1 ,,	10	08.1	02.7	001	07	05.0	02.3	349	14	05.8	02.0	317	24	05.7	02.3	335	24	04.4	02.0	139	26	05.1	03.6	127
3.0 ,,	07	05.3	03.0	346	03	03.3	01.8	356	09	03.9	00.7	334	11	04.5	02.6	010	16	04.9	02.3	136	16	05.9	03.5	140
3.6 ,,	05	04.6	02.0	033	03	03.3	02.4	012	08	05.4	00.7	340	06	03.5	01.8	028	09	06.3	05.8	117	10	05.3	03.1	134
4.5 ,,	04	06.3	04.3	046	03	04.3	03.4	346	06	04.0	03.1	037	05	03.8	02.7	061	03	07.3	07.3	104	06	05.6	02.9	123
5.4 ,,	04	05.0	04.5	072	02	04.0	02.8	322	05	04.8	02.1	050					03	07.3	07.3	102	01	02.0	02.0	090
6.0 ,,	04	05.3	04.2	072	02	05.5	04.1	325	03	04.0	02.6	332					03	07.7	07.6	100				
7.2 ,,	04	05.0	04.7	092					03	05.7	02.1	305					02	05.0	04.9	076				
9.0 ,,	02	04.0	03.9	072					02	06.5	05.1	294					02	07.5	05.9	059				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

AUGUST,1967.(SRAVANA 10 - BHADRA 9,1889 SAKA)

STATION	IMPHAL/TULIHAL								JABALPUR												JAGDALPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.1	01.5	161	31	01.1	00.1	221	31	01.4	01.1	254	31	01.6	01.3	263	31	01.1	00.9	238	31	01.4	01.0	249
.15 A.G.L.	30	03.7	02.9	156	31	02.2	00.7	130	20	07.1	06.4	258	24	05.7	05.0	260	22	06.0	05.5	252	23	06.7	05.9	239
.3A.M.S.L.																								
.6 ,,									20	07.9	07.2	265	24	06.3	05.5	263	22	06.6	05.9	252	23	04.3	03.8	239
.9 ,,	30	03.6	02.8	155	31	02.3	00.5	114	17	10.9	09.8	288	21	07.0	05.7	273	20	07.1	06.3	273	22	09.0	08.1	259
1.5 ,,	30	04.0	03.0	135	31	03.8	02.8	139	14	10.6	08.5	298	18	07.3	05.5	288	19	07.0	05.8	296	20	10.1	10.0	281
2.1 ,,	27	05.0	04.0	124	27	05.7	04.2	163	04	07.7	05.7	326	04	06.7	06.0	292	14	05.6	04.6	307	13	10.7	10.0	282
3.0 ,,	23	06.2	05.4	133	15	06.3	05.0	151	02	06.5	04.2	296	02	04.5	03.7	297	08	04.0	01.6	315	02	13.0	13.0	268
3.6 ,,	18	05.2	04.4	134	10	06.3	04.7	137	01	07.0	07.0	009	01	02.0	02.0	278	04	04.5	01.1	025	01	10.0	10.0	280
4.5 ,,	11	04.0	02.6	124	03	09.0	07.7	125	01	03.0	03.0	353					01	02.0	02.0	360				
5.4 ,,	09	04.8	03.2	104																				
6.0 ,,	09	05.2	04.0	101																				
7.2 ,,	04	05.0	03.7	085																				
9.0 ,,																								

STATION	JAGDALPUR								JAIPUR/SANGANER												JAMSHEDPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.9	01 6	239	31	01.1	00.9	236	31	01.4	01.1	293	31	01.8	00.9	290	31	00.8	00.6	275	31	01.4	00.2	332
.15 A.G.L.	23	06.4	05.6	246	23	05.8	05.5	240	24	06.4	05.3	290	27	05.4	02.6	268	29	06.4	04.0	279	20	03.9	02.1	261
.3A.M.S.L.																					20	04.0	02.4	270
.6 ,,	23	04.3	03.9	248	23	04.1	03.7	231	24	07.3	06.3	292	27	05.4	02.6	275	28	07.2	04.5	281	20	06.2	04.0	269
.9 ,,	23	07.1	06.6	258	23	07.2	07.0	257	24	08.7	07.3	292	27	06.2	02.1	305	28	08.0	05.1	280	19	07.3	04.8	278
1.5 ,,	21	09.9	09.2	261	21	09.3	09.0	275	22	06.5	04.7	310	23	05.7	02.9	309	27	06.6	03.9	295	12	06.0	03.6	297
2.1 ,,	09	10.1	09.1	286	17	10.5	04.7	300	18	04.8	02.5	337	21	05.3	02.5	306	25	05.3	02.7	325	08	06.4	04.3	290
3.0 ,,	04	11.2	09.7	289	06	07.8	07.8	284	12	04.1	02.9	025	15	06.2	03.4	021	17	04.9	02.9	017	06	03.7	00.9	159
3.6 ,,	03	10.3	08.5	286					09	04.5	03.1	020	12	06.0	03.3	029	10	06.1	03.6	021	03	05.0	03.4	238
4.5 ,,	01	10.0	10.0	295					06	05.0	02.7	038	07	08.0	03.6	058	01	07.0	07.0	334	01	04.0	04.0	170
5.4 ,,	01	06.0	06.0	311					04	04.3	02.0	092	02	05.5	02.9	355	01	05.0	05.0	335	01	06.0	06.0	160
6.0 ,,	01	10.0	10.0	310					03	04.7	04.7	059	01	04.0	04.0	086					01	04.0	04.0	150
7.2 ,,	01	11.0	11.0	300																	01	03.0	03.0	110
9.0 ,,																					01	07.0	07.0	090

STATION	JAMSHEDPUR				JHARSUGUDA												JODHPUR							
TIME IN I.S.T.	1730				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.0	00.4	162	31	02.9	02.1	252	31	03.0	02.3	252	31	02.7	01.8	252	31	04.9	04.3	248	31	04.5	04.0	239
.15 A.G.L.	28	04.7	01.5	185	23	05.8	03.4	248	24	05.0	03.9	250	25	05.6	04.4	250	29	07.3	06.6	245	30	07.2	06.6	242
.3A.M.S.L.	28	04.7	01.6	188	23	04.5	03.0	266	24	04.4	03.4	245	25	04.5	03.2	242	29	05.7	05.0	244	30	05.6	05.2	246
.6 ,,	28	05.8	01.5	201	23	07.9	04.3	275	24	06.5	04.9	259	25	07.4	05.9	261	28	07.6	07.1	253	30	06.6	05.7	246
.9 ,,	27	06.0	01.5	191	22	09.2	05.2	285	23	08.2	05.9	266	22	08.4	06.8	267	26	07.7	07.0	258	28	06.9	05.8	244
1.5 ,,	21	05.7	01.0	174	16	10.8	05.1	285	20	08.9	05.6	284	16	06.9	04.9	277	25	06.2	03.5	254	12	06.7	04.8	247
2.1 ,,	15	05.9	00.9	104	11	11.0	04.3	288	13	09.4	06.0	250	11	06.6	05.1	272	25	05.1	00.5	270	06	04.2	01.3	057
3.0 ,,	06	05.8	02.3	121	05	05.4	03.5	311	06	05.5	02.3	240	07	06.0	03.7	234	24	05.1	02.5	042	01	09.0	09.0	025
3.6 ,,	03	06.0	04.1	180	04	07.5	01.1	175	06	05.5	02.3	258					24	05.7	04.3	043	01	08.0	08.0	030
4.5 ,,	01	09.0	09.0	119	03	04.7	03.5	251	02	05.5	03.7	097					24	05.7	04.9	045	01	05.0	05.0	004
5.4 ,,	01	08.0	08.0	120	02	02.0	01.6	158	01	03.0	03.0	174					23	05.3	03.4	050	01	03.0	03.0	052
6.0 ,,					02	01.5	01.3	154									22	05.0	02.7	057	01	02.0	02.0	305
7.2 ,,					02	05.5	05.4	158									22	05.6	03.5	067				
9.0 ,,					02	08.0	08.0	175									21	06.3	02.9	083				

STATION	JODHPUR								LUCKNOW/AMAUSI															
TIME IN I.S.T.	1730*				2330				0530*				1130				1730*				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	03.8	03.4	124	31	03.8	03.1	218	31	01.5	00.8	083	31	03.3	01.8	162	31	01.4	00.6	105	31	01.7	00.6	173
.15 A.G.L.	30	05.6	05.3	235	30	07.2	06.8	215	25	05.3	03.8	101	28	04.0	02.7	169	28	04.3	01.4	155	25	05.2	02.8	168
.3A.M.S.L.	30	04.1	03.7	244	30	06.0	05.7	212	25	05.5	04.5	103	28	04.3	03.0	170	28	04.3	01.4	155	25	05.6	02.9	166
.6 ,,	30	06.1	05.4	236	30	08.1	07.7	226	25	06.1	04.7	108	25	05.4	04.3	162	27	04.8	02.3	119	25	07.3	04.2	164
.9 ,,	30	06.5	05.3	242	29	08.1	07.5	231	25	07.1	06.0	116	19	06.8	05.5	163	27	05.2	02.6	120	24	07.6	04.0	162
1.5 ,,	30	05.8	04.0	255	26	04.9	02.6	239	25	07.5	06.7	113	11	08.4	07.2	172	27	06.0	03.9	131	20	07.0	06.0	158
2.1 ,,	28	04.8	01.7	280	26	04.0	00.8	020	22	07.7	06.2	120	05	05.8	05.7	166	25	06.6	04.2	132	15	06.0	04.0	152
3.0 ,,	27	04.1	02.0	012	19	04.2	02.5	023	22	06.4	05.4	103	03	06.0	04.6	176	25	06.0	04.3	125	05	04.4	02.4	068
3.6 ,,	26	05.0	03.8	011	11	05.9	04.2	015	20	05.7	04.9	116	03	05.7	05.6	090	25	05.8	03.7	121	02	02.0	01.0	072
4.5 ,,	27	05.0	03.0	008					19	04.5	03.2	129	02	05.0	01.9	083	23	06.0	04.1	103				
5.4 ,,	25	04.2	02.5	005					19	05.5	03.7	116	02	03.5	03.4	090	22	06.7	04.6	110				
6.0 ,,	25	05.1	02.6	012					19	05.5	03.2	122	01	01.0	01.0	110	22	06.3	04.0	107				
7.2 ,,	23	06.0	03.9	040					19	05.2	03.5	106	01	03.0	03.0	065	22	07.2	04.8	107				
9.0 ,,	20	05.1	03.3	081					16	07.6	07.1	096					22	06.4	04.7	104				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

AUGUST, 1967. (SRAVANA 10 - BHADRA 9, 1889 SAKA)

STATION	MADRAS/MINAMBAKKAM																MANGALORE/BAJPE							
TIME IN I.S.T.	0530*				1130				1730*				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	05.3	05.1	263	31	04.4	04.3	268	31	04.3	02.4	207	31	03.5	02.9	201	31	01.6	01.1	277	31	03.9	03.7	274
.15 A.G.L.	31	08.0	07.4	260	31	06.9	06.6	267	31	05.3	03.6	198	26	08.7	07.8	212	25	05.5	04.8	272	27	06.3	06.1	270
.3A.M.S.L.	31	09.8	09.4	263	31	07.1	06.9	266	31	05.1	03.4	215	26	09.7	08.9	219	25	06.2	05.7	271	27	06.7	06.6	271
.6 ,,	31	12.1	11.7	273	31	08.5	08.4	273	31	06.1	05.5	245	26	08.9	08.4	233	25	09.2	08.9	276	26	09.2	09.1	282
.9 ,,	31	12.6	12.0	286	31	10.4	10.2	279	31	07.3	06.8	259	26	08.9	08.4	247	20	10.9	10.8	283	25	10.2	10.1	284
1.5 ,,	31	11.6	11.4	290	31	12.4	12.1	285	31	10.4	10.3	282	26	08.8	08.5	273	13	09.6	09.5	285	12	11.2	11.0	286
2.1 ,,	31	09.8	09.3	289	31	10.4	10.0	280	31	11.5	11.2	286	21	10.5	10.1	287	09	10.1	10.0	285	08	12.3	12.1	280
3.0 ,,	30	10.2	09.8	280	26	09.0	08.8	267	31	11.3	11.0	288	10	09.3	09.1	278	02	11.0	11.0	300	03	11.0	10.9	278
3.6 ,,	30	10.4	09.6	277	22	09.3	09.0	273	31	09.7	09.3	284					02	09.5	09.5	303	03	10.3	10.3	281
4.5 ,,	30	09.5	08.9	275	19	08.2	07.5	275	30	09.0	08.5	279					02	07.5	06.9	332	01	04.0	04.0	275
5.4 ,,	27	08.1	06.6	274	14	06.3	05.8	260	30	08.7	08.0	274												
6.0 ,,	27	07.4	05.3	272	13	05.2	04.5	257	30	06.9	05.7	273												
7.2 ,,	27	06.1	02.1	277	10	03.7	01.9	221	30	05.8	03.8	261												
9.0 ,,	27	07.8	05.9	088	05	10.0	08.6	102	29	07.0	04.5	104												

STATION	MANGALORE/BAJPE				MINICOY																NAGPUR/SONEGAON			
TIME IN I.S.T.	2330				0530*				1130				1730*				2330				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.5	01.4	270	31	04.2	03.7	278	31	03.8	03.4	280	31	05.1	04.8	262	31	04.1	03.6	281	31	02.9	02.5	285
.15 A.G.L.	28	05.1	04.9	271	30	08.0	07.5	280	26	07.7	07.0	282	31	07.8	07.3	265	29	06.9	06.3	278	30	07.4	07.3	286
.3A.M.S.L.	28	05.7	05.6	271	30	08.1	07.8	278	26	08.1	07.7	281	31	08.4	08.0	269	29	07.7	07.2	279				
.6 ,,	28	08.1	07.9	275	30	10.7	10.3	279	26	10.3	09.9	281	30	09.5	09.2	275	29	09.8	09.4	285	30	08.2	07.9	291
.9 ,,	27	09.1	09.0	278	28	12.1	11.8	285	26	11.5	11.2	287	30	11.3	10.0	279	26	11.6	11.3	287	30	09.7	09.3	292
1.5 ,,	17	09.6	09.5	282	20	12.3	12.0	292	18	11.0	10.9	290	30	11.9	10.7	283	24	12.1	11.9	293	30	09.4	08.4	291
2.1 ,,	08	09.5	09.4	286	11	12.8	12.7	292	12	10.3	10.2	287	30	10.8	10.6	285	17	11.4	11.2	291	30	08.2	07.4	290
3.0 ,,	02	09.0	09.0	282	05	11.8	11.6	274	04	08.0	07.9	278	30	09.2	09.0	279	06	07.5	07.4	281	30	05.9	04.9	297
3.6 ,,	01	06.0	06.0	315	01	15.0	15.0	260	03	07.0	06.9	283	29	08.0	07.6	278	01	07.0	07.0	260	29	05.6	04.1	315
4.5 ,,	01	06.0	06.0	305					02	05.5	05.5	279	27	06.7	06.1	276					29	05.0	02.8	347
5.4 ,,													27	06.2	04.9	273					29	05.1	02.0	358
6.0 ,,													25	06.0	04.1	255					29	05.7	03.1	131
7.2 ,,													25	04.5	00.9	238					29	05.8	04.0	084
9.0 ,,													25	07.4	05.3	091					28	07.8	07.2	098

STATION	NAGPUR/SONEGAON												NEW DELHI/SAFDARJUNG											
TIME IN I.S.T.	1130				1730*				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	03.7	03.3	277	31	03.5	03.0	290	31	02.3	01.6	265	31	01.4	00.1	043	31	02.6	00.2	117	31	01.5	00.4	076
.15 A.G.L.	29	07.3	06.9	282	31	06.9	06.3	292	29	06.5	05.7	278	31	05.0	00.8	066	26	04.4	00.8	120	31	04.0	01.3	068
.3A.M.S.L.													31	03.4	00.3	342	26	03.9	00.8	113	31	03.0	00.9	066
.6 ,,	29	07.9	07.3	282	31	07.2	06.6	286	29	07.8	07.2	283	31	05.2	00.6	067	26	04.8	00.3	067	31	04.1	01.3	063
.9 ,,	29	08.2	07.9	284	31	07.7	07.0	290	29	09.2	08.6	285	31	06.0	00.6	042	24	05.6	01.3	091	31	04.8	01.3	058
1.5 ,,	17	09.2	08.4	287	31	08.5	07.8	288	26	10.3	09.5	282	31	05.9	01.2	045	16	06.4	01.6	065	31	05.7	01.4	042
2.1 ,,	09	11.5	10.1	292	31	07.8	06.7	290	19	10.0	09.2	288	31	06.1	01.8	045	06	06.8	02.6	059	31	05.8	01.6	019
3.0 ,,	01	15.0	15.0	335	31	07.7	06.7	289	09	10.2	08.9	281	31	05.5	02.1	054					31	05.6	02.2	024
3.6 ,,	01	15.0	15.0	315	31	05.9	05.1	298	01	02.0	02.0	301	31	05.0	02.2	055					31	05.3	02.2	018
4.5 ,,	01	21.0	21.0	290	31	04.9	03.6	313					31	04.6	01.9	047					31	04.6	01.5	040
5.4 ,,					31	04.6	01.6	336					30	04.8	02.7	055					31	05.1	01.5	034
6.0 ,,					31	04.3	01.8	001					29	04.8	02.5	055					31	04.9	01.1	018
7.2 ,,					31	05.2	02.9	065					29	05.0	01.8	092					30	04.6	01.1	061
9.0 ,,					31	07.4	06.5	082					27	05.0	01.1	113					29	05.1	01.7	096

STATION	NEW DELHI/SAFDARJUNG				POONA												PORT BLAIR							
TIME IN I.S.T.	2330				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.9	00.2	088	31	01.1	01.1	258	31	02.2	02.1	261	31	01.3	01.2	260	31	07.9	07.6	223	31	07.0	07.0	226
.15 A.G.L.	30	04.6	01.0	139	30	06.8	06.7	253	31	07.6	07.5	257	29	06.7	06.6	250	29	11.4	11.2	227	28	10.3	10.2	233
.3A.M.S.L.	30	03.9	00.8	112													29	11.5	11.2	227	28	11.6	11.4	235
.6 ,,	30	05.2	01.4	136	30	03.3	03.2	258	31	04.5	04.3	264	29	03.2	03.1	261	29	13.8	13.6	234	27	14.7	14.2	238
.9 ,,	29	05.9	01.0	131	30	09.1	09.0	252	31	08.9	08.8	256	29	08.6	08.5	251	29	14.7	14.6	238	22	15.0	14.9	242
1.5 ,,	25	05.2	00.7	039	13	13.2	13.0	259	17	13.2	13.0	256	18	13.4	13.2	251	28	15.4	15.1	245	06	13.7	13.5	249
2.1 ,,	24	05.6	01.5	024	03	13.7	13.7	265	03	11.0	11.0	265	05	12.4	12.3	262	28	13.5	13.2	251	03	12.7	12.7	255
3.0 ,,	19	04.6	02.3	074					01	06.0	06.0	281	01	06.0	06.0	279	28	12.7	12.4	254				
3.6 ,,	08	04.3	02.2	055													28	10.9	10.5	259				
4.5 ,,	01	03.0	03.0	015													28	10.4	10.0	256				
5.4 ,,																	27	08.9	08.1	256				
6.0 ,,																	27	08.2	05.9	249				
[illegible] ,,																	27	05.2	02.1	152				
9.0 ,,																	26	10.3	09.0	069				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

AUGUST,1967.(SRAVANA 10 - BHADRA 9,1889 SAKA)

STATION	PORT BLAIR								RAIPUR												RAXAUL			
TIME IN I.S.T.	1730*				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	07.9	07.8	223	31	05.5	05.4	230	31	02.0	01.7	257	31	02.1	01.9	260	31	02.1	01.9	242	31	01.9	01.7	084
.15 A.G.L.	31	11.6	11.5	230	31	09.8	09.7	236	20	07.9	07.5	248	26	07.1	06.3	257	22	07.9	07.6	242	26	05.7	05.2	093
.3A.M.S.L.	31	11.8	11.7	229	31	10.7	10.6	236													26	05.7	05.6	099
.6 ,,	31	14.0	13.9	235	30	15.0	14.6	240	20	10.0	09.1	266	26	08.2	07.5	263	22	09.3	08.9	254	26	07.0	07.0	110
.9 ,,	30	14.9	14.7	238	25	14.0	13.9	245	19	10.4	09.0	280	25	09.1	08.4	274	21	09.8	09.1	265	25	07.5	07.0	109
1.5 ,,	30	14.3	14.3	246	19	12.5	12.3	251	16	10.6	09.7	290	23	08.8	07.5	283	20	10.0	08.9	278	24	08.9	08.2	104
2.1 ,,	30	13.1	12.9	251	15	10.7	10.5	254	12	09.7	08.6	290	16	08.9	06.9	296	17	09.0	08.2	284	15	08.7	08.1	102
3.0 ,,	30	12.7	12.4	256	06	10.1	09.9	266	04	06.0	03.7	332	11	07.1	03.8	309	07	07.3	06.1	273	07	05.2	04.5	105
3.6 ,,	30	11.2	10.7	257					02	05.0	03.9	352	09	07.0	02.7	318	03	09.0	07.4	298	05	05.4	05.0	121
4.5 ,,	30	09.2	08.5	254					01	02.0	02.0	291	05	06.4	03.7	050					05	03.8	03.7	122
5.4 ,,	30	08.8	07.8	257					01	02.0	02.0	060	05	06.4	03.8	044					04	02.8	02.7	137
6.0 ,,	29	07.7	05.8	253					01	03.0	03.0	057	04	04.3	02.1	061					04	02.2	01.9	139
7.2 ,,	29	06.4	02.5	270									02	05.0	03.2	086					03	03.3	03.3	129
9.0 ,,	28	08.8	07.1	061									01	03.0	03.0	124					03	06.0	05.6	056

STATION	RAXAUL				SRINAGAR								TIRUCHCHIRAPPALLI											
TIME IN I.S.T.	1730				0530*				1730*				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.1	01.6	105	25	00.4	00.4	141	23	00.4	00.2	124	31	05.9	05.9	271	31	07.5	06.1	261	31	05.3	04.7	264
.15 A.G.L.	29	04.9	03.9	096	25	02.4	01.5	126	23	02.4	00.1	325	31	10.1	10.0	276	31	09.9	08.1	265	29	08.6	08.0	263
.3A.M.S.L.	29	04.9	04.1	111									31	11.0	10.9	274	31	09.9	08.7	265	29	09.4	08.8	264
.6 ,,	28	05.3	04.9	106									31	15.8	15.7	274	31	09.8	09.3	266	29	11.7	11.3	269
.9 ,,	27	06.8	06.5	111									31	15.0	14.8	276	31	10.0	09.7	267	29	12.1	11.8	270
1.5 ,,	27	08.7	08.4	112									31	11.9	11.4	270	30	11.4	11.2	266	28	10.6	10.4	273
2.1 ,,	23	09.2	08.9	112	25	02.3	00.8	041	23	02.6	00.1	327	31	10.4	09.9	275	28	12.0	11.7	266	26	09.6	09.3	280
3.0 ,,	10	07.2	06.9	120	25	02.2	01.0	310	23	02.0	00.1	286	27	07.3	06.9	282	19	11.2	11.1	275	18	07.7	07.3	275
3.6 ,,	05	06.0	05.1	135	25	02.0	00.5	261	23	02.6	01.5	300	24	07.7	07.3	270	11	10.6	10.3	275	10	08.6	08.4	270
4.5 ,,	02	03.0	02.2	110	25	03.2	00.7	195	23	02.4	01.1	189	16	07.3	07.1	267	09	08.3	07.9	280	03	05.7	05.3	251
5.4 ,,	01	04.0	04.0	101	25	04.2	01.8	207	22	03.7	01.1	265	15	08.1	07.5	262	04	07.0	06.7	265				
6.0 ,,	01	02.0	02.0	056	25	05.3	03.2	246	22	05.4	02.4	260	11	06.3	05.9	270	04	05.3	04.5	256				
7.2 ,,					25	09.5	08.3	261	21	09.1	08.0	269	05	03.6	02.0	244	03	04.3	03.4	076				
9.0 ,,					23	12.1	10.9	259	19	13.0	11.7	275					03	07.3	06.7	093				

STATION	TRIVANDRUM																UDAIPUR							
TIME IN I.S.T.	0530*				1130				1730*				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	05.0	04.8	315	31	03.5	03.0	313	31	05.0	04.9	302	31	03.0	02.7	322	31	00.4	00.4	263	31	01.0	00.9	263
.15 A.G.L.	31	09.1	08.9	315	30	05.8	05.3	309	31	07.9	07.4	303	27	07.8	07.4	319	28	04.2	03.2	253	30	04.8	04.0	255
.3A.M.S.L.	31	09.1	08.8	315	30	06.3	05.7	310	31	08.2	06.9	275	27	08.9	08.4	319								
.6 ,,	31	09.6	09.3	311	30	08.5	07.9	306	31	10.2	09.8	300	27	11.0	10.5	316								
.9 ,,	31	10.1	09.9	305	26	11.5	10.6	307	31	11.1	10.7	300	26	12.4	12.2	314	28	05.6	04.6	262	30	05.0	04.1	254
1.5 ,,	31	11.5	11.4	300	08	14.9	14.6	298	31	11.5	11.5	300	24	12.4	11.8	305	17	06.4	04.2	080	27	06.0	04.9	261
2.1 ,,	31	12.0	11.9	294	04	13.0	12.4	310	31	11.1	10.8	293	11	11.5	11.3	305	10	03.9	01.8	025	21	04.6	03.0	265
3.0 ,,	31	10.9	10.7	287	01	06.0	06.0	280	31	09.8	09.0	283	04	08.5	06.2	308	06	03.2	02.6	055	13	05.2	02.8	267
3.6 ,,	31	09.3	08.8	282	01	06.0	06.0	260	31	08.7	08.1	272					05	03.8	03.5	040	08	05.3	01.9	321
4.5 ,,	31	07.5	07.0	273	01	08.0	08.0	250	31	08.1	07.3	272					05	04.0	01.4	046	08	05.1	01.2	005
5.4 ,,	31	05.7	04.4	261	01	03.0	02.0	235	31	06.6	06.0	275					05	03.8	02.2	045	05	04.2	02.9	036
6.0 ,,	31	04.7	03.4	260	01	02.0	02.0	205	31	05.4	04.0	280					04	04.3	03.8	050	02	07.0	06.4	040
7.2 ,,	31	04.6	00.5	010					31	04.6	01.5	294					02	03.0	01.8	042				
9.0 ,,	31	07.1	05.3	075					31	07.3	05.1	077					01	05.0	05.0	360				

STATION	UDAIPUR								VLNGURLA								VERAVAL							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.4	00.4	220	31	02.4	02.3	261	31	02.1	01.9	264	31	01.7	01.6	250	31	08.5	07.9	246	31	08.2	07.6	249
.15 A.G.L.	30	03.2	02.8	237	30	06.4	06.3	260	31	07.0	06.7	264	29	05.5	05.3	259	31	08.4	08.2	244	31	09.0	08.8	243
.3A.M.S.L.					30	07.4	07.2	261	31	08.5	08.2	265	29	06.3	06.1	261	31	08.6	08.4	248	31	09.1	09.0	246
.6 ,,					30	08.5	08.2	263	31	10.4	10.1	267	29	07.8	07.6	263	29	09.2	08.9	249	29	09.8	09.7	250
.9 ,,	30	04.5	03.9	247	11	09.8	09.7	266	24	11.9	11.7	269	17	09.1	08.9	270	25	08.8	08.6	249	24	09.8	09.7	251
1.5 ,,	26	06.0	04.7	255	02	08.0	08.0	248	04	13.0	13.0	271	05	08.4	08.1	262	09	06.3	06.1	253	12	08.4	08.2	247
2.1 ,,	19	04.0	01.0	269					01	17.0	17.0	280	02	08.5	07.7	258	03	03.7	02.1	270	03	05.7	04.4	254
3.0 ,,	09	05.1	00.2	175									01	11.0	11.0	270	02	02.5	00.9	142	02	03.0	02.7	195
3.6 ,,	07	04.8	03.8	021																	02	05.5	03.6	232
4.5 ,,	02	03.5	02.3	016																	02	03.5	03.5	265
5.4 ,,	01	03.0	03.0	231																	01	01.0	01.0	135
6.0 ,,	01	03.0	03.0	329																	01	02.0	02.0	130
7.2 ,,																								
9.0 ,,																								

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

AUGUST,1967.(SRAVANA 10 - BHADRA 9,1889 SAKA)

STATION	VERAVAL				VIJAYWADA/GANNAVARAM												VISHAKHAPATNAM							
TIME IN I.S.T.	2330				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	08.3	07.8	236	31	04.3	04.2	271	31	04.5	03.8	283	31	02.3	01.8	216	30	05.3	04.9	276	31	03.2	02.6	236
.15 A.G.L.	31	07.8	07.7	238	27	08.8	08.5	266	29	06.8	06.3	285	29	06.6	05.2	228	30	08.8	08.3	274	30	06.4	05.8	240
.3A.M.S.L.	31	08.0	07.8	241	27	10.9	10.6	277	29	08.0	07.4	290	29	07.6	06.2	238	30	09.1	08.5	274	30	06.8	06.5	244
.6 ,,	30	08.4	08.2	246	27	13.4	13.2	277	29	09.3	08.9	285	29	08.3	07.3	252	30	11.1	10.3	260	30	07.9	07.6	264
.9 ,,	25	08.2	07.9	245	27	14.9	14.8	282	29	10.2	09.9	281	29	09.3	08.7	264	30	10.9	09.9	264	30	08.6	08.3	274
1.5 ,,	14	06.0	05.7	242	25	14.7	14.6	289	29	12.4	12.1	282	29	11.4	11.0	276	29	12.0	10.7	279	29	09.9	09.3	284
2.1 ,,	08	05.0	03.3	244	24	13.2	12.9	283	29	13.1	12.7	282	29	12.7	12.4	282	28	12.1	11.3	288	27	09.9	08.9	276
3.0 ,,	06	05.0	02.6	271	21	12.2	11.8	274	28	13.2	12.9	276	29	12.0	11.5	288	26	10.0	09.4	294	19	09.2	08.1	272
3.6 ,,	04	05.3	01.9	319	16	11.0	10.5	279	25	13.2	12.9	273	14	10.3	10.2	288	25	08.1	07.3	291	15	09.0	07.8	274
4.5 ,,	02	04.0	01.1	268	09	09.1	08.6	273	16	11.5	11.4	273	05	07.6	07.6	285	24	07.1	05.9	283	11	08.5	06.7	273
5.4 ,,					08	07.9	07.1	267	13	09.0	08.8	275	01	03.0	03.0	265	23	06.7	04.6	293	06	08.7	07.2	284
6.0 ,,					07	08.3	07.8	267	12	08.6	08.3	280					23	04.7	01.8	323	04	07.3	05.7	285
7.2 ,,					03	05.0	04.9	247	06	04.7	04.0	290					22	04.7	00.7	036	02	06.0	03.3	261
9.0 ,,					02	05.5	01.7	085									22	09.5	07.1	087				

STATION	VISHAKHAPATNAM							
TIME IN I.S.T.	1730*				2330			
HT IN KM.	N	S	V	D	N	S	V	D
SURFACE	31	05.1	04.5	273	31	02.5	02.3	260
.15 A.G.L.	30	07.6	06.8	272	30	07.0	06.9	251
.3A.M.S.L.	30	08.3	07.8	266	30	08.0	07.8	250
.6 ,,	30	08.7	08.3	261	30	08.6	08.5	256
.9 ,,	30	09.3	09.0	273	30	08.5	08.1	261
1.5 ,,	30	10.2	08.8	281	26	09.3	08.9	282
2.1 ,,	29	10.4	09.7	279	22	09.6	09.3	282
3.0 ,,	29	08.8	08.2	277	15	08.1	07.7	277
3.6 ,,	28	09.2	08.1	281	05	05.4	05.3	287
4.5 ,,	27	07.0	06.2	276				
5.4 ,,	26	06.1	05.2	269				
6.0 ,,	26	05.1	03.0	285				
7.2 ,,	26	05.0	01.4	345				
9.0 ,,	24	08.0	04.8	074				

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

AUGUST,1967.(SRAVANA 10 - BHADRA 9,1889 SAKA)

STATION	AHMADABAD								ALLAHABAD/BAMHRAULI								BANGALORE				BAREILLY			
TIME IN I.S.T.	0530*				1730*				0530				1730				1730●				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	09	11.8	11.2	092	07	10.8	10.1	071	01	11.0	11.0	095	01	02.0	02.0	100	04	15.3	14.7	103	01	01.0	01.0	024
12.0	04	14.7	14.6	092	07	10.8	09.5	080									02	20.0	20.0	078	01	05.0	05.0	015
14.1	04	24.3	23.5	067	06	23.8	21.2	108									01	34.0	34.0	090				
16.2	01	16.0	16.0	085	01	19.0	19.0	090									01	21.0	21.0	087				
18.0	01	16.0	16.0	080													01	19.0	19.0	096				
21.0	01	14.0	14.0	075													01	11.0	11.0	062				
24.0	01	20.0	20.0	085																				
27.0	01	28.0	28.0	090																				
30.0																								
33.0																								

STATION	BEGAMPET								BOMBAY/SANTACRUZ								CALCUTTA/ DUM DUM							
TIME IN I.S.T.	0530				1730				0530*				1730*				0530*				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	31	10.5	09.9	279	31	10.3	09.2	082	25	15.3	12.1	092	27	12.0	11.6	091	30	11.2	10.3	098	30	10.2	09.2	085
12.0	31	16.5	16.1	277	31	16.8	16.2	085	25	18.6	18.0	092	27	20.0	19.8	093	30	13.8	12.6	091	30	11.6	10.9	081
14.1	30	27.0	26.8	282	31	26.1	25.7	084	24	26.2	26.0	092	22	27.7	27.5	091	30	18.1	17.6	087	30	14.5	13.9	073
16.2	30	32.2	31.8	275	30	31.7	31.4	088	20	29.2	28.9	093	21	33.2	32.9	093	28	19.7	19.1	081	27	21.9	21.0	077
18.0	29	22.6	22.2	090	30	22.9	22.6	085	10	22.0	21.6	087	14	25.1	24.8	089	22	23.2	23.1	093	19	20.3	19.7	089
21.0	23	18.8	17.9	090	23	23.0	22.4	096	03	23.0	23.0	092	03	18.0	14.7	112	08	20.6	20.3	085	06	18.0	17.8	093
24.0	07	23.3	22.9	081	09	18.3	18.1	091									01	22.0	22.0	090	01	31.0	31.0	075
27.0					03	18.3	17.9	094																
30.0																								
33.0																								

STATION	DEHRADUN								DIBRUGARH/MOHANBARI								GANGTOK				GAUHATI			
TIME IN I.S.T.	0530				1730				0530				1730				0530				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	02	08.0	03.4	187	01	15.0	15.0	256	02	06.5	06.3	140	03	08.0	05.4	113	05	08.8	08.4	077	22	07.5	05.7	079
12.0	02	06.0	03.1	159					02	08.0	08.0	156	02	11.0	11.0	125	04	13.5	11.6	088	21	10.2	08.1	065
14.1	02	03.5	02.1	090					01	24.0	24.0	141					04	11.7	08.0	091	16	14.8	13.5	063
16.2									01	27.0	27.0	150					03	17.7	16.7	091	13	17.8	16.4	072
18.0																					05	17.6	17.6	082
21.0																					01	21.0	21.0	075
24.0																								
27.0																								
30.0																								
33.0																								

STATION	GAUHATI								GAYA				GWALIOR								IMPHAL/TULIHAL			
TIME IN I.S.T.	1130				1730*				1730				0530				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	01	13.0	13.0	090	23	08.9	07.6	067	01	08.0	08.0	128	01	03.0	03.0	026	01	04.0	04.0	350	02	06.5	06.4	076
12.0	01	12.0	12.0	089	21	10.6	09.4	069					01	06.0	06.0	045	01	07.0	07.0	050	01	10.0	10.0	090
14.1					17	15.1	13.5	071									01	05.0	05.0	050	01	07.0	07.0	150
16.2					07	14.6	14.1	081									01	10.0	10.0	070	01	13.0	13.0	120
18.0					01	09.0	09.0	070									01	16.0	16.0	090				
21.0																								
24.0																								
27.0																								
30.0																								
33.0																								

STATION	JHARSUGUDA				JODHPUR								LUCKNOW/AMAUSI								MADRAS/MINAMBAKKAM			
TIME IN I.S.T.	0530				0530*				1730*				0530*				1730*				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	02	14.5	14.3	087	20	07.2	04.7	106	20	05.1	03.0	090	15	10.0	09.9	098	18	08.0	06.9	087	25	15.6	14.8	094
12.0	02	20.0	10.7	089	18	08.5	06.2	103	13	08.7	07.7	120	15	11.5	10.3	083	16	11.3	08.2	083	22	24.3	24.1	084
14.1	02	17.0	16.9	173	14	14.2	13.5	100	10	15.6	14.4	103	13	14.7	09.0	085	13	10.6	07.9	067	12	34.6	34.2	082
16.2					14	15.9	14.3	097	10	19.9	17.0	095	10	16.1	14.7	091	06	14.3	13.8	074	08	32.1	31.9	087
18.0					07	17.4	16.7	093	09	17.8	17.0	102	06	17.3	16.7	086	03	17.3	16.9	093	02	21.0	21.0	110
21.0					03	19.0	18.8	107	03	17.3	16.9	097	03	17.3	17.2	079	03	18.0	16.2	094				
24.0					02	20.5	19.9	104	01	14.0	14.0	105	01	18.0	17.5	052								
27.0					02	23.5	23.3	088					01	22.0	22.0	080								
30.0																								
33.0																								

STATION	MADRAS/MINAMBAKKAM								MINICOY				NAGPUR/SONEGAON								NEW DELHI/SAFDARJUNG			
TIME IN I.S.T.	1130				1730*				1730*				0530*				1730*				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	01	09.0	09.0	085	29	14.0	13.1	098	23	14.0	12.9	087	28	11.5	10.8	085	30	10.7	09.9	087	27	05.4	01.3	128
12.0	01	20.0	20.0	085	27	21.3	20.9	090	23	23.4	23.0	082	28	16.7	16.1	085	30	13.7	11.8	087	26	06.2	02.6	125
14.1					16	33.8	33.4	090	20	38.7	38.4	082	25	23.3	22.6	079	26	19.5	18.7	081	24	08.0	02.9	093
16.2					11	31.3	30.9	095	19	29.8	28.8	084	19	25.6	25.2	088	22	22.5	22.1	080	22	10.7	08.6	074
18.0					02	14.0	13.9	102	16	11.3	10.5	080	11	22.6	21.6	084	11	25.2	24.5	090	13	15.9	01.5	079
21.0									10	13.1	12.3	087	07	19.9	17.4	085	06	27.8	27.2	081				
24.0									02	11.5	11.5	111	01	11.0	11.0	045	01	23.0	23.0	090				
27.0																								
30.0																								
33.0																								

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

AUGUST,1967.(SRAVANA 10 - BHADRA 9,1889 SAKA)

STATION	NEW DELHI/SAFDARJUNG				PORT BLAIR								RAIPUR				RAXAUL				SRINAGAR			
TIME IN I.S.T.	1730*				0530*				1730*				1730				0530				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	27	06.6	01.4	134	26	17.4	16.2	062	28	16.7	16.7	066	01	09.0	09.0	090	03	09.3	08.7	066	23	15.5	02.2	058
12.0	27	06.4	02.4	119	25	23.4	22.5	062	27	21.4	21.3	060					03	12.3	11.4	083	20	16.3	14.5	280
14.1	27	08.3	04.0	080	21	33.7	33.3	074	20	29.8	29.2	069					02	08.0	06.8	088	11	16.5	14.5	292
16.2	25	11.0	09.6	079	18	28.6	28.4	080	16	31.0	30.6	078					02	17.0	11.5	069	04	12.0	10.6	303
18.0	22	13.5	13.2	094	10	18.5	17.2	076	10	18.2	16.9	077									02	07.0	00.6	090
21.0	13	15.4	15.2	089	08	18.2	18.1	083	04	16.2	15.6	088									01	06.0	06.0	087
24.0	05	17.2	17.2	094	02	18.0	18.0	085	01	13.0	13.0	085									01	10.0	10.0	070
27.0	01	25.0	25.0	090																				
30.0																								
33.0																								

STATION	SRINAGAR				TRIVANDRUM								VIJAYWADA/GANNAVARAM				VISHAKHAPATNAM							
TIME IN I.S.T.	1730*				0530*				1730*				0530				0530*				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	19	14.6	11.8	278	31	11.7	10.4	082	31	15.3	13.8	091	02	04.0	04.0	106	22	12.5	12.1	088	23	11.7	10.5	088
12.0	18	15.5	13.9	280	31	16.2	15.6	085	31	25.2	24.8	084	01	14.0	14.0	095	21	16.4	17.5	089	23	19.6	18.7	078
14.1	10	15.9	15.2	282	24	20.8	19.7	090	23	36.1	36.0	078					18	24.9	24.0	081	20	25.3	24.5	075
16.2	01	11.0	11.0	300	18	21.2	20.0	092	17	26.2	25.3	082					12	27.2	27.0	087	13	28.2	28.1	083
18.0					04	17.5	16.9	067	09	10.0	08.8	080					03	19.0	18.7	109	03	15.0	14.7	094
21.0									01	12.0	12.0	090					01	15.0	15.0	075	01	13.0	13.0	100
24.0																					01	17.0	17.0	079
27.0																								
30.0																								
33.0																								

RADIOSONDE DATA

During the month, observations of upper air temperature, pressure and humidity were made at 16 stations in India as given in the list below. For detailed description of the instruments used, a reference may be made to the I.M.D. Scientific Notes Nos. 112 and 113 (Volume IX)

List of Radiosonde Stations in India

Name of Station	Type of instrument used	Date of Starting	Hours of routine observations in GMT during the month	Remarks
Ahmadabad	Fan type	20th Jul. 1961	00 and 12	
Allahabad/Bambrauli	Clock type	1st Oct. 1944	00 and 12	
Bangalore	Fan type	10th Mar. 1961	00 and 12	
Bombay/Santacruz	Clock type	7th Sep. 1954	00 and 12	
Calcutta/Dum Dum	Clock-type	13th Dec. 1946	00 and 12	Fan type used from 13.12.46 to 30.11.47.
Ernakulam	Fan type	1st Aug. 1966	00 and 12	
Gauhati	Clock type	22nd Jul. 1955	00 and 12	
Jodhpur	Clock type	17th Apr. 1946	00 and 12	
Lucknow/Amausi	Clock type	15th Aug. 1966	00 and 12	
Madras/Mihambakkam	Fan type	29th Jun. 1946	00 and 12	
Minicoy	Fan type	12th May. 1963	12	
Nagpur/Sonegaon	Fan type	1st Oct. 1946	00 and 12	
New Delhi/Safdarjung	Clock type	3rd Dec. 1943	00 and 12	
Port Blair	Fan type	4th Dec. 1949	00 and 12	
Srinagar	Clock type	1st Aug. 1962	00 and 12	
Trivandrum	Fan type	1st Jul. 1947	00 and 12	
Vishakhapatnam	Fan type	8th Dec. 1946	00 and 12	

RADIO SONDE DATA

TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE FROM ASCENTS AT 00 HRS G.M.T.

AUGUST, 1967. (SRAVANA 10 - BHADRA 9, 1889 SAKA)

STANDARD PRESSURE SURFACE MB	AHMADABAD SURFACE PR (995 MB)						BANGALORE (908 MB)						BOMBAY/SANTACRUZ (1002 MB)					
	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00055	298.7	300	298	296.8	31	00921	292.7	293	292	291.7	31	00013	299.2	300	298	297.0
1000	31	00010					31	00081					31	00034	299.2	301	298	297.0
900	31	00934	293.9	296	291	291.4	31	00990	292.2	294	291	291.3	30	00960	294.3	297	291	291.9
850	31	01429	291.3	294	289	289.3	31	01486	290.3	295	287	288.5	30	01457	291.9	294	288	289.1
800	31	01947	289.2	292	287	286.8	31	02004	288.5	293	283	285.6	30	01976	288.9	292	286	286.2
700	31	03078	285.7	289	282	280.2	31	03129	283.5	286	279	279.4	30	03105	285.0	290	281	279.7
600	31	04361	279.9	289	276	269.8	31	04398	276.3	279	273	273.2	30	04383	278.4	282	275	273.9
500	30	05837	271.3	276	268	269.4	31	05838	268.4	275	265		30	05853	270.6	275	266	
400	28	07583	261.5	267	257		31	07578	258.2	261	255		30	07593	260.7	264	255	
300	27	09735	248.3	255	244		31	09696	242.8	246	236		29	09734	246.6	253	240	
250	26	11041	239.0	246	236		31	10974	232.3	239	230		28	11032	237.8	244	231	
200	24	12570	227.1	234	220		31	12464	222.0	231	215		28	12553	225.7	232	219	
175	23	13452	220.4	228	214		30	13420	215.9	226	210		27	13424	218.8	227	209	
150	22	14424	212.9	217	207		30	14289	209.7	219	203		27	14400	212.4	220	203	
125	19	15538	205.8	212	199		29	15356	202.4	214	196		24	15503	205.2	215	197	
100	17	16865	199.8	206	191		27	16700	195.0	211	192		24	16832	199.8	208	192	
80	11	18223	203.0	211	197		26	18037	203.3	214	194		18	18157	204.2	213	193	
70	09	19009	205.4	215	197		22	18812	205.7	218	194		16	18967	208.0	216	198	
60	09	19922	210.4	215	202		22	19755	209.5	221	202		15	19857	212.0	220	204	
50	07	21118	214.6	222	205		22	20872	211.5	222	202		10	21041	216.1	225	209	
40	05	22532	219.2	227	216		18	22182	214.6	221	204							
30							09	24042	218.2	223	207							
20																		
10																		

STANDARD PRESSURE SURFACE MB	CALCUTTA/DUM DUM SURFACE PR (998 MB)						ERNAKULAM (1009 MB)						GAUHATI (995 MB)					
	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00006	299.5	301	298	298.7	31	00003	297.5	299	295	296.3	31	00049	299.3	301	298	297.9
1000	31	-0013	299.9	301	299	298.9	31	00078	297.3	299	295	295.8	31	00009				
900	31	00916	295.3	298	294	293.6	31	00997	292.5	294	289	289.9	26	00936	296.9	299	293	294.4
850	31	01413	292.8	295	290	290.4	31	01489	290.0	291	288	287.3	26	01433	294.5	297	291	291.4
800	31	01935	290.2	293	287	288.1	31	02005	287.3	289	285	284.4	26	01956	291.7	295	289	289.0
700	31	03069	285.0	287	282	283.0	31	03125	282.1	285	279	277.5	26	03090	285.5	289	283	283.0
600	31	04350	278.9	282	276	275.9	31	04388	275.1	279	273	272.0	26	04371	279.3	282	277	276.0
500	31	05827	270.9	273	269	268.0	30	05840	267.2	271	265		25	05848	272.0	275	269	267.5
400	30	07571	261.4	264	259		30	07553	256.4	263	252		25	07598	262.5	269	259	
300	30	09720	247.8	251	243		30	09656	241.4	248	237		23	09752	249.0	253	245	
250	30	11022	238.6	243	235		30	10923	232.1	239	228		22	11063	240.2	245	235	
200	30	12545	227.0	235	217		29	12397	219.4	225	215		22	12598	229.0	235	224	
175	30	13420	220.5	230	216		29	13240	213.7	217	208		21	13491	222.6	229	215	
150	30	14403	213.2	221	203		29	14204	207.4	212	201		19	14477	216.3	220	211	
125	28	15511	205.5	214	198		29	15272	200.6	207	193		19	15612	208.8	217	204	
100	28	16839	198.6	205	192		28	16602	198.5	207	194		19	16959	203.5	210	195	
80	26	18146	199.5	208	191		22	17899	203.5	215	197		17	18293	205.2	213	197	
70	24	18931	203.8	213	194		19	18698	206.1	213	199		16	19103	208.4	214	202	
60	22	19876	207.4	212	195		17	19643	208.6	214	203		11	20048	212.5	223	205	
50	19	20999	211.2	222	203		16	20767	211.9	216	208		07	21178	215.1	229	208	
40	08	22357	211.7	215	209		13	22122	214.5	219	211							
30	05	24188	215.8	218	213		09	23969	219.0	225	213							
20																		
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STANDARD PRESSURE SURFACE MB	JODHPUR SURFACE PR (972 MB)						LUCKNOW/AMAUSI (984 MB)						MADRAS/MINAMBAKKAM (1004 MB)					
	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00217	299.6	301	293	297.0	31	00127	300.0	301	298	298.8	31	00015	298.7	301	296	296.0
1000	31	-0034					31	-0016					31	00046	298.7	301	297	296.0
900	29	00889	295.7	299	293	292.8	21	00911	295.9	301	293	294.3	31	00968	295.5	301	292	290.8
850	29	01385	293.6	297	291	290.4	21	01408	293.6	294	289	291.9	31	01465	292.8	296	290	288.2
800	29	01909	291.0	293	289	287.9	21	01932	291.3	298	288	289.3	31	01984	290.0	299	287	284.8
700	29	03040	286.2	289	283	281.3	21	03067	285.4	288	282	283.1	31	03103	282.5	285	279	280.0
600	29	04322	279.7	284	276	273.2	20	04347	280.0	282	276	276.3	31	04370	275.6	277	273	272.4
500	27	05794	271.5	276	268	265.0	20	05825	272.1	275	268		31	05826	268.0	272	263	
400	26	07526	263.1	272	259		19	07574	262.5	264	259		30	07548	257.7	263	254	
300	26	09707	249.0	254	244		17	09735	249.5	255	246		30	09666	243.5	258	238	
250	25	11020	239.8	246	235		17	11063	239.9	245	234		30	10963	234.6	242	228	
200	25	12546	227.7	236	223		17	12573	228.6	235	223		27	12436	223.3	230	219	
175	24	13503	220.9	230	215		16	13436	221.5	225	216		20	13284	216.9	223	204	
150	23	14396	213.5	222	206		14	14442	214.6	221	209		18	14255	210.2	215	207	
125	21	15513	205.2	213	194		14	15542	206.4	216	202		16	15343	204.3	209	200	
100	18	16812	198.4	204	192		13	16885	199.5	211	194		15	16676	200.2	208	191	
80	11	18133	200.6	214	195		08	18222	201.1	207	194		09	18011	205.8	215	199	
70	07	18950	204.0	216	196		06	18983	204.7	212	199		06	18761	209.7	216	204	
60							06	20922	208.2	217	202							
50																		
40																		
30																		
20																		
10																		

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT,TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
A) FROM ASCENTS AT 00 HRS G.M.T.
AUGUST,1967.(SRAVANA 10 - BHADRA 9.1889 SAKA)

STANDARD PRESSURE SURFACE MB	NAGPUR/SONEGAON SURFACE PR (966 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NEW DELHI/SAFDARJUNG (975 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	PORT BLAIR (998 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00311	297.2	299	295	295.4	31	00209	300.0	302	297	297.9	31	00079	298.6	300	296	297.1
1000	31	00009					31	-0018					28	00058				
900	31	00940	295.5	297	292	293.9	31	00912	296.8	299	293	294.0	28	00973	294.1	296	291	292.0
850	31	01433	292.7	295	289	292.1	31	01411	293.9	296	291	291.7	28	01464	291.7	294	289	288.6
800	31	01955	289.6	292	285	288.4	31	01935	291.1	293	288	288.6	28	01981	288.5	292	285	285.9
700	31	03085	284.2	287	280	283.4	31	03068	285.3	288	282	282.0	28	03098	282.8	287	278	279.4
600	31	04330	278.0	281	272	276.6	31	04348	279.0	282	275	275.0	28	04358	275.9	278	272	273.1
500	31	05835	271.0	277	267	272.4	29	05825	271.3	276	267		27	05811	267.8	271	263	
400	31	07577	261.5	267	257		29	07570	262.1	267	257		26	07529	257.9	263	254	
300	31	09724	247.4	253	243		27	09726	248.5	253	245		26	09633	242.8	248	238	
250	31	11027	239.0	246	233		27	10133	239.2	245	236		26	10906	234.9	246	227	
200	31	12485	227.1	233	221		27	12557	227.5	234	224		25	12401	222.7	228	217	
175	31	13410	221.5	227	215		27	13434	220.4	227	215		24	13267	216.3	226	210	
150	31	14404	214.7	222	207		26	14409	212.4	219	207		23	14224	209.8	216	201	
125	29	15521	209.4	217	202		25	15520	204.3	211	199		22	15335	203.5	209	197	
100	29	16896	205.5	213	197		22	16844	199.1	208	195		20	16655	201.9	210	191	
80	21	18311	210.3	217	202		16	18115	199.1	206	193		16	17999	206.3	216	194	
70	18	19081	212.7	220	203		15	18918	202.5	211	196		14	18819	209.7	219	196	
60	09	19991	215.1	221	211		14	19845	208.0	214	203		12	19795	212.4	222	199	
50	09	21133	219.1	225	215		12	21651	213.6	222	207		09	21567	214.5	221	203	
40							07	22431	220.0	230	214		06	22275	215.1	225	203	
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	SRINAGAR SURFACE PR (833 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	TRIVANDRUM (1002 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	VISHAKHAPATNAM (997 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	25	01588	292.0	296	288	290.0	31	00064	297.4	299	294	295.2	31	00041	299.9	301	298	297.3
1000	25	-0006					31	00076	297.3	299	294	295.1	30	00014				
900	25	00922					31	00997	293.1	297	291	290.6	28	00941	296.0	298	293	292.4
850	25	01413					31	01490	290.6	293	288	288.0	28	01439	293.3	296	288	289.8
800	25	01932	291.0	295	288	288.0	31	02008	288.0	291	284	284.8	28	01962	290.3	293	287	285.5
700	25	03061	285.0	289	281	283.0	31	03130	282.8	287	278	278.4	28	03093	284.4	287	281	281.7
600	25	04331	277.0	281	273	276.0	31	04396	275.8	279	271	272.1	28	04370	277.9	281	274	274.9
500	25	05793	270.0	275	263		31	05851	267.8	271	262		28	05841	270.7	273	267	
400	25	07540	261.0	265	256		31	07569	257.0	261	252		28	07581	260.9	265	257	
300	24	09691	248.0	253	240		31	09678	241.8	247	237		28	09724	246.7	251	239	
250	22	10994	239.0	243	232		30	10945	232.3	239	227		28	11025	238.3	243	232	
200	21	12533	230.0	234	224		30	12428	220.1	229	215		28	12547	225.3	233	219	
175	17	13440	224.0	229	220		26	13257	214.2	224	208		28	13406	220.0	229	212	
150	17	14437	217.0	223	213		25	14238	207.3	219	199		28	14403	214.1	224	205	
125	15	15592	210.0	217	206		21	15312	202.1	216	193		24	15513	207.7	218	200	
100	13	16937	205.0	213	199		19	16659	200.8	211	194		22	16883	202.3	213	193	
80	10	18310	206.0	212	199		13	17951	206.5	212	199		17	18223	206.0	219	193	
70	09	19145	211.0	217	203		10	18779	209.3	215	203		14	19031	209.0	220	197	
60	06	20095	215.0	221	207		08	19751	211.6	219	205		10	20004	211.7	218	207	
50							06	20829	214.5	224	208		07	21140	216.6	220	213	
40																		
30																		
20																		
10																		

RADIO SONDE DATA

TABLE VI-MEAN DYNAMIC HEIGHT,TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE

FROM ASCENTS AT 12 HRS G.M.T.

AUGUST,1967.(SRAVANA 10 - BHADRA 9,1889 SAKA)

STANDARD PRESSURE SURFACE	AHMADABAD SURFACE PR (994 MB)						BANGALORE (906 MB)						BOMBAY/SANTACRUZ (1002 MB)					
MB	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00055	303.6	307	299	298.5	31	00906	298.9	302	295	291.6	31	00013	300.6	302	297	297.5
1000	31	-0002					31	00053					29	00030	300.4	302	298	297.3
900	30	00932	296.5	299	294	292.8	31	00984	298.2	302	295	291.1	29	00958	294.8	297	293	291.5
850	30	01430	293.3	296	291	290.2	31	01484	294.0	297	291	289.7	29	01453	292.7	296	289	288.8
800	30	01952	290.3	293	287	287.7	31	02006	289.9	293	282	287.3	29	01975	289.2	293	287	286.4
700	30	03085	286.0	289	281	281.0	31	03132	283.6	287	279	280.9	29	03105	285.4	287	281	278.6
600	30	04368	279.8	284	275	273.8	31	04404	277.0	281	273	274.4	29	04384	278.8	282	273	273.1
500	30	05852	272.5	277	268	265.6	31	05867	269.5	273	265		29	05856	271.2	275	266	268.8
400	28	07601	262.9	267	258		31	07600	260.1	267	255		29	07601	261.4	265	258	
300	27	09765	249.1	253	241		31	09727	244.2	248	238		29	09752	247.5	253	243	
250	27	11074	240.0	246	234		31	11009	234.7	239	228		29	11052	238.2	244	233	
200	26	12608	228.3	235	222		31	12508	222.8	229	215		29	12573	226.3	231	221	
175	24	13447	220.9	228	213		28	13364	216.5	226	210		25	13442	220.4	225	215	
150	22	14463	213.7	222	202		27	14335	209.9	214	203		25	14424	214.1	218	208	
125	19	15622	206.6	215	194		27	15422	202.[illegible]	212	196		25	15541	207.0	213	201	
100	16	16916	199.4	212	190		27	16747	197.[illegible]	204	192		25	16900	201.0	207	191	
80	09	18238	202.1	207	194		25	18093	204.3	211	197		22	18205	204.0	215	191	
70	07	19051	205.1	210	194		24	18908	207.4	215	200		20	18984	206.7	218	194	
60	06	19997	209.8	214	201		19	19844	209.9	219	205		15	19970	211.0	220	198	
50	05	21090	212.8	219	204		16	21050	214.2	227	204		09	21118	215.4	229	203	
40							11	22345	215.6	223	211							
30																		
20																		
10																		

STANDARD PRESSURE SURFACE	CALCUTTA/DUM DUM SURFACE PR (996 MB)						ERNAKULAM (1008 MB)						GAUHATI (993 MB)					
MB	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00006	302.1	306	299	299.3	31	00003	300.3	302	296	297.3	31	00049	303.3	307	301	299.6
1000	31	-0028					31	00070	299.9	302	296	296.8	26	-0014				
900	31	00906	296.7	300	294	294.5	31	00961	293.0	295	291	290.6	26	00919	298.2	302	296	295.1
850	31	01406	294.0	298	291	291.8	31	01485	290.3	292	287	287.6	26	01418	295.4	299	294	292.2
800	31	01931	291.5	295	289	289.0	31	02002	287.4	290	285	284.3	26	01942	292.5	295	291	289.5
700	31	03069	286.5	290	283	283.1	31	03123	28[illegible]	285	279	279.0	26	03080	286.7	289	285	283.3
600	31	04355	279.5	282	277	276.9	31	04387	274.5	277	272	272.4	24	04361	280.1	282	277	276.4
500	31	05835	272.2	277	269	270.9	31	05840	267.3	271	264		24	05844	272.4	274	269	269.2
400	31	07588	262.2	267	260		31	07554	[illegible]	261	243		24	07597	262.6	267	259	
300	31	09745	248.6	253	245		31	09665	247.1	247	237		23	09759	249.6	259	244	
250	30	11052	239.2	245	235		31	10934	232.5	237	229		23	11068	239.9	247	232	
200	30	12579	227.1	231	223		31	12414	220.3	225	207		22	12602	228.8	238	218	
175	30	13452	220.0	226	215		30	13256	214.9	220	208		21	13485	222.0	227	218	
150	30	14433	212.0	215	205		30	14230	208.8	216	200		19	14488	214.6	218	209	
125	28	15534	203.7	210	193		29	15306	202.5	209	193		19	15612	207.1	211	203	
100	27	16848	197.4	205	191		26	16656	199.2	209	191		16	16922	200.7	205	195	
80	25	18135	199.2	205	191		26	17975	204.4	209	197		16	18239	201.5	208	197	
70	24	16922	202.6	209	190		25	18778	207.[illegible]	213	198		13	19040	206.8	217	201	
60	18	19838	205.8	214	198		22	19703	209.[illegible]	214	201		08	19943	210.2	218	203	
50	18	20949	210.2	218	202		19	20844	212.[illegible]	216	204		05	21103	216.2	223	213	
40	13	22320	213.8	220	206		14	22225	215.[illegible]	219	209							
30	07	24136	217.0	221	211		08	24012	219.4	222	211							
20																		
10																		

STANDARD PRESSURE SURFACE	JODHPUR SURFACE PR (971 MB)						LUCKNOW/AMAUSI (983 MB)						MADRAS/MINAMBAKKAM (1002 MB)					
MB	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00217	303.5	307	299	297.2	31	00127	302.6	306	300	298.8	31	00015	303.8	307	299	297.4
1000	31	-0044					31	-0030					31	00028	303.7	307	299	297.2
900	31	00888	301.9	302	295	293.0	25	00904	297.7	302	295	294.4	31	00959	296.8	301	293	292.3
850	31	01382	295.3	299	292	290.0	25	01403	294.7	299	292	291.7	31	01456	293.1	297	283	280.2
800	31	01939	292.1	295	290	287.3	25	01927	292.0	295	288	289.0	31	01977	289.4	292	285	286.4
700	31	03044	287.6	292	283	280.4	25	03063	286.9	290	281	282.8	31	03101	283.5	287	281	279.9
600	30	04332	280.4	284	276	273.9	24	04350	280.5	285	274	276.7	31	04369	276.3	280	273	273.4
500	29	05804	272.8	277	269	265.4	24	05831	273.2	279	268	270.4	31	05858	268.4	273	264	
400	27	07569	263.7	267	261		24	07592	263.8	271	258		30	07553	258.7	263	248	
300	24	09708	250.3	255	246		21	09757	251.4	257	243		30	09678	244.1	251	240	
250	22	11057	241.0	245	235		20	11090	240.8	249	235		28	10925	234.9	241	229	
200	15	12603	229.7	235	223		19	12612	229.8	236	225		28	12467	223.1	231	218	
175	15	13485	222.5	226	215		15	13524	223.0	230	217		19	13311	216.0	225	210	
150	14	14469	213.9	220	205		15	14515	215.6	223	207		19	14279	210.0	219	205	
125	14	15599	206.8	212	200		10	15685	207.2	211	197		15	15390	204.6	213	197	
100	13	16914	200.8	204	196		09	17121	200.9	207	192		13	16739	201.0	212	192	
80	13	18291	202.3	207	197		07	18351	200.4	207	197		08	18058	206.6	214	200	
70	11	19028	207.5	219	200		06	19139	200.8	205	191		07	18877	210.7	217	205	
60	09	19926	211.2	217	207								06	19834	216.0	218	204	
50	08	21088	217.0	224	213								05	21162	215.4	221	212	
40	05	22465	221.0	230	217													
30																		
20																		
10																		

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(G FROM ASCENTS AT 12 HRS G.M.T.
AUGUST, 1967. (SRAVANA 10 - BHADRA 9, 1889 SAKA)

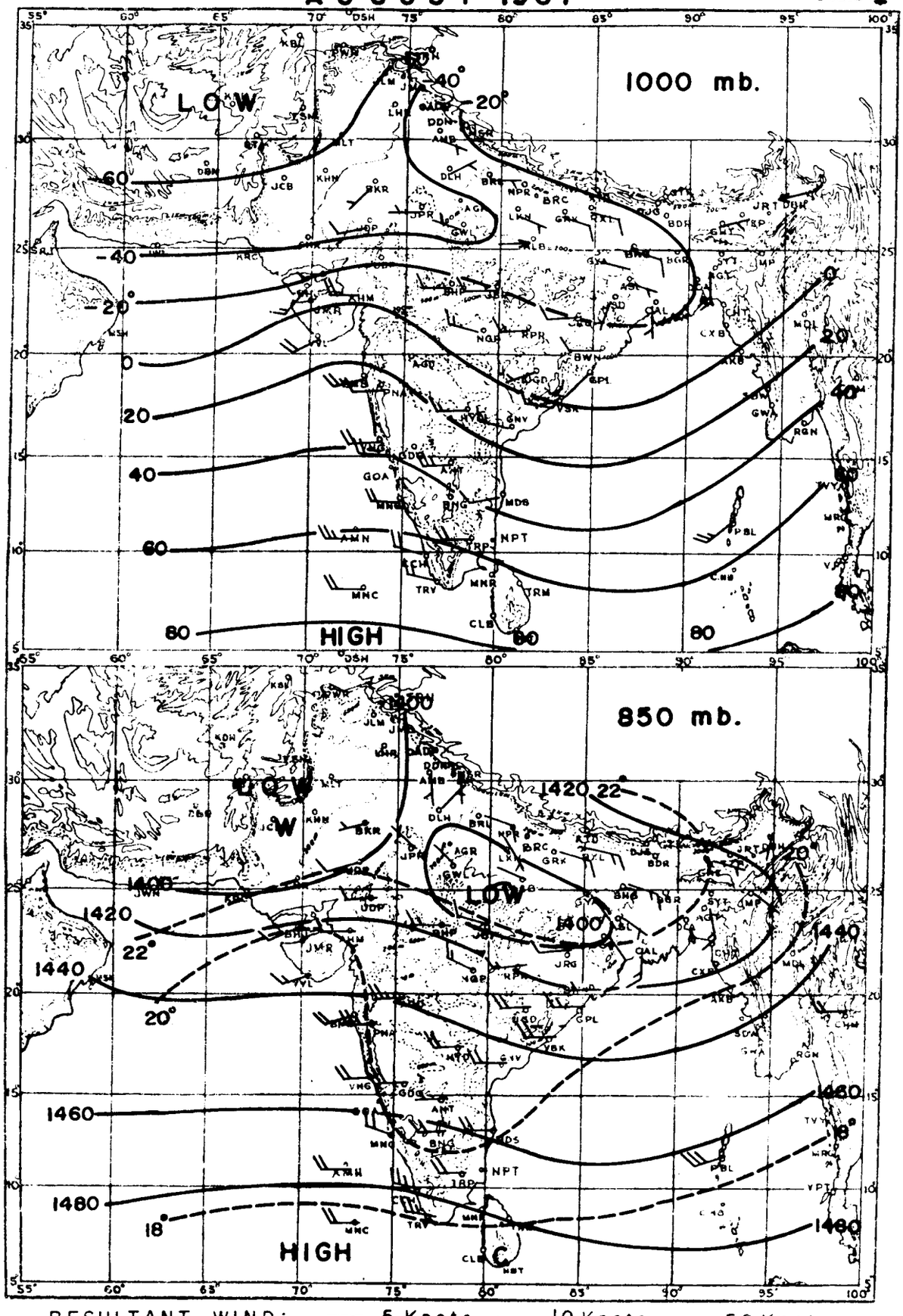
STANDARD PRESSURE SURFACE MB	MINICOY SURFACE PR (1008 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NAGPUR/SONEGAON (965 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NEW DELHI/SAFDARJUNG (973 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	25	00002	301.2	303	299	297.7	31	00311	301.0	305	297	297.1	31	00209	303.3	307	300	298.9
1000	25	00076	300.4	302	298	296.8	31	-0005					31	-0032				
900	25	00995	294.2	297	292	291.0	31	00929	296.7	300	293	294.4	31	00906	298.3	302	295	294.6
850	25	01488	291.4	293	288	288.0	31	01427	293.1	296	289	291.7	31	01407	295.5	298	292	291.7
800	25	02006	288.6	291	283	284.4	31	01949	290.0	293	287	288.8	31	01932	292.5	295	289	289.0
700	25	03128	282.6	287	276	277.9	31	03080	284.6	293	281	283.5	31	03071	286.9	290	284	282.8
600	25	04389	275.0	281	267	270.8	31	04359	278.6	281	275	276.9	31	04325	280.5	285	277	276.5
500	24	05841	267.0	275	264		31	05831	271.4	275	268	270.5	31	05841	273.2	276	271	269.6
400	24	07556	256.9	265	251		31	07580	262.4	269	258		30	07601	263.6	269	261	
300	23	09658	241.8	250	235		31	09725	247.7	253	242		28	09764	249.5	256	245	
250	23	10925	232.4	241	225		31	11029	238.8	244	232		28	11074	240.5	249	236	
200	21	12443	220.9	228	213		30	12550	227.2	232	219		28	12606	228.7	235	223	
175	22	13259	215.5	225	203		27	13429	221.9	227	217		28	13491	221.9	229	214	
150	21	14238	209.5	220	195		26	14419	215.9	223	211		27	14481	214.8	222	209	
125	20	15245	204.1	212	191		25	15538	210.2	217	202		27	15607	206.7	214	202	
100	19	16697	202.9	212	193		23	16922	206.8	212	196		26	16923	200.7	207	197	
80	14	18010	207.7	216	201		16	18287	207.7	217	194		24	18235	201.6	209	194	
70	13	18897	209.1	218	201		14	19079	208.9	221	197		22	19038	205.5	213	197	
60	12	19801	210.0	215	202		12	20058	211.4	217	201		17	19999	210.9	217	203	
50	10	20911	211.8	220	205		11	21187	215.2	225	205		13	21148	215.5	221	207	
40													11	22562	219.1	225	213	
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	PORT BLAIR SURFACE PR (997 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	SRINAGAR (831 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	TRIVENDRUM (1000 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00079	299.5	301	296	297.6	23	01588	301.0	305	297	293.0	31	00064	299.9	301	297	295.9
1000	31	00055					23	-0077					31	00069	300.0	301	298	295.7
900	30	00971	294.5	298	291	291.9	23	00874					31	00994	293.7	296	291	290.9
850	30	01461	292.0	295	286	287.8	23	01384					31	01488	291.2	294	289	288.1
800	30	01981	289.0	296	281	285.4	23	01919	299.0	303	294	288.0	31	02007	288.6	292	285	284.9
700	30	03103	284.2	293	280	279.1	23	03075	290.0	295	282	281.0	31	03132	283.3	287	281	278.1
600	30	04382	276.5	281	271	271.2	23	04369	281.0	287	273	274.0	31	04403	276.7	281	273	272.2
500	30	05821	268.9	273	266		23	05849	272.0	278	264	266.0	31	05864	268.6	273	264	
400	30	07548	261.5	264	252		22	07602	262.0	268	253		31	07588	258.3	264	253	
300	29	09649	243.1	251	234		19	09780	250.0	256	245		31	09710	243.9	247	237	
250	29	10947	233.6	240	223		19	11095	242.0	245	236		31	10974	234.7	240	228	
200	27	12488	221.8	235	213		19	12641	231.0	235	225		31	12492	223.0	229	213	
175	23	13279	215.8	221	208		15	13519	224.0	231	219		27	13346	216.9	223	206	
150	22	14251	208.3	215	199		13	14517	218.0	225	212		27	14322	210.3	217	206	
125	20	15381	203.2	213	195		13	15658	211.0	216	205		26	15401	203.0	211	193	
100	19	16656	201.0	211	191		12	17016	206.0	210	201		23	16748	202.3	213	193	
80	15	17978	203.8	214	196		11	18375	208.0	213	201		16	18060	206.4	217	203	
70	11	18820	204.8	219	198		10	19252	212.0	215	207		12	18833	208.6	219	203	
60	06	19679	211.2	228	203		07	20219	216.0	220	213							
50																		
40																		
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	VISAKHAPATNAM SURFACE PR (996 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00041	301.8	304	299	298.0												
1000	29	00000																
900	29	00930	297.3	301	294	294.2												
850	29	01429	294.3	299	291	291.6												
800	29	01953	291.4	295	287	288.8												
700	29	03087	285.4	293	281	283.2												
600	29	04365	278.1	283	273	276.8												
500	29	05837	270.5	275	267	261.4												
400	29	07580	261.2	265	256													
300	28	09374	247.6	251	242													
250	27	11033	238.3	242	233													
200	27	12185	226.4	231	222													
175	26	13417	220.0	226	215													
150	25	14410	213.5	219	209													
125	23	15516	206.2	212	199													
100	20	16870	201.9	208	193													
80	13	18209	205.6	212	196													
70	11	19015	208.5	217	199													
60	10	19946	210.0	219	203													
50	08	21049	213.5	221	208													
40	06	22441	216.2	222	209													
30																		
20																		
10																		

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I.Met.D. **AUGUST 1967** *Plate* **I**

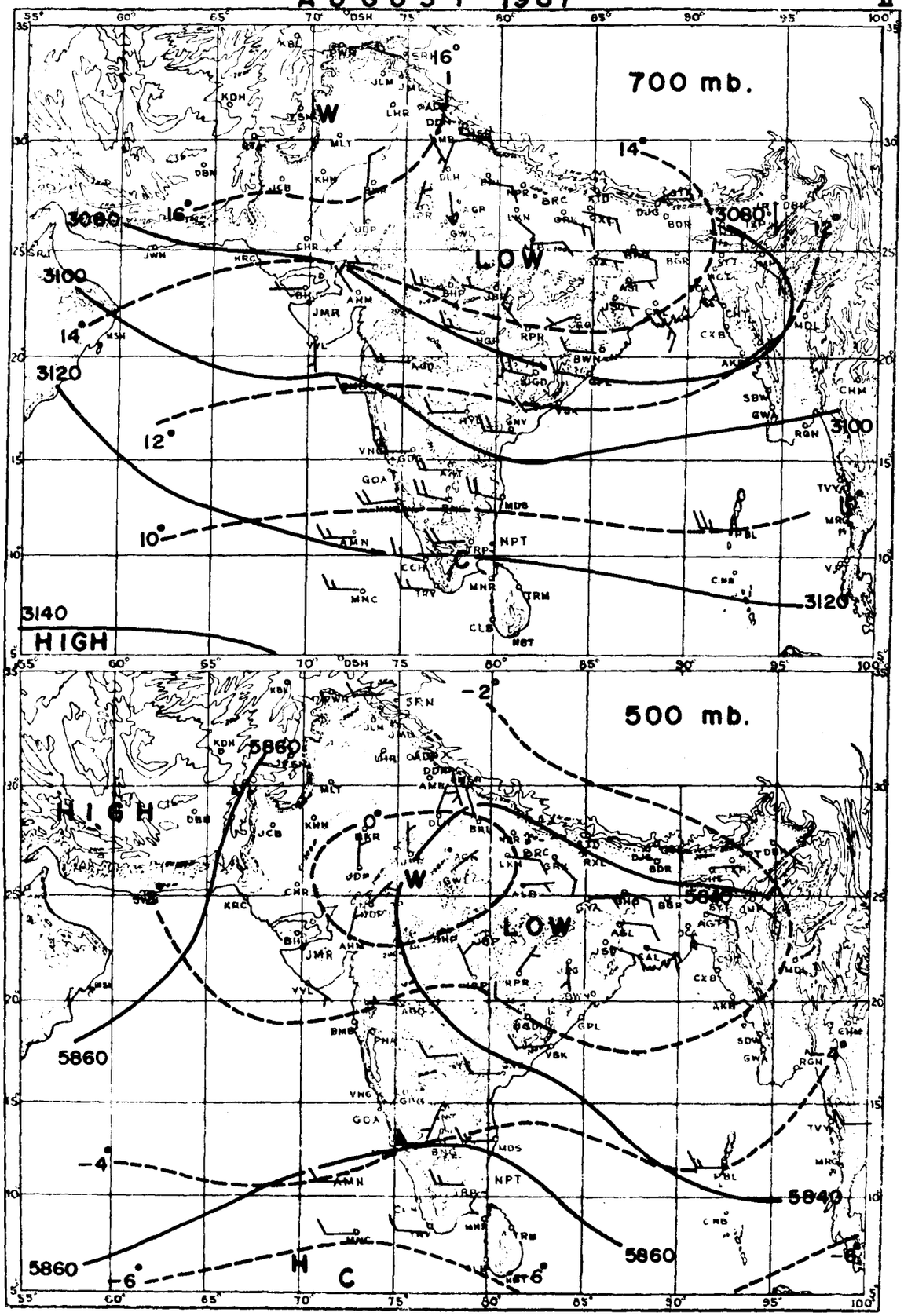


RESULTANT WIND: 5 Knots 10 Knots 50 Knots

----Isotherms in degrees Celsius;—— Contours in geopotential metres

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I. Met.D. **AUGUST 1967** *Plate* **II**



RESULTANT WIND: 5 Knots 10 Knots 50 Knots

----Isotherms in degrees Celsius; —— Contours in geopotential metres

QC
990
.I39
I52
1967

भारत सरकार

GOVERNMENT OF INDIA

मौसम विज्ञान विभाग

METEOROLOGICAL DEPARTMENT

भारतीय मौसम पुनरीक्षण

INDIA WEATHER REVIEW

1967

मासिक मौसम रिपोर्ट

MONTHLY WEATHER REPORT

सितम्बर

SEPTEMBER

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under the direction of the
Director General of Observatories

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Errata to M.W.R. for the month of September 1967.

Page No.	Station	Hour	Col.	For	Read	Remarks
TABLE II :						
430	Sibsagar		8	0.0	..	Data for 19 days only.
430	Sibsagar		9	00	..	-do-
435	Kallakkurichchi		9	0.0	..	Extrapolated values.
435	Kallakkurchchi		9	00	..	-do-
437	Bhimkund		8	0.0	..	Data for 22 days only.
437	Bhimkund		9	00	..	-do-
TABLE III :						
446	Gulmarg	0830	3	Blank	2655	
446	Gulmarg	1730	3	Blank	2655	
446	Quazigund	0830	3	1690	Blank	
446	Quazigund	1730	3	1690	Blank	
446	Banihal	0830	3	1630	Blank	
446	Banihal	1730	3	1630	Blank	
456	Agumbe	0830	3	1018	Blank	
456	Balehonnur	0830	3	890	Blank	
458	Coonoor	0830	3	1747	Blank	
458	Hazaribagh	0830	3	6154	615	
458	Hazaribagh	1730	3	6154	615	
458	Bokaro	0830	3	2420	242	
458	Bokaro	1730	3	2420	242	
459	From Gandak Catchment station Jomosom to Kosi Catchment station Angbung delete station elevation (col.3) as no pressure data reported.					
460	Gezing	0830	3	1324	Blank	
460	Gezing	1730	3	1324	Blank	
R.S. DATA :						
474	Minicoy	Hours of routine observations in GMT during the month		00 & 12	12	

SG/

मेट.टी. 16
MET.T.16

भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

अरो और भूमीपर अुतरने का पूर्वानुमान
AERO and LANDING FORECAST

मौसम विज्ञान रिपोर्ट*/वरिन विशेष*
MET RFPORT*
SELECTED SPECIAL* ..... (जी अेम टी) (GMT) ..... (स्टेशन) (STATION)

(पवन) (WIND) ..... अधिकतम MAX

व्ही आई अेस VIS ..... *मि/कि मी* M*/KM*

Approach Sector Visibility@ ..... M मि

आर व्ही आर@ RVR@ ..... M मि

(वर्तमान मौसम)@ (Present Weather)@

(मेघ) (Clouds) ..... मि (भूमी से) M (a.g.l.)

..... मि (भूमी से) M (a.g.l.)

..... मि (भूमी से) M (a.g.l.)

टी T. .....

डी पी D P .....

(ट्रेन्ड पूर्वानुमान)
(TREND FORECAST)

क्यू अेफ ई QFE	(अेम बी) (Mb)	क्यू अेन अेच QNH	(अेम बी) (Mb)

अेच अेफ/आर टी, TO HF/RT, विमान क्षेत्र Aerodrome नियंत्रण/अप्रौच Control/Approach नियंत्रण Control

तारीख Date.....Time of issue.....(जी अेम टी) (GMT)

मौसम अधिकारी के हस्ताक्षर
Signature of Met. Officer

INDIA WEATHER REVIEW 1967

Monthly Weather Report

SEPTEMBER

MONTHLY WEATHER REPORT

FOR

SEPTEMBER - 1967

C O N T E N T S

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* * * *

MEANINGS OF SYMBOLS AND ABBREVIATIONS IN TABLES II and III

Symbol/Abbreviation	Meaning
(a)	Mean/total for 30 days.
(b)	Mean/total for 29 days.
(c)	Mean/total for 28 days.
(d)	Mean/total for 27 days.
(e)	Mean/total for 26 days.
(f)	Mean/total for 25 days.
(g)	Mean/total for 24 days.
(h)	Mean/total for 23 days.
(i)	Mean/total for 22 days.
(j)	Mean/total for 21 days.
(k)	Mean/total for 20 days.
(l)	Mean/total for 19 days.
(m)	Mean/total for 18 days.
(n)	Mean/total for 17 days.
(o)	Mean/total for 16 days.
(p)	Mean/total for 15 days.
(q)	Mean/total for 14 days.
*	Closed during winter months.
(R)	Register not received, hence data not available.
≠	Data for less than 15 days, hence no means published.
ds	Days.
●	Data rejected.
D.N.	Data not available.
E	Estimated.
H	Height provisional.

SG/

INDIA WEATHER REVIEW, 1967

Monthly Weather Report

SEPTEMBER

Published by authority of the Government of India

Chief features :

i) Continuation of marked monsoon activity over north and central India during the first twenty days of the month and good monsoon rainfall over the Peninsula thereafter;

ii) Formation of two deep depressions in the Bay of Bengal and their movement and development of a land depression over Bihar State;

iii) Heavy rains causing serious floods in many parts of north India during the first three weeks;

and iv) Withdrawal of the monsoon from northwest India, Gujarat State, Uttar Pradesh and west Madhya Pradesh.

The well marked low pressure area lying over the central parts of Madhya Pradesh on 31st August weakened. Shifting slowly northwards to Uttar Pradesh it merged into the seasonal trough by 4th September . Another well marked low pressure area developed over the head Bay of Bengal on 1st and concentrated into a depression by the next morning with centre about 200 kms southeast of Calcutta. Moving in a northwesterly direction it intensified into a deep depression by the same evening and crossed coast near Contai during the night of 2nd - 3rd. It continued to move northwestwards till 4th morning when it was centred near Dehri. Later it moved west-northwestwards and weakened into a depression by the evening of 6th. It weakened further into a low pressure area by the next evening over west Rajasthan and finally merged into the seasonal low by 9th. In association with these developments, the monsoon continued to be active over most parts of north and central India. Some of the noteworthy amounts of rainfall recorded were : Shivpuri 13 cm. on 2nd, Sagar Island 25 cm., Sandheads 22 cm. and Balasore 15 cm. on 3rd, Baripada 12 cm. on 4th, Rewa 14 cm. on 5th, Nimach 15 cm. and Pasighat 13 cm. on 6th and Abut 19 cm. and Jawai Band 12 cm. on 7th. According to press reports, serious floods were reported from Midnapore district of West Bengal, Orissa, Bihar State, Uttar Pradesh, west Madhya Pradesh, Rajasthan and Haryana. The bursting of the Nanak Sagar dam in Nainital district in the early morning of 8th, the marooning of Barmer - Jodhpur Express train with about 500 passengers in it between Tiwara and Balotra due to the flood waters of the Luni river on 8th and the submerging of roads in Madhya Pradesh due to the flood waters of the Narmada were some of the other havocs reported as a consequence of the heavy rains.

A low pressure area from the east moved into the northeast and adjoining east central Bay of Bengal on 8th. Moving slowly westnorthwestwards it passed inland by 11th evening and persisted over Bihar Plateau and neighbourhood for the next three days. Later it shifted to Uttar Pradesh and merged into the seasonal trough by 17th. In association with it, the monsoon activity continued to be good over north and central India till 17th. Later the rainfall decreased considerably over the northwestern parts of the country and the monsoon withdrew from northwest India, Gujarat State and west Uttar Pradesh by 20th.

Another low pressure area developed over the northwest and adjoining west central Bay of Bengal on 15th. It shifted northnorthwest and lay over Bihar Plateau and neighbourhood on 17th. Without any appreciable movement the system began to intensify. It concentrated into a depression by the morning of 20th centred about 50 kms. east of Patna. It, however, weakened into a low pressure area by the next morning and further weakened off over Bihar Plains by 22nd. Under its influence, the monsoon was active over northeast India during the third week. Patna City recorded an exceptionally heavy fall of 36 cm. of rain on 20th. Other noteworthy amounts of rainfall reported were : Kalimpong 20 cm., Patna City 14 cm. and Patna Air Port 11 cm. on 19th and Patna Airport 19 cm. on 20th. The heavy rain in Patna is reported to have caused serious floods rendering thousands homeless and paralysing life in the city for a few days besides causing a few deaths. Damage to houses and crops due to floods were also reported from other parts of Bihar State.

In the wake of the above disturbance, the monsoon further withdrew from west Madhya Pradesh and east Uttar Pradesh by 24th.

The monsoon was generally weak over the Peninsula during the first fortnight. Later the activity revived with the development of the following system. A low pressure wave from the east moved into the south Andaman Sea on 19th. Moving westnorthwestwards, it became well marked and lay over Andhra Pradesh as an upper air cyclonic circulation on 22nd. The system later moved slowly westwards and persisted over Konkan and adjoining east central Arabian Sea from 26th till the beginning of next month as a trough of low pressure. There was good rainfall activity over the Peninsula from 20th, the activity being more marked over the northern parts. Some of the heavy rainfalls recorded were : Tirupattur 9 cm. on 20th, Goa (Dabolim) 11 cm. on 22nd, Honavar 17 cm. and Devgarh 16 cm. on 24th, Tirupati 9 cm. on 25th, Vishakhapatnam 10 cm. and Ramagundam and Masulipatam 9 cm. each on 26th and Harnai 13 cm. on 27th.

A low pressure area formed over the northwest and adjoining west central Bay of Bengal on 25th. Persisting there for the next two days, it concentrated into a depression by the morning of 27th with centre near Lat. 20.5°N and Long. 89.0°E and further intensified into a deep depression by the next morning centred about 120 kms. south of Calcutta. Moving initially in a northnorthwesterly direction, it crossed the West Bengal coast on the night of 28th-29th and later recurved northeastwards. It weakened into a depression by the evening of 29th when it was centred near Agartala. Weakening further it lay as a low pressure area over the central parts of Assam on the last day of the month. Under its influence, there was good rainfall over northeast India during the last four days of the month. Bhubaneshwar recorded 16 cm. of rain on 27th and Sandheads 11 cm. on 29th.

The total Rainfall for the month was in large excess in Gangetic West Bengal, West Uttar Pradesh, West Rajasthan and East Madhya Pradesh, in slight excess in Bihar Plains and East Rajasthan. It was normal in Assam, Orissa, Bihar Plateau, Jammu and Kashmir, West Madhya Pradesh, Konkan, Telangana, Rayalaseema, Madras, Coastal Mysore and North Interior Mysore, in slight defect in Sub-Himalayan West Bengal, East Uttar Pradesh, Haryana, Punjab, Gujarat, Coastal Andhra Pradesh and Kerala, in moderate defect in Bay Islands, Himachal Pradesh, Madhya Maharashtra, Marathwada and Arabian Sea Islands and in large defect in Saurashtra, Vidarbha and South Interior Mysore.

The mean Maximum temperature was above normal in Marathwada and below normal in Haryana. It was normal over the rest of the country.

The mean Minimum temperature was below normal in East Rajasthan and was normal over the rest of the country.

The mean Relative Humidity in the morning was normal all over the country.

The mean Relative Humidity in the evening was below normal in Marathwada, South Interior Mysore and Arabian Sea Islands. It was normal over the rest of the country.

The mean Cloud amount in the morning was below normal in Himachal Pradesh. It was normal over the rest of the country.

The mean Cloud Amount in the evening was below normal in Himachal Pradesh and Jammu and Kashmir. It was normal over the rest of the country.

POONA - 5.
10th November, 1967

R. ANANTHAKRISHNAN
for Director General of Observatories

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS - -SEPTEMBER,1967BHADRA 10 - ASVINA 8,1889 SAKA)

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1.ASSAM(INCLUDING.	297.3	104	31.0	23.3	87	83	6.4	5.6
NEFA,N.L.ETC) .	+ 12.2		-0.6	-0.6	+ 3	+ 1	+0.5	+0.3
2.WEST BENGAL .	390.0	128	31.6	24.9	84	82	5.5	5.7
.	+ 84.8		-0.2	-0.5	+ 1	+ 1	-0.2	-0.1
3.ORISSA .	264.9	99	31.2	24.0	85	83	5.9	6.2
.	- 2.9		+0.2	-0.7	+ 2	+ 2	0.0	-0.2
4.BIHAR .	257.4	111	31.5	23.9	84	80	5.5	5.6
.	+ 24.8		0.0	-0.9	+ 2	+ 2	+0.2	-0.2
5.UTTAR PRADESH .	221.0	116	32.3	23.6	82	72	3.8	3.9
.	+ 30.1		0.0	-0.6	+ 1	+ 1	-0.1	-0.2
6.HARYANA(INCLU. .	98.0	68	33.0	23.4	80	61	2.6	2.2
DELHI CHANDIGARH).	- 46.7		-1.2	-0.2	+ 5	+ 3	0.0	-0.4
7.PUNJAB .	97.4	81	34.3	23.0	76	56	2.2	2.2
.	- 22.9		-0.2	-0.5	+ 1	- 2	-0.2	-0.3
8.HIMACHAL .	147.2	74	30.5	19.7	87	70	3.4	3.3
PRADESH .	- 51.5		-0.2	-0.8	0	0	-0.9	-1.3
9.JAMMU AND .	72.7	106	27.2	13.9	76	47	2.7	2.3
KASHMIR .	+ 4.2		+0.6	-0.1	0	0	+0.3	-0.6
10.RAJASTHAN .	120.1	130	33.6	22.9	78	59	3.0	3.1
.	+ 27.4		-0.3	-1.1	+ 3	+ 2	+0.1	-0.4
11.MADHYA PRADESH .	425.9	204	30.1	22.2	84	72	5.2	5.4
.	+217.5		-0.4	-0.5	+ 1	0	0.0	-0.2
12.GUJARAT STATE .	52.0	41	32.3	24.1	83	66	4.2	4.3
(INCLU.DIU ETC).	- 75.8		+0.5	0.0	- 1	- 1	-0.4	-0.2
13.MAHARASHTRA .	177.2	78	30.6	22.3	83	68	5.5	6.0
STATE(INCL.GOA).	- 49.2		+0.5	-0.2	- 1	- 2	+0.1	+0.1
14.ANDHRA PRADESH .	142.9	88	32.6	24.2	78	66	5.3	5.9
.	- 19.0		+0.7	0.0	- 1	- 2	-0.4	-0.3
15.MADRAS STATE .	89.2	98	33.9	24.4	73	65	4.9	5.5
(INCL.PONDICH).	- 2.2		+0.4	-0.3	+ 2	+ 3	+0.1	+0.2
16.MYSORE .	137.3	76	29.3	20.5	85	65	6.1	6.2
.	- 43.0		+0.6	-0.4	0	- 5	+0.1	-0.1
17.KERALA .	170.3	84	30.0	23.1	84	75	5.5	5.7
.	- 32.2		+0.3	-0.4	- 2	- 3	-0.1	-0.4

SUB-DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
SUB-DIVISION								
1.BAY ISLANDS .	272.2	68	29.7	23.6	85	87	6.0	5.5
.	-128.0		+0.5	-0.4	+ 1	- 1	-0.2	-0.8
2.NORTH ASSAM .	296.0	107	31.5	23.6	88	83	6.4	5.3
(INCLUDING NEFA) .	+ 20.3		-0.5	-0.7	+ 4	+ 1	+0.6	+0.4
3.SOUTH ASSAM .	300.6	98	29.9	22.4	85	84	6.4	6.2
(INCL.N.LAND ETC).	- 7.4		-0.8	-0.5	0	+ 1	+0.4	+0.4
4.SUB-HIMALAYAN .	405.6	87	31.5	24.3	84	81	5.6	5.0
WEST BENGAL .	- 62.8		0.0	-0.5	+ 1	0	-0.1	-0.3
5.GANGETIC WEST- .	384.8	153	31.7	25.1	84	83	5.5	6.0
BENGAL .	+134.0		-0.2	-0.5	+ 1	+ 1	-0.2	0.0
6.ORISSA .	264.9	99	31.2	24.0	85	83	5.9	6.2
.	- 2.9		+0.2	-0.7	+ 2	+ 2	0.0	-0.2
7.BIHAR PLATEAU .	245.6	108	30.9	23.2	84	81	5.6	6.3
.	+ 18.4		+0.2	-0.7	+ 2	+ 1	0.0	-0.1
8.BIHAR PLAINS .	265.6	112	32.0	24.6	84	79	5.4	5.0
.	+ 29.2		-0.3	-1.0	+ 2	+ 2	+0.3	-0.3
9.UTTAR PRADESH .	160.2	80	32.9	24.3	83	74	4.0	4.0
(EAST) .	- 40.5		+0.2	-0.8	+ 1	0	-0.3	-0.3
10.UTTAR PRADESH .	302.0	170	31.4	22.6	80	69	3.4	3.7
(WEST) .	+124.1		-0.5	-0.5	+ 1	+ 2	-0.1	-0.1
11.HARYANA(INCLU. .	98.0	68	33.0	23.4	80	61	2.6	2.2
DELHI CHANDIGARH).	- 46.7		-1.2	-0.2	+ 5	+ 3	0.0	-0.4
12.PUNJAB .	97.4	81	34.3	23.0	76	56	2.2	2.2
.	- 22.9		-0.2	-0.5	+ 1	- 2	-0.2	-0.3
13.HIMACHAL .	147.2	74	30.5	19.7	87	70	3.4	3.3
PRADESH .	- 51.5		-0.2	-0.8	0	0	-0.9	-1.3
14.JAMMU AND KASH-.	72.7	106	27.2	13.9	76	47	2.7	2.3
-MIR .	+ 4.2		+0.6	-0.1	0	0	+0.3	-0.6
15.RAJASTHAN(WEST).	85.6	155	34.9	23.5	77	54	2.6	2.8
.	+ 30.3		-0.2	-0.9	+ 3	+ 4	+0.2	-0.2
16.RAJASTHAN(EAST).	151.2	120	32.4	22.4	78	63	3.4	3.4
.	+ 24.9		-0.5	-1.3	+ 1	+ 1	0.0	-0.6
17.MADHYA PRADESH .	201.0	106	30.0	21.6	83	69	5.0	5.0
(WEST) .	+ 11.5		-0.5	-0.7	0	0	-0.1	-0.4
SUB-DIVISION(CONTD)								
18.MADHYA PRADESH .	725.7	311	30.2	22.9	85	76	5.4	6.0
(EAST) .	+492.2		-0.4	-0.3	+ 2	+ 1	+0.1	+0.1
19.GUJARAT REGION .	107.6	67	32.4	23.6	85	63	4.3	4.1
(INCL.DAMAN ETC).	- 52.5		+0.1	-0.1	+ 1	- 2	-0.5	-0.3
20.SAURASHTRAKUTCH.	17.8	16	32.2	24.5	82	68	4.1	4.4
(INCLUDING DIU) .	- 90.1		+0.7	+0.1	- 2	- 1	-0.3	-0.2
21.KONKAN .	341.7	108	29.4	24.1	87	80	6.3	6.2
(INCLUDING GOA).	+ 26.2		+0.2	0.0	0	- 1	+0.5	+0.5
22.MADHYA- .	136.2	72	30.8	20.9	82	63	4.9	5.4
-MAHARASHTRA .	- 53.9		+0.4	-0.4	0	- 2	-0.3	-0.5
23.MARATHWADA .	111.9	64	31.4	20.6	78	57	5.0	6.5
.	- 61.7		+1.2	-0.5	- 4	- 7	-0.3	+0.4
24.VIDARBHA .	102.9	49	31.3	22.9	81	67	5.5	6.2
.	-106.2		+0.6	-0.2	- 2	- 4	0.0	+0.1
25.COASTAL ANDHRA .	125.2	83	33.2	25.3	79	71	5.2	5.8
-PRADESH .	- 25.4		+0.7	-0.1	0	- 1	-0.5	-0.3
26.TELANGANA .	169.7	90	31.9	23.4	80	65	5.4	5.8
.	- 19.7		+0.7	0.0	- 1	- 4	-0.2	-0.4
27.RAYALASEEMA .	135.8	98	32.2	23.4	75	56	5.3	6.4
.	- 3.3		+0.3	+0.2	+ 2	0	-0.5	+0.1
28.MADRAS STATE .	89.2	98	33.9	24.4	73	65	4.9	5.5
(INCL.PONDICH.).	- 2.2		+0.4	-0.3	+ 2	+ 3	+0.1	+0.2
29.COASTAL MYSORE .	305.5	93	28.9	23.1	89	80	6.4	6.1
.	- 23.5		+0.3	-0.2	- 2	- 4	+0.1	-0.2
30.INTERIOR MYSORE.	140.6	93	30.0	20.7	85	66	6.2	6.7
(NORTH) .	- 10.1		+0.6	-0.1	+ 2	- 1	+0.5	+0.4
31.INTERIOR MYSORE.	50.3	38	28.8	19.1	84	56	5.7	5.7
(SOUTH) .	- 81.6		+0.6	-0.6	0	- 9	-0.5	-0.6
32.KERALA .	170.3	84	30.0	23.1	84	75	5.5	5.7
.	- 32.2		+0.3	-0.4	- 2	- 3	-0.1	-0.4
33.ARABIAN SEA- .	114.0	74	30.0	24.8	78	73	5.5	5.3
ISLANDS .	- 39.9		+0.3	-0.5	- 3	- 6	+0.1	-0.5

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

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER. — -SEPTEMBER,1967BHADRA 10 - ASVINA 8,1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
BAY ISLANDS																												
MAYA BANDAR	29.3	+0.6	31.0	16	24.1	+0.1	22.3	26	142.5	317.6	- 97.6	48.2	12	16	- 3.3	16.1	11.9	+2.0	0	24	0		7	0	0	0	0	0
LONG ISLAND	30.1	+0.3	31.9	18	24.2	+0.1	22.5	26	172.0	362.8	- 97.8	61.4	26	16	- 4.0	8.6	5.7	+3.3	0	18	0	0	0	0	0	0	0	0
PORT BLAIR	29.3	+0.6	31.0	19	23.4	-0.2	21.4	26	117.9	326.0	-123.6	49.2	24	16	- 3.6	22.9	15.8	-0.1	1	24	0	0	4	1	0	0	0	0
CAR NICOBAR	30.3	+0.4	31.4	30	22.8	-1.0	21.1	29	52.3	136.8	-238.6	43.3	20	9	- 7.4	6.3	3.9	-0.7	0	12	0	0	0	0	0	0	0	0
MAN COMBY	30.1	+0.9	31.8	29	24.4	0.0	22.4	30	109.5	247.3	- 82.6	29.6	09	16	- 1.7	8.6	6.9	-3.0	0	20	0	0	2	0	0	0	0	0
KONDUL	28.8	+0.1	30.4	28	22.7	-1.6	20.8	30	74.2	242.7	-127.8	52.6	19	13	- 5.2	6.2	5.6	-1.5	1	18	0	0	5	0	0	0	0	0
NORTH ASSAM (INCLUDING NEFA)																												
PASIGHAT	30.2	-1.1	34.8	03	22.9	-0.2	20.8	13	101.8	489.0	- 25.9	133.0	06	17	+ 5.6	3.9	4.3	-0.5	1	18	0	0	5	0	0	0	0	0
DIBRUGARH (MOHANBARI)	30.1	-1.0	34.6	11	23.5	-0.3	21.4	22	85.5	298.3	- 30.5	42.9	16	21	+ 7.8	5.3	3.7	+0.7	2	24	0	0	16	2	0	0	0	0
DIGBOI	30.6	-1.5	34.8	02	23.5	-0.2	21.2	21	57.2	347.5	+ 74.0	59.8	03	18	+ 6.1	..	..	..	0	22	0	0	2	0	0	0	0	0
NORTH LAKHIMPUR	30.5	-1.0	34.7	02	22.7	-1.2	20.5	22	75.1	485.3	+ 22.0	104.0	18	21	+ 8.0	6.6	4.5	..	2	23	0	0	10	0	0	0	0	0
SIBSAGAR	31.1	-0.4	35.1	11	18.4	-6.3	0.0	00	34.9	338.5	+ 26.8	58.7	11	19	+ 3.8	3.7	3.7	-0.9	2	22	0	0	0	0	0	0	0	0
GOHPUR	31.2	-1.1	34.7	09	23.3	-0.5	21.3	22	6.9	437.0	+273.7	124.2	09	16	+ 9.8	5.3	4.0	..	1	20	0	0	0	0	0	0	0	0
MAJULI	32.2	..	36.1	02	25.3	..	23.0	11	26.4	145.3	- 75.8	28.4	24	10	+ 0.8	3.0	3.1	0.0	0	10	0	0	0	0	0	0	0	0
JORHAT AERODROME	32.3	..	39.6	09	23.9	..	22.5	21	32.0	225.1	..	56.8	11	17	..	..	..	..	0	21	0	0	14	4	0	0	0	0
TANGLA	32.3	-0.4	36.0	02	24.2	-0.2	22.0	09	35.2	113.2	- 82.3	37.2	29	9	+ 1.6	5.3	3.8	+2.1	0	11	0	0	0	0	0	0	0	0
TEZPUR	31.9	+0.2	35.5	09	24.4	-0.3	22.6	22	22.3	146.0	- 75.0	33.7	17	14	+ 1.6	4.3	3.6	+1.3	1	17	0	0	7	0	0	0	0	0
GOLAGHAT	31.9	-0.3	35.2	09	23.8	-0.7	20.1	09	35.8	281.2	+ 91.5	43.8	11	16	+ 6.4	..	..	..	0	20	0	0	0	0	0	0	0	0
RANGIA	32.2	-0.4	35.2	16	25.1	+0.8	23.1	29	45.0	135.9	- 23.7	32.0	27	11	+ 4.7	5.7	3.3	..	0	14	0	0	0	0	0	0	0	0
CHAPARMUKH	32.4	-0.9	36.1	03	24.9	-0.4	19.8	11	23.6	140.8	- 92.5	35.6	30	7	- 3.5	4.9	3.9	..	0	8	0	0	9	0	0	0	0	0
GOALPARA	32.8	0.0	37.1	22	24.4	-0.2	20.1	28	171.4	500.3	+193.1	86.4	07	14	+ 5.3	4.1	3.0	+0.8	1	15	0	0	0	0	0	0	0	0
GAUHATI (HOHRJOR)	31.1	-0.6	34.4	16	24.4	-0.3	22.3	27	57.4	295.8	+105.3	61.2	23	13	+ 4.2	6.1	4.0	..	3	16	0	0	17	2	0	0	0	0
DHUBRI (RUPSI)	31.7	-0.1	34.4	16	24.0	-0.7	22.1	21	101.9	339.4	- 20.9	79.2	23	15	+ 4.5	8.7	6.5	+2.6	0	19	0	0	13	0	0	0	0	0
DHUBRI	31.1	+0.4	35.8	16	24.4	-0.3	22.4	21	84.2	243.8	-119.4	63.8	21	12	- 0.7	11.6	8.9	+3.6	1	17	0	0	6	0	0	0	0	0
LUMDING	32.9	+0.6	36.6	03	23.5	-0.6	22.1	23	146.2	294.5	+104.3	55.2	09	10	- 1.1	4.4	2.8	..	0	17	0	0	0	0	0	0	0	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																												
TURA	28.7	-0.6	31.5	09	23.3	+0.6	22.4	25	159.7	369.6	- 83.9	59.2	19	20	+ 3.9	5.3	4.7	-0.4	1	23	0	0	0	0	0	0	0	0
HAFLONG	28.2	-0.4	32.8	02	20.8	-0.5	18.0	30	88.3	241.1	+ 4.0	68.3	30	12	- 0.2	..	..	..	0	16	0	0	1	0	0	0	0	0
SILCHAR (KUMBHIRGRAM)	32.1	-0.3	35.8	01	23.6	-0.3	22.0	24	4[illegible].2	341.7	- 9.1	71.5	30	16	+ 2.2	6.1	5.8	+0.5	1	20	0	0	11	0	0	0	0	0
SILCHAR	29.2	-2.6	33.0	01	..	..	..	..	81.2	365.4	- 37.7	55.4	10	16	- 1.1	2.0	1.2	-0.4	0	23	0	0	7	0	0	0	0	0
IMPHAL (TULIHAL)	28.6	-0.2	31.1	08	19.8	-0.7	18.3	25	68.4	130.5	- 15.2	22.6	09	9	- 1.4	6.7	3.9	-0.5	2	16	0	0	6	0	0	0	0	0
KAILASHAHAR	31.7	-0.5	34.1	09	23.6	-0.8	21.1	23	106.9	327.6	+ 34.6	81.9	30	16	+ 3.0	5.2	3.3	+0.4	1	21	0	0	12	2	0	0	0	0
AGARTALA	31.1	-0.6	34.1	02	23.1	-1.4	21.4	23	179.2	338.0	+ 55.0	90.8	30	15	+ 1.3	8.7	6.3	0.0	2	21	0	0	15	0	0	0	0	0
SUB-HIMALAYAN WEST BENGAL																												
BAGDOGRA	31.9	+0.2	35.1	02	23.6	-0.3	21.0	26	171.6	555.8	+162.1	105.0	20	20	+ 5.8	10.2	10.4	+5.3	0	22	0	0	17	1	0	0	0	0
JALPAIGURI	30.9	+0.2	34.2	02	23.8	-0.6	21.3	21	223.4	481.6	- 79.0	118.4	11	17	- 0.2	5.4	6.9	+1.8	3	19	0	0	1	0	0	0	0	0
COOCH BEHAR AERODROME	31.2	-0.8	35.4	15	23.8	-1.3	22.0	21	126.1	262.8	-329.0	63.5	20	14	- 2.1	6.3	4.0	+0.3	1	19	0	0	8	1	0	0	0	0
BALURGHAT	32.1	..	34.5	10	25.0	..	21.8	10	87.6	209.5	..	47.6	10	12	..	4.6	5.5	..	1	13	0	0	2	0	0	0	0	0
MALDA	32.1	+0.4	34.5	10	25.9	+0.1	24.4	10	74.6	262.1	- 5.2	78.0	19	15	+ 3.6	4.2	3.1	-0.4	0	17	0	0	10	0	0	0	0	0
GANGETIC WEST BENGAL																												
BERHAMPORE	32.4	-0.4	36.5	28	25.0	-0.8	23.0	05	145.3	264.3	+ 35.7	54.0	10	16	+ 4.4	4.6	3.0	-0.7	0	20	0	0	3	0	0	0	0	0
SURI	31.7	0.0	34.4	10	25.5	+0.3	23.0	18	..	357.3	+ 36.6	104.6	18	15	+ 3.0	.	4.6	-2.5	0	18	0	0	8	0	0	0	0	0
ASANSOL	32.6	+0.7	35.2	24	24.9	-0.4	23.5	05	83.3	262.7	+ 49.3	60.8	17	13	+ 2.0	8.1	5.9	-0.3	1	16	0	0	14	0	0	0	0	0
SHANTI NIKETAN	31.7	..	34.4	10	25.6	..	23.2	17	155.8	351.1	..	76.5	17	19	..	9.6	7.9	..	0	21	0	0	16	0	0	0	0	0
KRISHNANAGAR	32.6	-0.3	35.1	25	25.3	-0.2	21.0	05	109.5	197.8	+ 1.2	42.0	05	11	- 0.2	4.5	4.2	-0.2	1	21	0	0	8	0	0	0	0	0
PURULIA	31.1	-0.3	33.3	22	22.5	-1.8	20.6	03	206.2	397.4	+128.2	77.8	17	17	+ 4.0	6.5	4.6	-0.1	0	20	0	0	15	0	0	0	0	0
BANKURA	32.6	..	34.5	09	25.2	..	24.1	04	118.8	236.8	+ 39.9	52.5	17	15	+ 4.3	4.8	3.2	..	1	21	0	0	0	0	0	0	0	0
BURDWAN	32.2	0.0	34.5	07	24.1	-1.6	20.2	14	51.2	255.9	+ 39.0	71.0	10	14	+ 2.9	12.7	11.1	+5.9	0	14	0	0	0	0	0	0	0	0
CALCUTTA (DUM DUM)	31.6	-0.4	33.6	09	25.6	-0.3	24.2	11	136.3	295.5	+ 9.1	65.7	11	16	+ 2.6	11.7	7.7	-0.7	1	20	0	0	15	0	0	0	1	0
CALCUTTA	31.9	-0.4	34.3	24	25.6	-0.5	23.8	20	146.8	316.6	+ 63.9	98.5	11	14	+ 0.6	9.3	6.5	+2.2	1	18	0	0	14	0	0	0	3	0
MIDNAPORE	31.4	-0.7	33.5	07	25.4	-0.2	23.5	16	201.7	490.7	+263.9	190.5	16	13	+ 0.8	..	..	..	0	15	0	0	2	0	0	0	0	0
HALDIA	30.8	-0.4	34.4	09	25.7	-0.2	24.3	20	275.3	877.7	+532.9	447.1	03	15	+ 0.9	11.0	6.7	+1.1	0	17	0	0	0	0	0	0	0	0
SAGAR ISLAND	30.2	-0.3	33.1	09	26.3	-0.3	22.3	03	352.3	665.3	+409.3	246.7	03	16	+ 3.0	20.1	20.0	+3.4	0	20	0	0	5	0	0	0	1	0
SANDHEADS	30.3	..	33.2	09	26.4	..	21.6	10	264.9	596.4	+460.0	216.0	03	12	+ 3.5	..	..	..	0	14	0	0	7	0	0	0	0	0
ORISSA																												
BARIPADA	31.7	-0.5	34.0	07	24.1	-0.8	22.1	04	258.0	645.6	+239.6	257.1	03	15	- 2.0	3.0	1.8	+0.1	0	22	0	0	22	0	0	0	0	0
JHARJHARIA	31.4	+0.1	35.4	08	23.4	-1.0	22.0	05	67.3	179.3	- 85.4	37.3	15	12	- 1.1	8.9	6.6	-0.6	0	22	0	0	16	0	0	0	0	0
KEONJHARGARH	30.8	+1.1	31.9	05	22.9	-0.1	21.7	04	179.0	264.2	- 39.0	107.8	04	13	- 0.2	6.8	6.0	+0.6	0	16	0	0	0	0	0	0	0	0
PARADIP	31.3	0.0	34.0	09	25.2	-0.6	23.2	11	145.4	351.8	+ 84.1	159.4	03	13	0.0	6.7	7.9	+1.7	0	20	0	0	2	0	0	0	0	0
SAMBALPUR	31.4	-0.1	33.7	24	23.8	-1.0	21.8	27	122.5	276.5	..	..	..	..	..	5.6	3.8	-1.7	.	..	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - -SEPTEMBER,1967BHADRA 10 - ASVINA 8,1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28
ORISSA(CONTD.)																												
ANGUL	31.7	+0.1	34.3	09	23.3	-1.6	22.0	30	45.5	117.7	- 77.1	22.2	12	11	- 0.6	9.2	7.0	+0.6	1	13	0	0	2	1	0	0	0	0
CHANDBALI	30.8	-0.7	33.9	08	25.1	-0.6	23.0	27	165.6	431.4	+167.2	91.2	26	12	- 0.7	6.5	5.2	-3.0	0	15	0	0	1	0	0	0	0	0
BOLANGIR	31.8	+0.3	34.8	22	24.6	+0.2	22.0	28	144.8	247.6	- 78.5	43.8	27	12	- 0.6	4.8	4.2	-2.3	0	16	0	0	0	0	0	0	0	0
PHULBANI	29.6	..	32.0	25	22.0	..	20.7	11	33.5	209.3	..	105.0	11	12	..	6.0	3.5	..	0	16	0	0	0	0	0	0	0	0
CUTTACK	32.2	0.0	35.7	09	25.7	+0.2	24.1	28	112.4	203.4	- 33.1	68.6	27	14	+ 1.0	6.7	4.4	-0.4	0	14	0	0	2	0	0	0	0	0
TITLAGARH	31.8	+0.7	34.7	09	24.2	0.0	22.8	30	47.9	105.8	-199.4	24.8	11	9	- 4.4	3.6	2.7	0.0	0	15	0	0	3	0	0	0	0	0
BHUBANESWAR	31.3	-0.1	34.1	25	24.6	-0.5	23.0	28	148.4	388.8	+ 83.8	156.8	27	13	- 0.4	13.5	10.6	-0.3	2	16	0	0	15	0	0	0	0	0
PURI	32.7	+1.3	35.0	09	25.2	-1.4	20.0	04	81.5	235.1	+ 7.3	35.5	26	10	- 2.4	14.5	14.5	-1.4	0	11	0	0	0	0	0	0	0	0
GOPALPUR	31.2	-0.4	34.3	09	24.4	-1.4	21.0	11	20.1	88.9	-106.4	28.8	11	11	+ 1.8	12.9	9.7	-2.3	0	14	0	0	6	0	0	0	0	0
KORAPUT	26.2	-0.1	28.8	22	19.3	-0.8	17.6	06	127.8	181.9	- 52.4	34.3	12	14	+ 0.1	..	..	..	0	21	0	0	0	0	0	0	0	0
BIHAR PLATEAU																												
DUMKA	32.1	+0.2	35.5	09	24.7	0.0	22.9	17	63.6	115.9	-124.6	25.8	17	8	- 4.0	8.0	5.6	+1.2	0	14	0	0	2	0	0	0	0	0
DALTONGANJ	32.8	+1.9	36.7	06	23.6	-0.8	20.9	30	80.4	278.6	+ 81.7	56.4	04	18	+ 8.1	..	..	..	0	19	0	0	0	0	0	0	0	0
HAZARIBAGH	28.7	-0.8	30.9	23	21.3	-1.1	19.5	30	43.9	136.9	- 82.8	41.6	04	7	- 4.6	11.1	8.2	+0.3	0	16	0	0	5	0	0	0	0	0
DHANBAD	31.4	+0.2	34.0	10	23.8	-0.5	22.2	30	98.6	273.4	+ 47.5	76.8	04	11	0.0	2.5	2.0	-5.6	1	16	0	0	0	0	0	0	0	0
RANCHI	29.4	+0.2	30.6	10	20.6	-1.3	15.2	24	80.1	270.4	+ 38.0	125.0	04	10	- 1.8	..	..	..	0	10	0	0	0	0	0	0	0	0
RANCHI AERODROME	28.4	-0.1	30.4	23	21.8	-0.5	20.4	30	91.1	267.9	+ 4.1	64.2	04	12	- 1.9	13.3	9.6	-0.5	0	16	0	0	6	1	0	0	0	0
JAMSHEDPUR	32.2	+0.1	34.8	09	24.9	-0.5	21.4	11	163.6	298.9	+100.4	69.1	04	16	+ 4.9	4.8	6.2	+0.4	2	20	0	0	9	0	0	0	0	0
JAMSHEDPUR P.B.O.	31.4	-0.1	33.6	09	24.8	-0.1	22.9	04	123.8	280.4	+ 10.6	72.2	04	13	+ 0.9	8.4	5.5	-0.3	0	21	0	0	20	0	0	0	0	0
CHAIBASA	31.6	-0.1	33.4	10	23.4	-1.3	22.1	06	94.9	288.0	+ 91.1	96.6	03	11	- 0.7	5.0	3.2	+0.7	0	14	0	0	3	0	0	0	0	0
BIHAR PLAINS																												
MOTIHARI	32.9	+0.9	34.7	08	21.9	-3.3	19.1	30	163.1	199.6	- 42.7	..	..	..	..	.	3.2	-0.4	..	..	0	0	0	0	0	0	0	0
FORBESGANJ	31.0	-2.0	34.2	02	24.8	+0.3	23.1	22	98.2	149.3	-120.1	52.2	20	8	- 2.0	9.6	6.9	+0.5	0	14	0	0	8	0	0	0	0	0
DARBHANGA	32.5	+0.3	34.4	03	24.9	-0.9	22.9	21	44.7	107.9	-134.4	26.9	12	6	- 3.8	6.5	5.4	+0.7	0	9	0	0	0	0	0	0	0	0
MUZAFFARPUR	31.7	..	34.3	03	25.7	..	22.6	21	49.3	154.4	- 68.9	60.8	20	6	- 3.6	..	..	..	1	11	0	0	1	0	0	0	0	0
CHAPRA	32.3	..	34.5	26	25.9	..	22.0	20	72.4	314.9	+ 94.0	147.0	20	8	- 0.9	5.0	5.6	..	0	9	0	0	0	0	0	0	0	0
PURNEA	31.8	-0.4	33.8	02	24.2	-1.1	23.0	27	90.6	205.2	- 63.0	54.6	19	11	- 0.9	5.1	3.5	-0.5	0	15	0	0	0	0	0	0	0	0
PATNA	32.3	0.0	35.4	03	24.7	-1.6	21.9	21	128.2	593.8	+356.1	355.8	20	7	- 2.7	8.6	8.4	+1.7	0	10	0	0	0	0	0	0	0	0
PATNA AERODROME	31.5	-0.5	33.8	03	25.0	-0.8	22.4	20	94.7	477.7	+233.5	273.5	20	5	- 5.8	10.1	7.5	+1.4	0	10	0	0	10	0	0	0	0	0
ARRAH	..	..	..	..	..	..	..	..	..	2.3	-248.3	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
BHAGALPUR	32.3	-0.2	36.6	26	25.9	0.0	24.2	17	117.5	257.6	+ 12.0	94.2	19	7	- 3.9	8.8	7.2	+1.2	1	12	0	0	9	0	0	0	0	0
SABAUR	31.8	-0.3	33.5	24	24.6	-1.2	23.0	17	143.0	274.6	+ 58.2	93.8	18	8	- 2.3	10.5	7.9	+0.8	0	12	0	0	9	0	0	0	0	0
JAMUI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
DEHRI	31.5	-0.5	33.6	25	24.4	-1.1	22.4	26	60.5	283.1	+ 68.2	112.0	10	11	+ 1.9	5.4	4.0	-0.8	0	13	0	0	3	0	0	0	0	0
GAYA	32.0	-0.6	34.4	03	25.1	-0.5	23.0	30	168.7	432.7	+235.3	115.5	19	12	+ 1.7	9.3	7.8	-1.0	1	15	0	0	9	0	0	0	0	0
UTTAR PRADESH EAST																												
KHERI	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BAHRAICH	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
NAUTANWA	32.9	+0.4	35.2	15	23.6	-1.8	21.6	24	5.2	220.4	- 5.6	69.4	19	9	+ 0.5	..	..	..	0	11	0	0	0	0	0	0	0	0
HARDOI	32.6	-0.5	35.2	29	24.7	-0.4	21.1	30	127.0	316.1	+130.5	66.0	02	9	+ 2.4	6.2	4.8	-0.9	0	9	0	0	0	0	0	0	0	0
GONDA	33.3	+0.8	35.5	30	24.4	-0.5	20.1	30	50.0	127.6	-117.0	26.4	17	6	- 4.3	4.4	3.7	-0.9	0	6	0	0	0	0	0	0	0	0
LUCKNOW	33.2	+0.2	35.5	25	25.0	-0.1	19.5	16	16.8	59.2	-153.9	24.6	16	5	- 3.6	..	..	..	0	10	0	0	1	0	0	0	0	0
LUCKNOW(AMAUSI)	33.1	+0.2	35.2	25	24.6	-0.3	20.4	30	50.4	191.4	+ 45.1	68.5	03	9	+ 1.7	10.5	6.6	-0.5	0	11	0	0	10	0	0	0	2	0
FAIZABAD	33.4	+1.0	35.5	30	23.1	+0.8	20.8	30	33.7	146.2	- 31.4	70.6	17	9	- 0.6	..	..	..	1	11	0	0	3	0	0	0	0	0
GORAKHPUR	33.6	+1.0	35.9	27	25.0	-0.6	22.1	15	35.5	88.9	-142.5	29.0	29	6	- 4.0	6.4	4.0	+0.7	0	9	0	0	0	0	0	0	0	0
KANPUR	32.9	+0.2	36.3	25	24.5	-0.4	20.9	30	41.5	131.7	- 47.4	37.0	03	7	- 0.6	11.5	9.1	+0.1	0	9	0	0	0	0	0	0	0	0
KANPUR(AERODROME)	32.9	..	35.4	25	24.5	..	20.3	30	31.1	133.1	..	33.1	05	9	..	..	..	..	0	12	0	0	9	0	0	0	1	0
SULTANPUR	33.3	+0.8	35.5	29	23.0	-2.1	20.9	17	11.0	30.4	-178.8	9.8	05	4	- 3.0	4.7	3.7	-1.1	0	4	0	0	3	0	0	0	0	0
AZAMGARH	32.7	+0.8	35.4	25	23.5	-0.8	21.2	30	43.6	132.6	-111.0	40.0	16	9	- 0.6	3.7	2.7	..	0	12	0	0	0	0	0	0	0	0
FATEHPUR	33.0	+0.3	36.4	25	24.8	-0.2	22.0	30	101.8	229.2	+ 74.3	43.0	17	8	0.0	6.3	4.0	0.0	0	10	0	0	1	0	0	0	0	0
BALLIA	31.9	-1.4	34.5	13	21.8	-3.3	19.6	16	21.8	158.8	- 2.5	30.8	15	10	+ 2.2	6.2	3.9	-1.2	0	10	0	0	0	0	0	0	0	0
BANDA	32.5	-0.6	35.3	06	24.6	-0.2	22.5	30	83.4	284.4	+132.4	114.2	05	8	- 1.0	1.0	0.9	-1.1	0	12	0	0	0	0	0	0	0	0
ALLAHABAD(BAMHRAULI)	33.0	+0.2	36.0	29	24.6	-0.6	22.5	15	65.1	250.4	+ 33.0	64.6	11	13	+ 4.5	6.2	4.4	-2.2	0	15	0	0	14	1	0	0	1	0
VARANASI(BABATPUR)	32.3	-0.1	34.8	26	24.8	-0.6	22.1	30	79.4	110.6	-150.4	25.4	12	7	- 3.0	10.9	8.5	-0.3	0	14	0	0	11	0	0	0	0	0
VARANASI	32.6	-0.1	35.0	25	24.3	-1.1	22.4	30	35.0	84.8	-123.2	21.2	11	9	- 0.1	.	4.4	-2.0	0	10	0	0	0	0	0	0	0	0
UTTAR PRADESH WEST																												
MUKHIM	23.3	+0.1	24.8	28	15.7	0.0	13.7	26	90.2	175.8	- 66.0	78.6	15	7	- 5.7	..	..	..	1	10	0	0	4	1	0	0	0	0
TEHRI	32.2	-0.1	34.0	07	21.5	-0.2	16.4	30	8.7	43.5	-101.7	13.5	01	6	- 1.8	4.2	2.3	..	3	7	0	0	5	0	0	0	0	0
DEHRA DUN	29.6	0.0	31.0	25	20.6	-0.7	16.8	30	115.5	202.4	-102.1	62.8	07	12	+ 0.2	1.1	0.7	-2.1	0	16	0	0	7	0	0	0	0	0
MANSIARI	20.7	..	22.6	14	13.1	..	10.1	30	..	340.2	..	64.0	09	17	..	..	..	..	0	24	..	..	..	..	..	.	..	.

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - -SEPTEMBER,1967BHADRA 10 - ASVINA 6,1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST (CONTD.)																												
ROORKEE	32.3	-0.1	34.2	28	22.7	-0.7	17.3	30	93.7	130.0	- 50.9	57.4	15	7	+ 0.8	5.6	3.6	-0.6	0	8	0	0	2	0	0	0	0	0
NAJIBABAD	32.0	-0.7	33.7	29	23.1	-0.4	17.6	30	460.0	419.0	+239.0	752.1	10	80	+73.1	52.0	43.0	+8.4	0	80	0	0	70	0	0	0	0	0
MEERUT	32.8	-0.6	36.0	27	21.8	-2.5	18.0	30	..	144.0	- 7.1	51.0	15	6	+ 0.6	.	1.2	-4.8	0	6	0	0	0	0	0	0	0	0
BAREILLY	32.9	-0.1	36.5	15	24.5	-0.2	20.7	30	99.0	263.1	+ 69.3	80.5	03	9	+ 1.8	6.9	4.7	+0.5	0	10	0	0	1	0	0	0	0	0
ALIGARH	32.5	-1.0	35.8	27	24.1	-0.4	20.2	30	91.2	159.4	+ 2.7	51.2	03	7	- 0.2	10.3	7.7	+1.3	0	10	0	0	0	0	0	0	0	0
MAINPURI	32.8	-0.9	36.3	29	24.6	-0.1	21.5	29	114.0	166.2	+ 28.5	60.2	03	7	+ 0.3	..	..	..	0	8	0	0	0	0	0	0	0	0
AGRA	32.0	-1.2	35.7	28	24.3	-0.3	22.0	30	72.8	130.1	- 3.8	34.0	02	8	+ 1.9	..	..	..	0	8	0	0	0	0	0	0	0	0
AGRA AERODROME	32.9	..	38.6	25	24.1	..	20.8	30	86.0	142.4	..	33.3	01	6	..	..	..	..	0	10	0	0	5	0	0	0	0	0
ORAI	32.1	-0.9	36.0	30	24.3	+0.2	22.0	30	77.3	228.6	+ 75.0	56.8	17	10	+ 2.5	..	..	..	0	12	0	0	8	0	0	0	0	0
JHANSI	32.2	-0.3	35.2	30	23.4	-0.7	20.6	29	141.8	562.3	+407.1	126.0	04	12	+ 4.8	4.4	4.9	+0.6	0	12	0	0	0	0	0	0	0	0
HARYANA (INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	33.0	+0.5	35.1	06	22.5	+0.3	18.7	30	47.8	123.1	-103.3	116.0	11	2	- 4.7	..	..	..	0	5	0	0	0	0	0	0	0	0
AMBALA	33.4	-2.0	39.5	06	23.5	-0.4	18.5	29	17.4	148.0	+ 3.2	91.4	14	3	- 2.1	10.6	7.3	+2.4	0	6	0	0	0	0	0	0	0	0
AMBALA AERODROME	33.4	..	35.0	06	21.8	..	15.0	30	69.0	176.3	..	68.3	12	5	..	..	..	..	1	5	0	0	7	0	0	0	0	0
KARNAL	32.4	-0.9	34.4	26	23.8	+0.2	18.5	30	16.5	39.0	- 97.2	17.1	12	3	- 2.4	6.0	4.4	..	0	6	0	0	0	0	0	0	0	0
HISSAR	34.1	-1.6	37.5	26	23.2	-0.7	19.4	08	8.6	47.2	- 33.8	33.8	14	3	- 0.5	8.6	7.1	+0.2	0	4	0	0	2	0	0	0	0	0
NEW DELHI/SAFDARJUNG	32.3	-1.8	35.2	26	23.8	-0.8	21.6	30	101.0	132.6	- 2.3	37.9	02	8	+ 3.1	14.5	9.1	-0.5	0	12	0	0	4	0	0	0	0	0
PALAM AERODROME	32.1	..	35.4	28	22.9	..	18.2	30	74.5	264.5	..	95.2	14	10	..	..	..	..	0	13	0	0	4	0	0	0	1	0
PUNJAB																												
PATHANKOT	32.3	-0.5	34.4	06	21.6	-0.8	17.0	30	5.9	285.8	+114.5	119.1	12	10	+ 2.5	..	..	..	0	12	0	0	13	1	0	0	0	0
AMRITSAR	34.1	-0.3	36.0	06	23.4	+0.1	18.7	30	4.2	121.8	+ 26.7	45.3	04	4	+ 0.2	..	..	..	0	8	0	0	6	0	0	0	1	0
ADAMPUR AERODROME	34.5	..	36.5	25	22.9	..	16.7	30	..	..	..	..	..	..	..	..	..	..	.	..	0	0	7	0	0	0	0	0
LUDHIANA	34.5	-0.8	37.0	22	23.8	-0.1	19.4	30	6.2	60.2	- 55.6	41.4	01	4	0.0	4.8	2.8	-0.1	0	6	0	0	4	0	0	0	0	0
FEROZEPUR	35.4	+0.8	37.4	11	23.2	-0.2	19.4	27	26.4	49.0	- 73.3	26.4	15	2	- 1.4	3.6	2.4	+0.4	0	2	0	0	0	0	0	0	0	0
HALWARA AERODROME	33.8	..	36.7	21	22.2	..	16.6	30	2.8	29.4	..	12.2	11	3	..	..	..	..	0	4	0	0	7	0	0	0	2	0
PATIALA	33.7	-0.7	35.6	11	23.4	-0.4	19.0	30	26.8	56.4	- 56.1	28.2	03	3	- 1.6	7.7	5.6	-0.3	0	5	0	0	3	0	0	0	0	0
BHATINDA	35.7	+0.3	37.9	27	22.5	-1.4	18.4	27	0.0	11.0	- 94.0	11.0	16	1	- 3.0	8.3	3.7	-1.0	0	1	0	0	0	0	0	0	0	0
HIMACHAL PRADESH																												
MANDI	30.9	+1.0	32.5	07	19.9	+0.6	14.1	29	73.[illegible]	134.9	- 88.5	49.5	12	9	- 3.9	..	..	..	0	11	0	0	2	0	0	0	0	0
BILASPUR	30.1	-1.3	32.2	26	19.5	-2.1	14.4	30	44.[illegible]	[illegible]	- 14.5	57.0	12	6	- 2.5	4.7	3.2	-0.1	0	7	0	0	6	0	0	0	0	0
JAMMU AND KASHMIR																												
MISGAR	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	.	.
GILGIT	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	.	.
SKARDU	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	.	.
DRAS	..	..	..	..	..	..	..	..	..	6.6	- 12.3	4.2	17	2	+ 0.4	..	..	..	0	2	..	..	..	..	..	..	.	.
SONAMARG	..	..	..	..	..	..	..	..	..	59.4	- 31.0	24.0	27	4	- 3.0	..	..	..	0	5	..	..	..	..	..	..	.	.
LEH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	.
SRINAGAR	28.9	+0.6	33.6	12	13.1	+0.4	7.1	30	12.9	27.2	- 12.7	11.2	27	3	- 0.4	4.8	4.0	+0.3	1	5	0	0	1	0	1	0	0	0
SRINAGAR AERODROME	27.9	..	32.5	07	13.4	..	6.9	29	15.2	18.9	..	12.3	27	2	..	..	..	..	0	2	0	0	5	0	0	0	0	0
GULMARG	19.4	+1.2	24.1	11	5.7	+0.2	0.3	29	28.1	42.5	- 27.1	13.8	14	5	- 0.3	8.9	5.2	+0.1	0	7	0	1	5	2	0	0	0	0
QAZIGUND	26.2	..	29.8	12	..	..	..	..	20.0	31.1	..	7.7	14	5	..	2.1	2.1	..	0	5	0	1	1	0	0	0	0	0
BANIHAL	27.1	..	31.4	03	13.2	..	6.1	30	16.5	42.1	..	9.2	16	7	..	..	..	..	1	8	0	0	3	0	0	0	0	0
JAMMU	33.2	-0.1	38.9	12	22.8	-1.1	18.3	27	43.7	227.7	+104.0	75.8	11	7	+ 2.3	4.0	3.5	..	0	8	0	0	3	0	0	0	0	0
JAMMU AERODROME	32.9	..	35.1	06	23.6	..	18.6	29	23.6	142.6	..	41.7	10	7	..	..	..	..	1	10	0	0	15	0	0	0	0	0
GULMARG (RESEARCH INSTITUTE)	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	.	.
RAJASTHAN, WEST																												
GANGANAGAR	36.3	-0.3	38.1	11	23.1	-1.0	19.5	27	33.0	41.6	- 53.6	32.8	19	2	- 1.6	5.4	3.8	-2.4	0	2	0	0	2	0	0	0	0	0
ANUPGARH	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	.	.
MAHAJAN	37.1	..	39.4	26	23.9	..	20.0	30	33.0	43.7	..	33.0	05	3	..	13.0	9.3	..	0	3	0	0	0	0	0	0	0	0
CHURU	33.9	-1.1	37.0	28	22.2	-1.9	18.8	30	83.4	114.7	+ 61.2	36.7	05	5	+ 1.5	12.8	9.2	0.0	0	7	0	0	4	0	0	0	0	0
BIKANER	35.8	-0.8	39.0	29	24.4	-0.8	21.1	27	10.2	63.7	+ 23.6	32.5	10	4	+ 1.8	12.1	10.3	+0.9	0	5	0	0	3	0	0	0	0	0
NAGAUR	34.0	+0.2	39.0	29	22.5	-1.9	19.9	27	37.6	53.0	+ 29.6	22.8	05	5	+ 2.7	11.5	8.8	-0.1	0	7	0	0	0	0	0	0	0	0
PHALODI	35.2	-0.3	40.5	30	24.3	-0.3	20.6	23	8.0	18.6	- 7.8	10.6	04	2	0.0	17.7	14.4	-2.2	0	2	0	0	0	0	0	0	0	0
JAISALMER	36.5	+0.2	41.0	02	24.3	-0.2	22.3	24	0.0	47.9	+ 32.3	47.4	09	1	+ 0.1	19.2	18.0	+1.9	1	2	0	0	0	0	0	0	0	0
JODHPUR	33.7	-1.0	38.8	28	23.1	-1.0	20.7	30	45.[illegible]	143.1	+ 85.7	65.7	07	6	+ 3.4	..	..	..	0	6	0	0	3	0	0	0	1	0
BARMER	36.4	+1.1	42.4	28	24.9	+0.4	22.5	05	8.6	37.6	+ 17.3	13.0	07	5	+ 3.6	11.1	9.1	-0.5	0	6	0	0	1	0	0	0	0	0
PRINPURA (JAWAI DAM)	31.9	+0.2	36.6	30	22.7	-1.2	21.3	30	100.2	249.6	+ 88.3	120.0	07	11	+ 3.6	8.6	6.3	-0.9	0	15	0	0	13	0	0	0	0	0
RAJASTHAN, EAST																												
PILANI	33.2	-1.1	37.5	27	20.8	-2.3	17.5	29	29.8	48.2	- 27.5	10.6	06	5	- 0.5	13.7	10.6	+0.5	0	6	0	0	0	0	0	0	0	0
SIKAR	32.5	-1.2	36.6	29	21.6	-1.5	17.0	27	15.2	36.7	- 26.5	15.1	10	4	- 0.1	8.2	6.1	-1.2	0	4	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - -SEPTEMBER,1967BHADRA 10 - ASVINA 8,1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
RAJASTHAN, EAST (CONTD.)																												
ALWAR	32.2	-1.2	35.7	30	23.3	-1.6	19.1	30	112.1	199.9	+ 47.7	58.0	13	6	+ 0.6	6.3	4.1	+0.3	0	14	0	0	1	0	0	0	0	0
JAIPUR(SANGANER)	32.0	-1.2	37.0	27	22.2	-0.8	20.0	28	104.2	174.1	+ 89.3	22.0	04	12	+ 7.0	..	..	..	0	14	0	0	5	0	0	0	1	0
DHOLPUR	35.9	+2.0	36.0	04	26.5	+2.1	19.3	30	128.8	207.2	+ 78.0	77.0	04	7	- 0.3	5.2	3.1	-2.3	0	7	0	0	1	0	0	0	0	0
AJMER	31.3	-0.8	36.0	28	22.9	-0.8	20.0	27	35.8	96.8	+ 23.9	37.2	07	6	+ 3.9	13.7	10.9	+2.5	0	12	0	0	0	0	0	0	0	0
TONK	32.7	-0.1	37.5	29	23.2	-0.8	20.4	28	65.5	129.3	- 31.1	30.4	06	10	+ 2.4	9.8	7.4	+0.2	0	12	0	0	2	0	0	0	0	0
BHILWARA	31.5	..	35.9	29	21.6	..	15.5	28	61.3	175.9	..	105.0	06	5	..	..	..	..	0	7	0	0	2	0	0	0	0	0
KOTA	32.1	-1.0	37.4	29	20.4	-4.3	18.2	03	59.6	149.8	+ 20.8	42.2	03	11	+ 5.0	10.6	8.1	+2.6	0	13	0	0	1	0	0	0	0	0
KOTA AERODROME	32.4	..	38.0	30	23.6	..	21.2	28	52.4	170.3	..	51.8	03	9	..	14.1	11.8	..	0	14	0	0	4	0	0	0	0	0
CHAMBAL (RAWAT BHATTA DAM)	31.7	-0.2	35.8	30	22.1	-0.7	19.1	28	76.7	316.6	+ 29.0	111.0	05	10	+ 0.7	9.8	6.7	+0.8	0	12	0	0	4	0	0	0	0	0
UDAIPUR	30.5	-0.4	35.4	29	20.5	-1.6	17.6	28	65.9	151.1	+ 44.9	59.6	07	6	+ 0.3	4.9	2.9	-0.8	2	10	0	0	0	0	0	0	0	0
JHALAWAR	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BANSWARA	31.8	..	36.8	29	22.3	..	19.9	04	61.3	428.1	..	208.4	01	9	..	8.0	5.4	..	0	11	0	0	0	0	0	0	0	0
MADHYA PRADESH, WEST																												
GWALIOR	31.5	-0.9	35.2	29	23.3	-1.1	19.8	30	99.1	263.1	+ 84.9	74.3	03	7	- 0.5	10.0	6.7	+0.8	0	12	0	0	7	0	0	0	0	0
SHEOPUR	31.4	-1.1	35.9	29	23.0	-0.5	20.0	30	63.2	169.1	+ 56.7	50.8	06	8	+ 2.0	10.3	7.9	+1.8	0	13	0	0	2	0	0	0	0	0
SHIVPURI	29.8	..	34.4	29	19.6	..	16.0	28	112.2	478.8	..	130.8	02	9	..	11.3	7.8	..	0	12	0	0	0	0	0	0	0	0
NOWGONG	31.5	-0.9	35.2	25	22.9	-0.7	19.4	30	182.6	322.6	+160.0	78.0	15	12	+ 4.5	3.8	2.7	-1.7	0	13	0	0	2	0	0	0	0	0
GUNA	30.0	-0.7	34.6	30	21.6	-0.5	18.7	29	176.8	422.3	+186.6	104.6	06	13	+ 4.7	12.7	9.2	+1.8	1	16	0	0	2	0	0	0	0	0
NIMACH	30.4	-0.3	35.9	30	21.7	-0.4	19.8	28	84.6	274.6	+141.0	147.0	06	9	+ 2.6	12.6	10.2	+0.2	0	10	0	0	0	0	0	0	0	0
RAJGARH	30.2	-0.8	35.3	30	21.5	-0.8	18.2	30	44.4	314.6	+161.6	66.0	04	11	+ 2.7	11.6	9.0	+0.4	0	12	0	0	2	0	0	0	0	0
SAGAR	28.7	-0.6	34.9	30	20.9	-0.8	19.5	15	86.1	217.0	+ 21.2	47.2	05	11	+ 1.3	10.1	11.2	+1.6	0	12	0	0	0	0	0	0	0	0
RATLAM	30.4	+0.2	36.3	29	21.1	-0.9	19.1	02	31.6	181.2	- 81.3	58.4	02	9	- 0.7	12.5	9.9	+2.2	0	12	0	0	1	0	0	0	0	0
BHOPAL(BAIRAGARH)	29.4	-0.7	34.4	30	21.0	-0.9	17.7	29	43.1	189.0	- 51.0	37.2	15	10	+ 0.1	18.2	13.6	+4.6	1	17	0	0	0	0	0	0	0	0
UJJAIN	28.8	..	33.0	22	20.2	..	16.5	30	52.2	145.3	..	53.1	02	5	..	17.0	12.6	..	1	8	0	0	0	0	0	0	0	0
NARSINGHPUR	30.0	..	35.2	30	21.8	..	18.4	29	122.0	284.6	..	64.6	16	13	..	6.1	5.6	..	0	13	0	0	0	0	0	0	0	0
HOSHANGABAD	30.3	-0.4	34.6	30	22.3	-0.9	20.2	29	64.3	182.9	- 32.5	69.0	15	7	- 2.6	4.8	4.7	+0.3	0	16	0	0	0	0	0	0	0	0
INDORE	28.9	-0.4	35.4	30	20.4	-0.6	18.0	29	20.7	116.8	- 56.9	60.2	01	5	- 3.5	21.3	17.6	-0.9	1	11	0	0	0	0	0	0	0	0
RAJPUR(JHABUA)	30.3	0.0	36.0	29	22.5	+0.1	21.0	29	30.8	226.6	+ 58.1	102.4	01	8	- 1.3	13.6	10.9	+1.7	0	12	0	0	0	0	0	0	0	0
CHHINDWARA	28.5	-0.5	33.2	30	20.8	-0.5	17.0	29	42.9	82.9	-112.4	33.2	16	7	- 4.2	12.7	8.3	+1.9	0	12	0	0	0	1	0	0	0	0
SEONI	29.3	+0.1	33.8	30	21.5	-0.1	19.8	29	46.6	116.3	- 86.1	32.4	15	9	- 1.7	9.4	6.8	+0.8	1	15	0	0	3	0	0	0	0	0
BETUL	28.4	+0.1	33.3	30	19.6	-1.4	16.1	30	34.7	79.6	-180.3	16.3	01	7	- 4.4	8.4	5.9	-0.2	0	12	0	0	0	0	0	0	0	0
KHANDWA	31.4	+0.4	36.4	30	21.7	-1.0	19.4	30	2.4	61.6	- 85.7	53.6	01	2	- 5.4	15.1	11.4	+1.8	0	2	0	0	0	0	0	0	0	0
MADHYA PRADESH, EAST																												
SATNA	31.2	-0.3	34.2	25	23.8	0.0	22.0	06	81.7	367.1	+184.0	102.0	05	12	+ 2.8	6.6	4.9	-0.4	0	15	0	0	4	0	0	0	0	0
REWA	31.4	..	34.4	30	22.8	..	20.5	06	104.0	361.1	..	141.9	05	11	..	5.8	3.5	..	0	14	0	0	0	0	0	0	0	0
SIDHI	31.8	-0.1	34.6	30	23.7	0.0	21.5	30	196.4	361.6	+124.9	158.2	05	11	- 0.2	5.0	3.3	-2.2	0	13	0	0	0	0	0	0	0	0
UMARIA	29.9	-0.6	33.0	30	22.5	-0.3	20.4	06	71.2	237.4	+ 1.5	54.8	18	12	+ 0.9	6.4	4.5	0.0	1	15	0	0	7	3	0	0	0	0
JABALPUR	29.9	-0.9	33.8	30	22.8	-0.3	21.0	30	142.0	316.2	+104.9	88.0	04	13	+ 3.1	8.3	5.9	+0.2	0	14	0	0	3	0	0	0	0	0
AMBIKAPUR	29.2	-0.3	31.6	22	20.7	-1.4	17.6	30	97.9	239.1	+ 15.3	35.0	11	14	+ 1.6	9.8	7.3	-0.2	1	20	0	0	6	0	0	0	0	0
JASHPURNAGAR	28.4	..	30.8	22	20.8	..	17.2	30	157.8	331.2	..	51.8	26	15	..	6.8	4.9	..	0	17	0	0	0	0	0	0	0	0
PENDRA	28.4	-0.5	30.9	25	21.8	-0.2	19.8	06	76.9	156.1	- 50.2	21.4	13	14	+ 2.6	8.3	6.2	+0.4	0	18	0	0	12	0	0	0	0	0
MANDLA	29.3	-0.9	33.0	30	21.8	-0.5	18.6	30	110.2	197.0	- 12.2	57.4	16	10	- 1.3	7.2	4.3	+1.2	0	12	0	0	1	2	0	0	0	0
CHAMPA	30.9	-0.6	33.8	22	23.9	-0.8	22.2	14	55.6	176.2	- 57.9	36.6	17	10	- 1.9	7.4	6.2	+0.8	0	15	0	0	12	0	0	0	0	0
RAIGARH	31.5	-0.3	34.0	30	24.2	-0.5	21.8	05	57.2	117.5	-223.9	32.2	16	10	- 4.7	6.3	5.2	-0.1	0	15	0	0	0	0	0	0	0	0
RAIPUR	30.5	-0.5	33.1	22	23.6	-0.5	21.7	12	75.6	189.1	- 24.0	88.2	12	8	- 2.5	10.2	8.1	+0.7	1	16	0	2	10	0	0	0	0	0
KANKER	29.6	-0.3	32.5	22	23.5	+0.4	21.9	30	98.0	112.6	-132.0	24.2	20	9	- 3.1	7.5	7.3	+1.3	0	13	0	0	4	0	0	0	0	0
JAGDALPUR	29.6	+0.1	32.0	22	22.3	0.0	19.4	30	66.1	197.0	- 64.4	43.5	26	15	+ 1.1	..	..	..	3	21	0	0	11	3	0	0	2	0
GUJARAT REGION(INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DEESA	33.0	0.0	38.6	29	23.1	-0.4	21.2	30	41.6	84.2	- 1.1	34.4	07	5	+ 1.2	9.2	6.7	..	0	7	0	0	0	0	0	0	0	0
RADHANPUR	33.4	-0.4	38.9	30	24.2	+0.2	20.7	30	65.4	73.4	-160.0	25.0	07	4	- 2.6	9.9	6.9	+0.2	0	8	0	0	0	0	0	0	0	0
IDAR	30.8	-0.6	37.6	30	23.0	0.0	19.8	30	37.2	111.4	- 43.2	34.2	02	7	- 1.1	8.5	5.8	0.0	0	7	0	0	0	0	0	0	0	0
AHMADABAD	33.1	0.0	38.6	29	24.1	-0.1	22.0	29	26.1	70.7	- 46.1	23.0	07	8	+ 2.8	6.6	4.7	-2.3	0	10	0	0	0	0	0	0	0	0
DOHAD	30.4	+0.1	36.6	29	21.7	-0.9	19.1	02	20.4	233.0	+ 57.4	89.4	01	6	- 1.0	16.0	15.0	-1.8	0	11	0	0	2	0	0	0	0	0
VALLABH VIDYANAGAR	32.9	..	37.2	29	23.9	..	22.9	28	57.9	98.8	..	26.4	11	9	..	8.1	6.1	..	0	12	0	0	1	0	0	0	0	0
BARODA AERODROME	32.8	+0.1	38.2	29	24.1	-0.3	23.2	30	34.7	107.8	- 65.9	35.0	06	9	+ 1.7	7.8	7.3	-0.6	0	10	0	0	0	0	0	0	0	0
BARODA	33.5	+0.9	38.6	29	24.5	+0.4	23.4	07	32.0	116.8	- 58.3	39.1	06	8	+ 1.1	7.4	6.3	+1.5	0	9	0	0	0	0	0	0	0	0
BROACH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7.9	5.9	-1.7	.	..	0	0	0	0	0	0	0	0
SURAT	32.3	+0.7	36.6	25	24.1	0.0	22.3	13	28.0	63.6	-102.3	19.0	15	6	- 2.0	10.9	9.3	+2.0	0	13	0	0	0	0	0	0	0	0
SAURASHTRA AND KUTCH(INCLUDING DIU																												
NALIYA	30.2	-0.6	32.2	29	23.4	-0.8	20.2	28	20.6	24.6	-219.4	20.6	18	2	- 3.3	19.4	13.7	-1.0	0	2	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - -SEPTEMBER,1967BHADRA 10 - ASVINA 8,1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line-Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
SURASHTRA AND KUTCH (INCLUDING DIU) (CONTD.)																												
BHUJ (RUDRAMATA)	33.8	+0.6	37.9	29	24.5	+0.4	22.3	23	1.4	1.5	- 47.3	1.4	18	0	- 2.2	20.1	15.2	+2.2	1	1	0	0	1	0	0	0	0	0
KANDLA AERODROME	34.0	..	37.3	29	24.2	..	22.3	23	18.9	32.3	..	23.2	29	3	..	24.6	20.1	..	0	3	0	0	0	0	0	0	0	0
NEW KANDLA	32.9	+0.8	37.2	30	25.2	0.0	23.8	30	..	5.2	- 62.4	3.0	29	1	- 4.0	24.3	22.0	+0.4	0	3	0	0	0	0	0	0	0	0
MANDVI	31.0	+0.5	33.6	29	24.7	-0.7	22.3	23	2.0	5.9	- 98.5	3.9	14	1	- 5.2	28.7	25.8	-0.7	0	2	0	0	0	0	0	0	0	0
SURENDRANAGAR	34.2	+1.0	38.6	30	24.7	+0.4	22.8	04	1.8	14.0	-122.7	9.0	07	1	- 6.3	12.9	11.9	-1.4	0	4	0	0	0	0	0	0	0	0
OKHA	30.3	..	31.1	02	25.7	..	23.9	18	1.2	5.8	..	4.0	17	1	..	22.3	20.7	..	0	4	0	0	0	0	0	0	0	0
JAMNAGAR AERODROME	32.6	+0.7	35.3	27	24.0	+0.1	21.4	17	2.2	2.2	- 54.4	1.8	18	0	- 2.7	..	..	..	0	2	0	0	0	0	0	0	0	0
DWARKA	30.6	+1.1	31.4	05	26.5	+1.1	25.0	17	..	..	..	..	..	..	..	20.4	19.3	+4.3	0	0	0	0	0	0	0	0	0	0
RAJKOT	33.7	+0.8	37.0	29	23.0	+0.1	21.5	15	14.6	71.4	-135.9	11.2	22	3	- 3.1	24.6	20.0	+2.6	3	8	0	0	0	0	0	0	0	0
BHAVNAGAR AERODROME	33.2	0.0	36.9	29	24.1	-0.1	23.0	09	45.0	63.5	- 64.1	33.2	13	5	- 1.7	18.4	15.5	+5.5	1	8	0	0	2	0	0	0	0	0
PORBANDER AERODROME	31.4	+1.6	34.6	29	25.4	+0.3	23.2	23	4.1	7.8	- 81.6	2.4	26	0	- 4.8	18.2	13.6	..	1	6	0	0	2	0	0	0	0	0
KESHOD	32.2	+1.1	35.3	29	23.1	-0.2	22.0	23	15.1	29.0	-100.5	9.3	27	4	- 3.0	24.3	16.3	+0.6	1	8	0	0	4	0	0	0	0	0
MAHUVA	32.6	..	36.3	30	23.0	..	21.5	04	19.4	26.1	-115.0	11.8	12	4	- 2.9	12.6	8.1	..	0	5	0	0	0	0	0	0	0	0
VERAVAL	30.7	+1.1	33.9	25	24.8	+0.2	22.7	19	22.9	30.0	- 31.2	10.8	27	4	+ 0.2	25.1	23.0	+7.7	2	10	0	0	3	0	0	0	0	0
DIU	30.4	..	34.4	30	25.1	..	22.6	28	47.7	51.0	..	36.2	28	2	..	19.5	15.8	..	0	7	0	0	2	0	0	0	0	0
KONKAN (INCLUDING GOA)																												
DAHANU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
BOMBAY (SANTACRUZ)	30.1	+0.2	31.5	30	24.2	+0.3	22.4	29	88.7	203.2	-128.1	44.1	28	14	+ 1.6	16.0	11.2	+0.4	2	21	0	0	6	0	0	0	4	0
BOMBAY	30.6	+0.5	31.5	30	24.8	+0.1	23.3	13	97.5	204.5	- 81.5	38.2	22	13	+ 0.4	11.3	9.9	-0.1	3	20	0	0	8	0	0	0	3	0
ALIBAG	29.6	+0.4	30.6	19	24.5	+0.1	23.1	30	..	248.3	- 92.6	53.6	21	15	+ 0.4	.	16.2	+2.5	2	23	0	0	5	0	0	0	0	0
BHIRA	29.8	..	32.0	21	21.7	..	20.3	14	235.4	396.4	..	78.6	24	24	..	3.3	1.8	..	0	28	0	0	1	0	0	0	0	0
HARNAI	28.6	+0.1	29.8	14	24.6	+0.3	23.3	21	154.3	479.7	+137.5	131.6	27	16	+ 0.6	15.5	15.1	+1.9	0	21	0	0	2	0	0	0	0	0
RATNAGIRI	29.2	+0.1	31.5	17	24.1	+0.3	23.0	04	232.7	536.7	+203.4	76.1	29	17	+ 1.5	12.1	9.6	..	1	21	0	0	2	0	0	0	0	0
DEVGARH	29.2	+0.1	30.6	20	23.3	-0.7	21.4	29	87.3	450.8	+123.8	161.2	24	14	- 2.1	17.8	17.3	+2.7	0	17	0	0	1	0	0	0	0	0
VENGURLA	29.2	-0.2	30.2	22	23.3	-0.2	21.9	13	148.8	344.1	+ 6.4	81.3	25	17	+ 0.8	10.7	6.1	..	1	19	0	0	2	0	0	0	0	0
PANJIM	29.3	..	31.5	15	23.8	..	23.0	26	137.3	255.2	..	47.0	30	16	..	13.2	10.7	..	0	20	0	0	1	0	0	0	0	0
MORMUGAO	28.6	+0.5	29.8	20	23.9	+0.1	22.8	26	93.0	266.4	+ 40.9	34.5	22	17	+ 2.5	15.1	14.1	+2.9	1	20	0	0	0	0	0	0	0	0
DABOLIM (NAVAL AIR STN.)	29.2	..	30.9	15	23.8	..	22.6	22	109.6	365.4	..	109.4	22	16	..	..	..	..	2	19	0	0	2	0	0	0	0	0
MADHYA MAHARASHTRA																												
NANDURBAR	31.1	+0.3	36.6	30	22.7	-0.4	21.1	18	..	125.8	- 31.5	23.9	01	9	+ 0.4	6.4	5.2	-3.9	0	14	0	0	0	0	0	0	0	0
JALGAON	32.4	+0.6	36.6	30	22.5	-0.4	19.5	29	26.8	60.2	-113.4	16.2	02	4	- 3.8	16.5	11.7	+1.0	0	6	0	0	0	0	0	0	0	0
MALEGAON	32.0	+0.9	35.2	30	20.2	-1.1	18.8	19	25.4	32.7	-109.3	19.1	24	3	- 5.1	13.2	9.9	+1.5	0	4	0	0	0	0	0	0	0	0
OZAR	29.5	..	33.0	30	19.3	..	17.6	19	80.5	65.9	..	18.8	26	4	..	19.1	15.1	..	0	0	0	0	0	0	0	0	0	0
AHMADNAGAR	32.0	+2.1	34.8	20	20.3	0.0	18.2	12	51.6	150.8	- 24.7	53.0	23	8	- 0.4	10.1	7.2	-0.5	0	11	0	0	0	0	0	0	0	0
KHANDALA	..	..	..	..	..	..	..	..	..	316.0	-355.1	33.0	12	24	+ 2.4	..	..	..	0	28	..	..	..	..	..	.	..	.
POONA AERODROME	29.5	..	31.8	20	19.4	..	17.6	16	42.8	127.2	..	46.2	23	8	..	..	..	..	1	13	0	0	7	0	0	0	0	0
POONA	28.8	0.0	30.7	21	20.7	0.0	18.9	17	27.0	124.3	- 5.8	32.3	25	10	+ 2.5	12.5	8.3	..	0	14	0	0	4	0	0.0	0	0	0
JEUR	31.7	+0.3	36.0	20	20.7	-0.2	17.2	07	32.0	90.2	- 51.1	42.0	23	6	- 1.7	15.6	13.0	+0.9	0	10	0	0	1	0	0	0	0	0
BARAMATI	30.6	+0.1	34.0	20	20.7	-0.3	18.8	13	4.4	66.2	- 63.7	17.0	24	8	+ 1.0	14.6	12.6	-1.0	0	9	0	0	3	0	0	0	0	0
SHOLAPUR	32.2	+0.7	35.0	20	21.2	-0.3	19.9	01	50.6	251.7	+ 62.0	60.8	29	14	+ 5.0	9.4	8.4	-0.9	0	15	0	0	1	0	0	0	0	0
MIRAJ	29.4	0.0	32.4	20	20.0	-0.5	17.9	17	21.7	150.0	+ 44.8	41.2	23	9	+ 3.1	..	..	..	0	12	0	0	3	0	0	0	0	0
KOLHAPUR	28.0	-0.5	30.4	20	20.2	-0.2	18.2	13	76.4	150.4	+ 54.6	53.2	25	10	+ 2.1	14.9	10.4	-1.6	2	15	0	0	0	0	0	0	0	0
MARATHWADA																												
AURANGABAD	31.0	+1.2	33.0	21	20.7	-0.2	18.8	06	50.4	95.0	- 75.2	34.6	26	6	- 2.9	16.6	13.6	+1.1	0	11	0	0	6	0	0	0	0	0
AURANGABAD (CHIKALTHAN)	31.2	+1.4	33.1	22	19.2	-1.4	17.7	07	7.7	54.3	- 81.3	19.9	26	6	- 2.7	16.7	13.0	-1.1	1	7	0	0	5	0	0	0	0	0
PARBHANI	32.0	+0.9	34.4	19	21.9	0.0	20.0	06	43.4	186.4	- 28.7	59.0	27	9	- 1.0	10.4	8.1	-2.1	0	10	0	0	7	0	0	0	0	0
NANDER	32.1	..	34.8	19	21.7	..	19.6	06	0.0	57.6	..	..	..	..	..	8.2	6.4	..	.	..	0	0	1	0	0	0	0	0
BIR	32.7	..	37.8	13	21.5	..	19.5	08	46.3	98.9	..	28.8	23	8	..	9.0	6.9	..	0	10	0	0	0	0	0	0	0	0
VIDARBHA																												
GONDIA	30.4	-0.4	34.1	30	23.7	-0.2	21.6	17	54.8	155.0	- 86.2	51.8	16	11	- 0.5	6.0	4.4	+0.2	0	15	0	0	5	0	0	0	0	0
NAGPUR (SONEGAON)	31.6	+0.1	34.8	30	22.8	-0.3	20.3	30	65.5	89.6	- 95.1	26.4	26	8	- 2.1	15.3	10.6	-0.3	3	12	0	0	7	0	0	0	0	0
AMRAOTI	31.5	+0.9	34.6	23	22.8	+0.1	20.7	01	44.8	130.4	- 34.7	67.1	01	6	- 2.8	15.8	11.8	+1.7	2	9	0	0	0	0	0	0	0	0
AKOLA AERODROME	32.5	..	35.4	21	22.8	..	20.6	30	53.8	101.8	..	24.7	27	7	..	11.1	8.0	..	0	10	0	0	4	0	0	0	0	0
AKOLA	32.4	+0.9	35.4	30	23.1	0.0	21.1	30	14.2	76.5	- 75.4	39.9	26	5	- 2.5	13.2	10.2	+0.3	0	7	0	0	0	0	0	0	0	0
BRAMHAPURI	30.9	0.0	33.8	30	22.0	-1.7	20.4	02	82.7	120.0	-201.7	38.0	15	11	- 0.3	6.7	4.2	-1.6	0	18	0	0	2	0	0	0	0	0
BULDANA	28.9	+0.8	32.9	30	21.1	-0.1	19.8	07	79.1	104.8	-101.2	42.2	26	6	- 2.9	11.4	9.3	-1.6	0	9	0	0	1	0	0	0	0	0
YEOTMAL	31.1	+1.0	33.4	30	21.9	0.0	19.7	06	70.4	82.6	-128.6	35.8	27	5	- 4.7	14.9	11.6	-0.3	0	8	0	0	2	0	0	0	0	0
CHANDRAPUR	31.8	+0.6	33.7	30	24.2	+0.5	21.6	30	23.7	[illegible]	-168.1	14.9	11	4	- 6.5	12.7	7.3	+1.4	1	12	0	0	10	0	0	0	0	0
PUSAD	32.5	..	34.8	18	22.8	..	20.1	06	74.6	99.4	..	29.6	28	5	..	..	..	..	0	6	0	0	2	0	0	0	0	0
SIRONCHA	32.7	+1.1	34.2	10	24.2	-0.3	22.0	26	20.9	140.2	- 64.2	64.8	26	7	- 5.8	6.9	4.1	-0.4	0	12	0	0	6	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - -SEPTEMBER,1967(BHADRA 10 - ASVINA 8,1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
VIDARBHA (CONTD.)																												
WARDHA	31.9	..	35.2	30	22.5	..	20.6	01	15.4	39.2	..	22.2	01	4	..	11.4	8.7	..	0	9	0	0	5	0	0	0	0	0
BHANDARA	31.1	..	34.0	30	22.2	..	20.3	30	11.1	82.9	..	21.0	02	8	..	3.7	2.8	..	0	13	..	..	..	..	..	.	..	.
COASTAL ANDHRA PRADESH																												
KALINGAPATAM	31.9	+0.1	34.2	08	24.9	-0.9	23.2	16	9.4	74.7	-101.1	..	..	..	..	11.2	9.0	-0.1	.	..	0	0	5	0	0	0	0	0
VISHAKHAPATNAM	33.6	+2.0	36.8	09	25.9	+0.3	23.2	26	152.7	179.6	+ 11.5	100.1	26	9	+ 0.1	9.2	6.3	-3.2	3	12	0	0	13	0	0	0	3	0
KAKINADA	32.6	+0.6	36.4	09	25.7	+0.2	23.2	28	62.6	132.0	- 19.9	52.4	15	6	- 2.9	10.7	7.9	-0.7	1	12	0	0	0	0	0	0	0	0
NIDADAVOLE	31.8	+0.4	34.3	19	24.9	0.0	22.5	27	72.2	152.0	- 13.2	36.6	28	10	0.0	10.9	7.7	-0.6	0	12	0	0	0	0	0	0	0	0
RENTACHINTALA	34.1	+0.7	37.2	09	25.2	+0.4	23.4	28	32.0	52.0	- 85.9	32.0	16	3	- 5.3	7.2	7.1	-0.8	0	3	0	0	0	0	0	0	0	0
GANNAVARAM	32.5	+0.1	36.1	08	25.4	+0.2	23.3	28	29.5	84.2	- 48.7	27.5	15	9	- 0.5	14.3	9.7	-1.4	4	11	0	0	4	0	0	0	0	0
MASULIPATAM	32.3	+0.5	35.6	10	24.5	-1.2	22.1	28	23.0	242.0	+ 79.9	87.0	26	10	+ 0.3	4.2	2.9	-5.9	0	12	0	0	6	0	0	0	0	0
ONGOLE	34.9	+1.2	39.7	20	..	..	..	..	12.0	105.1	- 45.9	27.2	20	9	+ 1.1	9.5	6.5	-0.3	0	10	0	0	0	0	0	0	0	0
NELLORE	35.5	+0.8	39.0	20	25.8	-0.2	23.4	25	2.2	105.5	- 4.7	51.4	26	6	+ 0.4	10.1	7.7	0.0	0	10	0	0	0	0	0	0	0	0
TELANGANA																												
RAMGUNDAM	33.3	+1.3	35.6	22	25.0	+0.6	22.2	24	5.5	160.6	- 21.3	87.5	26	6	- 4.5	7.6	4.8	-0.2	0	7	0	0	0	0	0	0	0	0
NIZAMABAD	32.5	+1.9	34.3	19	23.3	+0.6	22.0	26	10.1	45.8	-173.7	14.2	05	5	- 5.2	7.4	6.4	+1.0	0	7	0	0	0	0	0	0	0	0
HANAMKONDA	31.2	0.0	33.5	19	23.9	0.0	21.8	26	55.0	120.8	- 68.9	40.2	26	7	- 2.2	10.3	6.7	-1.8	0	8	0	0	1	0	0	0	0	0
HAKIMPET AERODROME	29.4	..	31.3	20	21.1	..	19.2	06	20.9	158.9	..	54.6	23	8	..	..	..	..	0	11	0	0	7	0	0	0	0	0
BHADRACHALLAM	32.6	+0.4	34.6	08	24.4	0.0	22.6	30	75.0	191.8	+ 11.6	38.4	29	15	+ 3.4	5.2	3.5	-1.6	0	15	0	0	7	0	0	0	0	0
HYDERABAD(BEGAMPET)	30.4	+0.7	31.9	20	20.7	-0.9	19.5	02	32.0	143.5	- 28.0	45.0	25	10	+ 0.4	14.7	11.5	-1.1	1	12	0	0	7	0	0	0	1	0
KHAMMAM	32.6	0.0	35.0	09	24.6	+0.2	22.1	30	138.5	234.8	+ 60.3	31.0	25	14	+ 5.2	7.4	5.1	-0.6	0	15	0	0	2	0	0	0	0	0
MAHBUBNAGAR	30.8	+0.5	34.0	20	22.1	0.0	20.3	29	26.8	290.4	+ 82.1	73.2	22	7	- 3.3	9.2	7.4	-3.1	0	10	0	0	4	0	0	0	0	0
RAYALASEEMA																												
KURNOOL	32.6	+0.7	36.1	20	23.3	0.0	21.5	06	41.8	116.3	- 29.8	35.0	25	7	- 1.6	12.2	9.9	-2.7	0	10	0	0	0	0	0	0	0	0
NANDYL	32.7	..	35.9	20	23.2	..	21.2	26	8.9	128.5	..	36.3	20	10	..	11.7	9.0	..	0	11	0	0	1	0	0	0	0	0
ANANTAPUR	33.0	+0.5	35.9	10	23.3	+0.2	21.6	02	1.1	86.6	- 63.3	27.5	20	6	- 0.7	13.5	11.0	-2.1	1	6	0	0	5	0	0	0	0	0
CUDDAPAH	32.4	-0.9	35.3	15	25.1	+0.1	22.5	24	1.4	234.4	+ 79.5	65.2	25	6	- 2.2	6.6	5.6	-1.2	0	7	0	0	0	0	0	0	0	0
AROGYAVARAM	30.8	+1.0	33.2	20	22.0	+0.8	17.8	20	5.0	106.0	+ 0.4	52.0	24	4	- 2.6	15.0	9.8	-0.1	0	5	0	0	0	0	0	0	0	0
MADRAS STATE(INCLUDING PONDICHERRY)																												
MADRAS	33.5	0.0	36.7	20	25.1	-0.1	23.2	24	0.5	36.9	- 77.5	10.8	24	4	- 3.2	10.4	8.7	+1.6	0	9	0	0	2	0	0	0	0	0
MADRAS(MINAMBAKKAM)	33.9	0.0	36.6	20	25.1	-0.3	23.0	29	1.0	117.8	- 1.6	59.1	24	4	- 3.3	12.1	10.6	-0.5	1	8	0	0	6	0	0	0	5	0
VELLORE	34.9	+1.4	38.0	19	23.7	-0.7	21.5	24	2.8	93.5	- 79.0	64.0	24	3	- 5.1	10.5	7.7	+0.9	0	6	0	0	4	0	0	0	0	0
TAMBARAM AERODROME	33.3	..	37.0	20	24.8	..	20.9	19	0.0	53.3	..	26.2	29	4	..	..	..	..	0	7	0	0	7	0	0	0	0	0
TIRUPPATTUR	34.1	+1.2	36.2	09	..	..	..	..	18.5	259.3	+ 86.7	93.5	20	4	- 5.2	8.1	5.7	+0.1	0	4	0	0	1	0	0	0	0	0
METTUR DAM R.S.	34.4	..	36.9	15	..	..	..	..	12.8	62.4	..	19.2	20	7	..	6.4	6.5	..	0	10	0	0	0	0	0	0	0	0
CUDDALORE	33.8	0.0	36.5	10	24.6	-0.5	22.6	26	30.4	54.8	- 71.2	31.0	27	4	- 2.1	10.4	9.8	+0.6	0	6	0	0	3	0	0	0	0	0
KALLAKURICHCHI	34.5	-0.3	36.6	12	24.8	+0.2	0.0	00	5.1	191.8	+ 66.8	80.0	21	9	+ 3.0	4.9	3.9	..	0	11	0	0	7	0	0	0	0	0
SALEM	33.5	+0.4	37.9	16	23.6	+0.3	22.5	22	19.1	151.5	+ 9.8	43.5	08	9	+ 0.5	5.9	5.0	-1.9	0	11	0	0	7	0	0	0	0	0
COIMBATORE(PILAMEDU)	32.2	+0.3	34.0	19	21.7	0.0	21.0	01	1.2	2.4	- 51.5	1.8	20	0	- 2.9	26.9	24.4	-1.8	0	2	0	0	2	0	0	0	0	0
COIMBATORE	31.8	+1.1	33.4	08	21.1	-0.9	20.0	16	..	0.0	- 41.7	..	..	0	- 3.3	.	12.9	-0.2	0	0	0	0	0	0	0	0	0	0
NAGAPATTINAM	33.2	-0.5	35.4	06	25.8	+0.1	23.6	24	1.0	41.0	- 43.1	11.8	24	5	0.0	11.4	9.7	0.0	0	9	0	0	1	0	0	0	0	0
TIRUCHCHIRAPPALLI	34.6	+0.4	36.9	13	24.4	-0.5	21.6	19	19.9	183.8	+ 59.9	70.7	19	9	+ 2.7	12.6	10.6	-8.8	0	14	0	0	8	0	0	0	4	0
VEDARANNIYAM	34.2	..	38.0	25	25.1	..	21.3	16	9.8	29.5	..	14.7	24	2	..	6.1	5.4	..	0	6	0	0	0	0	0	0	0	0
ATIRAMPATTINAM	33.8	..	37.0	16	25.5	..	22.0	29	17.6	59.4	..	21.6	29	4	..	14.2	12.8	..	0	7	0	0	0	0	0	0	0	0
MADURAI	35.5	+0.5	37.8	19	23.9	-0.9	21.9	29	..	111.6	- 11.1	50.6	29	6	- 0.3	.	6.7	+0.3	0	8	0	0	3	0	0	0	0	0
MADURAI AERODROME	35.3	+0.5	38.1	19	23.8	-0.8	21.6	21	58.3	142.2	+ 82.9	51.5	21	8	+ 3.6	7.4	6.9	-4.8	0	10	0	0	4	0	0	0	0	0
TONDI	31.8	-1.0	34.5	30	25.8	+0.2	21.6	20	31.0	76.8	+ 41.9	45.8	20	2	+ 0.2	19.4	16.7	+0.9	0	2	0	0	2	0	0	0	0	0
PAMBAN	31.3	0.0	32.7	14	26.2	-0.1	21.6	02	0.0	1.7	- 24.2	1.0	20	0	- 1.6	18.9	19.2	+3.4	0	2	0	0	0	0	0	0	0	0
TUTICORIN	35.0	+1.1	37.2	01	25.3	-0.7	23.1	20	12.7	12.7	+ 5.2	12.7	20	1	- 0.2	19.0	13.6	-3.1	0	1	0	0	0	0	0	0	0	0
PALAYANKOTTAI	37.3	+1.9	40.5	15	25.6	-0.3	23.7	20	38.4	38.4	+ 9.4	26.2	20	2	0.0	14.6	10.9	-2.3	0	2	0	0	0	0	0	0	0	0
KANNIYAKUMARI	30.9	..	33.8	16	23.8	..	22.2	22	3.0	32.0	..	17.0	26	3	..	20.6	18.0	..	0	4	0	0	0	0	0	0	0	0
PONDICHERRY	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
COASTAL MYSORE																												
KARWAR	29.0	+0.6	30.2	20	23.4	-0.4	22.1	13	105.8	355.8	+ 64.0	77.0	23	14	- 1.5	7.9	5.6	..	0	16	0	0	0	0	0	0	0	0
HONAVAR	28.3	-0.5	30.4	18	23.1	-0.1	21.9	13	58.7	437.6	+ 96.0	165.3	24	13	- 3.7	..	..	..	0	15	0	0	1	0	0	0	0	0
MANGALORE(BAJPE)	29.3	+0.7	30.4	10	22.7	+0.1	21.5	04	97.5	205.2	-205.2	40.9	30	15	- 2.4	9.4	6.0	-1.1	2	17	0	0	0	3	0	0	0	0
MANGALORE	29.0	+0.3	29.8	21	23.3	-0.2	22.4	30	37.9	223.5	- 48.5	58.6	30	15	- 1.0	8.4	7.8	+1.0	0	15	0	0	0	0	0	0	0	0
INTERIOR MYSORE NORTH																												
BIDAR	29.7	+0.9	32.1	15	21.0	0.0	18.6	01	76.8	146.8	- 92.0	29.0	27	11	+ 0.3	15.5	15.3	+2.1	0	13	0	0	1	0	0	0	0	0
GULBARGA	31.7	+0.6	34.6	14	21.7	-0.2	19.6	01	31.5	194.7	+ 9.3	41.6	15	11	+ 1.5	15.3	12.1	-0.9	0	13	0	0	2	0	0	0	0	0
BIJAPUR	31.5	+0.9	36.2	20	20.8	-0.3	19.6	06	61.6	168.2	+ 26.7	45.8	22	9	+ 1.0	11.8	9.6	-0.4	0	12	0	0	1	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - SEPTEMBER, 1967 BHADRA 10 - ASVINA 8, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 to 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
INTERIOR MYSORE NORTH (CONTD.)																												
RAICHUR	31.9	+0.3	35.5	14	22.8	+0.1	21.0	01	31.6	152.5	- 2.4	80.4	29	6	- 2.9	14.4	13.4	-0.2	0	11	0	0	4	0	0	0	0	0
BELGAUM	27.9	+0.9	30.8	15	19.3	+0.3	17.6	13	49.6	122.6	+ 7.0	25.2	30	11	+ 1.4	9.0	5.9	-4.0	1	16	0	0	0	0	0	0	0	0
BELGAUM (SAMRA)	26.9	0.0	29.2	15	19.1	-0.1	17.1	13	28.2	82.8	- 6.7	19.0	23	8	- 0.6	16.9	12.0	-4.9	0	16	0	0	3	0	0	0	0	0
GADAG	30.3	+0.6	34.4	09	20.1	-0.4	18.4	13	14.3	116.9	- 12.1	54.6	22	5	- 2.3	15.1	13.5	-0.1	0	8	0	0	2	0	0	0	0	0
INTERIOR MYSORE, SOUTH																												
BELLARY	32.6	+1.1	36.0	15	22.8	-0.2	20.0	20	11.0	111.1	- 11.3	36.2	22	7	- 0.1	15.1	12.2	+1.1	0	8	0	0	0	0	0	0	0	0
CHITRADURGA	29.7	+0.6	32.0	14	20.4	+0.1	19.3	13	0.0	16.2	- 85.4	13.4	22	1	- 5.9	11.3	10.7	-0.1	1	3	0	0	0	0	0	0	0	0
SHIMOGA	29.3	+0.7	30.9	14	19.0	-1.5	17.2	12	14.6	20.8	- 68.7	14.6	23	1	- 7.5	5.3	3.8	-1.4	0	5	0	0	0	0	0	0	0	0
AGUMBE	24.5	..	26.6	14	18.9	..	16.8	11	..	528.0	..	78.0	24	17	..	.	4.2	..	0	18	0	0	0	0	0	0	0	0
BALEHONNUR	26.3	+1.8	28.8	15	17.1	-1.0	14.9	17	..	103.4	-128.3	29.2	22	11	- 5.9	..	..	..	0	15	0	0	0	0	0	0	0	0
HASSAN	27.3	+0.6	30.6	14	18.3	-0.1	16.9	07	5.0	11.0	- 89.1	2.2	04	0	- 7.3	10.0	8.5	-3.1	0	9	0	0	0	0	0	0	0	0
BANGALORE	28.6	+1.0	31.0	10	17.7	-1.2	16.3	05	10.8	66.4	- 97.2	22.3	22	5	- 3.7	10.1	8.5	-3.6	0	8	0	0	2	1	0	0	0	0
BANGALORE AERODROME	28.5	-0.1	30.6	20	18.5	-0.8	16.4	05	10.3	63.0	- 66.4	28.1	22	4	- 4.2	..	..	..	1	6	0	0	1	0	0	0	0	0
MYSORE	28.3	-0.4	31.0	04	19.3	0.0	17.6	06	7.6	10.8	-106.3	3.0	10	1	- 6.8	15.3	10.9	+0.2	1	5	0	0	0	0	0	0	0	0
KERALA																												
CALICUT	29.5	0.0	31.7	19	23.8	+0.1	22.7	25	27.1	126.8	- 93.2	30.6	26	8	- 4.3	8.1	5.9	-2.8	1	14	0	0	0	0	0	0	0	0
PALGHAT	30.1	-0.2	32.6	21	23.0	-0.1	21.8	22	40.2	52.2	- 95.0	17.4	23	5	- 6.3	10.5	8.7	-3.2	0	10	0	0	0	0	0	0	0	0
FORT COCHIN	29.1	+0.8	30.4	30	23.5	-0.7	22.7	04	29.0	276.1	+ 32.0	84.6	26	13	- 1.2	11.7	8.7	-0.4	0	15	0	0	0	0	0	0	0	0
COCHIN (NAVAL AIR STATION)	29.4	..	30.9	25	23.7	..	22.6	30	28.1	258.0	..	97.9	26	14	..	12.3	8.9	..	0	14	0	0	5	0	0	0	1	0
ALLEPPEY	29.4	0.0	31.1	30	23.7	0.0	22.6	22	38.4	265.8	- 30.2	41.0	25	15	- 0.8	12.0	8.5	-1.6	0	16	0	0	1	0	0	0	0	0
PUNALUR	31.6	+0.7	34.1	10	21.4	-1.3	19.9	13	42.2	73.6	-135.8	16.4	22	10	- 2.7	5.5	3.7	-0.6	0	11	0	0	0	0	0	0	0	0
TRIVANDRUM	30.2	+0.3	32.0	09	23.2	-0.1	21.7	25	101.2	199.6	+ 61.7	66.0	21	7	- 2.1	15.3	9.8	-0.6	0	13	0	0	3	0	0	0	0	0
TRIVANDRUM AERODROME	30.1	+0.5	31.9	09	23.4	-0.2	22.5	21	..	197.9	+ 34.9	101.2	21	6	- 3.7	.	12.3	+4.3	0	10	0	0	1	0	0	0	0	0
ARABIAN SEA ISLANDS																												
AMINI	30.1	+0.3	31.3	11	25.3	-0.2	22.3	03	14.4	72.5	- 77.1	19.3	03	8	- 2.2	18.6	18.8	+0.4	0	13	0	0	0	0	0	0	0	0
AGATTI	29.9	..	31.2	19	26.6	..	25.2	22	14.1	114.0	..	27.6	18	10	..	10.8	9.8	..	0	17	0	0	0	0	0	0	0	0
ANDROTH	30.3	..	32.5	17	..	..	..	..	90.7	334.5	..	60.2	04	16	..	6.2	5.3	..	0	24	0	0	0	0	0	0	0	0
MINICOY	29.8	+0.3	30.4	15	24.3	-0.8	21.9	17	27.2	155.4	- 2.8	62.5	26	8	- 2.1	11.8	10.4	-2.6	1	15	0	0	0	0	0	0	0	0
HILL STATIONS (EXCLUDING KASHMIR)																												
DALHOUSIE	23.6	+0.6	25.8	11	14.7	-0.7	12.0	27	25.1	93.3	-136.3	18.0	16	10	+ 0.9	..	..	..	0	11	0	0	2	0	0	0	0	0
DHARMASALA	26.8	+0.5	28.3	28	18.6	-0.8	16.2	29	144.3	285.7	-242.2	100.2	09	11	- 2.5	4.9	2.9	-0.7	0	17	0	0	4	0	0	0	0	0
BHUNTAR	29.9	..	32.2	14	17.0	..	10.6	30	6.0	39.0	..	19.2	16	3	..	12.1	7.1	..	3	6	0	0	8	0	0	0	0	0
SIMLA	20.3	+0.3	23.4	19	13.6	-0.2	12.3	04	78.0	218.1	+ 35.7	53.3	01	14	+ 4.1	2.9	2.4	-0.3	0	16	0	0	1	0	0	0	0	0
DHARMPUR	(R)	..	..	..	..	..	..	..	..	111.2	-110.5	34.0	12	8	- 0.5	..	..	..	0	11	..	..	..	..	..	.	..	.
GHANGARIA (KANJALIA TUK)	17.8	..	20.6	14	8.8	..	6.1	30	..	152.4	..	22.0	26	14	..	..	..	..	1	15	0	0	0	0	0	0	0	0
BADRINATH	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JOSHIMATH	23.7	+0.2	26.4	14	15.4	-0.1	12.2	28	10.0	60.1	- 89.2	14.0	01	8	- 3.3	5.4	4.2	-0.1	0	8	0	0	0	5	0	0	0	0
MUSSOORIE	20.0	+0.1	24.1	27	13.8	-0.5	12.2	26	77.6	107.2	-248.4	44.2	25	8	- 5.1	6.7	5.1	-0.3	0	14	0	0	3	0	0	0	0	0
MUKTESWAR (KUMAUN)	20.3	+0.4	23.0	28	13.0	-0.1	11.3	25	60.0	114.6	- 87.1	26.0	02	9	- 1.4	9.2	9.2	-0.8	0	14	0	0	9	6	0	0	0	0
NAINITAL	20.4	-0.5	21.6	15	14.0	-0.8	10.0	30	120.5	254.5	- 76.3	61.0	10	12	- 0.5	5.5	5.1	-1.9	0	17	0	0	0	0	0	0	0	0
KALIMPONG	26.1	+2.0	28.2	07	20.0	+1.2	17.4	24	118.0	485.8	+173.6	198.4	19	16	+ 2.2	10.1	7.7	+0.2	0	20	0	0	0	0	0	0	0	0
DARJEELING	20.1	+0.2	24.3	09	14.1	-0.5	11.8	21	209.0	522.2	+ 76.7	91.2	19	17	0.0	2.8	2.4	+0.3	0	23	0	0	1	12	0	0	0	0
KOHIMA	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SHILLONG (C.S.O.)	22.9	-1.3	25.6	02	16.7	+0.1	15.6	29	102.2	304.8	+ 2.5	82.8	30	13	- 4.6	5.6	4.7	+2.0	2	20	0	0	3	4	0	0	0	0
CHERRAPUNJI	24.5	+1.6	28.2	27	16.5	-1.6	15.1	29	295.0	1037.1	- 84.6	146.6	30	22	+ 2.7	5.3	6.7	-0.3	0	25	0	0	1	24	0	0	0	0
ABU	23.4	-0.7	29.6	28	17.5	-0.9	15.8	11	243.6	541.4	+328.0	190.6	07	13	+ 5.6	12.4	7.7	+0.1	0	15	0	0	0	1	0	0	0	0
AIJAL	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
PACHMARHI	24.0	-1.2	29.0	30	18.4	-0.7	15.5	24	142.4	327.8	- 35.4	55.4	16	14	+ 0.8	8.0	8.0	+1.8	0	18	0	0	3	0	0	0	0	0
MAHABALESHWAR	19.8	-0.5	22.2	04	15.9	+0.2	14.4	14	239.5	465.7	-220.1	55.7	23	22	- 0.3	12.6	13.3	+1.5	0	28	0	0	0	30	0	0	0	0
MERCARA	23.0	+1.0	26.0	09	..	..	..	..	62.1	115.7	-191.9	19.8	29	11	- 7.9	12.2	11.6	-0.7	1	16	0	0	0	0	0	0	0	0
UDITAGAMUND	18.9	+0.7	20.1	07	9.5	-0.9	7.0	25	27.2	27.2	-111.5	24.2	25	2	- 9.2	5.1	3.1	-3.4	0	2	0	0	0	0	0	0	0	0
COONOOR	22.3	+0.9	23.6	15	11.8	-2.0	8.8	05	..	48.4	- 48.0	16.2	23	5	- 2.2	..	..	..	0	8	0	0	0	0	0	0	0	0
KODAIKANAL	18.2	+0.5	20.0	06	11.0	-0.3	10.0	11	49.2	67.4	-109.9	12.6	20	6	- 5.7	7.5	7.9	-3.6	1	15	0	0	4	0	0	0	0	0
NEPAL																												
KATMANDU	28.0	-0.1	30.5	10	18.5	-0.1	15.6	28	78.2	142.9	- 27.8	36.6	08	9	- 2.9	1.1	0.3	-1.0	1	13	0	0	6	5	0	0	0	0
SIKKIM																												
LACHEN	(R)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
HYDROMETEOROLOGICAL OBSERVATORIES DAMODAR CATCHMENT																												
TILAIYA	29.9	..	32.4	24	23.8	..	22.6	21	34.4	145.6	..	39.2	18	10	..	9.3	6.0	..	0	16	0	0	0	0	0	0	0	0
HAZARIBAGH	28.7	..	30.5	23	21.6	..	18.4	30	25.4	129.6	..	48.2	04	7	..	7.4	4.5	..	0	13	0	0	4	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - -SEPTEMBER,1967BHADRA 10 - ASVINA 8,1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
DAMODAR CATCHMENT.(CONTD.)																												
KOWAR	31.9	..	32.3	01	20.7	..	19.7	04	53.9	233.5	..	115.5	17	8	..	..	..	..	0	11	0	0	0	0	0	0	0	0
BOKARO	32.3	..	35.0	26	21.2	..	18.7	05	50.5	276.3	..	146.4	17	11	..	4.9	4.2	..	1	14	0	0	1	0	0	0	0	0
MAITHON	32.5	..	34.9	23	23.3	..	21.9	04	249.9	430.9	..	83.2	12	14	..	2.9	2.6	..	0	19	0	0	13	0	0	0	0	0
RAMGARH	32.1	..	33.6	11	22.3	..	21.0	01	65.6	248.2	..	107.0	04	11	..	4.7	3.5	..	0	16	0	0	0	0	0	0	0	0
PANCHET HILLS	31.9	..	34.2	10	25.2	..	24.2	05	126.7	244.9	..	62.1	18	13	..	4.2	3.1	..	0	19	0	0	2	0	0	0	0	0
DURGAPUR	31.5	..	33.4	07	24.7	..	23.0	05	62.6	153.8	..	18.6	27	17	..	12.9	12.8	..	0	23	0	0	0	0	0	0	0	0
MAHANADI CATCHMENT																												
GINABAHAR	30.5	..	32.8	22	22.3	..	19.1	30	..	345.9	..	85.1	13	16	..	..	..	..	0	20	0	0	7	0	0	0	0	0
HIRAKUD	31.7	..	34.5	23	24.7	..	22.7	27	79.7	241.6	..	49.0	26	14	..	4.8	3.3	..	0	19	0	0	15	0	0	0	0	0
BHIMKUND	30.2	..	..	..	23.6	..	0.0	00	105.6	244.1	..	..	..	..	..	6.4	3.3	..	.	..	0	0	8	1	0	0	0	0
SONEPUR	31.7	..	36.0	19	24.5	..	22.3	28	..	159.4	..	36.5	12	28	..	.	7.0	..	1	29	0	0	0	0	0	0	0	0
KHIJRAWAN	29.7	..	32.6	22	23.2	..	21.6	30	93.7	180.7	..	37.1	20	11	..	10.3	6.7	..	0	21	0	0	10	0	0	0	0	0
NARMADA CATCHMENT																												
BAGRA TAWA	29.6	..	35.2	30	21.1	..	18.1	28	112.4	301.6	..	75.4	01	10	..	9.1	6.6	..	1	15	0	0	1	0	0	0	0	0
PUNASA	30.2	..	34.4	28	..	..	..	..	18.4	165.6	..	125.2	01	5	..	11.5	10.7	..	0	7	0	0	0	0	0	0	0	0
THIKRI	31.5	..	38.5	30	22.5	..	18.0	29	..	87.7	..	58.0	01	3	..	..	..	..	0	9	0	0	0	0	0	0	0	0
SABARMATI CATCHMENT																												
DARDI	32.4	..	38.0	30	..	..	..	..	52.4	125.0	..	40.4	08	6	..	..	..	..	0	10	..	..	..	..	..	.	..	.
GANDAK CATCHMENT																												
JAMUSOM	23.9	..	28.8	03	11.6	..	6.8	27	0.0	5.0	..	2.8	12	1	..	..	..	..	0	3	..	..	..	..	..	.	..	.
KHUDI BAZAR	28.5	..	30.3	03	19.1	..	16.7	30	172.6	679.4	..	95.2	08	23	..	..	..	..	1	27	..	..	..	..	..	.	..	.
TIMURE	25.4	..	27.9	15	15.8	..	12.3	27	6.5	115.1	..	22.6	25	12	..	..	..	..	0	23	..	..	..	..	..	.	..	.
POKHARA	28.6	..	30.4	02	20.7	..	18.4	30	130.9	687.9	..	158.0	08	19	..	0.7	0.4	..	0	23	0	0	16	0	0	0	0	0
GORKHA	27.5	..	29.3	10	19.1	..	17.7	15	3.0	79.2	..	25.2	10	5	..	..	..	..	1	12	0	0	5	11	0	0	0	0
NUWAKOT	28.8	..	31.0	03	20.3	..	19.0	16	31.1	117.1	..	24.0	21	9	..	..	..	..	0	11	..	..	..	..	..	.	..	.
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																												
DAILEKH	25.2	..	27.5	23	18.6	..	15.6	30	70.0	175.4	..	54.2	11	7	..	..	..	..	0	12	..	..	..	..	..	.	..	.
GHAGHARA CATCHMENT																												
SALLYANA	25.3	..	26.7	10	17.6	..	14.7	30	31.5	104.9	..	32.7	15	6	..	..	..	..	0	8	..	..	..	..	..	.	..	.
BUTWAL	32.1	..	33.9	15	24.1	..	22.4	30	90.8	513.9	..	91.0	10	14	..	..	..	..	0	15	..	..	..	..	..	.	..	.
BAGHMATI CATCHMENT																												
KATMANDU	SEE UNDER NEPAL				..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
KOSI CATCHMENT																												
CHAUTARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
WALUNGCHUNG GOLA	..	..	..	..	0.8	..	0.0	30	82.6	224.5	..	28.0	04	19	..	..	..	..	0	26	..	..	..	..	..	.	..	.
TAPLETHOK	27.1	..	30.7	09	17.3	..	15.3	27	44.4	322.8	..	31.8	27	25	..	..	..	..	0	29	..	..	..	..	..	.	..	.
BHOJPUR	22.9	..	25.4	03	17.4	..	15.9	25	17.3	103.7	..	38.4	25	8	..	..	..	..	0	12	..	..	..	..	..	.	..	.
TAPLEJUNG	24.0	..	26.4	01	16.2	..	13.9	26	14.2	305.7	..	75.5	01	16	..	5.1	3.1	..	1	20	0	0	1	7	0	0	0	0
OKHALDHUNGA	23.7	..	28.5	03	16.0	..	14.6	27	122.5	399.9	..	117.2	25	17	..	1.8	1.5	..	2	22	0	0	7	6	0	0	0	0
CHAINPUR	26.7	..	29.3	10	19.1	..	17.3	25	14.2	214.4	..	72.0	25	12	..	..	..	..	0	14	..	..	..	..	..	.	..	.
ANGBUNG	29.9	..	32.3	17	..	..	..	..	26.2	165.8	..	43.0	21	9	..	..	..	..	0	10	..	..	..	..	..	.	..	.
BARAHAKSHETRA	30.6	..	33.9	10	23.8	..	22.3	22	146.0	439.3	..	89.1	14	17	..	5.0	2.8	..	2	23	0	0	10	0	0	0	0	0
TISTA CATCHMENT																												
GANGTOK	24.2	..	28.0	09	15.7	..	12.9	21	61.5	345.8	..	47.4	04	19	..	4.2	3.4	..	1	26	0	0	3	24	0	0	0	0
GEZING	26.1	..	29.6	09	17.7	..	14.9	21	42.6	367.0	..	81.9	07	15	..	..	..	..	0	24	..	..	..	..	..	.	..	.

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — SEPTEMBER,1967(BHADRA 10 - ASVINA 8,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.: At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mb.: At station level	Mean pressure in mb.: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 62 or more	20 to 61	1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
MAYA BANDAR	0830	28	1009.7	1006.7	+0.6	26.8	25.6	25.1	31.9	90	+ 4	6.5	+0.7	10.1	0	3	24	00	2	1	0	0	12	11	1	3	0
	1730	28	1007.2	1004.1	+0.3	26.6	25.3	24.7	31.1	90	+ 2	6.0	-0.1	11.1	0	6	20	00	0	0	0	0	15	11	0	4	0
LONG ISLAND	0830	25	1010.0	1007.2	+0.7	27.8	25.7	24.7	31.1	85	- 1	6.4	+0.2	3.6	0	0	25	00	0	0	0	0	12	13	0	5	0
	1730	25	1007.8	1005.0	+0.9	26.8	25.0	24.2	30.2	86	- 1	5.7	-0.6	2.2	0	0	18	00	0	0	0	0	9	9	0	12	0
PORT BLAIR	0530	79	1008.7	999.7	..	24.8	23.8	23.3	28.6	91	..	6.0	..	3.2	0	2	5	00	0	0	0	1	5	1	0	23	0
	0830	79	1010.4	1001.5	+1.2	27.2	25.1	24.1	30.0	84	+ 0	6.4	-0.3	9.9	0	7	13	00	0	0	0	5	12	3	0	10	0
	1130	79	1009.0	1000.2	..	28.0	25.2	23.9	29.7	79	..	6.3	..	18.7	0	16	10	00	0	0	1	4	15	6	0	4	0
	1430	79	1007.2	998.3	..	27.9	25.0	23.7	29.3	78	..	6.2	..	15.4	0	15	8	00	0	0	0	4	14	5	0	7	0
	1730	79	1007.9	999.0	+0.8	26.4	24.7	23.9	29.7	86	- 3	5.5	-1.4	2.5	0	0	8	00	0	0	0	0	6	1	1	22	0
	2030	79	1010.0	1001.0	..	25.5	24.4	23.9	29.7	91	..	3.8	..	0.5	0	0	2	00	0	0	0	0	2	0	0	28	0
	2330	79	1009.6	1000.6	..	25.1	24.2	23.7	29.3	93	..	4.5	..	2.8	0	0	9	00	0	0	0	2	5	2	0	21	0
CAR NICOBAR	0830	10	1010.7	1009.5	+0.8	28.2	25.4	24.2	30.2	79	- 4	5.7	-0.6	2.0	0	0	20	00	0	0	0	1	15	4	0	10	0
	1730	10	1008.5	1007.3	+0.9	27.0	24.9	23.9	29.7	83	- 6	5.2	-0.8	0.6	0	0	8	00	0	0	0	1	3	4	0	22	0
NANCOWRY	0830	26	1011.5	1008.6	+0.9	27.3	25.6	24.9	31.5	86	+ 3	5.4	-0.7	7.1	0	0	28	00	0	0	0	1	13	11	3	2	0
	1730	26	1008.9	1006.0	+0.7	26.6	25.2	24.6	30.9	89	+ 4	5.6	-0.5	6.7	0	0	27	00	0	0	0	0	14	8	5	3	0
KONDUL	0830	8	1012.0	1011.1	+1.2	27.3	25.0	23.9	29.7	83	+ 0	5.6	-0.7	5.2	0	0	19	00	0	0	0	0	19	0	0	11	0
	1730	8	1009.6	1008.7	+1.4	26.6	24.9	24.2	30.2	86	- 1	5.1	-1.2	3.0	0	0	10	00	0	0	0	0	10	0	0	20	0
URTH ASSAM(INCLUDING NEFA)																											
PASIGHAT	0830	157	1007.2	989.5	+0.0	25.6	24.2	23.6	29.1	89	+ 9	6.9	+1.5	3.8	0	0	28	01	3	4	2	2	1	1	14	2	0
	1730	157	1002.8	985.3	-0.2	27.5	25.5	24.6	30.9	85	+ 0	5.6	+1.3	1.8	0	0	11	01	2	0	2	1	0	1	4	19	0
DIBRUGARH(MOHANBARI)	0230	111	1004.5	991.9	..	24.6	24.0	23.7	29.3	95	..	6.7	..	3.0	0	0	14	00	8	3	0	1	1	1	0	16	0
	0530	111	1005.5	992.9	..	23.9	23.5	23.3	28.6	97	..	7.2	..	4.9	0	0	23	03	9	4	2	1	2	2	0	7	0
	0830	111	1007.1	994.5	-0.3	25.6	24.5	24.0	29.8	92	+ 8	7.1	+0.8	5.9	0	0	26	01	16	4	2	1	1	1	0	4	0
	1130	111	1005.6	993.2	..	27.4	25.4	24.5	30.7	85	..	6.7	..	6.2	0	0	26	01	15	4	2	0	2	2	0	4	0
	1430	111	1002.6	990.3	..	28.9	25.8	24.5	30.7	78	..	6.3	..	6.2	0	0	28	02	11	5	1	1	3	2	3	2	0
	1730	111	1002.8	990.4	+0.0	27.6	25.5	24.5	30.7	85	+ 4	5.4	+0.5	2.7	0	0	14	01	10	1	0	1	1	0	0	16	0
	2030	111	1005.2	992.6	..	25.7	24.9	24.5	30.7	93	..	5.0	..	2.4	0	0	11	01	7	1	0	0	0	1	1	19	0
	2330	111	1005.3	992.7	..	25.0	24.3	23.9	30.0	94	..	6.3	..	2.5	0	0	14	02	8	2	0	0	2	0	0	16	0
DIGBOI	0830	152	1007.2	990.0	-0.3	25.9	24.9	24.5	30.7	92	+ 8	6.5	+0.5	4.7	0	0	29	01	6	10	1	4	0	5	2	1	0
	1730	152	1003.2	986.2	-0.5	28.2	26.1	25.3	32.2	85	+ 8	4.7	-0.8	3.0	0	0	18	00	5	5	1	2	1	2	2	12	0
NORTH LAKHIMPUR	0830	102	1007.0	995.4	-0.1	26.2	24.9	24.3	30.4	90	+ 6	6.6	+0.8	3.1	0	0	22	06	5	1	3	4	1	1	1	8	0
	1130	102	1005.8	994.3	..	28.3	25.6	24.5	30.7	80	..	6.0	..	6.0	0	0	30	02	14	4	3	2	4	0	1	0	0
	1430	102	1002.9	991.5	..	29.1	25.8	24.3	30.4	76	..	5.3	..	4.7	0	0	28	03	13	3	2	4	2	0	1	2	0
	1730	102	1003.0	991.6	+0.2	27.7	25.7	24.8	31.3	84	- 1	4.8	+0.0	2.9	0	0	16	02	9	1	1	3	0	0	0	14	0
	2030	102	1005.2	993.6	..	26.0	25.2	24.9	31.5	93	..	4.8	..	1.6	0	0	13	05	3	0	0	0	0	1	4	17	0
SIBSAGAR	0830	97	1007.2	996.3	-0.2	26.5	25.1	24.5	30.7	90	+ 4	7.1	+0.0	2.4	0	0	22	13	5	0	0	2	2	0	0	8	0
	1730	97	1002.7	991.9	-0.4	28.6	25.9	24.7	31.1	81	- 4	5.6	-0.1	1.8	0	0	18	05	6	0	2	3	2	0	0	12	0
GOHPUR	0830	83	1006.3	997.0	..	26.6	25.4	24.9	31.5	90	+ 2	7.1	..	3.5	0	0	28	01	15	0	9	0	3	0	0	2	0
	1730	83	1001.9	992.7	..	28.0	26.1	25.3	32.2	85	+ 1	5.9	..	2.7	0	0	19	01	7	0	11	0	0	0	0	11	0
MAJBAT	0830		998.4	989.7	-3.3	26.3	25.0	24.5	30.7	89	..	.	..	1.5	0	0	12	00	6	0	5	0	1	0	0	18	0
	1730		995.4	986.7	-2.3	28.3	26.0	25.1	31.9	83	..	.	..	0.2	0	0	2	00	0	0	0	0	2	0	0	28	0
JORHAT AERODROME	0530	90	1004.9	994.8	+5.8	25.6	25.0	24.7	31.1	95	..	6.6	+1.7	1.7	0	0	7	00	3	0	0	0	3	1	0	23	0
	0830	90	1006.5	996.4	..	27.2	25.7	25.1	31.9	88	..	6.7	..	7.2	0	0	24	03	11	1	0	1	5	1	2	6	0
	1130	90	1005.0	995.0	..	29.1	26.6	25.5	32.6	81	..	6.4	..	10.0	0	2	26	05	15	2	0	0	3	1	2	2	0
	1730	90	1002.3	992.3	..	28.0	26.0	25.2	32.1	85	..	5.1	..	6.6	0	4	10	03	8	0	0	0	3	0	0	16	0
	2330	90	1004.7	994.7	..	26.8	25.6	25.1	31.9	91	..	6.1	..	2.2	0	0	6	00	3	1	0	0	1	1	0	24	0
TANGLA	0830	78	1005.7	996.9	-0.2	27.6	25.7	24.7	31.1	85	+ 2	6.3	+1.8	1.9	0	0	18	01	0	12	1	0	1	3	0	12	0
	1730	78	1001.8	993.1	+0.1	29.0	26.5	25.5	32.6	81	+ 0	5.7	+2.1	0.7	0	0	6	00	0	1	1	0	0	4	0	24	0
TEZPUR	0830	79	1006.7	997.8	-1.0	26.8	25.1	24.3	30.4	87	+ 1	6.6	+0.7	3.0	0	0	23	00	15	4	1	1	2	0	0	7	0
	1730	79	1004.4	995.6	+1.1	28.6	25.7	24.5	30.7	79	- 3	5.5	+1.0	2.3	0	0	21	00	11	1	2	1	6	0	0	9	0
GOLAGHAT	0830	95	1006.8	996.1	+0.2	27.1	25.2	24.3	30.4	86	+ 2	5.7	-0.6	0.1	0	0	1	00	0	0	0	0	0	1	0	29	0
	1730	95	1002.2	991.5	+0.6	29.2	26.2	24.9	31.5	78	- 1	4.4	-1.0	0.8	0	0	5	01	0	1	0	2	0	1	0	21	0
RANGIA	0830	60	1007.4	1000.7	..	28.2	26.1	25.3	32.2	84	+ 4	6.0	..	5.3	0	0	26	00	5	15	2	0	1	2	1	4	0
	1730	60	1003.6	996.8	..	28.6	26.2	25.2	32.1	82	+ 4	4.8	..	3.0	0	0	21	00	0	10	2	2	1	4	2	8	0
CHAPARMUKH	0830	66	1007.0	999.6	-0.3	27.7	25.8	24.9	31.5	84	+ 3	5.8	+0.7	6.7	0	0	29	01	3	5	19	0	0	0	1	1	0
	1730	66	1003.1	995.9	+0.5	28.5	26.1	25.1	31.9	82	+ 1	5.0	+0.6	3.3	0	0	15	01	3	0	5	0	3	2	1	13	0
GOALPARA	0830	38	1005.9	1001.6	+0.3	27.1	25.4	24.7	31.1	85	+ 0	6.3	+0.8	1.1	0	0	15	00	9	1	3	0	0	2	0	15	0
	1730	38	1002.5	998.2	+0.7	28.7	25.9	24.7	31.1	80	+ 3	5.2	+0.1	1.3	0	0	19	02	2	1	3	0	4	7	0	11	0
GAUHATI(BHORJOR)	0230	54	1003.9	997.7	..	25.4	24.9	24.7	31.1	95	..	5.7	..	0.9	0	0	4	00	1	0	0	2	1	0	0	26	0
	0530	54	1004.5	998.3	..	25.2	24.8	24.6	30.9	96	..	6.3	..	1.3	0	0	7	00	1	0	0	4	2	0	0	23	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - (SEPTEMBER,1967BHADRA 10 - ASVINA 8,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or M. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NORTH ASSAM (INCLUDING NEFA) (CONTD.)																											
GAUHATI (BHORJUR) (CONTD.)	0830	54	1006.2	1000.1	-1.0	27.5	25.8	25.1	31.9	87	+ 4	6.4	+0.5	3.2	0	0	16	01	8	3	0	2	0	2	0	14	0
	1130	54	1004.9	998.8	..	29.5	26.3	24.9	31.5	78	..	6.1	..	8.3	0	0	26	09	10	1	0	1	0	2	3	4	0
	1430	54	1002.3	996.2	..	29.6	26.4	25.0	31.7	76	..	6.1	..	6.0	0	0	21	04	5	1	0	1	2	2	5	9	1
	1730	54	1002.4	996.3	-1.0	28.2	25.9	24.9	31.5	83	- 1	6.0	+0.3	4.3	0	0	16	00	5	1	2	1	0	3	4	14	0
	2030	54	1004.9	998.8	..	26.6	25.5	25.1	31.9	91	..	5.6	..	2.7	0	0	7	00	0	1	1	3	1	1	0	23	0
	2330	54	1005.1	998.9	..	26.0	25.2	24.9	31.5	93	..	5.7	..	2.2	0	0	8	00	1	2	0	2	1	2	0	22	0
DHUBRI(RUPSI).................	0530	45	1004.2	999.1	..	24.9	24.4	24.1	30.0	96	..	6.5	..	2.5	0	0	14	00	3	7	1	0	2	1	0	16	0
	0830	45	1005.7	1000.6	+0.1	27.7	26.0	25.3	32.2	87	+ 3	6.6	+0.9	6.0	0	0	24	01	5	8	4	1	4	1	0	6	0
	1130	45	1004.7	999.7	..	29.8	26.7	25.5	32.6	77	..	6.3	..	8.3	0	0	27	01	3	6	6	2	8	1	0	3	0
	1730	45	1002.0	996.9	+0.2	28.2	26.3	25.5	32.6	86	+ 2	5.6	+0.6	3.7	0	0	16	00	4	3	0	3	5	0	1	14	0
DHUBRI........................	0830	35	1006.3	1002.3	-0.6	27.5	25.7	24.9	31.5	86	+ 0	5.6	+0.3	6.8	0	0	26	02	8	5	6	1	3	0	1	4	0
	1730	35	1003.1	999.1	-0.2	28.0	26.0	25.2	32.1	85	+ 0	5.2	+0.0	6.5	0	0	21	02	5	5	3	3	3	0	0	9	0
LUMDING........................	0830	149	1006.8	990.0	..	25.9	24.7	24.2	30.2	89	+ 7	5.8	..	1.1	0	0	9	00	0	9	0	0	0	0	0	21	0
	1730	149	1002.6	986.1	..	29.4	26.3	24.9	31.5	77	..	5.3	..	1.3	0	0	14	02	0	5	1	1	1	2,	2	16	0
SOUTH ASSAM(INCLUDING NAGALAND,																											
TURA...........................	0830	370	1005.6	964.4	-2.2	25.3	24.1	23.5	28.9	89	+ 1	6.5	+0.3	2.7	0	0	20	02	6	5	0	3	2	2	0	10	0
	1730	370	1002.4	961.4	-2.0	26.3	24.8	24.1	30.0	88	+ 3	6.9	+0.2	3.5	0	0	24	02	2	1	3	6	4	3	3	6	0
HAFLONG........................	0830	682	1007.1	932.1	+0.3	23.4	21.7	20.9	24.7	87	+ 1	5.9	+0.5	2.2	0	0	30	00	0	0	0	3	27	0	0	0	0
	1730	682	1002.5	928.3	+0.1	24.6	22.9	22.1	26.6	85	+ 3	5.9	+0.5	2.0	0	0	30	00	0	0	0	0	30	0	0	0	0
SILCHAR(KUMBHIRGRAM)............	0530	97	1004.0	993.0	..	24.1	23.5	23.2	28.4	95	..	6.7	..	5.0	0	0	24	00	4	19	0	0	0	1	0	6	0
	0830	97	1005.5	994.6	-1.1	26.8	24.9	24.1	30.0	85	+ 1	6.7	+1.0	4.9	0	0	22	00	2	9	5	3	2	1	0	8	0
	1130	97	1003.9	993.1	..	29.8	25.7	23.9	29.7	71	..	6.5	..	7.0	0	0	28	00	1	3	2	2	7	9	1	'2	3
	1730	97	1001.5	990.7	-0.2	27.9	25.6	24.6	30.9	83	+ 2	6.2	+1.1	3.9	0	0	17	00	3	5	1	0	4	4	0	13	0
SILCHAR........................	0830	29	1007.8	1004.5	+0.2	27.3	25.5	24.7	31.1	86	+ 1	6.3	+0.2	0.7	0	0	8	00	1	1	1	2	2	1	0	22	0
	1730	29	1003.4	1000.1	-0.1	28.8	26.1	24.9	31.5	80	- 2	5.8	+0.3	0.3	0	0	4	00	1	0	0	0	1	0	2	26	0
IMPHAL(TULIHAL)................	0530	781	1006.5	920.6	..	21.4	21.0	20.8	24.6	96	..	6.5	..	2.1	0	0	8	02	0	3	2	1	0	0	0	22	0
	0830	781	1007.1	922.1	-0.9	24.4	22.1	21.1	25.0	81	+ 0	6.4	+0.3	3.4	0	0	11	00	2	2	1	2	2	0	2	19	0
	1130	781	1005.1	920.8	..	26.5	22.9	21.3	25.3	73	..	6.4	..	7.3	0	0	23	01	0	1	8	4	2	2	5	7	0
	1430	781	1002.2	918.3	..	26.9	22.8	20.9	24.7	70	..	6.0	..	8.8	0	1	22	01	0	0	6	5	3	2	6	7	0
	1730	781	1003.2	918.6	+1.0	24.7	22.2	21.1	25.0	81	+	6.0	+0.4	8.3	0	2	21	00	1	3	4	7	0	1	7	7	0
	2030	781	1006.3	921.1	..	23.3	21.8	21.1	25.0	88	..	5.3	..	3.1	0	0	10	01	0	0	2	2	0	0	5	20	0
	2330	781	1006.6	921.1	..	22.4	21.6	21.2	25.2	93	..	6.3	..	3.1	0	0	10	01	1	1	1	2	0	2	2	20	0
KAILASHAHAR....................	0530	29	1005.7	1002.4	..	24.9	24.6	24.5	30.7	97	..	6.0	..	1.6	0	0	17	00	3	3	1	6	4	0	0	13	0
	0830	29	1007.3	1004.0	+0.2	27.5	25.5	24.6	30.9	85	+ 2	5.9	-0.4	4.1	0	0	27	02	4	2	5	5	8	0	0	3	1
	1130	2[illegible]	1005.9	1002.7	..	30.1	26.4	24.9	31.5	75	..	6.1	..	5.8	0	0	30	03	3	1	6	8	8	0	1	0	0
	1730	29	1003.7	1000.5	+0.8	28.4	26.4	25.6	32.8	85	+ 2	5.8	-0.5	2.8	0	0	20	01	2	2	3	1	6	2	3	10	0
AGARTALA.......................	0230	16	1003.4	1001.6	..	25.0	24.3	23.9	29.7	94	..	6.4	..	7.9	0	0	24	00	0	3	16	4	1	0	0	6	0
	0530	16	1003.8	1002.0	..	24.7	24.1	23.8	29.5	95	..	6.7	..	9.5	0	2	21	00	0	5	14	3	1	0	0	7	0
	0830	16	1005.5	1003.7	-0.1	27.6	25.6	24.7	31.1	85	- 1	6.8	+0.4	13.9	0	7	21	00	1	5	14	6	1	0	1	2	0
	1130	16	1004.4	1002.6	..	29.1	26.1	24.9	31.5	79	..	6.7	..	11.7	0	3	24	02	0	4	10	6	1	3	1	3	0
	1430	16	1001.6	999.8	..	29.2	26.1	24.7	31.1	76	..	6.4	..	11.2	0	5	24	03	0	3	9	8	1	1	4	1	0
	1730	16	1002.0	1000.2	-0.3	27.5	25.8	25.1	31.9	87	+ 2	6.5	+0.2	10.8	0	3	22	01	0	1	5	12	3	0	3	5	0
	2030	16	1004.5	1002.7	..	26.0	25.0	24.6	30.9	92	..	5.4	..	8.2	0	3	18	00	0	4	10	6	0	1	0	9	0
	2330	16	1004.6	1002.8	..	25.5	24.7	24.3	30.4	94	..	5.8	..	7.3	0	1	20	00	0	0	15	5	0	1	0	9	0
SUB-HIMALAYAN WEST BENGAL																											
BAGHDOGRA......................	0230	131	1004.1	989.3	..	25.0	24.4	24.1	30.0	95	..	5.8	..	9.4	0	0	27	05	15	4	0	0	3	0	0	3	0
	0530	131	1004.3	989.4	..	24.3	23.6	23.3	28.6	94	..	5.8	..	8.7	0	0	26	03	12	6	1	1	2	0	1	4	0
	0820	131	1005.8	991.0	-0.6	27.4	25.1	24.1	30.0	83	+ 2	6.1	+0.3	13.8	0	4	22	00	13	11	1	0	0	1	0	4	0
	1130	131	1005.1	990.5	..	29.3	26.0	24.5	30.7	77	..	6.1	..	14.9	0	3	27	01	8	10	7	3	0	1	0	0	0
	1430	131	1002.1	987.6	..	30.4	26.5	24.9	31.5	73	..	5.6	..	14.7	0	3	27	00	8	8	7	3	4	0	0	0	0
	1730	131	1002.0	987.4	-0.9	28.4	26.0	25.0	31.7	82	+ 0	5.8	+0.3	11.4	0	3	26	01	10	8	4	3	3	0	0	1	0
	2030	131	1004.5	989.7	..	26.6	25.1	24.5	30.7	89	..	5.4	..	10.4	0	0	27	03	12	7	0	1	4	0	0	3	0
	2330	131	1005.0	990.1	..	25.8	24.8	24.4	30.5	92	..	6.0	..	9.7	0	0	26	04	14	5	0	0	2	0	0	4	1
JALPAIGURI.....................	0830	8[illegible]	1005.7	996.4	-0.9	26.6	24.8	24.0	29.8	86	- 1	5.1	-0.3	3.8	0	0	25	04	3	15	2	0	0	0	1	5	0
	1730	83	1001.7	992.5	-1.0	28.5	26.0	24.9	31.5	81	+ 2	4.3	-0.5	3.5	0	0	22	00	7	7	2	3	1	1	1	8	0
COOCH BEHAR AERODROME..........	0830	43	1006.2	1001.4	-0.1	27.4	25.3	24.4	30.5	84	+ 2	6.1	+0.4	7.1	0	1	24	00	3	17	3	1	0	1	0	5	0
	1130	43	1005.2	1000.4	..	29.3	26.2	24.9	31.5	78	..	5.9	..	10.6	0	2	27	01	6	12	4	4	0	1	0	1	1
	1730	43	1002.5	997.7	+0.0	28.1	25.8	24.9	31.5	83	+ 2	5.2	-0.2	2.9	0	0	11	01	0	8	1	0	1	0	0	19	0
BALURGHAT......................	0830	26	1005.3	1002.4	..	28.2	26.3	25.5	32.6	85	..	5.8	..	4.3	0	0	26	00	3	13	5	2	1	2	0	4	0
	1730	26	1002.0	999.1	..	29.0	26.6	25.6	32.8	83	..	4.6	..	3.3	0	0	23	00	3	3	11	4	1	1	0	7	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - SEPTEMBER,1967 (BHADRA 10 - ASVINA 8,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 62 or more	20 to 61	1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SUB-HIMALAYAN WEST BENGAL																											
MALDA	0830	31	1004.9	1001.4	-1.0	28.5	26.1	25.1	31.9	82	+ 0	4.9	-0.8	2.5	0	0	23	00	3	7	5	3	2	1	2	7	0
	1730	31	1001.6	998.1	-0.8	29.1	26.3	25.1	31.9	79	- 1	4.7	-0.9	1.6	0	0	15	00	1	4	7	1	1	0	1	15	0
GANGETIC WEST BENGAL																											
BERHAMPORE	0830	19	1004.5	1002.3	-1.1	28.4	26.4	25.6	32.8	86	+ 5	6.3	+0.4	3.5	0	0	26	00	0	13	3	4	4	1	1	4	0
	1730	19	1001.7	999.6	-0.3	28.4	26.5	25.7	33.0	86	+ 6	5.9	-0.1	2.0	0	0	9	00	0	7	0	2	0	0	0	21	0
SURI	0830		..	..	..	28.3	26.1	25.2	32.1	83	+ 0	5.5	-0.3	3.7	0	0	30	05	2	11	0	11	0	1	0	0	0
ASANSOL	0230	126	1002.3	988.2	..	25.9	25.1	24.7	31.1	93	..	5.3	..	3.1	0	0	13	02	1	2	2	5	0	0	1	17	0
	0530	126	1002.7	988.5	..	25.6	24.9	24.6	30.9	94	..	6.2	..	3.1	0	0	18	01	3	1	4	6	0	0	3	12	0
	0830	126	1004.3	990.2	-0.9	28.7	26.1	25.0	31.7	81	- 2	5.9	+0.2	5.8	0	0	29	02	8	2	5	5	0	2	5	1	0
	1130	126	1003.4	989.5	..	30.9	26.7	24.9	31.5	71	..	6.1	..	8.2	0	0	29	03	5	5	4	7	0	1	4	1	0
	1430	126	1000.9	987.0	..	30.9	26.6	24.7	31.1	71	..	6.5	..	7.5	0	0	30	04	10	4	2	4	1	2	3	0	0
	1730	126	1001.1	987.0	-0.6	28.8	26.1	24.9	31.5	80	+ 0	6.8	+0.5	4.1	0	1	21	02	2	5	6	3	0	3	1	8	0
	2030	126	1003.3	989.1	..	26.9	25.5	24.9	31.5	89	..	5.4	..	4.4	0	1	20	02	2	4	4	6	1	1	1	9	0
	2330	126	1003.7	989.5	..	26.2	25.2	24.8	31.3	92	..	5.7	..	3.6	0	0	17	01	0	2	4	7	0	0	3	13	0
SHANTI NIKETAN	0830	59	1004.8	998.1	..	27.7	26.2	25.5	32.6	88	..	6.5	..	5.3	0	1	27	02	8	3	3	6	4	1	1	2	0
	1130	59	1004.0	997.4	..	30.2	26.9	25.5	32.6	76	..	5.5	..	4.3	0	0	27	01	7	1	7	6	3	2	0	3	0
	1730	59	1001.5	994.8	..	28.1	26.1	25.3	32.2	85	..	6.6	..	5.3	0	0	23	01	4	0	10	6	1	0	1	7	0
KRISHNANAGAR	0830	15	1004.5	1002.8	-1.2	28.9	26.7	25.8	33.2	84	+ 1	4.1	-1.8	3.1	0	0	20	02	1	2	4	8	1	1	1	10	0
	1730	15	1001.9	1000.3	-0.4	28.6	26.1	25.1	31.9	82	- 1	5.3	-0.9	0.8	0	0	12	00	0	4	3	5	0	0	0	18	0
PURULIA	0830	255	1004.7	976.3	-0.8	27.0	25.1	24.3	30.4	85	+ 3	5.7	+0.2	5.6	0	0	28	06	3	3	4	6	1	2	3	2	0
	1730	255	1001.2	973.1	-0.7	28.1	25.3	24.1	30.0	80	+ 1	7.0	+0.4	4.9	0	0	26	04	4	1	8	3	1	1	4	4	0
BANKURA	0830	100	1004.3	993.1	..	28.1	25.9	25.0	31.7	81	..	4.8	..	1.5	0	0	18	02	2	3	1	3	3	0	2	12	2
	1730	100	1000.9	989.7	..	28.1	25.7	24.7	31.1	84	..	5.8	..	0.8	0	0	5	00	0	0	1	0	0	0	0	25	4
BURDWAN	0830	32	1004.1	1000.5	-1.3	28.9	26.8	25.9	33.4	84	+ 1	4.4	-0.4	5.5	0	0	29	01	4	10	3	8	2	1	0	1	0
	1730	32	1001.0	997.4	-1.0	29.3	26.9	25.9	33.4	82	+ 2	5.2	-0.2	5.1	0	0	29	01	0	12	3	9	1	2	1	1	0
CALCUTTA (DUM DUM)	0230	6	1002.2	1001.5	..	26.6	25.8	25.5	32.6	93	..	5.0	..	4.3	0	0	20	00	2	2	7	4	2	1	2	10	0
	0530	6	1002.6	1001.9	..	26.3	25.6	25.3	32.2	94	..	6.7	..	3.7	0	0	17	00	3	1	6	4	1	1	1	13	0
	0830	6	1004.3	1003.6	-1.3	28.5	26.3	25.4	32.4	84	+ 3	7.0	+0.9	6.1	0	0	26	02	1	1	8	6	3	2	3	4	0
	1130	6	1003.5	1002.8	..	30.3	26.7	25.2	32.1	75	..	7.0	..	9.5	0	1	29	01	3	4	7	6	4	2	3	0	0
	1430	6	1001.0	1000.3	..	29.8	26.4	25.0	31.7	76	..	6.8	..	7.9	0	0	28	01	2	2	9	8	3	1	2	2	0
	1730	6	1001.2	1000.5	-1.0	28.3	26.0	25.1	31.9	83	+ 2	7.1	+0.6	5.2	0	0	24	01	1	1	9	4	4	3	1	6	0
	2030	6	1003.4	1002.7	..	27.5	26.1	25.5	32.6	89	..	4.7	..	4.8	0	1	20	01	1	2	5	9	3	0	0	9	0
	2330	6	1003.5	1002.8	..	26.9	25.8	25.3	32.2	91	..	4.9	..	4.5	0	0	21	01	0	1	6	9	3	1	0	9	0
CALCUTTA	0830	6	1004.3	1003.6	-1.2	28.9	26.5	25.5	32.6	82	- 2	6.5	+0.6	7.1	0	0	28	01	3	2	7	3	5	2	5	2	0
	1130	6	1003.4	1002.7	..	30.7	26.9	25.3	32.2	74	..	6.4	..	9.6	0	2	27	00	2	4	4	5	8	0	6	1	0
	1730	6	1001.3	1000.6	-0.9	28.4	26.2	25.3	32.2	83	+ 1	6.3	-0.1	5.5	0	1	25	00	4	1	8	7	3	1	2	4	0
MIDNAPURE	0830	45	1004.3	999.2	-1.0	28.1	26.0	25.1	31.9	84	+ 1	4.4	-1.0	1.3	0	0	15	02	3	2	0	6	2	0	0	15	0
	1730	45	1001.1	996.0	-0.9	28.2	25.9	24.9	31.5	83	+ 1	6.0	+0.1	2.9	0	0	17	02	1	1	2	7	3	0	1	13	0
CONTAI	0830	11	1004.2	1003.0	-0.7	28.5	26.5	25.7	33.0	85	+ 1	5.0	-0.3	7.3	0	2	28	07	2	0	0	9	7	4	1	0	0
	1730	11	1001.3	1000.1	-0.6	28.2	26.3	25.5	32.6	85	+ 0	4.3	-0.8	8.7	0	1	25	00	0	1	2	12	7	3	1	4	0
SAGAR ISLAND	0830	3	1003.9	1003.6	-1.1	28.4	26.5	25.7	33.0	86	+ 4	5.8	-0.1	16.2	0	9	21	03	2	1	4	8	6	3	3	0	0
	1730	3	1001.1	1000.8	-1.0	28.4	26.3	25.5	32.6	85	+ 2	6.2	+0.3	17.9	1	6	23	01	3	2	6	10	4	2	2	0	0
SANDHEADS	0530	10	1002.3	1001.2	..	27.8	26.3	25.7	33.0	88	..	6.0	..	20.0	0	13	16	01	1	1	1	7	12	4	2	1	0
	0830	10	1004.5	1003.4	-0.9	28.8	26.7	25.9	33.4	85	+ 4	5.7	+0.2	19.2	1	11	17	00	3	2	0	8	10	3	3	1	0
	1130	10	1004.0	1002.9	..	29.2	26.7	25.7	33.0	82	..	5.9	..	19.9	0	14	15	00	2	1	1	4	11	7	3	1	0
	1730	10	1001.6	1000.5	-0.9	28.5	26.4	25.5	32.6	84	+ 2	6.4	+1.0	20.4	0	14	15	00	1	1	0	8	15	2	2	1	0
	2330	10	1003.7	1002.6	..	28.1	26.4	25.7	33.0	87	..	1.8	..	22.0	2	11	17	00	2	0	0	7	15	3	3	0	0
ORISSA																											
BARIPADA	0830	54	1005.2	999.1	+0.0	27.9	26.2	25.5	32.6	86	+ 3	5.8	+0.2	2.9	0	0	25	07	5	0	4	2	2	2	3	5	0
	1730	54	1002.5	996.4	+0.3	27.2	25.8	25.2	32.1	89	+ 4	6.9	+0.8	1.3	0	0	12	02	1	1	2	3	2	0	1	18	0
JHARSUGUDA	0230	230	1003.1	977.3	..	25.1	24.3	23.9	29.7	93	..	6.5	..	5.3	0	1	19	02	2	0	1	2	3	9	1	10	0
	0530	230	1003.3	977.4	..	24.6	24.0	23.7	29.3	95	..	6.8	..	4.5	0	1	17	00	0	1	1	1	5	8	2	12	0
	0830	230	1004.7	979.0	-0.2	26.8	25.1	24.2	30.2	86	+ 1	6.6	+0.2	6.5	0	1	17	00	0	1	0	2	2	11	2	12	0
	1130	230	1004.0	978.5	..	29.5	25.6	23.9	29.7	73	..	6.2	..	9.7	0	3	24	00	0	1	0	3	5	13	5	3	0
	1430	230	1001.3	975.9	..	29.8	25.6	23.7	29.3	71	..	6.5	..	11.6	0	6	23	01	1	1	3	1	8	12	2	1	0
	1730	230	1001.4	975.9	+0.1	27.7	25.0	23.7	29.3	80	- 1	7.0	+0.1	9.0	0	2	25	01	0	1	5	5	3	11	1	3	0
	2030	230	1003.7	977.9	..	26.1	24.6	23.9	29.7	88	..	6.7	..	6.7	0	5	19	00	1	0	2	3	7	10	1	6	0
	2330	230	1004.1	978.4	..	25.6	24.6	24.1	30.0	91	..	6.3	..	5.3	0	0	23	00	1	1	1	3	6	7	3	7	1
KEONJHARGARH	0830	463	1005.8	954.7	+0.3	24.8	23.8	23.4	28.8	90	+ 8	5.0	-0.8	1.5	0	0	20	01	1	0	1	0	3	10	4	10	0
	1730	463	1001.8	951.1	-0.4	26.0	24.5	23.9	29.7	88	+ 6	5.3	-1.9	1.3	0	0	18	01	0	3	0	2	0	12	0	12	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — SEPTEMBER, 1967 BHADRA 10 - ASVINA 8, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
															Wind Speed (Km. p. h.)			Wind direction									
			At mean sea level or Jt. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORRISA(CONTD)																											
BALASORE	0830	20	1004.5	1002.3	-0.6	28.1	23.9	25.0	31.7	84	+ 0	5.6	-1.3	7.2	0	1	26	04	1	1	1	5	13	1	1	3	0
	1730	20	1001.7	999.5	-0.3	28.1	26.0	25.1	31.9	85	+ 1	6.1	-1.0	8.0	0	2	26	02	2	0	2	11	10	0	1	2	0
SAMBALPUR	0830	148	1004.7	988.0	-0.6	27.4	25.6	24.8	31.3	85	+ 1	5.2	-0.7	1.7	0	0	14	00	1	0	0	1	5	7	0	16	0
	1730	148	1003.0	986.4	+1.2	27.2	25.4	24.6	30.9	86	+ 7	5.1	-1.4	0.5	0	0	5	02	0	0	0	0	3	0	0	25	0
ANGUL	0830	139	1005.0	989.4	-0.5	27.7	25.1	23.9	29.7	81	- 2	7.3	+1.2	3.4	0	0	27	03	0	4	0	2	0	16	2	3	0
	1730	139	1001.6	986.0	-0.6	28.2	25.3	24.1	30.0	79	+ 1	7.5	+0.8	2.7	0	0	24	02	0	3	1	4	3	11	0	6	0
CHANDBALI	0830	6	1004.8	1004.2	-0.5	28.0	26.2	25.4	32.4	86	+ 3	6.2	+0.9	2.7	0	0	22	03	0	1	2	2	6	5	3	8	0
	1730	6	1001.9	1001.2	-0.4	28.4	26.3	25.5	32.6	86	+ 4	6.3	+0.8	3.3	0	0	23	00	0	3	7	1	6	3	3	7	0
BOLANGIR	0830	190	1005.5	984.2	+1.3	27.4	25.3	24.3	30.4	84	+ 2	5.9	-0.4	2.9	0	0	23	00	0	0	0	17	2	4	0	7	0
	1730	190	1001.6	980.5	+0.3	28.6	25.8	24.6	30.9	80	+ 1	6.7	-0.1	2.8	0	0	20	02	1	0	1	8	4	4	0	10	0
PHULBANI	0830	464	1005.3	954.2	..	25.4	23.1	22.1	26.6	83	..	4.4	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	464	1001.2	950.5	..	26.7	23.8	22.5	27.3	78	..	5.3	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
CUTTACK	0830	27	1005.5	1002.5	+0.1	28.1	25.8	24.9	31.5	83	+ 0	4.1	-1.4	3.5	0	0	24	01	0	0	0	1	3	16	3	6	0
	1730	27	1002.5	999.5	+0.4	29.7	26.4	25.1	31.9	77	- 3	4.4	-1.7	4.1	0	0	25	01	0	2	0	9	6	6	1	5	0
TITLAGARH	0830	211	1004.7	981.1	-0.4	26.9	24.9	24.0	29.8	83	+ 0	4.9	+0.0	2.0	0	0	30	00	0	0	1	0	26	1	2	0	0
	1730	211	1001.7	978.3	+0.0	28.5	25.2	23.7	29.3	74	- 2	4.8	-0.5	2.0	0	0	30	00	9	0	2	0	17	1	1	0	0
BHUBANESWAR	0230	46	1002.9	997.7	..	25.9	25.4	25.1	31.9	96	..	5.4	..	7.3	0	1	23	02	1	1	0	2	15	2	1	6	0
	0530	46	1003.3	998.1	..	25.7	25.2	24.9	31.5	95	..	6.1	..	7.2	0	1	23	03	1	0	0	1	11	5	3	6	0
	0830	46	1005.2	1000.0	+0.3	27.7	25.9	25.1	31.9	87	+ 2	6.2	-0.1	9.1	0	2	25	03	0	0	0	0	13	11	0	3	0
	1130	46	1004.5	999.4	..	29.9	26.4	24.9	31.5	75	..	6.6	..	12.6	0	2	28	02	2	1	1	1	11	9	3	0	0
	1430	46	1002.0	996.8	..	29.8	26.2	24.7	31.1	75	..	6.6	..	13.7	0	5	25	02	2	1	0	4	12	3	6	0	0
	1730	46	1002.2	997.1	+0.5	28.2	26.2	25.4	32.4	85	+ 1	6.5	-0.2	11.0	0	3	25	03	2	2	0	7	11	2	1	2	0
	2030	46	1004.3	999.2	..	26.9	25.9	25.5	32.6	92	..	5.7	..	9.1	0	1	25	02	0	0	0	2	17	3	2	4	0
	2330	46	1004.3	999.1	..	26.5	25.7	25.4	32.4	94	..	5.4	..	8.4	0	2	22	01	0	1	0	4	11	5	2	6	0
PURI	0830	6	1004.5	1003.9	-0.8	28.7	26.5	25.7	33.0	85	+ 5	6.1	+0.6	10.9	0	7	13	00	0	0	0	0	20	0	0	10	0
	1730	6	1001.5	1000.8	-0.9	28.8	26.7	25.9	33.4	85	+ 4	6.5	+0.8	15.2	0	13	11	00	0	0	0	0	24	0	0	6	0
GOPALPUR	0530	17	1003.7	1001.8	..	26.4	25.4	25.0	31.7	92	..	6.2	..	7.1	0	3	19	02	0	0	0	2	9	6	3	8	0
	0830	17	1005.5	1003.6	+0.0	28.2	26.1	25.3	32.2	85	+ 4	6.5	+0.9	8.4	0	2	22	04	1	0	0	0	14	2	3	6	0
	1130	17	1005.1	1003.2	..	30.0	27.0	25.8	33.2	78	..	6.4	..	11.5	0	3	26	03	1	1	0	7	14	2	1	1	0
	1730	17	1002.7	1000.8	+0.2	28.6	26.5	25.7	33.0	85	+ 2	6.9	+0.9	16.5	0	12	16	02	0	0	1	4	16	4	1	2	0
	2330	17	1004.8	1002.9	..	27.1	25.7	25.1	31.9	89	..	5.6	..	10.0	0	4	20	01	1	0	0	3	15	1	3	6	0
KORAPUT	0830	913	1479.7	907.4	+0.5	22.7	21.0	20.1	23.5	86	- 3	6.7	+0.8	12.1	0	6	24	00	0	0	0	0	0	30	0	0	0
	1730	913	1455.8	905.0	+0.7	22.7	20.8	19.9	23.2	85	+ 2	7.0	+0.4	12.7	0	3	27	00	0	0	0	0	0	30	0	0	0
BIHAR PLATEAU																											
DUMKA	0830	149	1004.5	987.9	-0.7	28.0	25.8	24.9	31.5	84	+ 3	4.3	+0.0	3.5	0	0	19	00	2	5	3	2	3	1	3	11	0
	1730	149	1001.2	984.6	-0.8	28.2	25.9	24.9	31.5	83	+ 3	4.6	-0.2	2.7	0	0	14	01	4	4	1	1	2	1	0	16	0
DALTONGANJ	0830	221	1004.2	979.6	-0.8	27.7	25.2	24.2	30.2	82	+ 3	6.1	+1.2	0.1	0	0	1	00	0	0	0	0	0	0	1	29	0
	1730	221	1001.3	976.7	-0.2	28.5	25.4	24.1	30.0	78	+ 1	6.8	+0.7	2.3	0	0	20	00	3	0	2	1	2	2	10	10	0
HAZARIBAGH	0830	611	1004.0	937.0	-1.1	25.1	23.2	22.3	26.9	85	+ 2	5.5	+0.0	5.7	0	0	26	03	3	3	3	2	2	3	7	4	0
	1730	611	1000.8	934.3	-0.9	26.2	23.5	22.3	26.9	80	- 2	6.5	-0.6	5.0	0	0	27	08	4	2	4	0	1	1	7	3	0
DHANBAD	0830	257	1004.1	975.3	-1.2	27.3	25.2	24.3	30.4	84	+ 1	4.4	-1.5	2.1	0	0	20	01	7	0	5	0	4	1	1	10	1
	1730	257	1000.5	972.2	..	28.4	25.4	24.1	30.0	77	..	6.1	..	2.5	0	0	27	00	9	0	10	0	4	0	4	3	0
RANCHI	0830	655	1004.5	932.9	-0.2	25.2	23.2	22.3	26.9	84	+ 1	4.9	-0.5	1.3	0	0	19	08	3	2	1	2	0	2	1	11	0
	1730	655	1001.5	930.4	-0.1	26.4	23.8	22.7	27.6	80	- 3	4.9	-1.2	0.7	0	0	11	05	0	2	0	4	0	0	0	19	0
RANCHI AERODROME	0530	652	1002.7	931.1	..	22.8	22.1	21.7	25.9	94	..	5.7	..	9.7	0	2	22	05	1	3	0	1	5	4	5	6	0
	0830	652	1003.9	932.6	-0.3	24.8	22.7	21.7	25.9	81	- 4	5.9	-0.3	13.5	0	3	25	03	6	1	1	1	3	5	8	2	0
	1130	652	1003.0	932.2	..	26.9	23.1	21.4	25.5	73	..	6.0	..	16.3	0	6	24	04	5	3	2	2	2	5	7	0	0
	1430	652	1000.2	929.8	..	27.7	23.4	21.5	25.6	70	..	6.3	..	16.1	0	7	22	05	5	3	1	1	3	3	8	1	0
	1730	652	1000.6	929.9	+0.0	26.1	23.2	21.9	26.3	79	- 1	6.7	+0.1	11.2	0	3	25	05	3	2	1	5	1	3	8	2	0
	2030	652	(R)																								
JAMSHEDPUR	0830	129	1003.7	989.1	-1.7	27.6	25.7	24.9	31.5	85	+ 3	5.6	+0.0	2.1	0	0	22	01	1	2	2	1	4	8	3	8	0
	1730	129	1000.8	986.5	-0.7	28.3	25.7	24.6	30.9	81	+ 2	6.1	-0.3	2.2	0	0	19	01	0	6	5	1	1	5	0	11	0
JAMSHEDPUR P.B.O.	0530	142	1002.6	986.6	..	25.4	24.9	24.7	31.1	96	..	6.0	..	2.9	0	0	14	00	1	1	0	1	2	3	6	16	0
	0830	142	1004.2	988.4	-0.1	27.5	25.7	24.9	31.5	86	+ 3	6.2	-0.1	6.7	0	1	24	02	1	1	2	0	10	4	5	5	0
	1130	142	1003.3	987.6	..	29.7	26.3	24.9	31.5	76	..	6.0	..	6.9	0	0	28	05	1	3	0	2	5	5	7	2	0
	1430	142	1000.7	985.0	..	30.2	26.2	24.5	30.7	72	..	6.7	..	7.4	0	0	29	04	2	4	1	4	3	1	10	1	0
	1730	142	1000.8	985.1	+0.0	28.1	25.8	24.9	31.5	83	+ 3	7.0	+0.1	5.3	0	0	24	01	1	6	5	2	4	2	3	6	0
	2030	142	1003.2	987.3	..	26.7	25.6	25.1	31.9	92	..	5.8	..	4.2	0	0	21	00	3	7	0	1	2	4	4	9	0
	2330	142	1003.5	987.5	..	26.0	25.3	25.0	31.7	94	..	4.8	..	3.8	0	1	14	00	1	4	0	1	3	2	4	15	0
CHAIBASA	0830	226	1003.5	978.3	-1.6	27.0	24.9	23.9	29.7	83	+ 0	7.6	+1.3	3.9	0	0	26	00	4	0	2	0	18	0	2	4	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – SEPTEMBER 1967 BHADRA 10 - ASVINA 8, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mb. At station level	Mean pressure in mb. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BIHAR PLATEAU(CONTD.)																											
CHAIBASA	1730	226	1000.9	975.8	-0.7	27.9	25.5	24.5	30.7	82	+ 2	7.8	+0.8	2.4	0	0	21	01	6	0	3	1	8	0	2	9	0
BIHAR PLAINS																											
MOTIHARI	0830	66	1004.9	997.2	-0.8	27.8	26.0	25.2	32.1	83	+ 2	4.6	+0.5	3.8	0	0	23	02	4	11	1	0	2	1	2	5	0
	1730	66	1001.0	993.5	-0.7	29.4	26.9	25.9	33.4	82	+ 3	4.2	-0.2	2.2	0	0	9	00	1	3	2	0	0	2	1	12	0
FORBESGANJ	0830	61	1005.0	998.2	-0.2	28.1	25.6	24.5	30.7	81	- 1	4.9	-0.5	3.6	0	0	29	00	0	22	2	0	0	4	1	1	0
	1730	61	1001.4	994.6	-0.1	29.5	26.2	24.8	31.3	76	+ 0	4.5	-0.4	2.7	0	0	28	00	1	17	2	0	0	8	0	2	0
DARBHANGA	0830	49	1004.6	999.1	+0.9	29.9	26.5	25.1	31.9	78	- 3	4.9	-0.5	2.0	0	0	17	00	4	9	0	0	0	1	3	13	0
	1730	49	1001.3	995.8	-0.5	29.9	26.8	25.5	32.6	78	+ 2	3.1	-2.2	1.5	0	0	13	00	3	6	2	0	1	0	1	17	0
MUZAFFARPUR	0830		..	..	..	28.4	26.4	25.6	32.8	85	..	4.4	..	3.1	0	0	17	04	1	9	1	0	0	2	0	13	0
	1730		..	..	..	29.3	26.8	25.7	33.0	81	..	3.6	..	0.9	0	0	5	01	0	4	0	0	0	0	0	25	0
CHAPRA	0830	58	1003.8	997.3	..	28.6	26.0	24.9	31.5	81	..	5.1	..	2.9	0	0	29	00	12	0	5	0	5	0	7	1	0
	1730	58	1001.4	994.9	..	30.0	26.4	24.9	31.5	75	..	3.3	..	2.9	0	0	25	02	12	0	4	0	4	0	3	5	0
PURNEA	0830	38	1005.0	1000.8	-0.5	28.1	26.2	25.4	32.4	85	+ 2	4.9	-0.4	2.3	0	0	27	00	0	22	0	1	1	3	0	3	0
	1730	38	1001.4	997.3	-0.8	28.9	26.3	25.2	32.1	81	- 1	4.7	-0.3	1.5	0	0	20	01	0	15	0	0	2	2	0	10	0
PATNA	0830	53	1004.1	998.1	-1.1	28.1	26.1	25.3	32.2	85	+ 5	5.2	+0.0	9.3	0	3	27	01	13	1	6	1	2	3	3	0	0
	1730	53	1001.0	995.0	-0.8	29.7	26.2	24.7	31.1	75	+ 0	4.8	-0.8	5.7	0	0	26	00	14	3	1	2	0	6	0	4	0
PATNA AERODROME	0230		(R)																								
	0530	60	1002.1	995.3	..	26.3	25.4	25.1	31.9	93	..	6.2	..	7.5	0	2	21	00	5	7	1	0	1	8	1	7	0
	0830	60	1003.7	997.0	-0.6	28.2	26.1	25.1	31.9	84	+ 1	6.0	+0.5	12.5	0	4	26	02	7	10	1	0	1	6	2	0	1
	1130	60	1003.4	996.7	..	30.0	26.5	25.1	31.9	75	..	6.2	..	13.1	0	5	24	03	6	8	3	0	1	5	2	1	1
	1430	60	1000.7	994.1	..	30.8	26.5	24.7	31.1	71	..	6.1	..	10.8	0	0	29	03	3	10	4	0	2	4	3	1	0
	1730	60	1000.4	993.7	-0.4	29.5	26.2	24.8	31.3	76	+ 0	5.8	+0.5	8.0	0	2	26	04	5	6	3	1	1	6	2	2	0
	2030	60	1002.7	996.0	..	28.0	26.2	25.4	32.4	86	..	4.9	..	6.8	0	2	19	02	4	10	1	0	1	3	0	9	0
	2330	60	1003.0	996.2	..	27.2	25.9	25.3	32.2	90	..	5.0	..	6.6	0	2	19	01	5	7	3	0	1	2	2	9	0
BHAGALPUR	0530	49	1003.0	997.5	..	26.3	25.5	25.2	32.1	93	..	6.6	..	3.7	0	0	28	00	2	11	9	2	3	1	0	2	0
	0830	49	1004.5	999.0	-1.0	28.8	26.4	25.4	32.4	82	+ 0	6.4	+0.9	3.8	0	0	28	00	2	8	10	2	1	4	1	2	0
	1130	49	1003.9	998.5	..	30.5	26.8	25.3	32.2	74	..	6.2	..	4.3	0	0	30	00	3	9	8	2	2	5	1	0	0
	1730	49	1001.5	996.0	-0.5	29.4	26.2	24.8	31.3	78	- 2	6.0	+0.3	3.5	0	0	29	00	3	8	11	1	0	5	0	1	1
	2330	49	1003.8	998.3	..	27.4	25.8	25.1	31.9	88	..	5.3	..	3.1	0	0	28	00	0	12	8	2	3	3	0	2	0
SABAUR	0830	37	1004.7	1000.5	-0.7	28.5	26.9	26.3	34.2	88	+ 4	5.8	+0.0	8.5	0	2	28	00	0	17	5	1	3	3	1	0	0
	1730	37	1001.4	997.2	-0.4	29.2	27.0	26.1	33.8	85	+ 2	6.1	+0.1	7.4	0	1	27	01	1	13	5	1	1	3	3	2	0
JAMUI	0830	82	(R)																								
	1730	82	(R)																								
DEHRI	0830	107	1003.9	991.9	-0.6	28.1	26.0	25.1	31.9	84	+ 1	5.2	+0.2	2.9	0	0	29	05	0	3	5	2	5	3	6	1	0
	1730	107	1000.1	988.1	-0.6	29.4	26.4	25.1	31.9	79	+10	4.9	-0.6	2.7	0	0	29	01	6	5	3	1	0	9	4	1	0
GAYA	0230	116	1002.6	989.6	..	26.3	25.6	25.3	32.2	95	..	5.7	..	8.1	0	4	20	02	6	5	1	5	2	3	0	6	0
	0530	116	1002.7	989.7	..	25.6	25.3	25.2	32.1	97	..	6.1	..	8.8	0	2	25	04	7	4	2	3	3	3	1	3	0
	0830	116	1004.2	991.2	-0.9	27.8	25.9	25.1	31.9	86	+ 7	6.0	+3.6	10.9	0	4	24	00	5	5	1	3	5	5	4	2	0
	1130	116	1003.9	991.0	..	30.1	26.4	24.9	31.5	74	..	6.2	..	11.8	0	2	28	03	7	3	0	1	3	7	6	0	0
	1430	116	1003.9	991.0	..	30.1	26.4	24.9	31.5	74	..	6.2	..	11.8	0	2	28	03	7	3	0	1	3	7	6	0	0
	1730	116	1001.0	988.1	-0.4	29.8	26.5	25.1	31.9	76	+ 2	6.0	+0.3	9.5	0	2	26	05	8	3	0	0	0	7	5	2	0
	2030	116	1003.1	990.1	..	27.6	26.2	25.6	32.8	89	..	5.6	..	6.7	0	2	23	04	9	2	1	3	2	2	2	5	0
	2330	116	1003.6	990.6	..	26.9	26.0	25.7	33.0	93	..	5.6	..	7.4	0	2	21	02	7	3	2	4	3	2	0	7	0
UTTAR PRADESH EAST																											
KHERI	0830	147	(R)																								
	1730	147	(R)																								
BAHRAICH	0830	124	(R)																								
	1730	124	(R)																								
NAUTANWA	0830	99	1004.9	993.7	+0.1	27.8	25.5	24.5	30.7	82	+ 0	3.1	-1.2	2.8	0	0	22	01	2	10	4	1	2	0	2	8	0
	1730	99	1000.7	989.9	-0.9	30.2	26.6	25.2	32.0	75	- 1	2.3	-1.5	1.9	0	0	17	00	3	4	3	0	5	1	1	13	0
HARDOI	0830	142	1004.2	988.3	-0.4	28.0	25.4	24.2	30.2	81	- 1	3.6	+0.3	2.3	0	0	22	03	0	5	2	3	1	8	0	8	0
	1730	142	1000.9	985.2	-0.2	30.1	26.4	24.6	31.3	74	+ 3	3.2	-0.1	2.5	0	0	25	04	0	2	1	3	3	12	0	5	0
GONDA	0830	110	1004.5	992.3	-0.7	28.9	26.2	25.2	32.1	80	- 2	3.7	-0.5	2.1	0	0	19	00	1	9	0	1	3	1	4	11	0
	1730	110	1000.9	988.8	-0.6	30.3	26.4	24.8	31.3	73	- 3	3.3	-0.9	0.9	0	0	9	00	0	5	0	0	0	2	2	21	0
LUCKNOW	0830	111	1003.9	991.5	-0.9	28.2	26.3	25.4	32.4	86	+ 4	3.1	-0.9	0.1	0	0	1	00	0	1	0	0	0	0	0	29	0
	1730	111	999.6	987.3	-2.3	30.8	28.3	26.9	35.4	82	+ 8	3.8	+0.0	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
LUCKNOW(AMAUSI)	0230	128	1002.4	988.0	..	25.5	24.6	24.2	30.2	92	..	4.0	..	3.5	0	1	13	03	0	5	1	1	1	2	1	16	0
	0530	128	1002.4	987.9	..	25.1	24.2	23.8	29.4	93	..	3.6	..	3.7	0	1	15	01	1	4	2	1	3	3	1	14	0
	0830	128	1004.1	989.8	-0.2	27.8	25.2	24.0	29.8	80	- 1	4.1	-0.4	7.6	0	3	20	00	2	4	3	1	3	7	3	7	0
	1130	128	1003.8	989.7	..	30.9	25.5	23.0	28.1	64	..	5.0	..	9.6	0	2	25	02	2	4	7	0	2	2	8	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - -SEPTEMBER,1967(BHADRA 10 - ASVINA 8,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gmn. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 32 or more	20 to 31	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																											
LUCKNOW(AMAUSI)	1430	128	1001.3	987.3	..	31.6	25.6	22.8	27.7	61	..	5.4	..	11.1	0	3	25	00	2	2	4	2	2	7	8	2	0
	1730	128	1000.6	986.4	-0.4	30.4	25.7	23.5	28.9	67	- 6	4.7	+0.1	5.6	0	1	23	01	3	1	1	1	3	7	7	6	0
	2030	128	1002.6	988.3	..	27.2	25.6	24.8	31.2	86	..	3.9	..	3.1	0	1	10	02	2	2	0	0	3	2	0	19	0
	2330	128	1003.3	988.9	..	26.0	24.8	24.3	30.4	90	..	3.7	..	3.1	0	1	10	01	1	3	1	1	1	3	0	19	0
FAIZABAD	0830	102	1004.3	992.9	-0.1	28.[illegible]	26.0	25.1	31.9	83	+ 1	4.0	-0.8	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	102	1000.6	989.3	-0.3	30.[illegible]	27.0	25.6	32.8	77	- 1	4.2	-0.8	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GORAKHPUR	0830	77	1004.4	995.8	-0.4	28.4	25.6	24.2	30.2	78	- 3	4.7	+0.1	2.2	0	0	28	00	0	17	5	1	2	3	0	2	0
	1730	77	1000.7	992.1	-0.5	31.1	26.0	23.8	29.5	68	- 6	4.0	-0.6	1.4	0	0	14	01	0	4	0	3	2	3	1	16	0
GORKHPUR P.B.O	0230	78	1002.6	993.8	..	27.6	25.7	24.1	31.9	86	..	4.6	..	3.3	0	1	17	03	3	5	1	0	3	2	1	12	0
	0530	78	1002.7	993.9	..	26.5	25.2	24.7	31.1	88	..	5.0	..	4.4	0	1	19	03	7	5	1	0	1	2	1	10	0
	1130	78	1003.9	995.2	..	30.3	26.5	25.5	32.6	74	..	6.2	..	7.5	0	1	28	01	4	5	9	4	2	3	1	1	0
	1430	78	1001.1	992.5	..	31.5	26.4	24.6	30.9	67	..	5.7	..	7.5	0	2	27	03	2	6	5	3	5	2	3	1	0
	2030	78	1002.7	994.0	..	29.1	26.3	25.3	32.4	80	..	3.7	..	3.5	0	1	18	02	3	3	4	2	1	3	1	11	0
	2330	78	1003.4	994.6	..	27.9	25.9	25.1	31.9	83	..	4.4	..	2.7	0	0	14	00	2	4	4	0	2	1	1	16	0
KANPUR	0830	126	1002.9	988.7	-2.0	27.1	25.1	24.3	30.4	86	+ 5	2.7	-1.1	4.9	0	0	27	01	0	7	1	1	1	15	1	9	0
KANPUR(AERODROME)	1730	126	999.7	986.0	-1.5	30.6	25.6	23.3	28.6	67	- 2	2.7	-1.4	6.3	0	0	27	04	1	4	0	3	0	15	0	3	0
	0530	126	1002.6	988.4	..	24.9	24.3	24.0	29.8	95	..	3.9	..	7.8	0	1	21	01	2	3	2	0	3	10	1	8	0
	0830	126	1004.1	990.1	..	28.0	25.6	24.4	30.5	82	..	3.9	..	11.6	0	2	24	05	0	6	0	1	1	12	1	4	0
	1130	126	1003.9	990.1	..	31.4	26.4	24.1	30.0	67	..	4.4	..	14.3	0	3	26	04	2	6	3	1	2	5	6	1	0
	1730	126	1000.7	986.8	..	30.6	25.7	23.4	28.8	67	..	4.3	..	11.9	0	3	27	07	2	3	2	2	3	7	5	0	0
	2330	126	1003.5	989.3	..	26.4	24.9	24.3	30.4	90	..	3.2	..	5.6	0	1	14	01	2	0	1	1	2	7	1	15	0
SULTANPUR	0830	97	1004.9	994.1	+0.5	28.7	26.1	24.4	30.9	81	- 1	3.7	-1.0	1.3	0	0	13	00	0	1	5	1	2	3	1	17	0
	1730	97	1000.5	989.8	+0.0	31.3	27.1	25.4	32.4	72	- 5	4.1	-0.6	1.4	0	0	14	00	1	5	1	0	1	4	2	16	0
AZAMGARH	0830	78	1004.0	995.3	+0.1	28.0	26.4	25.3	32.2	86	+ 2	4.3	+0.3	3.8	0	0	25	04	1	9	2	1	5	3	0	5	0
	1730	78	1000.1	991.0	-1.2	30.3	28.1	27.3	36.3	84	+ 5	4.1	+0.9	1.9	0	0	16	01	2	6	0	0	1	4	0	14	0
FATEHPUR	0830	114	1004.2	991.4	-0.5	27.6	25.7	24.7	31.1	85	+ 3	3.2	-0.7	3.7	0	0	20	01	1	1	2	0	2	11	2	10	0
	1730	114	1000.7	988.1	-0.5	30.5	26.8	25.3	32.2	74	+ 0	3.7	-0.4	2.8	0	0	19	01	1	2	2	2	1	5	5	11	0
BALLIA	0830	64	1004.8	997.6	+0.5	28.8	26.5	25.6	32.8	86	+ 2	5.8	+1.2	2.0	0	0	23	00	6	12	2	0	1	2	0	7	0
	1730	64	1001.7	994.6	+0.0	30.0	27.2	26.1	33.8	80	+ 5	5.5	+0.8	0.4	0	0	4	00	1	2	1	0	0	0	0	26	0
BANDA	0830	121	1003.2	989.6	-1.6	26.[illegible]	25.3	24.1	30.0	78	- 2	3.4	+0.2	1.4	0	0	17	00	6	0	2	0	9	0	0	13	0
	1730	121	1000.6	987.3	-0.6	30.[illegible]	26.9	25.6	32.8	77	+ 3	3.6	+0.1	1.1	0	0	11	00	4	0	1	0	6	0	0	19	0
ALLAHABAD(BAMHRAULI)	0230	98	1002.4	991.4	..	26.[illegible]	25.0	24.6	30.9	92	..	3.8	..	1.6	0	1	9	00	1	2	2	1	1	1	2	20	0
	0530	98	1002.5	991.4	..	25.[illegible]	24.6	24.2	30.2	93	..	4.6	..	1.5	0	0	9	00	1	1	0	1	1	2	3	21	0
	0830	98	1004.1	993.1	-0.[illegible]	27.8	25.6	24.7	31.1	83	+ 2	4.4	-0.5	3.3	0	0	18	00	1	2	3	1	0	9	2	12	0
	1130	98	1004.1	993.2	..	31.0	26.4	24.4	30.5	69	..	5.2	..	3.6	0	0	24	04	3	2	2	2	0	8	3	6	0
	1430	98	1001.5	990.7	..	32.1	26.7	24.3	30.4	65	..	5.2	..	4.9	0	0	24	04	1	2	2	1	0	8	6	6	0
	1730	98	1000.8	989.9	-0.7	30.0	26.6	25.0	31.7	73	+ 2	4.7	-0.4	2.4	0	0	19	02	3	1	0	1	3	4	5	11	0
	2030	98	1002.6	991.7	..	27.4	25.7	24.8	31.3	84	..	3.5	..	1.1	0	0	10	00	0	3	1	1	3	2	0	20	0
	2330	98	1003.2	992.2	..	26.5	25.3	24.7	31.1	90	..	3.5	..	1.6	0	1	5	00	1	3	0	1	1	0	0	24	0
VARANASI(BABATPUR)	0530	85	1002.8	993.0	..	25.5	24.9	24.7	31.1	95	..	5.0	..	4.7	0	0	15	02	2	3	2	0	1	2	3	15	0
	0830	85	1004.4	994.7	-0.9	28.[illegible]	26.4	25.2	32.1	84	+ 2	5.1	+0.3	9.3	0	1	27	01	4	3	5	3	5	4	2	2	1
	1130	85	1004.0	994.4	..	30.7	26.5	24.7	31.1	71	..	5.3	..	10.0	0	1	26	02	6	2	3	1	2	7	2	3	2
	1730	85	1000.7	991.2	-1.0	29.[illegible]	24.3	24.8	31.3	75	+ 1	4.3	-0.7	8.5	0	2	22	02	3	3	0	1	1	9	1	6	4
	2330	85	1003.6	993.9	..	25.[illegible]	25.2	25.1	31.9	92	..	3.7	..	6.1	0	1	17	00	4	3	0	0	1	8	1	12	1
VARANASI	0830	76	1003.6	994.7	-1.5	28.[illegible]	25.6	24.6	30.4	83	+ 1	5.0	+0.4	1.8	0	0	21	01	3	1	3	0	9	3	1	9	0
	1730	76	1000.2	992.0	-0.8	30.[illegible]	26.2	24.3	30.4	70	- 4	5.0	-0.1	0.6	0	0	9	00	2	1	2	0	2	2	0	21	0
UTTAR PRADESH WEST																											
MUKHIM	0830		..	..	..	18.[illegible]	16.4	15.4	17.5	84	+ 0	4.5	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	19.[illegible]	17.4	16.2	18.4	81	- 2	4.1	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TEHRI	0830	770	1015.6	930.7	..	23.[illegible]	21.6	20.5	24.1	83	+ 0	3.9	-0.3	0.7	0	0	9	03	4	0	0	1	0	1	0	21	0
	1130	770	1012.7	929.4	..	28.[illegible]	22.6	19.6	22.8	59	..	2.8	..	1.1	0	0	10	00	0	2	1	4	3	0	0	20	0
	1730	770	1009.4	926.4	..	23.[illegible]	22.5	19.3	22.4	57	- 3	3.6	-0.8	2.2	0	0	16	01	0	1	8	4	2	0	0	14	0
DEHRA DUN	0530	682	1003.6	928.4	..	22.[illegible]	20.9	20.4	24.0	90	..	4.7	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	0830	682	1004.4	929.7	-0.[illegible]	23.[illegible]	21.9	20.8	24.6	82	+ 2	4.4	+0.5	0.1	0	0	1	00	0	0	1	0	0	0	0	29	0
	1130	682	1004.1	930.1	..	27.9	23.2	21.3	25.3	71	..	4.7	..	0.3	0	0	5	00	0	0	2	1	1	1	0	25	0
	1730	682	1001.2	927.4	-0.4	27.[illegible]	23.8	21.9	26.3	75	+ 2	4.8	+0.6	0.3	0	0	4	01	0	0	0	0	2	1	0	26	0
	2330	682	1004.1	929.1	..	[illegible]	21.9	21.0	24.9	87	..	4.3	..	0.3	0	0	4	01	2	0	0	0	0	1	0	26	0
MANSIARI	0830		..	..	..	[illegible]	14.6	13.2	15.1	79	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	17.[illegible]	15.7	14.6	16.6	82	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ROORKEE	0830	274	1004.4	973.8	-0.4	26.7	24.1	22.7	27.6	79	- 1	3.1	-0.5	0.2	0	0	4	00	0	0	3	0	0	0	1	26	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - SEPTEMBER, 1967 (BHADRA 10 - ASVINA 8, 1889 SAKA)

Sub-division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure: At station level	Mean pressure: Departure from normal	Mean temperature in °C: Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Departure from normal	Mean wind speed Km. per hour	Wind speed (Km. p. h.): 62 or more	20 to 61	1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST (CONTD.)																											
ROORKEE	1730	274	1001.2	971.1	+0.0	30.0	25.1	22.6	27.4	66	+2	3.0	-0.4	0.5	0	0	8	00	0	0	5	0	0	0	3	22	0
NAJIBABAD	0830	270	1004.9	974.8	+0.2	26.3	24.3	23.4	28.8	84	+3	4.0	+1.1	2.9	0	0	23	00	1	17	1	0	0	3	1	7	0
	1730	270	1000.5	971.9	-0.4	30.0	25.6	23.5	29.0	69	+2	4.0	+1.4	1.9	0	0	19	04	0	3	0	0	0	10	2	11	0
MEERUT	0830	222	1004.5	979.6	-0.6	27.2	24.4	23.0	28.1	79	+3	1.2	-1.1	1.5	0	0	11	00	1	9	1	0	0	0	0	19	0
BAREILLY	0830	173	1004.2	984.8	-0.5	27.0	25.3	24.6	30.9	87	+8	3.7	-0.2	4.3	0	0	25	02	4	7	1	0	0	6	5	5	0
	1730	173	1000.7	981.5	-0.5	29.6	26.2	24.6	30.9	76	+8	3.6	-0.4	3.4	0	0	28	02	0	2	0	4	3	12	0	2	0
BAREILLY P.B.O.	0230	172	1002.6	983.2	..	26.2	24.6	24.0	29.8	88	..	3.3	..	2.0	0	0	13	00	1	9	2	0	2	5	0	17	0
	0530	172	1002.9	983.5	..	25.8	24.5	23.9	29.7	89	..	4.0	..	3.5	0	1	17	00	5	4	1	0	1	4	3	12	0
	1130	172	1004.3	985.5	..	29.7	25.4	23.8	29.4	72	..	4.3	..	5.9	0	1	28	01	4	5	5	1	1	6	6	1	0
	1430	172	1001.6	982.8	..	30.8	25.3	23.1	28.3	66	..	4.7	..	5.8	0	1	26	03	1	3	3	1	4	6	6	3	0
	2030	172	1002.7	983.4	..	27.8	25.2	24.2	30.2	82	..	3.2	..	1.4	0	0	10	01	1	2	0	2	1	3	0	20	0
	2330	172	1003.4	984.0	..	26.8	24.9	24.5	30.7	86	..	3.4	..	2.3	0	0	15	00	1	3	1	0	5	4	0	15	1
ALIGARH	0830	187	1004.9	983.5	-0.6	27.0	24.5	23.1	28.3	80	+6	3.7	+0.5	5.6	0	0	28	02	2	5	1	1	1	10	6	2	0
	1730	187	1001.6	980.4	-0.5	30.2	25.2	22.7	27.6	67	+6	4.1	+0.6	4.3	0	0	28	03	1	4	0	3	0	12	5	2	0
MAINPURI	0830	157	1004.4	986.9	-0.1	27.5	25.1	23.9	29.6	82	+2	3.7	+0.0	2.4	0	0	24	00	0	5	1	0	0	18	0	6	0
	1730	157	1000.8	983.5	-0.3	29.6	25.7	23.8	29.5	71	+2	3.4	-0.5	2.0	0	0	20	00	0	4	0	0	0	16	0	10	0
AGRA	0830	169	1004.2	985.6	-0.4	27.6	24.1	22.4	27.1	74	-3	2.9	-0.3	0.7	0	0	3	00	1	0	0	0	1	0	1	27	0
	1730	169	1001.3	982.6	-0.3	30.4	25.0	22.3	26.9	65	+3	3.5	+0.1	2.5	0	0	10	00	2	0	1	0	2	0	5	20	0
AGRA AERODROME	0230	169	1003.0	983.9	..	25.5	24.2	23.4	28.8	89	..	3.2	..	4.9	0	1	13	01	1	2	1	1	0	7	1	16	0
	0530	169	1003.0	984.0	..	24.2	23.6	23.0	28.1	90	..	3.6	..	6.2	0	2	15	00	1	1	1	1	2	8	3	13	0
	0830	169	1004.5	985.6	..	27.2	25.1	23.7	29.3	82	..	4.0	..	10.2	0	0	29	03	4	1	2	1	1	8	9	1	0
	1130	169	1004.5	985.8	..	30.4	25.3	22.9	27.9	66	..	4.1	..	11.4	0	1	27	07	2	3	1	2	0	4	9	2	0
	1730	169	1001.4	982.7	..	30.9	25.2	22.8	27.5	67	..	3.7	..	9.9	0	2	26	06	6	1	2	0	1	4	8	2	0
	2330	169	1003.6	984.6	..	26.3	24.4	23.5	28.9	85	..	3.1	..	5.1	0	1	15	01	1	1	1	2	2	7	1	14	0
ORAI	0830	141	1004.4	988.7	-0.8	29.3	25.6	24.0	28.8	72	-5	3.7	+0.2	2.8	0	0	29	04	10	0	1	1	0	0	13	1	0
	1730	141	1000.7	985.1	-0.9	30.3	25.8	23.8	29.5	70	+2	3.6	-0.1	2.6	0	0	30	09	8	1	1	1	0	1	9	0	0
JHANSI	0830	251	1004.7	976.7	-0.3	26.3	23.6	22.5	27.2	78	+0	3.6	-0.1	1.9	0	0	18	02	0	4	0	1	0	11	0	12	0
	1730	251	1000.8	973.4	-0.6	31.5	24.7	21.0	24.9	58	-7	3.7	-0.8	2.1	0	0	25	06	0	4	0	0	0	15	0	5	0
HARYANA(INCLUDING DELHI AND																											
CHANDIGARH	0830	347	1002.9	964.0	-1.7	26.0	23.3	21.9	26.3	79	+6	2.2	-0.5	0.6	0	0	5	00	2	2	0	0	0	0	1	25	0
	1730	347	1000.4	962.1	-1.1	30.8	24.5	21.3	25.3	59	-5	2.5	+0.2	0.5	0	0	4	00	0	0	0	0	2	0	2	26	0
AMBALA	0830	272	1003.8	973.6	-0.6	26.1	24.2	23.2	28.4	81	+1	1.9	+0.7	1.7	0	0	22	00	3	0	11	0	1	0	7	8	0
	1730	272	1000.2	970.4	-0.7	31.0	25.7	23.0	28.1	64	+6	1.6	-0.8	3.1	0	0	21	00	2	0	11	0	3	0	5	9	0
AMBALA P.B.O.	0230	278	1002.4	971.5	..	26.4	24.4	23.5	28.9	85	..	2.8	..	2.7	0	0	11	00	0	1	4	0	0	2	4	19	0
	0530	278	1002.6	971.5	..	25.3	23.6	22.6	27.4	87	..	3.3	..	2.7	0	0	10	00	1	0	3	0	2	0	4	20	0
	1130	278	1003.9	973.2	..	30.1	25.3	23.6	29.1	69	..	3.6	..	4.3	0	0	16	00	0	1	7	0	1	3	4	14	0
	1430	278	1001.5	971.1	..	31.7	25.6	23.2	28.4	62	..	3.6	..	5.8	0	0	24	01	0	0	7	0	3	2	11	6	0
	2030	278	1001.9	971.2	..	28.9	25.2	23.9	29.7	75	..	2.6	..	3.1	0	0	14	00	0	0	5	0	2	2	5	16	0
	2330	278	1002.6	971.7	..	27.7	24.6	23.4	28.8	78	..	2.6	..	3.5	0	0	14	00	0	1	3	0	1	3	6	16	0
AMBALA AERODROME	0530	274	1002.7	971.8	..	23.2	22.6	22.1	26.6	94	..	3.0	..	2.5	0	0	8	00	0	3	2	0	1	1	1	22	0
	0830	274	1003.8	973.2	..	26.3	24.2	23.2	28.4	83	..	3.2	..	6.2	0	0	19	02	0	3	7	0	0	2	5	11	0
	1130	274	1003.6	973.4	..	30.7	25.9	23.8	29.5	68	..	3.7	..	10.1	0	0	25	00	0	4	7	1	2	7	4	5	0
	1730	274	1000.6	970.5	..	29.9	25.3	23.2	28.4	69	..	3.0	..	8.3	0	0	24	00	0	0	4	0	3	6	11	6	0
	2330	274	1002.8	972.2	..	26.0	24.1	23.2	28.4	84	..	2.9	..	3.0	0	0	9	00	0	1	4	0	0	3	2	21	0
KARNAL	0830	249	1004.5	976.7	+0.1	27.2	24.4	22.9	27.9	77	-2	2.2	-0.8	3.5	0	0	27	02	2	3	5	1	2	5	7	3	0
	1730	249	1000.8	973.4	-0.6	31.3	25.2	[illegible]	26.7	60	-1	1.5	-1.6	3.9	0	0	27	01	3	2	5	1	2	4	9	3	0
HISSAR	0530	221	1003.1	978.1	..	24.2	[illegible]	21.8	26.1	86	..	2.7	..	3.8	0	0	24	00	0	2	3	2	15	1	1	6	0
	0830	221	1004.7	979.8	-0.2	26.1	23.8	22.7	27.6	82	+10	2.9	+1.1	3.3	0	0	25	01	2	2	0	2	14	2	2	5	0
	1130	221	1004.4	980.1	..	31.6	26.0	23.5	29.0	63	..	3.5	..	7.5	0	1	27	02	0	5	2	0	3	10	5	2	1
	1430	221	1002.1	977.9	..	32.4	26.1	22.9	27.9	56	..	3.3	..	8.7	0	1	29	05	2	7	1	1	5	4	5	0	0
	1730	221	1001.2	977.0	-0.3	32.5	26.0	23.0	28.1	59	+6	2.3	+0.1	3.5	0	0	28	05	1	4	2	5	4	4	3	2	0
	2330	221	1003.4	978.6	..	26.6	23.7	22.1	26.6	77	..	1.6	..	3.3	0	0	24	00	2	4	4	3	5	4	2	6	0
NEW DELHI/SAFDARJUNG	0230	216	1003.0	978.7	..	25.5	23.8	22.9	27.9	87	..	2.9	..	4.4	0	0	15	01	0	2	1	0	5	5	1	15	0
	0530	216	1003.1	978.8	..	24.7	23.3	22.6	27.4	88	..	3.7	..	6.1	0	1	17	00	2	1	1	0	4	8	2	12	0
	0830	216	1004.5	980.3	+0.0	26.6	24.1	22.8	27.7	80	+10	3.8	+0.7	10.1	0	3	24	01	2	2	2	1	3	13	3	3	0
	1130	216	1004.5	980.5	..	29.9	25.1	22.7	27.6	67	..	4.0	..	12.2	0	7	19	01	2	4	1	0	0	12	6	4	0
	1430	216	1002.2	978.4	..	31.7	25.6	22.9	27.9	61	..	4.0	..	15.4	0	8	22	02	1	5	1	0	3	9	9	0	0
	1730	216	1001.3	977.4	+0.1	31.1	25.3	22.6	27.4	63	+9	3.3	+0.2	8.6	0	1	27	01	3	3	2	1	2	7	9	2	0
	2030	216	1002.7	978.6	..	27.6	24.7	23.4	28.8	79	..	2.9	..	4.6	0	0	17	00	1	2	3	0	5	6	2	13	0
	2330	216	1003.5	979.3	..	26.5	24.4	23.3	28.6	83	..	2.8	..	4.6	0	0	14	00	1	3	1	0	6	2	1	16	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - SEPTEMBER 1967 (BHADRA 10 - ASVINA 8, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	28 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HARYANA (INCLUDING DELHI AND																											
PALAM AERODROME	0230	233	1003.3	977.0	..	24.3	23.1	22.6	27.4	90	..	2.6	..	7.0	0	0	17	00	0	2	3	2	5	3	2	12	0
	0530	233	1003.3	977.0	..	23.6	22.6	22.1	26.6	91	..	3.2	..	7.8	0	0	21	00	0	3	3	0	5	6	4	0	0
	0830	233	1004.8	978.7	..	26.1	24.0	22.9	27.9	83	..	3.7	..	10.1	0	0	24	00	0	3	1	1	2	11	6	6	0
	1130	233	1004.8	979.0	..	29.5	24.7	22.4	27.1	67	..	3.9	..	14.3	0	0	28	02	0	4	3	1	1	11	6	2	0
	1430	233	1002.4	976.8	..	31.3	24.8	21.5	25.6	60	..	3.7	..	16.1	0	0	30	02	1	4	4	0	0	7	12	0	0
	1730	233	1001.2	975.6	..	30.7	24.9	21.9	26.3	62	..	3.0	..	11.9	0	0	29	03	2	5	1	0	2	7	8	1	0
	2030	233	1002.9	976.8	..	26.4	24.0	22.7	27.6	81	..	2.4	..	5.6	0	0	16	00	0	2	3	1	4	4	2	14	0
	2330	233	1003.8	977.6	..	25.0	23.5	22.8	27.7	88	..	2.3	..	7.0	0	0	19	00	0	2	3	1	7	5	3	11	0
PUNJAB																											
PATHANKOT	0530	312	1002.9	967.9	..	23.6	22.1	21.1	25.0	87	..	3.6	..	3.9	0	0	13	01	4	2	3	1	0	1	1	17	0
	0830	312	1004.2	969.4	-0.7	26.1	23.2	21.4	25.5	75	+ 1	3.7	+0.2	3.5	0	0	11	00	5	3	1	1	0	1	0	10	0
	1130	312	1004.2	969.8	..	28.2	24.5	22.0	26.4	66	..	3.5	..	6.0	0	2	16	01	1	3	3	3	3	3	1	12	0
	1730	312	1000.9	966.7	-1.6	31.2	25.6	22.6	27.4	61	- 2	3.1	+0.0	4.7	0	0	20	01	1	3	1	2	5	6	1	10	0
	2330	312	1003.1	968.6	..	25.0	23.1	22.3	26.9	85	..	2.2	..	2.7	0	0	7	00	1	4	0	1	0	1	0	23	0
AMRITSAR	0530	234	1002.9	976.5	..	24.4	23.1	22.5	27.2	89	..	2.7	..	5.9	0	0	16	01	4	4	3	2	0	2	2	12	0
	0830	234	1004.3	977.8	-0.7	26.9	24.0	22.7	27.6	78	+ 2	2.4	+0.5	2.7	0	1	23	01	0	5	8	2	1	3	4	6	0
	1130	234	1004.2	978.4	..	31.2	25.0	22.0	26.4	59	..	2.6	..	11.1	0	2	24	01	4	2	5	4	2	3	5	4	0
	1430	234	1002.0	976.4	..	32.9	25.3	21.5	25.6	53	..	3.0	..	11.5	0	6	21	01	3	5	4	3	2	2	7	3	0
	1730	234	1000.8	975.2	-0.8	32.3	25.2	21.8	26.1	55	+ 2	2.2	-0.1	7.7	0	1	22	02	2	5	1	2	1	5	5	7	0
	2030	234	1002.1	976.1	..	27.9	25.0	23.7	29.3	79	..	1.8	..	7.5	0	1	21	01	4	5	4	1	0	5	8	8	0
ADAMPUR AERODROME	0830	249	1004.1	976.3	..	26.8	23.9	22.3	26.9	77	..	3.1	..	6.2	0	0	21	02	0	4	7	5	0	1	2	9	0
	1730	249	1001.3	974.0	..	30.7	25.3	22.7	27.6	63	..	2.7	..	7.6	0	0	28	06	1	1	3	1	3	8	11	7	0
LUDHIANA	0830	247	1004.2	976.7	-0.7	27.1	24.2	22.9	27.9	78	+ 4	2.2	-0.7	2.5	0	0	18	02	2	1	4	2	2	0	5	12	0
	1730	247	1000.8	973.8	-0.6	32.3	25.6	22.4	27.1	57	+ 4	2.5	+0.2	4.3	0	0	23	00	3	0	2	3	3	0	12	7	0
FEROZEPUR	0830	200	1005.0	982.6	+0.7	27.5	23.9	22.0	26.4	73	+ 0	1.6	-0.1	2.3	0	0	22	06	0	2	3	3	2	1	5	8	0
	1730	200	1002.0	980.1	+0.9	33.1	25.3	21.6	25.8	52	- 4	2.0	+0.2	2.0	0	0	20	07	2	1	2	2	0	0	6	10	0
HALWARA AERODROME	0530	242	1003.0	975.7	..	23.1	22.3	22.1	26.1	94	..	2.6	..	4.0	0	0	16	02	0	0	7	5	0	0	2	14	0
	0830	242	1004.1	976.8	..	26.9	24.4	23.3	28.6	81	..	2.4	..	6.4	0	0	17	04	0	0	6	2	2	1	2	13	0
	1130	242	1004.1	977.5	..	31.9	25.3	22.1	26.6	57	..	3.2	..	12.0	0	3	23	05	0	1	6	3	2	3	4	4	0
	1730	242	1000.9	974.5	..	31.8	25.5	22.6	27.4	55	[illegible]	2.5	..	8.6	0	1	24	07	1	0	4	2	1	1	8	5	0
	2330	242	1003.2	976.1	..	24.0	23.3	22.7	27.6	89	..	2.0	..	3.3	0	1	8	01	0	0	4	2	0	0	2	21	0
PATIALA	0830	251	1004.6	976.5	+0.0	26.4	23.9	22.7	27.6	81	+ 5	2.2	-0.9	4.1	0	0	13	04	0	1	7	0	0	0	1	17	0
	1730	251	1001.1	973.6	-0.3	31.2	25.1	22.0	26.4	60	+ 2	2.5	-0.7	1.9	0	0	6	02	0	0	2	0	0	0	2	24	0
BHATINDA	0830	211	1004.0	980.4	..	28.5	24.3	22.4	27.1	71	- 5	1.0	-0.3	2.7	0	0	24	01	1	0	8	0	8	0	6	6	0
	1730	211	1000.6	977.5	..	33.1	25.5	21.9	26.3	53	- 9	1.0	-1.3	3.8	0	0	28	00	2	0	5	0	4	0	17	2	0
HIMACHAL PRADESH																											
MANDI	0830	761	1005.3	921.7	-0.1	22.7	20.5	19.7	22.9	80	- 6	3.2	-0.9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	761	1001.3	919.3	+0.5	26.7	23.1	21.1	25.0	71	- 2	4.3	-0.6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BILASPUR	0830	587	1004.5	940.1	-0.6	23.0	22.3	21.9	26.3	94	+ 7	3.5	-1.0	1.2	0	0	15	00	3	4	2	1	2	1	2	15	0
	1730	587	1001.4	937.9	+0.1	28.9	24.2	22.1	26.6	69	+ 3	2.3	-2.0	3.8	0	0	28	01	1	0	4	2	1	4	0	7	0
JAMMU AND KASHMIR																											
MISGAR	0830		(R)																								
	1730		(R)																								
GILGIT	0830		(R)																								
	1730		(R)																								
SKARDU	0830		(R)																								
	1730		(R)																								
LEH	0530	3514	(R)																								
	0830	3514	(R)																								
	1730	3514	(R)																								
SRINAGAR	0230	1587	1460.5	837.7	+4.0	15.3	13.4	12.1	14.1	82	+50	1.9	-0.9	1.9	0	0	20	00	0	0	12	0	0	0	8	10	0
	0530	1587	1460.3	837.8	..	14.5	13.1	12.2	14.2	85	..	2.0	..	2.6	0	0	24	00	0	0	12	0	2	0	10	6	0
	0830	1587	1474.9	839.0	-0.[illegible]	16.0	14.0	12.6	14.6	80	+ 3	2.5	+0.0	2.4	0	0	24	00	1	0	17	0	0	0	6	6	0
	1130	1587	1468.3	838.8	..	24.2	17.1	12.8	14.7	51	..	2.5	..	2.0	0	0	24	03	0	0	8	0	1	2	10	5	0
	1430	1587	1445.6	836.7	..	27.3	18.4	13.3	15.2	42	..	2.5	..	2.7	0	0	28	02	1	0	3	2	6	3	13	2	0
	1730	1587	1434.9	835.6	-1.0	24.8	17.0	12.3	14.3	47	+ 0	2.3	-0.6	1.9	0	0	21	01	1	0	5	0	2	2	10	9	0
	2030	1587	1449.0	836.7	..	19.8	16.1	14.0	16.0	70	..	1.6	..	1.7	0	0	19	00	3	0	7	1	1	0	7	11	0
	2330	1587	1460.0	837.7	..	17.2	14.6	13.0	14.9	77	..	1.7	..	1.3	0	0	16	00	1	0	9	0	1	0	5	13	0
SRINAGAR AERODROME	0530	1666	1463.6	830.2	..	14.5	11.8	9.5	11.9	75	..	2.5	.	2.8	0	0	12	00	1	0	0	3	3	1	4	18	0
	0830	1666	1471.2	831.4	..	18.2	14.3	11.6	13.7	67	..	2.5	..	0.7	0	0	3	00	0	1	0	0	0	1	1	27	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - -SEPTEMBER.1967BHADRA 10 - ASVINA 8.1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD.)																											
SRINAGAR AERODROME.(CONTD.)	1130	1666	1469.0	831.4	..	23.4	16.6	12.5	14.5	52	..	2.4	..	4.9	0	0	17	04	4	2	2	1	1	2	1	13	0
	1730	1666	1433.4	828.4	..	25.9	16.3	9.8	12.1	39	..	2.7	..	5.8	0	0	18	06	0	5	0	1	3	1	4	12	0
	2330	1666	1460.1	830.2	..	17.1	13.0	9.8	12.0	64	..	1.7	..	3.6	0	0	12	01	1	2	0	1	2	2	3	18	0
GULMARG	0830		3109.9	739.2	-0.4	13.5	10.3	7.5	10.4	68	-11	2.4	+0.1	0.9	0	0	9	01	2	0	4	0	0	0	2	21	0
	1730		3098.8	737.8	..	16.6	11.9	8.1	10.8	60	..	2.9	..	2.3	0	0	17	00	5	2	2	0	5	1	2	13	0
QAZIGUND	0830	1690	..	..	..	17.3	14.1	12.1	14.1	72	..	2.7	..	0.1	0	0	2	00	0	0	0	2	0	0	0	28	0
	1730	1690	..	..	..	23.2	16.7	12.6	15.6	53	..	3.3	..	4.2	0	0	19	00	0	0	0	12	2	5	0	11	0
BANIHAL	0830	1630	..	..	..	16.2	14.9	14.0	16.0	87	..	2.6	..	0.1	0	0	1	00	0	0	0	1	0	0	0	29	0
	1730	1630	..	..	..	22.6	17.4	14.5	16.5	60	..	2.9	..	0.7	0	0	6	00	0	0	0	6	0	0	0	24	0
JAMMU	0830	366	1002.6	961.7	..	25.7	23.0	21.7	25.9	80	+ 9	3.3	+0.8	3.8	0	0	28	00	27	0	0	0	0	0	1	2	0
	1730	366	999.5	959.6	..	31.3	25.5	23.3	28.6	65	..	3.4	..	1.7	0	0	16	00	15	0	0	0	0	0	1	14	0
JAMMU AERODROME	0530	292	1003.2	970.3	..	23.7	21.8	20.7	24.4	83	..	3.6	..	5.6	0	0	16	01	10	2	2	0	0	0	1	14	0
	0830	292	1004.6	970.2	..	25.7	22.9	21.2	25.2	77	..	3.6	..	5.3	0	0	19	02	8	7	0	1	0	1	0	11	0
	1130	292	1004.3	971.9	..	30.0	24.0	20.9	24.7	60	..	3.0	..	7.8	0	0	24	02	6	1	2	9	2	2	0	6	0
	1730	292	1001.1	968.9	..	31.6	25.3	22.1	26.6	59	..	2.7	..	5.9	0	1	15	00	2	0	1	3	1	8	1	14	0
	2330	292	1003.0	970.5	..	25.8	23.6	21.3	25.3	76	..	2.5	..	7.2	0	2	13	00	12	1	0	0	0	2	0	15	0
GULMARG (RESEARCH INSTITUTE)	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
RAJASTHAN, WEST																											
GANGANAGAR	0530	177	1002.8	982.8	..	24.7	22.1	20.7	24.4	78	..	0.3	..	0.6	0	0	5	00	0	0	2	0	3	0	0	25	0
	0830	177	1004.1	984.2	-0.5	26.8	23.2	21.1	25.0	71	+ 4	1.1	+0.0	1.7	0	0	13	01	2	1	1	0	7	1	0	17	0
	1130	177	1003.9	984.4	..	32.7	24.9	21.1	25.0	51	..	1.3	..	2.9	0	0	24	00	2	1	6	0	9	4	2	6	0
	1730	177	1000.6	981.2	-0.4	34.4	25.3	20.9	24.7	48	+ 6	2.0	+0.4	1.9	0	0	20	02	1	2	3	1	7	3	1	10	0
	2330	177	1002.7	982.9	..	27.2	23.2	21.1	25.0	70	..	0.5	..	1.2	0	0	10	00	2	0		0	3	0	0	20	0
ANUPGARH	0830	154	(R)																								
	1730	154	(R)																								
MAHAJAN	0830	187	1002.3	981.4	..	27.8	24.1	22.2	26.7	72	..	0.7	..	4.7	0	0	29	03	0	4	2	5	14	3	0	0	0
	1730	187	998.5	978.1	..	34.1	24.4	19.0	22.0	45	..	1.1	..	4.9	0	0	26	02	3	2	1	1	15	1	1	0	0
CHURU	0830	291	1004.9	972.3	+0.1	26.1	23.1	22.6	27.4	82	+ 7	2.5	-0.2	10.1	0	2	27	02	1	3	0	2	3	17	1	1	0
	1730	291	1001.5	969.7	+0.5	31.8	26.4	23.8	29.5	66	+13	2.9	-0.5	8.7	0	1	27	06	0	4	0	3	4	7	4	2	0
BIKANER	0830	224	1004.6	979.5	-0.1	27.6	23.5	21.3	25.3	70	+ 1	2.1	+1.1	5.4	0	0	23	00	2	0	1	2	13	5	0	7	0
	1730	224	1000.9	976.5	-0.2	33.7	24.1	18.8	21.7	45	+ 1	3.0	+1.2	5.1	0	0	27	01	4	2	1	3	11	2	3	3	0
BIKANER P.B.O.	0530	224	1003.1	977.9	..	25.6	22.8	20.9	24.7	77	..	1.6	..	4.4	0	0	23	00	2	0	1	2	13	5	0	7	0
	1130	224	1004.2	979.7	..	32.6	25.2	21.8	26.1	53	..	2.2	..	6.0	0	0	30	02	4	0	2	2	8	10	2	0	0
	1430	224	1001.6	976.6	..	35.3	25.5	20.6	24.3	43	..	2.5	..	5.6	0	0	27	00	5	0	1	6	7	7	1	3	0
	2030	224	1002.5	977.6	..	29.6	23.7	20.3	23.8	59	..	1.8	..	4.0	0	0	24	01	3	1	1	10	6	1	1	6	0
	2330	224	1003.3	978.3	..	28.0	23.4	20.8	24.7	66	..	1.5	..	3.5	0	0	22	00	3	0	1	5	13	0	0	8	0
NAGAUR	0830	298	1005.0	971.8	+0.9	26.9	23.4	21.5	25.6	74	+ 2	3.4	+0.5	7.5	0	0	29	01	1	0	2	4	11	6	2	1	0
	1730	298	1000.5	967.9	+0.0	31.3	25.0	22.0	26.4	60	+ 5	3.2	-0.6	8.3	0	0	30	01	1	1	1	8	12	4	2	0	0
PHALODI	0830	234	1004.8	978.6	-0.7	26.5	23.6	22.6	27.4	77	+ 0	2.0	+0.0	11.7	0	7	23	02	2	1	0	8	11	5	1	0	0
	1730	234	1001.9	976.6	-0.1	34.6	25.8	21.6	25.8	49	- 1	2.2	-0.4	14.9	0	7	23	02	1	1	0	8	12	5	1	0	0
JAISALMER	0830	242	1004.3	977.2	-0.2	25.5	23.5	22.5	27.3	84	+ 9	1.1	-0.4	14.4	0	6	24	00	0	0	0	15	15	0	0	0	0
	1730	242	1000.4	974.3	-0.1	35.5	25.9	21.0	25.0	45	- 4	1.7	-0.4	14.1	0	3	27	01	1	0	0	12	12	2	2	0	0
JODHPUR	0230	224	1004.0	978.7	..	25.1	22.6	21.2	25.2	80	..	2.3	..	8.7	0	0	28	01	1	0	1	0	13	12	0	2	0
	0530	224	1004.2	978.8	..	24.2	22.3	21.2	25.2	84	..	2.7	..	7.7	0	0	28	01	2	1	0	0	16	8	0	2	0
	0830	224	1005.9	980.7	+0.1	25.7	23.2	22.0	26.4	81	+ 7	3.8	+0.6	10.6	0	2	26	01	1	0	0	1	13	11	1	2	0
	1130	224	1005.8	980.7	..	30.5	24.7	21.7	25.9	62	..	3.8	..	14.6	0	1	28	00	1	0	0	0	15	9	3	1	1
	1430	224	1003.4	978.8	..	33.1	24.9	20.7	24.4	52	..	3.9	..	10.4	0	5	25	00	1	1	0	0	17	7	3	0	1
	1730	224	1002.0	977.7	+0.3	32.4	24.6	20.6	24.3	53	+ 5	3.1	-0.6	13.2	0	3	27	00	1	0	2	0	19	7	1	0	0
	2030	224	1004.0	979.0	..	28.2	23.9	21.6	25.8	69	..	2.4	..	8.1	0	0	30	00	1	1	1	3	19	5	0	0	0
	2330	224	1004.9	979.8	..	26.3	23.5	21.7	25.9	76	..	2.6	..	8.9	0	1	28	00	0	1	0	1	19	7	1	1	0
BARMER	0530	194	1003.4	981.5	..	25.6	22.9	21.5	25.6	79	..	1.8	..	7.8	0	1	24	00	0	0	0	0	9	15	1	5	0
	0830	194	1004.9	983.1	-0.5	26.8	23.6	22.1	26.6	76	+ 1	3.2	+0.5	5.5	0	0	29	00	0	0	0	2	14	10	3	1	0
	1130	194	1004.9	983.6	..	31.9	25.5	22.5	27.3	59	..	3.0	..	5.2	0	0	25	00	0	0	0	3	13	7	2	5	0
	1730	194	1001.6	980.3	-0.2	33.9	26.0	22.[illegible]	27.1	53	+ 6	3.0	+0.1	5.9	0	0	27	00	0	1	0	3	18	5	0	3	0
	2330	194	1004.2	982.6	..	28.9	24.3	22.1	26.6	68	..	1.8	..	6.4	0	1	24	00	0	1	0	2	18	4	0	5	0
ERINPURA (JAWAI DAM)	0830	295	1006.5	973.4	+1.0	25.8	23.5	22.1	26.6	81	+ 0	3.9	-0.7	2.5	0	0	24	00	0	0	6	6	9	2	0	6	1
	1730	295	1001.7	969.3	+0.0	29.6	24.9	22.9	27.9	68	+ 3	3.7	-1.5	1.3	0	0	12	00	0	0	0	3	4	3	1	18	1

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - SEPTEMBER, 1967 BHADRA 10 - ASVINA 8, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN, EAST (CONTD.)																											
PILANI	0830	301	1005.1	971.8	+0.8	25.6	23.2	21.9	26.3	81	+ 7	2.8	+0.9	13.2	0	7	23	01	1	3	1	1	10	11	2	0	0
	1730	301	1002.1	969.2	+1.0	31.3	24.9	21.5	25.6	60	+ 0	3.0	+0.7	10.0	0	2	28	00	2	4	2	1	6	9	6	0	0
SIKAR	0830	433	1004.7	956.6	+0.7	24.6	21.9	20.2	23.7	77	+ 0	1.8	-1.1	0.8	0	0	12	00	0	1	0	0	1	10	0	18	0
	1730	433	1000.9	953.9	-0.3	31.2	23.1	18.0	20.6	51	-13	2.0	-1.7	1.5	0	0	22	01	0	0	1	0	0	13	7	8	0
ALWAR	0830	271	1003.9	973.5	-1.1	26.4	23.4	21.9	26.3	77	+ 2	3.9	+0.4	1.7	0	0	12	03	1	0	1	1	0	5	1	18	0
	1730	271	1000.7	970.9	-0.5	30.4	24.7	22.1	26.6	63	+ 1	3.3	-0.8	1.4	0	0	15	03	1	1	1	0	2	3	4	15	0
JAIPUR (SANGANER)	0230	390	1003.3	959.7	..	2[illegible].6	22.2	21.4	25.5	88	..	3.3	..	3.5	0	0	18	04	1	0	1	0	1	2	9	12	0
	0530	390	1003.5	959.8	..	22.8	21.6	20.4	24.0	89	..	3.4	..	4.9	0	0	24	05	2	0	1	1	1	2	12	6	0
	0830	390	1004.7	961.3	-0.8	25.8	23.1	21.7	25.9	79	+ 5	3.6	+0.6	7.0	0	1	29	02	2	6	2	0	0	7	11	0	0
	1130	390	1004.2	961.4	..	29.4	24.1	21.3	25.3	66	..	4.0	..	11.7	0	4	24	01	1	1	1	1	1	7	15	2	0
	1430	390	1001.8	959.3	..	31.1	24.5	20.8	24.6	60	..	4.5	..	12.3	0	5	24	02	1	2	2	1	1	8	12	1	0
	1730	390	1001.2	958.5	-0.7	29.5	24.3	21.3	25.3	65	+ 8	3.9	+0.0	7.9	0	1	29	02	2	6	2	0	0	7	11	0	0
	2030	390	1003.3	960.0	..	25.9	23.4	22.3	26.9	77	..	3.7	..	3.6	0	0	19	01	1	0	4	0	0	7	6	11	0
	2330	390	1004.1	960.5	..	24.5	22.6	21.4	25.5	81	..	3.2	..	3.7	0	0	17	00	1	1	2	0	1	5	7	13	0
DHOLPUR	0830	176	1003.6	983.9	+0.2	26.7	24.6	23.2	28.4	78	- 3	3.2	-0.8	1.3	0	0	11	01	2	0	0	0	0	7	1	19	0
	1730	176	1000.6	980.8	+0.3	30.6	25.4	23.0	28.1	66	- 1	2.2	-2.1	0.7	0	0	6	00	1	0	1	0	0	3	1	24	0
AJMER	0830	486	1005.0	951.4	-0.5	25.2	22.7	20.4	24.0	76	+ 6	4.0	+0.7	11.9	0	4	22	00	1	1	1	1	11	11	0	4	0
	1730	486	1001.5	948.8	-0.3	29.9	23.3	19.9	23.2	59	+ 6	3.2	-0.2	9.1	0	0	29	04	2	0	0	0	4	15	4	1	0
TONK	0830	272	1004.2	973.6	+0.4	26.1	23.3	21.7	25.9	77	- 8	3.4	-0.2	7.4	0	0	30	02	0	0	1	1	2	22	2	0	0
	1730	272	1000.0	970.5	+0.2	30.3	24.6	21.7	25.9	63	- 4	3.4	-0.7	5.0	0	0	29	01	2	2	0	0	1	17	6	1	0
BHILWARA	0830	425	1005.4	958.2	..	25.5	22.6	21.0	24.9	77	..	4.3	..	5.9	0	1	20	00	0	0	0	0	5	4	12	9	0
	1730	425	1001.9	955.6	..	30.2	23.3	19.3	22.4	56	..	5.4	..	4.1	0	0	16	00	0	0	0	0	9	0	7	14	0
KOTA	0830	257	1004.9	976.2	-0.6	27.3	23.9	22.1	26.6	75	+ 2	3.9	+0.3	10.1	0	5	22	00	0	0	0	1	2	12	12	3	0
	1730	257	1001.8	973.5	-0.2	30.2	24.9	22.0	26.4	65	+ 7	4.5	+0.1	3.0	0	0	24	03	2	1	0	1	3	3	11	6	0
KOTA AERODROME	0530	274	1003.5	972.7	..	24.7	22.7	21.6	25.8	85	..	3.5	..	8.6	0	2	23	00	0	0	0	0	6	16	3	5	0
	0830	274	1005.2	974.6	..	26.9	23.1	20.9	24.7	72	..	4.1	..	10.9	0	2	28	00	0	0	0	0	5	20	5	0	0
	1130	274	1002.2	972.1	..	30.[illegible]	24.1	21.0	24.9	58	..	4.4	..	12.1	0	2	26	03	0	0	0	0	4	14	7	2	0
	1730	274	1001.9	971.7	..	30.5	23.6	19.5	22.7	58	..	4.6	..	9.0	0	1	28	05	2	1	0	0	5	7	9	1	0
	2330	274	1004.7	974.0	..	26.0	23.3	21.6	25.8	78	..	3.8	..	8.3	0	2	26	00	0	0	0	5	5	16	2	2	0
CHAMBAL (RAWAT BHATTA DAM)	0830	351	1004.2	965.1	-0.9	25.1	23.1	22.2	26.7	84	+ 3	3.1	-1.4	2.5	0	1	13	01	0	0	0	0	6	2	5	16	0
	1730	351	1000.4	962.0	-1.0	29.8	25.4	23.4	28.8	71	+[illegible]	4.0	-0.9	4.7	0	2	25	01	1	0	0	1	16	1	7	3	0
UDAIPUR	0230	582	1005.3	940.7	..	22.[illegible]	21.3	20.1	23.5	86	..	2.8	..	1.4	0	0	7	00	0	0	0	2	2	2	1	23	0
	0530	582	1005.0	940.4	..	24.[illegible]	20.6	19.9	23.2	88	..	2.5	..	0.6	0	0	3	00	0	0	0	0	3	0	0	27	0
	0830	582	1006.0	941.8	-0.1	24.5	21.8	20.4	24.0	79	+ 3	3.8	-0.1	2.6	0	0	17	00	0	0	0	2	9	4	2	13	0
	1130	582	1005.7	942.4	..	2[illegible].4	23.0	20.4	24.0	64	..	4.3	..	3.5	0	0	26	02	1	1	2	2	9	5	4	4	0
	1730	582	1003.0	940.0	+0.5	2[illegible].7	23.1	20.3	23.8	62	- 3	4.3	-0.9	5.7	0	0	28	01	2	0	3	1	9	7	5	2	0
	2330	582	1006.1	941.7	..	23.6	21.4	20.4	24.0	82	..	2.6	..	1.1	0	0	7	00	0	0	0	2	2	3	0	23	0
JHALAWAR	0830	321	(R)																								
	1730	321	(R)																								
BANSWARA	0830	220	1007.4	982.6	..	24.5	23.1	22.3	26.9	88	..	3.8	..	7.1	0	0	29	01	0	2	2	12	9	2	1	1	0
	1730	220	1003.6	979.2	..	26.[illegible]	24.9	22.1	26.6	65	..	3.2	..	7.0	0	0	30	05	0	0	0	7	9	9	0	0	0
MADHYA PRADESH, WEST																											
GWALIOR	0230	207	1002.9	979.6	..	24.4	23.2	22.2	27.4	88	..	4.0	..	3.9	0	1	17	03	0	1	0	6	1	6	1	12	0
	0530	207	1003.0	979.7	..	23.9	22.5	21.7	26.1	88	..	4.3	..	3.9	0	0	19	01	1	1	1	3	2	7	3	11	0
	0830	207	1004.4	981.2	-0.5	25.9	24.0	22.5	27.6	78	+ 3	4.2	+0.2	6.0	0	0	28	03	1	0	1	1	1	12	7	4	0
	1130	207	1004.2	981.3	..	29.9	24.9	22.4	27.4	66	..	4.2	..	7.3	0	0	29	05	1	0	0	2	0	7	14	1	0
	1430	207	1002.0	979.1	..	30.[illegible]	24.8	21.9	26.9	65	..	4.7	..	8.6	0	1	28	06	2	1	0	1	1	5	13	1	0
	1730	207	1001.3	978.4	-0.4	2[illegible].5	24.9	22.6	27.7	69	+ 4	4.5	+0.0	6.5	0	1	28	08	1	1	0	2	0	6	11	1	0
	2030	207	1003.0	979.9	..	26.3	24.2	23.2	28.6	84	..	3.7	..	3.8	0	0	19	01	2	1	1	7	2	4	1	11	0
	2330	207	1003.8	980.6	..	25.1	23.8	22.7	28.3	87	..	3.9	..	3.7	0	0	18	02	1	2	1	4	2	5	1	12	0
SHEOPUR	0830	235	1005.1	978.8	+0.3	25.6	23.8	22.9	27.9	86	+ 5	4.4	-0.3	6.1	0	0	29	03	0	0	0	12	7	6	1	1	0
	1730	235	1001.6	975.6	+0.3	29.7	25.0	22.8	27.9	69	+ 2	4.3	-0.3	8.0	0	1	29	08	5	1	0	4	0	3	9	0	0
SHIVPURI	0830	464	1004.5	953.1	..	24.8	22.6	21.3	25.8	82	..	4.1	..	7.2	0	0	29	02	1	0	1	1	2	14	8	1	0
	1730	464	1001.6	950.8	..	28.0	23.1	20.6	24.6	68	..	3.8	..	9.5	0	1	29	04	0	2	0	2	3	7	12	0	0
NOWGONG	0830	229	1004.8	979.2	-0.4	26.2	24.3	23.4	28.9	85	+ 3	3.9	-0.3	2.2	0	0	11	00	1	0	0	2	6	1	1	19	0
	1730	229	1001.7	976.4	+0.1	29.5	25.3	23.4	28.8	72	+ 4	4.1	-0.7	1.4	0	0	14	01	3	1	0	0	5	0	4	16	0
GUNA	0530	478	1004.4	951.0	..	21.9	21.4	21.0	25.0	95	..	5.3	..	8.0	0	3	18	01	0	0	1	3	8	7	1	9	0
	0830	478	1005.7	952.6	-0.1	24.7	23.2	22.5	27.3	88	+ 2	4.7	+0.4	6.3	0	0	27	01	0	3	0	1	4	13	5	3	0
	1130	478	1005.1	952.6	..	27.9	24.3	22.8	27.7	76	..	5.1	..	10.3	0	1	28	02	0	0	0	0	5	8	14	1	0
	1430	478	1002.7	950.4	..	28.6	25.0	23.4	28.9	76	..	5.5	..	10.3	0	2	28	02	0	0	0	0	3	10	15	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - -SEPTEMBER,1967BHADRA 10 - ASVINA 8,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, WEST(CONTD)																											
GUNA(CONTD.)	1730	478	1002.2	949.7	-0.1	27.4	24.7	23.5	29.1	81	+11	5.0	+0.4	11.1	0	1	28	04	0	0	0	0	4	12	0	1	0
	2330	478	1005.3	952.1	..	23.3	22.5	22.1	26.6	93	..	3.8	..	7.0	0	2	20	00	0	0	2	1	10	6	3	8	0
NIMACH	0830	496	1006.7	951.7	+0.2	24.6	21.7	20.3	23.8	79	- 2	4.6	+0.0	11.1	0	5	22	01	4	0	0	0	10	11	1	3	0
	1730	496	1002.9	948.9	-0.1	28.6	22.4	19.0	22.5	62	- 3	4.2	-0.9	9.8	0	4	23	00	4	2	0	0	6	12	0	3	3
RAJGARH	0830	382	1005.9	963.2	+0.9	24.3	22.8	22.1	26.6	88	+ 4	4.6	-0.3	9.2	0	3	24	04	0	2	1	1	2	14	3	3	0
	1730	382	1002.7	960.7	+1.0	28.4	24.2	22.1	26.7	72	+ 5	4.0	-0.9	7.4	0	0	29	09	0	1	1	1	0	16	1	1	0
SAGAR	0830	551	1005.3	944.5	+0.2	24.4	22.5	21.5	25.8	85	+ 2	5.4	+0.5	5.7	0	0	29	00	3	4	0	0	4	14	4	1	0
	1730	551	1001.0	940.9	-0.5	27.0	24.0	22.8	27.6	79	+ 6	5.2	-0.2	8.1	0	0	30	00	6	5	0	0	7	5	7	0	0
RATLAM	0830	486	1006.9	952.8	+0.4	24.4	22.1	21.0	25.0	83	- 4	5.3	-0.7	10.3	0	2	27	02	1	4	0	0	5	13	4	1	0
	1730	486	1003.0	949.9	+0.1	28.4	23.3	20.8	24.7	66	- 1	5.2	-0.9	11.4	0	1	28	01	4	2	0	0	7	10	5	1	0
BHOPAL(BAIRAGARH)	0230	523	1004.5	946.3	..	22.5	20.8	19.9	23.2	86	..	4.8	..	8.7	0	1	20	00	0	0	1	2	2	16	6	9	0
	0530	523	1004.8	946.5	..	21.9	20.5	19.8	23.1	88	..	5.1	..	9.8	0	3	20	00	1	0	0	1	3	13	5	7	0
	0830	523	1006.2	948.3	+0.0	24.4	21.8	20.5	24.3	80	- 3	5.5	+0.5	13.3	0	6	21	01	2	1	0	1	3	11	8	3	0
	1130	523	1005.7	948.3	..	27.4	22.6	20.1	23.8	68	..	6.0	..	15.5	0	10	20	05	3	2	0	0	2	11	7	0	0
	1430	523	1003.0	946.0	..	28.6	22.7	19.6	23.2	62	..	6.0	..	16.2	0	9	21	06	3	2	0	1	2	9	7	0	0
	1730	523	1002.6	945.4	+0.2	27.5	22.3	19.7	23.1	65	- 1	5.9	+0.5	12.3	0	5	23	07	5	1	0	0	3	9	3	2	0
	2030	523	1005.1	947.3	..	24.4	21.6	20.2	23.8	79	..	4.8	..	7.1	0	1	23	04	4	0	0	2	4	7	3	6	0
	2330	523	1005.9	947.7	..	23.2	21.1	20.0	23.5	83	..	4.5	..	7.1	0	0	24	02	0	1	1	0	8	6	6	6	0
UJJAIN	0830	489	1006.9	952.4	..	23.5	21.7	20.8	24.6	85	..	5.8	..	11.2	0	6	16	00	0	0	1	0	1	17	3	8	0
	1730	489	1003.0	949.5	..	26.2	22.9	20.3	24.1	64	..	5.5	..	15.6	0	10	18	01	3	2	0	0	3	10	9	2	0
NARSINGHPUR	0830	356	1005.7	965.9	..	24.8	23.3	22.5	27.3	88	..	4.8	..	2.7	0	0	22	00	0	0	1	0	12	8	1	8	0
	1730	356	1002.1	962.9	..	28.3	23.9	21.7	25.9	70	..	5.9	..	2.1	0	0	30	00	1	0	1	0	21	1	6	0	0
HOSHANGABAD	0830	302	1006.9	972.9	+0.7	24.5	22.9	22.1	26.6	87	+ 2	5.5	+0.0	2.0	0	0	30	00	1	0	0	0	28	0	1	0	0
	1730	302	1003.0	969.5	+0.6	27.4	24.0	22.2	27.1	76	+ 6	5.1	-0.6	2.0	0	0	30	00	9	0	8	0	9	0	4	0	0
INDORE	0530	567	1005.6	942.4	..	21.4	20.2	19.8	22.8	89	..	4.7	..	13.1	0	6	19	00	2	0	0	0	5	16	2	5	0
	0830	567	1006.9	944.1	+0.4	23.7	21.4	20.2	23.8	82	- 3	4.8	-0.8	14.3	0	8	16	01	0	1	0	0	3	15	4	6	0
	1130	567	1006.3	944.2	..	27.1	22.3	19.9	23.4	68	..	4.9	..	17.8	0	8	20	00	4	3	0	0	2	15	4	2	0
	1730	567	1003.1	941.3	+0.5	27.4	22.1	19.4	22.7	65	- 2	4.3	-1.5	18.8	0	10	20	00	8	2	0	0	5	10	5	0	0
	2330	567	1006.5	943.6	..	22.7	20.9	19.9	23.4	85	..	3.4	..	12.5	0	6	22	01	2	2	0	1	8	11	3	2	0
RAJPUR(JHABUA)	0830	293	1007.9	975.0	+0.9	24.8	23.1	22.3	26.9	86	- 2	5.3	-0.6	11.8	0	3	26	00	0	0	0	0	0	29	0	1	0
	1730	293	1004.2	971.9	+0.9	29.3	23.9	21.3	25.3	63	-.6	4.5	-0.9	8.8	0	0	30	00	0	0	0	0	0	30	0	0	0
CHHINDWARA	0830	685	1005.6	930.4	+0.1	23.7	21.5	20.4	24.0	82	+ 0	5.8	+0.8	6.7	0	2	26	04	0	2	0	2	2	16	2	2	0
	1730	685	1002.2	927.9	+0.3	26.6	22.0	19.7	23.1	69	- 3	5.9	+0.1	7.2	0	0	30	01	6	1	0	0	1	10	11	0	0
SEONI	0830	619	1005.5	937.5	+0.2	24.3	21.8	20.6	24.4	80	- 1	5.7	+0.4	6.8	0	0	28	02	5	0	0	0	9	5	7	2	0
	1730	619	1002.3	934.9	+0.3	26.7	22.3	20.1	23.7	70	- 2	6.1	+0.0	9.0	0	0	30	09	2	2	0	0	5	6	6	0	0
BETUL	0830	653	1006.5	934.7	+0.3	23.8	21.7	20.7	24.4	83	- 2	6.4	+0.3	5.4	0	0	27	01	2	0	2	0	3	9	10	3	0
	1730	653	1002.8	931.7	+0.4	26.3	22.4	20.5	24.1	72	- 3	6.5	-0.1	6.5	0	0	29	10	2	0	0	0	2	8	7	1	0
KHANDWA	0830	318	1006.8	971.1	+0.2	25.1	22.3	20.8	24.7	77	- 5	4.2	-0.9	3.2	0	0	27	01	0	2	0	2	1	12	9	3	0
	1730	318	1003.0	968.0	+0.6	30.1	22.9	18.7	22.1	54	-12	5.1	-0.6	3.8	0	0	30	07	2	1	0	0	4	6	10	0	0
MADHYA PRADESH, EAST																											
SATNA	0530	317	1002.9	967.5	..	24.5	23.7	23.3	28.6	93	..	4.6	..	2.1	0	0	18	00	1	1	0	3	1	12	0	12	0
	0830	317	1004.6	969.2	-0.2	26.1	24.1	23.1	28.4	84	+ 2	4.3	-0.2	2.5	0	0	28	02	1	0	2	3	1	17	2	2	0
	1130	317	1004.3	969.2	..	28.9	24.7	22.7	27.6	71	..	5.1	..	3.5	0	0	28	01	1	2	1	3	3	11	6	2	0
	1430	317	1001.8	966.9	..	29.8	24.7	22.3	26.9	66	..	5.4	..	3.2	0	0	26	01	0	2	0	2	2	11	8	4	0
	1730	317	1001.2	966.3	-0.1	28.7	24.7	22.7	27.9	71	- 1	4.4	-0.8	3.3	0	0	28	04	0	4	0	1	3	9	7	2	0
	2330	317	1004.0	968.6	..	25.6	24.2	23.5	29.1	89	..	2.8	..	1.5	0	0	14	00	0	0	0	2	4	7	1	16	0
REWA	0830	299	1004.2	970.8	..	26.9	24.4	23.2	28.6	81	..	4.9	..	3.4	0	0	24	04	1	1	0	3	3	9	3	6	0
	1730	299	1000.8	967.9	..	29.3	24.6	22.3	26.9	68	..	5.0	..	3.3	0	0	26	05	2	0	0	1	2	8	8	4	0
SIDHI	0830	272	1003.9	973.6	+0.6	26.7	25.3	24.6	31.1	88	+ 6	3.4	-1.4	0.6	0	0	8	00	0	2	0	3	1	2	0	22	0
	1730	272	1000.3	970.4	+0.5	28.6	26.2	25.1	32.1	82	+ 9	4.2	-0.7	1.1	0	0	12	03	0	2	0	4	0	3	0	18	0
UMARIA	0830	459	1005.3	954.3	+0.1	25.0	23.1	22.3	26.9	85	+ 4	5.8	+0.3	4.2	0	0	22	02	0	0	1	2	5	9	2	8	1
	1730	459	1001.7	951.4	+0.2	27.6	23.9	22.2	26.9	74	- 2	5.6	-0.4	2.5	0	0	27	05	2	2	0	2	4	10	2	3	0
JABALPUR	0530	393	1004.1	960.2	..	23.3	22.7	22.3	27.1	94	..	5.6	..	3.2	0	0	15	00	0	0	0	1	6	8	0	15	0
	0830	393	1005.6	961.9	+0.2	25.1	23.5	22.7	27.6	87	+ 5	5.5	+0.1	3.9	0	0	25	00	0	0	1	2	10	10	2	5	0
	1130	393	1004.9	961.7	..	27.8	23.7	22.6	25.9	75	..	5.8	..	4.9	0	0	26	02	2	1	0	1	5	11	4	4	0
	1430	393	1002.2	959.2	..	29.0	24.6	22.4	27.3	70	..	5.5	..	5.4	0	0	29	00	5	0	1	0	4	11	8	1	0
	1730	393	1002.1	958.9	+0.7	27.8	24.1	22.2	26.9	73	+ 2	5.8	-0.1	3.7	0	0	22	03	2	0	0	1	5	9	2	8	0
	2030	393	1004.5	960.9	..	25.5	23.9	23.2	28.3	87	..	4.5	..	2.2	0	0	10	00	0	1	0	1	2	5	1	20	0
	2330	393	1004.9	961.2	..	24.4	23.4	22.8	27.9	91	..	4.2	..	3.1	0	0	14	01	0	0	0	1	3	8	1	16	0
AMBIKAPUR	0830	611	1005.0	937.8	-0.2	25.0	23.2	22.3	27.1	85	+ 0	5.5	+1.1	4.5	0	0	26	07	1	0	3	3	3	3	6	4	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — -SEPTEMBER,1967(BHADRA 10 - ASVINA 8,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																											
AMBIKAPUR (CONTD.)	1730	611	1001.6	935.1	-0.1	[illegible]	23.2	21.9	26.3	79	+ 1	7.0	+2.3	9.0	0	2	24	09	4	0	0	2	5	2	4	4	0
JASHPURNAGAR	0830	779	1004.3	919.8	..	[illegible]	22.3	21.3	25.8	82	..	4.7	..	1.9	0	0	25	00	2	0	5	0	6	1	11	5	0
	1730	779	1000.8	916.8	..	[illegible]	22.8	21.6	25.9	81	..	5.7	..	2.0	0	0	24	00	3	0	9	0	9	0	4	6	0
PENDRA	0530	625	1003.8	934.9	..	[illegible]	21.4	20.9	24.7	92	..	5.2	..	4.2	0	2	12	04	1	0	0	4	1	2	2	16	0
	0830	625	1005.1	936.5	-0.2	24.2	22.4	21.6	25.8	86	+ 2	5.2	+0.8	4.1	0	0	23	07	0	0	0	4	2	2	8	7	0
	1130	625	1004.2	936.2	..	26.9	23.3	21.7	25.9	74	..	5.0	..	8.2	0	2	25	14	1	0	0	4	1	2	5	3	0
	1430	625	1001.5	933.8	..	27.2	23.5	21.8	26.3	74	..	5.1	..	9.0	0	2	25	12	1	0	0	4	4	2	4	4	0
	1730	625	1001.8	933.7	-0.1	25.8	23.1	21.8	26.3	80	+ 0	5.6	-0.8	6.8	0	2	23	10	1	0	0	4	4	1	5	5	0
	2330	625	1004.9	936.1	..	23.4	22.0	21.4	25.3	89	..	5.0	..	3.5	0	0	19	03	0	0	0	4	3	4	5	11	0
MANDLA	0830	443	1005.5	956.3	+0.0	24.7	22.9	22.0	26.4	85	- 1	5.3	-0.1	2.0	0	0	13	04	0	0	0	5	1	0	3	17	0
	1730	443	1001.9	953.3	+0.1	27.1	23.6	21.8	26.3	73	- 2	4.9	-0.9	2.0	0	0	11	03	0	0	0	3	1	1	2	18	1
CHAMPA	0830	245	1005.3	977.9	+0.0	26.4	24.6	23.9	29.5	86	+ 3	5.9	-0.2	3.6	0	0	21	04	1	1	0	0	2	10	3	9	0
	1730	245	1001.7	974.5	-0.4	28.2	24.9	23.4	28.8	76	+ 1	6.9	+0.2	5.0	0	1	24	06	0	1	0	1	6	7	4	5	0
RAIGARH	0830	220	1005.3	980.7	+0.4	27.3	24.9	23.8	29.5	82	- 1	5.9	-0.3	3.3	0	0	29	02	3	0	3	3	11	1	6	1	0
	1730	220	1001.4	977.0	+0.0	28.6	25.1	23.5	28.9	74	+ 0	6.9	+0.4	2.2	0	0	24	00	3	0	0	0	15	3	3	6	0
RAIPUR	0530	298	1004.0	970.6	..	24.6	23.5	23.0	27.9	91	..	6.0	..	4.1	0	0	18	00	0	0	0	1	6	11	0	12	0
	0830	298	1005.7	972.4	+0.3	26.5	24.4	23.4	28.9	83	+ 1	6.3	+0.7	5.4	0	0	28	01	3	1	1	1	5	16	0	2	0
	1130	298	1005.2	972.2	..	28.9	24.9	23.1	28.3	72	..	6.0	..	6.1	0	0	28	00	5	0	0	1	7	10	5	2	0
	1430	298	1002.2	969.3	..	29.8	25.0	22.7	27.9	67	..	6.2	..	7.8	0	0	29	02	6	0	0	0	6	9	6	1	0
	1730	298	1002.4	969.4	+0.6	27.7	24.3	22.6	27.6	75	+ 1	6.3	+0.3	4.5	0	0	24	02	1	0	2	2	8	7	2	6	0
	2030	298	1004.7	971.4	..	26.3	24.4	23.5	28.9	85	..	5.0	..	3.1	0	0	15	00	1	0	1	0	5	7	1	15	0
	2330	298	1005.0	971.7	..	25.5	24.2	23.5	29.3	89	..	5.5	..	3.3	0	0	18	00	0	0	0	0	10	7	1	12	0
KANKER	0830	402	1006.1	961.5	+0.2	25.9	24.0	23.1	28.3	85	+ 3	5.7	+0.1	2.3	0	0	19	00	0	0	0	0	8	4	7	11	0
	1730	402	1002.8	958.6	+0.4	27.1	24.6	23.5	28.9	81	+ 4	7.0	+0.5	2.0	0	0	14	00	0	0	0	0	10	3	1	16	0
JAGDALPUR	0530	553	1004.9	943.7	..	22.7	21.8	21.3	25.3	92	..	6.6	..	1.4	0	1	3	00	0	0	0	1	2	1	0	26	0
	0830	553	1006.3	945.5	+0.5	25.0	22.8	21.8	26.1	83	- 2	6.0	+0.0	3.7	0	0	17	01	2	0	0	2	6	3	3	13	0
	1130	553	1005.1	944.9	..	[illegible]	23.5	21.7	25.9	71	..	6.0	..	5.9	0	0	24	01	0	0	0	0	7	9	7	6	0
	1430	553	1002.2	942.3	..	[illegible]	23.4	21.2	25.2	66	..	6.4	..	6.9	0	1	22	04	1	0	0	1	5	7	5	7	0
	1730	553	1003.2	942.7	+0.8	25.9	22.9	21.5	25.6	77	- 3	7.3	+0.6	7.1	0	1	23	01	3	0	1	5	9	3	2	6	0
	2030	553	1005.8	944.8	..	[illegible]	22.3	21.5	25.8	86	..	6.1	..	1.5	0	[illegible]	6	00	0	0	1	0	3	2	0	24	0
	2330	553	1005.9	944.8	..	[illegible]	22.1	21.5	25.6	89	..	5.4	..	2.9	0	1	6	00	0	0	0	0	3	4	0	23	0
GUJARAT REGION (INCLUDING DAMAN)																											
DEESA	0830	135	1006.8	991.4	+0.6	26.2	23.8	22.7	27.6	81	+ 2	3.8	-0.4	7.7	0	0	30	00	4	0	0	3	11	3	9	0	0
	1730	136	1003.3	988.1	+0.[illegible]	[illegible]	24.7	21.4	25.6	60	+ 4	4.0	-0.3	8.6	0	0	30	00	3	0	1	1	16	0	9	0	0
RADHANPUR	0830	30	1006.9	1003.5	+1.4	[illegible]	25.1	23.9	30.0	83	- 2	3.5	-0.6	3.9	0	0	30	00	0	0	0	0	21	0	9	0	0
	1730	30	1003.5	1000.2	+1.0	31.8	26.5	24.2	30.4	70	+ 1	2.7	-0.8	4.1	0	0	27	02	0	1	0	4	6	6	6	3	0
IDAR	0830	219	1007.0	982.3	+0.7	25.7	23.3	21.7	26.6	82	- 3	4.8	-0.5	3.0	0	0	24	01	0	0	1	0	5	15	2	6	0
	1730	219	1003.4	979.2	+0.7	[illegible]	24.0	20.7	24.7	60	- 5	4.4	-0.9	3.1	0	0	28	02	2	0	1	2	3	16	2	2	0
AHMADABAD	0230	55	1005.3	998.9	..	[illegible]	23.9	23.0	28.3	85	..	3.8	..	7.2	0	0	22	00	0	0	0	1	8	11	2	8	0
	0530	55	1005.2	998.9	..	[illegible]	23.5	22.9	27.7	89	..	3.4	..	8.4	0	0	24	00	0	0	1	0	11	7	5	6	0
	0830	55	1007.2	1000.9	+0.1	26.4	24.3	23.4	28.6	83	+ 3	4.5	-0.1	10.3	0	1	28	03	1	0	0	1	6	11	5	3	0
	1130	55	1007.3	1001.1	..	[illegible]	25.2	22.9	27.9	66	..	4.9	..	11.3	0	1	28	03	0	2	0	2	5	10	7	1	0
	1430	55	1005.0	998.8	..	31.8	25.2	22.0	26.6	59	..	5.4	..	10.9	0	1	29	00	1	2	0	2	5	12	6	0	2
	1730	55	1003.8	997.6	+0.1	31.6	25.0	21.9	26.3	59	- 1	3.8	-0.5	9.3	0	1	26	01	1	2	0	1	7	7	6	3	2
	2030	55	1005.2	998.9	..	[illegible]	24.7	23.2	28.3	75	..	3.3	..	6.2	0	1	13	00	0	0	0	5	7	2	0	16	0
	2330	55	1006.2	999.9	..	26.7	24.4	23.4	28.6	83	..	3.4	..	6.5	0	0	19	00	1	0	0	3	10	5	0	11	0
DOHAD	0830	333	1007.1	969.9	-0.1	24.6	23.0	22.0	26.7	85	+ 0	5.0	-0.5	15.5	0	11	19	01	2	1	1	0	8	16	1	0	0
	1730	333	1003.5	966.9	+0.1	[illegible]	23.7	20.6	24.6	62	- 2	3.9	-0.2	15.5	0	9	20	01	4	0	0	0	10	11	3	1	0
VALLABH VIDYANAGAR	0830	44	1007.3	1002.3	..	[illegible]	24.4	23.9	29.7	91	..	3.5	..	6.4	0	0	29	03	0	0	2	2	18	0	4	1	0
	1730	44	1003.9	999.0	..	[illegible]	25.8	23.4	28.9	67	..	3.3	..	6.3	0	0	30	04	2	0	0	1	14	3	6	0	0
BARODA AERODROME	0830	38	1007.7	1003.4	+0.[illegible]	[illegible]	24.9	24.2	30.1	87	+ 4	4.3	-0.7	8.9	0	0	25	01	2	0	1	3	10	8	0	5	0
	1130	38	1007.6	1003.3	..	[illegible]	25.6	23.7	29.3	70	..	4.9	..	9.3	0	1	25	01	2	0	2	1	7	12	1	4	0
	1730	38	1004.1	999.8	+0.4	[illegible]	25.4	22.9	27.9	65	+ 2	5.0	+0.3	9.8	0	4	22	02	3	0	0	3	11	4	3	4	0
BARODA	0530	34	1005.9	1001.9	..	25.0	24.0	23.5	28.9	92	..	2.7	..	3.1	0	0	22	00	0	0	0	1	16	5	0	8	0
	0830	34	1007.7	1003.7	+0.0	26.3	25.0	24.4	30.7	89	+ 2	3.5	-1.1	3.5	0	0	25	01	0	1	1	0	17	4	1	5	0
	1130	34	1007.7	1003.9	..	30.7	26.3	24.4	30.5	70	..	4.3	..	4.7	0	0	27	01	1	0	1	0	15	7	2	3	0
	1730	34	1004.2	1000.3	+0.3	31.6	25.9	23.2	28.6	63	- 4	4.2	+0.0	4.6	0	0	25	00	0	2	0	0	14	5	4	5	0
	2330	34	1006.7	1002.8	..	[illegible]	24.6	23.7	29.3	86	..	3.1	..	4.1	0	0	26	00	0	0	0	0	18	6	2	4	0
BROACH	0830	17	..	..	..	..	..	..	..	..	..	4.3	-0.1	5.0	0	0	30	00	0	0	0	4	21	3	2	0	0
	1730	17	..	..	..	..	..	..	..	..	..	4.0	-0.4	5.7	0	0	30	00	1	0	0	0	25	4	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – SEPTEMBER, 1967 (BHADRA 10 - ASVINA 8, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GUJARAT REGION (INCLUDING DAMAN)																											
SURAT	0530	12	1006.1	1004.8	..	25.4	24.3	23.7	29.7	89	..	3.8	..	6.1	0	0	28	00	0	0	3	0	25	0	0	2	0
	0830	12	1008.0	1006.7	+0.1	26.5	24.8	24.1	30.0	86	+ 1	5.2	-0.6	5.5	0	0	28	00	0	0	7	0	18	0	3	2	0
	1130	12	1008.6	1007.2	..	29.9	25.7	23.8	29.7	69	..	5.4	..	8.8	0	1	29	00	3	0	1	0	24	0	2	0	0
	1730	12	1005.1	1003.8	+0.3	30.1	25.5	23.5	28.9	65	- 7	4.9	-0.1	12.3	0	7	23	00	1	0	3	0	25	0	1	0	0
	2330	12	1007.5	1006.2	..	26.7	25.0	24.1	30.4	86	..	3.0	..	8.0	0	1	26	00	0	0	1	0	26	0	0	3	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																											
NALIYA	0830	21	1006.4	1004.0	+1.3	26.6	25.2	24.6	30.9	89	+ 2	3.7	-1.0	10.5	0	5	21	01	0	0	0	0	18	3	4	4	0
	1730	21	1004.5	1002.2	+1.6	29.2	26.0	24.4	30.9	76	+ 1	4.6	-0.5	14.3	0	5	25	02	0	0	0	2	20	5	1	0	0
BHUJ (RUDRAMATA)	0230	80	1005.2	996.1	..	25.6	24.6	24.1	30.0	91	..	1.2	..	10.0	0	2	22	00	0	0	0	0	10	13	1	6	0
	0530	80	1005.2	996.1	..	25.2	24.3	23.8	29.7	92	..	3.3	..	8.5	0	0	20	00	0	0	0	0	5	11	4	10	0
	0830	80	1006.6	997.5	-0.3	26.8	24.8	23.9	29.7	81	+ 4	3.2	-0.2	16.3	0	6	22	02	0	0	0	0	11	12	3	2	0
	1130	80	1006.8	997.8	..	31.0	26.0	23.7	29.5	66	..	4.2	..	21.4	0	13	17	03	0	0	0	0	8	14	5	0	0
	1430	80	1004.7	995.8	..	32.8	26.8	24.2	30.4	61	..	4.9	..	21.4	0	15	15	03	1	0	0	0	8	15	3	0	0
	1730	80	1003.9	994.9	+0.2	31.7	26.6	24.4	30.7	66	+12	4.8	+1.1	22.9	0	21	9	04	1	0	0	0	11	13	1	0	0
	2030	80	1005.4	996.4	..	28.3	25.7	24.6	30.9	80	..	2.7	..	17.3	0	9	20	01	0	0	0	0	5	20	3	1	0
	2330	80	1006.2	997.1	..	26.7	25.1	24.5	30.5	88	..	1.8	..	13.9	0	2	26	02	0	0	0	0	11	13	2	2	0
KANDLA AERODROME	0830	35	1007.1	1003.2	..	27.4	24.3	22.9	27.9	77	..	2.9	..	18.1	0	16	14	00	0	0	0	0	12	13	5	0	0
	1130	35	1007.3	1003.4	..	31.3	24.8	21.6	25.9	57	..	3.8	..	24.1	0	19	11	00	0	0	0	0	15	11	4	0	0
	1730	35	1003.9	1000.0	..	31.9	24.7	21.2	25.2	53	..	3.7	..	26.3	0	20	10	01	0	0	0	2	16	9	2	0	0
NEW KANDLA	0830	14	1007.3	1005.7	+1.0	27.4	24.4	23.1	28.1	77	- 4	4.7	+0.3	17.8	0	11	19	05	0	0	0	0	5	9	11	0	0
	1730	14	1004.4	1002.8	+1.0	31.9	25.3	22.2	26.9	59	- 5	4.7	+0.4	30.3	0	24	6	01	0	0	0	0	11	15	3	0	0
MANDVI	0830	9	1007.5	1006.4	+1.3	27.4	25.0	23.9	29.7	81	- 6	4.4	-0.3	24.5	0	21	9	00	0	0	0	0	10	10	10	0	0
	1730	9	1005.0	1003.9	+1.2	29.3	25.7	24.1	30.0	74	- 8	4.5	+0.2	31.2	0	28	2	00	0	0	0	0	9	19	2	0	0
SURENDRANAGAR	0830	74	1007.3	998.9	+0.9	27.4	24.4	23.1	28.1	78	- 6	4.5	+0.2	13.2	0	3	27	02	1	0	0	2	9	9	7	0	0
	1730	74	1003.5	995.3	+0.7	32.9	24.6	20.3	24.1	50	- 8	5.3	+0.1	10.1	0	2	25	03	1	1	0	1	1	15	5	3	0
OKHA	0530	7	1005.9	1005.1	..	26.7	24.9	24.1	30.0	85	..	2.1	..	19.1	0	15	15	01	0	0	0	1	10	11	7	0	0
	0830	7	1007.6	1006.8	..	27.5	25.3	23.3	30.4	83	..	4.2	..	20.9	0	18	12	01	0	0	0	1	11	9	8	0	0
	1130	7	1008.2	1007.4	..	28.7	25.6	24.1	30.4	75	..	3.7	..	21.9	0	21	9	00	0	0	0	0	8	13	9	0	0
	1730	7	1004.6	1003.8	..	28.7	25.8	24.4	30.7	77	..	3.8	..	23.5	0	26	4	00	0	0	0	0	9	11	10	0	0
	2330	7	1007.1	1006.3	..	26.8	25.1	24.1	30.4	84	..	0.9	..	18.5	0	14	16	00	0	0	0	0	14	9	7	0	0
JAMNAGAR AERODROME	0530	20	1005.6	1003.4	..	24.6	23.6	23.0	28.3	91	..	2.3	..	10.4	0	2	24	00	0	0	0	0	1	22	3	4	0
	0830	20	1007.3	1005.1	+0.3	26.9	24.5	23.4	28.8	81	+ 0	3.7	-0.7	14.4	0	3	26	00	0	0	0	0	7	16	6	1	0
	1130	20	1007.6	1005.4	..	30.2	25.0	22.6	27.4	64	..	4.8	..	23.5	0	19	11	01	0	0	0	0	2	19	8	0	0
	1730	20	1004.7	1002.5	+1.0	29.4	25.1	23.0	28.3	69	+ 1	3.7	-0.5	29.4	0	28	2	01	0	0	0	0	0	19	10	0	0
	2330	20	1006.9	1004.7	..	26.3	24.3	23.4	28.8	84	..	1.7	..	14.6	0	5	25	00	0	0	0	0	1	21	8	0	0
DWARKA	0830	11	..	..	..	27.6	24.7	23.4	28.6	78	- 6	6.2	+1.5	20.5	0	16	13	02	0	0	0	0	10	11	6	1	0
	1730	11	..	..	..	29.0	25.5	23.8	29.7	74	- 4	4.5	+0.5	20.1	0	18	12	04	0	0	0	0	8	12	6	0	0
RAJKOT	0530	138	1005.7	990.1	..	23.5	22.6	22.1	26.7	92	..	2.0	..	13.4	0	4	26	01	0	0	0	3	14	6	6	0	0
	0830	138	1007.4	991.9	+0.1	26.1	24.3	23.5	28.9	86	+ 1	1.7	-2.5	20.9	0	21	9	01	0	0	0	1	15	5	8	0	0
	1130	138	1007.1	991.8	..	30.7	25.2	22.7	27.6	64	..	3.2	..	24.6	0	22	8	01	2	0	0	0	12	8	7	0	0
	1430	138	1004.7	989.5	..	32.6	25.3	21.7	26.3	55	..	4.2	..	22.1	0	19	10	00	3	0	0	0	12	6	7	1	1
	1730	138	1003.7	988.5	+0.1	31.7	24.8	21.3	25.6	56	- 1	3.3	-1.8	26.0	0	23	7	03	2	0	0	0	10	7	8	0	0
BHAVNAGAR AERODROME	0830	11	1007.7	1006.5	-0.1	27.0	24.4	23.2	28.4	80	+ 6	3.5	-1.1	16.7	0	11	18	01	0	0	0	0	14	9	5	1	0
	1130	11	1007.8	1006.6	..	30.9	25.1	22.4	27.1	62	..	4.0	..	18.1	0	15	15	02	2	1	0	0	10	10	4	0	1
	1730	11	1004.4	1003.2	+0.1	30.8	25.2	22.6	27.4	63	+ 0	4.8	-0.6	20.5	0	19	11	01	3	1	5	11	5	3	1	0	0
PORBANDER AERODROME	0830	7	1007.6	1006.8	+0.7	27.5	25.5	24.6	30.9	84	- 5	4.9	+0.3	16.2	0	11	18	03	0	0	1	1	12	2	10	1	0
	1130	7	1008.0	1007.2	..	30.1	26.1	24.3	30.5	72	..	3.8	..	20.6	0	17	13	02	0	0	0	2	17	3	6	0	0
	1730	7	1005.4	1004.6	+0.6	29.3	26.2	24.9	31.5	77	- 3	3.4	-1.8	21.7	0	21	9	01	0	0	1	1	15	12	0	0	0
KESHOD	0830	51	1008.1	1002.3	+0.9	26.5	24.5	23.6	29.1	84	- 3	4.7	+0.4	14.8	0	9	21	07	1	0	0	2	9	7	4	0	0
	1130	51	1008.3	1002.5	..	29.8	24.8	22.4	27.3	65	..	5.2	..	19.7	0	13	17	02	1	0	0	0	9	10	8	0	0
	1730	51	1005.4	999.6	+0.6	29.7	24.7	22.3	26.9	65	- 4	4.4	+0.2	24.3	0	21	9	00	1	0	0	0	8	18	3	0	0
MAHUVA	0830	9	1007.3	1006.3	..	25.4	24.0	23.1	28.6	89	..	5.8	..	2.7	0	0	28	03	0	0	0	0	5	12	8	2	0
	1730	9	1004.6	1003.6	..	29.6	26.1	24.6	31.1	74	..	6.4	..	6.9	0	0	30	00	0	0	0	8	19	2	1	0	0
VERAVAL	0230	8	1006.3	1005.4	..	26.5	25.1	24.4	30.7	89	..	3.4	..	18.8	0	14	14	06	0	0	0	1	6	13	2	2	0
	0530	8	1006.0	1005.1	..	26.1	24.8	24.3	30.4	90	..	3.6	..	18.9	0	16	11	07	0	0	0	1	7	10	2	3	0
	0830	8	1008.0	1007.1	-0.1	27.1	25.5	24.8	31.3	87	+ 1	4.3	-0.4	18.4	0	15	13	07	1	0	0	0	6	11	3	2	0
	1130	8	1008.4	1007.5	..	29.5	26.5	25.3	32.2	79	..	4.8	..	22.6	0	17	13	05	0	0	0	0	6	17	2	0	0
	1430	8	1006.5	1005.6	..	29.5	26.7	25.6	32.6	80	..	4.1	..	25.0	0	21	9	00	0	0	0	0	7	18	5	0	0
	1730	8	1005.8	1004.9	+0.4	28.3	26.2	25.3	32.2	84	+ 0	4.5	+0.5	22.5	0	21	8	01	0	0	1	0	3	19	5	1	0
	2030	8	1006.9	1006.0	..	27.0	25.7	25.0	31.9	87	..	3.1	..	20.8	0	20	9	02	0	0	0	0	4	16	7	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - SEPTEMBER,1967(BHADRA 10 - ASVINA 8,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SAURASHTRA AND KUTCH(INCLUDING DIU)																											
VERAVAL..(CONTD.)	2330	8	1007.6	1006.7	..	26.9	25.4	24.7	31.1	88	..	4.2	..	14.4	0	13	16	05	0	0	0	0	6	15	5	1	0
DIU	0830	15	1008.6	1007.1	..	27.2	24.7	23.5	28.9	76	..	5.0	..	10.3	0	2	15	00	0	0	1	0	2	14	6	7	0
	1730	15	1005.7	1004.0	..	28.4	25.1	23.6	29.3	76	..	5.0	..	20.5	0	16	14	00	0	0	0	0	11	17	2	0	
KONKAN(INCLUDING GOA)																											
DAHANU	0830	5	(K)																								
	1730	5	(K)																								
BOMBAY(SANTACRUZ)	0230	14	1007.1	1005.4	+0.7	25.2	24.0	23.4	28.8	90	+11	5.6	+0.6	6.9	0	0	17	00	0	1	1	1	.	12	1	13	0
	0530	14	1007.0	1005.3	..	25.1	23.9	23.3	28.6	90	..	5.3	..	7.9	0	1	18	00	2	4	1	0	3	8	1	11	0
	0830	14	1008.7	1007.1	+0.4	26.5	24.7	23.9	29.7	86	+ 0	6.5	+0.5	9.0	0	2	21	()	2	5	2	1	6	5	0	7	1
	1130	14	1009.0	1007.4	..	28.6	25.5	24.1	30.0	77	..	6.6	..	13.3	0	10	14	00	0	0	1	2	7	11	3	6	0
	1430	14	1006.6	1005.2	..	28.6	25.6	23.9	29.7	75	..	6.1	..	16.7	0	9	21	01	0	0	0	1	4	15	9	0	0
	1730	14	1006.4	1004.8	+0.7	27.6	24.6	23.5	28.9	79	+ 4	6.5	+0.7	14.2	0	6	24	03	0	0	0	0	4	16	7	0	0
	2030	14	1008.0	1006.4	..	26.1	24.3	23.4	28.9	86	..	5.7	..	9.0	0	1	25	00	2	1	1	1	5	14	2	4	0
	2330	14	1008.5	1006.8	..	25.6	24.2	23.5	29.1	88	..	5.3	..	6.2	0	1	18	01	2	4	1	0	3	8	0	11	0
BOMBAY	0830	11	1008.6	1007.6	+0.4	27.0	24.5	23.9	29.7	83	- 2	5.6	-0.1	10.7	0	1	27	01	3	5	4	0	7	9	1	2	0
	1130	11	1009.1	1007.9	..	29.3	25.	24.2	30.4	74	..	5.4	..	11.2	0	1	29	02	0	2	4	2	8	10	2	0	0
	1730	11	1006.5	1005.5	+0.5	28.0	25.0	23.7	29.3	78	- 2	6.0	+0.0	13.7	0	4	26	03	0	1	0	2	5	12	7	0	0
ALIBAG	0830	7	1008.8	1008.0	-0.1	26.5	24.7	24.0	29.7	87	+ 1	6.7	+1.0	12.5	0	10	19	03	5	8	6	2	7	0	0	1	0
BHIRA	0830	96	1008.5	997.6	..	24.7	23.8	23.4	28.6	92	..	5.9	..	0.8	0	0	9	00	1	2	1	3	0	2	0	21	0
	1730	96	1006.1	995.2	..	26.8	24.4	23.4	28.6	82	..	7.0	..	1.9	0	0	19	00	0	3	2	2	9	2	4	11	0
HARNAI	0830	20	1009.0	1006.7	+0.5	26.2	24.2	23.3	28.6	84	- 3	6.7	+1.6	12.0	0	8	19	01	2	5	4	2	[illegible]	7	2	3	4
	1730	20	1008.0	1004.5	+0.7	26.5	24.7	23.6	29.7	78	- 4	7.2	+1.3	15.8	0	13	17	05	0	0	1	1	0	14	6	9	3
RATNAGIRI	0830	35	1009.5	1005.3	+0.5	25.7	24.3	23.6	29.3	88	+ 0	7.6	+2.2	14.0	0	3	25	00	1	5	5	0	6	6	2	2	5
	1730	35	1006.6	1002.8	+0.5	27.5	24.8	23.6	28.9	80	- 1	6.1	+0.6	9.6	0	1	20	01	0	9	1	0	6	14	7	1	0
DEVGARH	0830	36	1009.5	1005.2	+0.3	25.5	24.2	23.6	29.3	89	+ 0	5.7	-0.2	12.2	0	5	23	00	1	6	2	1	2	10	6	2	0
	1730	36	1006.8	1002.8	+0.4	27.6	25.3	24.3	30.4	83	+ 0	5.7	-0.2	18.7	0	9	21	03	0	0	0	2	3	16	0	0	0
VENGURLA	0230	9	1008.6	1007.6	..	24.4	23.8	23.5	28.9	95	..	4.3	..	1.1	0	0	7	01	0	1	0	0	2	3	0	23	0
	0530	9	1008.1	1007.1	..	24.1	23.6	23.4	28.6	96	..	4.7	..	1.1	0	0	7	01	0	3	1	1	1	0	0	24	0
	0830	9	1010.1	1009.1	+0.6	26.0	24.6	24.0	29.8	89	+ 0	5.1	-1.9	1.8	0	3	14	01	1	1	0	[illegible]	1	6	2	15	0
	1130	9	1010.2	1009.2	..	27.	25.1	24.0	29.7	80	..	5.2	..	4.8	0	0	27	01	0	0	0	2	8	11	5	[illegible]	0
	1730	9	1007.6	1006.6	+0.6	27.2	24.8	23.6	29.3	81	+ 0	5.8	-0.4	5.6	0	0	27	01	0	1	0	2	4	14	5	3	0
	2330	9	1009.8	1008.8	..	24.7	24.1	23.7	29.5	94	..	5.8	..	1.1	0	0	5	01	0	0	0	0	2	2	0	25	0
PANJIM	0530	60	1007.7	1000.9	..	24.7	23.5	23.0	28.0	92	..	5.5	..	9.6	0	2	24	01	5	3	2	1	6	5	3	4	0
	0830	60	1009.6	1002.8	..	25.1	24.1	23.5	28.9	88	..	6.4	..	5.9	0	0	23	03	6	3	1	1	4	3	2	7	0
	1130	60	1009.7	1002.9	..	27.9	24.7	23.2	28.4	76	..	6.2	..	11.9	0	2	27	01	0	0	1	0	12	12	3	1	0
	1430	60	1007.6	1000.9	..	28.5	24.9	23.3	28.6	75	..	6.7	..	17.1	0	13	17	00	1	0	0	2	11	13	3	0	0
	1730	60	1007.0	1000.2	..	27.3	24.6	23.1	28.3	78	..	6.1	..	13.3	0	1	29	01	0	0	0	0	11	11	7	0	0
	2030	60	1009.7	1002.0	..	25.6	23.8	22.9	27.9	85	..	5.7	..	12.5	0	4	25	00	0	0	0	0	5	9	14	1	0
	2330	60	1009.4	1002.6	..	25.2	23.8	23.1	28.3	89	..	5.5	..	6.6	0	2	22	02	0	0	1	0	4	7	10	5	0
MURMUGAO	0530	62	1007.5	1000.5	..	25.2	24.1	23.6	28.9	91	..	5.6	..	13.0	0	7	22	01	6	5	1	2	3	9	2	1	0
	0830	62	1009.4	1002.5	-0.3	26.2	24.6	23.9	29.7	87	+ 0	6.2	+0.3	10.9	0	5	24	00	9	1	2	5	7	5	2	1	0
	1130	62	1009.4	1002.5	..	27.2	25.0	24.0	29.8	83	..	5.6	..	15.1	0	8	22	01	0	0	0	0	5	10	9	0	0
	1730	62	1006.9	1000.0	+0.0	27.1	24.8	23.7	29.3	82	- 2	5.8	+0.4	19.0	0	13	17	01	0	0	0	2	6	10	9	0	0
DABOLIM(NAVAL AIR STN.)	0530	52	1008.1	1002.3	..	24.5	23.7	23.3	28.6	93	..	5.7	..	11.0	0	4	17	02	1	3	2	1	0	9	3	9	0
	0830	52	1010.1	1004.2	..	25.1	24.2	23.5	28.9	88	..	5.7	..	12.1	0	6	22	01	3	3	2	3	1	9	3	4	1
	1130	52	1010.1	1004.5	..	27.4	24.5	23.2	28.3	79	..	5.6	..	21.4	0	12	13	05	0	0	0	0	5	8	11	0	1
	1730	52	1007.5	1001.7	..	27.2	24.5	23.3	28.6	80	..	5.9	..	24.5	0	22	7	04	0	0	0	0	1	[illegible]	16	1	0
	2330	52	1009.8	1004.0	..	25.5	24.1	23.4	28.9	89	..	5.7	..	16.2	0	6	20	12	0	1	0	1	1	5	6	2	0
MADHYA MAHARASHTRA																											
NANDURBAR	0830	206	1007.5	985.5	+0.6	25.2	23.4	22.5	27.3	85	+ 0	.	..	8.7	0	2	26	00	0	0	0	0	13	1	14	2	0
	1730	206	1004.8	982.1	+1.2	26.9	24.3	22.1	26.6	66	- 8	.	..	7.1	0	1	25	00	0	1	0	0	12	3	10	4	0
JALGAON	0830	201	1007.5	984.7	+0.4	25.5	23.3	22.3	26.9	84	- 2	5.6	+0.7	11.4	0	2	27	00	1	1	0	0	4	13	10	1	0
	1730	201	1003.2	981.0	+0.2	30.8	24.2	20.8	24.7	57	- 3	5.0	-0.2	14.0	0	6	22	03	3	1	1	0	1	9	12	0	0
MALEGAON	0830	437	1008.2	959.5	+0.8	25.0	22.0	20.4	24.0	76	- 1	3.4	-1.6	8.7	0	1	27	05	0	0	0	1	5	17	2	2	0
	1730	437	1004.1	956.2	+0.5	26.6	24.4	22.4	27.1	70	+ 7	1.8	-2.1	13.9	0	7	23	06	2	1	0	2	3	1	15	0	0
OZAR	0530	608	1007.0	939.2	..	20.9	20.1	19.7	22.9	93	..	4.2	..	12.5[e]	0	5[c]	14	00	1	1	0	0	3	17	4	4	0
	0830	608	1008.0	940.8	..	23.5	21.4	20.4	23.8	83	..	5.6	..	17.2[b]	0	11[b]	17	00	1	1	1	0	3	16	7	1	0
	1130	608	1007.1	940.8	..	27.	22.5	20.0	23.4	66	..	5.6	..	18.0	0	15	11	00	3	1	1	0	3	15	5	2	0
	1430	608	1004.5	938.7	..	28.2	22.4	19.7	22.9	61	..	5.5	..	24.1	0	22	5	00	3	2	0	0	2	16	7	0	0
	1730	608	1004.7	938.2	..	25.6	21.8	19.8	23.2	71	..	5.7	..	23.7	0	21	6	01	2	0	0	0	1	14	6	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — SEPTEMBER 1967 BHADRA 10 - ASVINA 8, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or lat. in gms. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD.)																											
AHMADNAGAR	0830	657	1008.4	936.0	+0.6	23.5	20.8	19.4	22.7	78	- 3	5.0	-0.1	6.9	0	0	24	00	2	0	2	0	10	0	10	6	0
	1730	657	1003.5	932.4	+0.3	28.3	21.7	18.1	21.0	57	- 5	6.3	+0.3	12.7	0	5	23	00	2	0	3	0	6	0	17	2	0
POONA AERODROME	0230	593	1007.4	941.3	..	21.2	20.3	19.8	23.2	92	..	4.4	..	11.5	0	1	23	00	1	1	0	1	0	21	0	6	0
	0530	593	1007.2	940.9	..	20.6	19.9	19.5	22.7	93	..	4.3	..	9.3	0	4	19	00	0	1	0	0	1	20	1	7	0
	0830	593	1008.4	942.6	..	22.9	21.0	19.9	23.5	83	..	5.5	..	14.7	0	9	14	00	1	0	0	0	2	19	1	7	0
	1130	593	1007.4	942.6	..	27.1	22.0	19.3	22.7	63	..	6.0	..	21.2	0	18	8	01	0	1	1	0	6	16	0	4	1
	1730	593	1005.1	940.0	..	25.7	21.8	19.5	23.2	70	..	6.2	..	27.1	0	24	6	01	1	1	1	0	6	19	1	0	0
	2330	593	1008.5	942.4	..	21.9	20.7	20.1	23.5	89	..	4.7	..	13.7	0	3	22	01	0	3	0	0	5	16	0	5	0
POONA	0530	559	1007.7	945.2	..	21.2	20.1	19.5	22.7	91	..	4.6	..	3.0	0	0	11	00	0	1	0	0	0	10	0	19	0
	0830	559	1008.8	946.7	+0.4	23.3	21.1	19.9	23.4	82	+ 2	5.9	+0.4	6.7	0	1	20	00	1	0	0	0	2	17	1	9	0
	1130	559	1008.0	946.6	..	26.7	22.0	19.7	22.9	66	..	6.1	..	10.3	0	4	18	00	1	0	0	0	0	19	2	8	0
	1430	559	1005.5	944.4	..	27.6	22.3	19.7	22.9	63	..	6.5	..	11.6	0	5	21	00	1	2	0	0	0	22	1	4	0
	1730	559	1005.9	944.3	+0.8	25.3	21.7	19.8	23.2	73	+ 1	6.7	+0.6	10.1	0	1	24	00	0	0	0	0	3	22	0	5	0
	2030	559	1008.3	946.1	..	22.9	21.0	20.0	23.5	84	..	5.6	..	7.8	0	2	19	01	0	0	1	0	0	19	0	9	0
	2330	559	1008.8	946.5	..	21.9	20.7	20.1	23.5	90	..	5.1	..	4.5	0	0	18	00	0	1	0	0	0	17	0	12	0
JEUR	0830	521	1008.2	950.6	+0.8	24.2	21.5	20.2	23.5	76	- 5	4.4	-0.1	10.9	0	1	29	11	0	0	0	2	2	6	9	0	0
	1730	521	1003.1	946.5	+0.4	29.3	22.1	18.3	21.3	55	- 4	5.4	-0.2	18.1	0	13	17	07	1	2	1	2	1	9	7	0	0
BARAMATI	0830	551	1008.4	947.4	+0.9	23.8	21.1	19.5	22.9	77	- 4	3.9	-1.2	10.8	0	3	26	01	1	0	0	2	6	13	6	1	0
	1730	551	1004.5	944.5	+1.4	28.1	22.0	18.9	21.8	58	- 4	5.1	-0.9	15.0	0	10	20	03	0	1	1	2	4	13	6	0	0
SHOLAPUR	0530	479	1007.3	953.6	..	22.0	20.7	20.0	23.5	89	..	4.4	..	3.7	0	0	22	02	1	0	2	0	8	4	5	8	0
	0830	479	1008.9	955.5	+0.6	24.2	21.8	20.7	24.4	81	+ 1	4.5	-0.6	6.5	0	0	27	01	1	0	3	0	15	0	7	3	0
	1130	479	1007.4	954.9	..	28.5	22.9	20.3	23.8	62	..	5.6	..	9.3	0	3	26	01	1	0	1	0	6	11	9	1	0
	1430	479	1003.8	951.9	..	30.8	23.3	19.8	23.1	54	..	5.6	..	8.2	0	2	27	01	1	0	2	0	9	7	9	1	0
	1730	479	1003.3	951.2	+0.3	29.7	23.0	19.7	23.1	58	+ 0	6.5	+0.4	7.7	0	0	29	02	3	0	2	0	7	8	7	1	0
	2330	479	1007.9	954.7	..	24.3	21.6	20.3	23.8	79	..	5.0	..	7.4	0	1	23	00	1	0	2	0	7	9	5	6	0
MIRAJ	0830	554	1009.3	947.6	+0.3	22.6	21.1	20.3	23.8	87	+ 1	6.2	+0.4	..	.	..	..	00	0	1	1	0	0	8	0	20	0
	1730	554	1005.7	945.1	+0.9	26.4	21.8	19.6	22.8	64	- 2	6.4	+0.4	..	.	..	..	00	0	1	0	0	0	22	1	6	0
KOLHAPUR	0530	570	1007.9	944.2	..	20.7	20.2	19.9	23.2	95	..	5.5	..	4.7	0	0	21	00	0	0	0	0	4	12	5	9	0
	0830	570	1009.1	945.8	+0.4	22.4	21.2	20.6	24.3	90	+ 3	5.3	-0.3	6.2	0	0	26	00	0	0	0	0	4	16	6	4	0
	1130	570	1008.4	945.7	..	25.7	22.2	20.5	24.1	74	..	5.4	..	9.6	0	1	26	00	0	0	0	0	5	15	7	3	0
	1730	570	1005.6	943.1	+0.6	25.4	22.0	20.5	24.0	75	+ 2	5.5	-0.5	15.2	0	9	20	01	0	0	0	0	6	15	7	1	0
	2330	570	1009.0	945.5	..	21.7	20.8	20.4	23.8	92	..	4.8	..	6.5	0	0	27	00	0	0	0	0	4	21	2	3	0
MARATHWADA																											
AURANGABAD	0830	581	1008.6	944.3	+0.5	23.6	21.5	20.0	24.1	81	- 3	5.0	-0.3	13.9	0	10	13	01	0	0	0	0	1	20	1	7	0
	1730	581	1003.6	940.6	+0.2	28.1	22.0	18.9	21.8	59	- 5	6.2	+0.2	21.1	0	15	13	03	2	1	0	1	1	15	5	2	0
AURANGABAD (CHIKALTHAN)	0230	579	1006.6	942.1	..	21.7	20.3	19.5	22.8	87	..	5.5	..	11.9	0	1	23	01	0	0	0	0	0	17	6	6	0
	0530	579	1006.8	942.2	..	21.0	19.8	19.2	22.2	89	..	5.5	..	9.8	0	2	21	00	0	0	0	0	0	21	2	7	0
	0830	579	1007.9	943.7	+0.6	23.9	21.2	19.6	23.2	79	- 1	5.5	+0.1	16.9	0	10	16	02	0	0	0	0	0	19	5	4	0
	1130	579	1006.8	943.5	..	27.9	22.3	19.6	22.8	61	..	6.1	..	20.5	0	15	14	03	1	2	1	0	1	13	8	1	0
	1430	579	1003.4	940.8	..	30.0	22.3	18.4	21.3	51	..	6.2	..	20.3	0	19	10	04	1	1	2	0	0	12	9	1	0
	1730	579	1003.4	940.4	+0.6	28.0	21.8	18.7	21.6	58	- 7	6.8	+0.5	21.5	0	16	14	03	3	1	1	1	0	10	11	0	0
	2030	579	1006.4	942.6	..	24.8	21.2	19.3	22.5	72	..	5.4	..	12.8	0	5	18	04	0	1	0	0	0	10	8	7	0
	2330	579	1007.6	943.3	..	22.9	20.5	19.4	22.4	81	..	5.3	..	12.1	0	4	19	01	0	1	0	0	0	13	8	7	0
PARBHANI	0830	423	1008.2	961.1	+0.7	25.0	21.8	20.1	23.5	75	- 6	4.6	-0.5	10.8	0	2	28	01	1	0	0	0	1	22	5	0	0
	1730	423	1003.2	957.0	+0.3	29.6	22.4	18.3	21.1	54	- 8	6.5	+0.4	10.2	0	2	27	02	4	1	0	1	1	12	8	1	0
NANDER	0830	358	1007.9	967.8	..	25.5	22.6	21.1	25.0	78	..	4.3	..	5.2	0	0	25	02	0	0	0	0	5	9	9	5	0
	1730	358	1003.7	964.3	..	29.4	23.9	21.2	25.2	63	..	5.9	..	2.4	0	0	14	00	1	0	0	0	0	2	11	16	0
BIR	0830	519	1008.7	951.1	..	24.3	22.0	20.8	24.7	82	..	5.1	..	5.3	0	0	24	00	1	0	0	0	7	0	16	6	0
	1730	519	1003.5	947.0	..	28.9	22.9	19.9	23.5	62	..	5.5	..	9.2	0	2	27	00	1	0	7	0	5	0	16	1	0
VIDARBHA																											
GONDIA	0830	313	1005.9	971.0	+0.3	25.7	23.8	23.0	27.9	85	+ 2	5.5	+0.0	2.1	0	0	16	02	1	0	0	1	8	2	2	14	0
	1730	313	1002.6	968.0	+0.5	27.5	24.3	22.7	27.7	76	+ 2	6.0	+0.0	3.2	0	0	20	02	0	0	1	1	8	4	4	10	0
NAGPUR (SUNEGAON)	0230	310	1004.3	969.4	..	23.9	22.7	22.1	26.6	89	..	5.5	..	3.8	0	1	17	01	0	0	0	0	5	5	7	12	0
	0530	310	1004.6	969.8	..	23.4	22.3	21.7	25.9	90	..	5.7	..	5.3	0	0	22	01	0	0	0	0	6	6	9	8	0
	0830	310	1006.1	971.5	+0.3	26.1	23.4	22.1	26.6	79	- 2	5.6	-0.1	8.5	0	2	26	03	1	0	0	0	2	11	11	2	0
	1130	310	1005.3	971.1	..	29.6	24.3	21.8	25.9	64	..	6.1	..	12.5	0	4	23	03	3	1	1	0	2	9	8	3	0
	1430	310	1002.5	968.4	..	29.8	24.3	21.4	25.9	62	..	6.7	..	13.5	0	7	23	05	2	2	2	0	2	8	9	0	0
	1730	310	1002.5	968.3	+0.5	28.2	24.2	22.2	26.9	72	+ 2	6.3	-0.1	8.0	0	0	26	03	2	3	1	1	5	8	3	4	0
	2030	310	1005.1	970.4	..	25.5	23.4	22.3	26.9	82	..	5.6	..	2.9	0	0	14	02	0	0	1	1	0	6	4	16	0
	2330	310	1005.6	970.8	..	24.6	23.0	22.3	26.7	87	..	5.5	..	3.3	0	0	16	02	0	0	0	0	3	6	5	14	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – -SEPTEMBER,1967BHADRA 10 – ASVINA 8,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 03 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA(CONTD)																											
AMRAUTI	0830	370	1006.5	965.3	+0.2	25.1	22.3	20.8	24.7	77	- 4	5.0	-0.4	5.3	0	1	28	01	3	2	0	0	10	10	3	1	0
	1730	370	1002.9	962.3	+0.7	28.9	22.9	19.5	22.9	59	- 7	5.8	-0.6	12.5	0	9	18	02	2	1	3	1	1	9	9	3	0
AKOLA AERODROME	0530	309	1004.9	970.0	..	23.3	21.6	20.7	24.4	85	..	5.0	..	5.0	0	0	22	00	0	0	0	3	3	11	5	8	0
	0830	309	1006.5	971.8	..	25.2	22.4	20.9	24.9	78	..	5.9	..	6.5	0	0	27	00	0	0	1	0	6	12	8	3	0
	1130	309	1005.9	971.7	..	29.6	23.4	20.2	23.7	58	..	6.1	..	8.1	0	1	27	02	0	1	1	0	1	12	11	2	0
	1430	309	1002.7	968.9	..	31.5	23.5	19.3	22.4	50	..	6.3	..	10.6	0	1	28	04	1	1	1	0	2	8	12	1	0
	1730	309	1002.3	968.3	..	29.8	23.1	19.4	22.8	56	..	6.6	..	10.7	0	1	28	06	0	2	1	0	2	7	11	1	0
	2030	309	1004.8	970.3	..	26.8	22.7	20.6	24.1	70	..	5.8	..	6.3	0	0	28	00	1	2	2	2	2	8	11	2	0
	2330	309	1005.7	971.0	..	24.9	22.3	20.9	24.7	79	..	5.1	..	5.1	0	0	24	00	2	1	0	3	3	9	6	6	0
AKOLA	0830	282	1007.0	975.3	+0.4	25.5	22.9	21.5	25.8	79	- 2	5.1	+0.2	2.8	0	0	29	00	1	0	1	0	8	8	11	1	0
	1730	282	1002.6	971.6	+0.2	30.5	24.0	20.6	24.4	58	- 6	6.7	+1.4	4.0	0	0	29	01	1	0	2	3	5	6	11	1	0
BRAMHAPURI	0830	229	1006.4	980.7	+0.6	25.4	23.9	23.2	26.3	87	+ 1	6.3	+0.6	2.9	0	0	21	01	1	0	1	3	6	6	3	9	0
	1730	229	1003.2	977.7	+0.8	28.1	24.6	23.1	27.9	76	+ 2	6.3	+0.2	4.1	0	0	22	04	1	1	2	1	8	3	2	8	0
BULDANA	0830	650	1007.4	935.6	+0.6	22.9	20.9	20.0	23.2	83	- 3	5.8	+0.1	9.7	0	1	27	00	0	0	0	0	7	3	18	2	0
	1730	650	1003.4	942.8	+0.7	26.8	22.2	19.9	23.4	68	- 1	6.2	+0.3	7.0	0	0	27	02	1	0	1	0	0	0	23	3	0
YEOTMAL	0830	451	1006.7	956.6	+0.6	24.9	22.1	20.6	24.3	77	- 7	5.8	+0.4	10.0	0	0	28	02	1	1	0	0	4	14	6	2	0
	1730	451	1002.5	953.1	+0.2	28.2	22.8	19.9	23.4	63	- 9	6.0	-0.1	9.4	0	1	27	06	1	2	0	0	1	13	5	2	0
CHANDRAPUR	0830	193	1006.4	984.7	+0.2	26.3	23.8	22.7	27.6	81	- 2	4.9	-0.5	8.1	0	0	28	01	1	2	0	0	4	13	7	2	0
	1730	193	1002.5	981.1	+0.1	29.4	24.7	22.4	27.3	67	- 7	5.8	-0.3	9.3	0	1	29	03	6	4	1	0	2	6	8	0	0
PUSAD	0830	334	1008.3	971.0	..	25.4	23.0	21.7	26.1	80	..	4.9	..	2.7	0	0	23	00	0	0	1	1	6	0	15	7	0
	1730	334	1003.9	967.2	..	30.0	24.2	21.3	25.5	61	..	5.6	..	3.1	0	0	28	01	2	0	4	0	10	0	11	2	0
SIRONCHA	0830	123	1007.2	993.3	+0.6	26.8	24.7	23.7	29.3	83	- 2	5.6	-0.1	1.6	0	0	23	02	2	1	5	0	2	1	10	7	0
	1730	123	1003.2	989.5	+0.3	30.6	25.3	22.8	27.9	64	-10	6.3	+0.0	1.7	0	0	22	08	1	4	2	1	2	0	12	8	0
WARDHA	0830	283	1006.3	974.7	..	26.4	23.3	21.8	25.9	76	..	4.9	..	4.1	0	0	30	03	2	2	1	1	5	9	7	0	0
	1730	283	1002.8	971.6	..	29.3	23.8	21.1	25.0	65	..	6.2	..	5.7	0	0	30	03	5	4	1	0	3	8	6	0	0
BHANDARA	0830		..	..	..	25.7	23.7	22.7	27.6	84	..	.	..	2.3	0	0	20	00	0	0	0	0	12	5	1	10	2
	1730		..	..	..	28.6	25.2	23.1	29.3	73	..	.	..	2.4	0	0	24	01	2	3	1	0	10	1	4	6	2
COASTAL ANDHRA PRADESH																											
KALINGAPATAM	0830	6	1005.8	1005.2	+0.4	28.3	26.5	25.7	33.2	87	+ 3	4.6	-1.2	7.7	0	4	23	05	0	0	0	5	8	2	4	2	3
	1730	6	1003.0	1002.4	+0.5	28.4	26.7	25.7	33.8	83	+ 3	5.1	-1.4	10.7	0	4	24	02	0	0	0	10	11	0	2	1	3
VISHAKHAPATNAM	0230	3	1004.2	1003.8	..	26.6	25.5	24.9	31.9	90	..	5.3	..	3.3	0	2	11	00	1	0	0	0	5	3	4	17	0
	0530	3	1004.6	1004.2	..	26.6	25.4	24.9	31.5	91	..	6.3	..	3.9	0	2	10	01	0	0	0	0	4	3	4	18	0
	0830	3	1006.3	1005.9	+0.5	28.8	26.0	24.8	31.3	79	- 2	5.7	-0.1	6.3	0	3	16	01	1	0	0	0	11	5	1	11	0
	1130	3	1007.1	1005.0	..	32.1	26.9	24.9	31.1	68	..	5.8	..	10.9	0	0	29	00	0	3	3	2	14	3	3	1	1
	1430	3	1002.9	1002.5	..	31.3	26.7	24.9	31.3	70	..	6.2	..	14.5	0	11	16	00	1	3	2	6	12	3	0	3	0
	1730	3	1003.3	1002.9	+0.6	28.9	26.2	25.1	31.9	80	- 4	6.6	+0.2	9.4	0	4	24	01	0	1	2	4	13	3	4	2	0
	2030	3	1005.4	1005.0	..	28.0	26.0	25.2	32.1	85	..	5.2	..	3.9	0	0	15	00	0	0	0	1	5	6	3	15	0
	2330	3	1005.6	1005.2	..	27.4	25.9	25.3	32.2	88	..	4.9	..	2.8	0	0	12	00	0	0	0	0	4	6	2	18	0
KAKINADA	0830	8	1007.0	1006.1	+0.6	28.8	25.9	24.6	31.1	79	- 1	5.2	-0.2	10.9	0	0	30	00	1	0	0	0	29	0	0	0	0
	1730	8	1003.5	1002.6	+0.5	29.6	25.9	24.3	30.4	73	- 3	5.5	+0.0	11.5	0	0	30	00	0	0	0	0	28	0	2	0	0
NIDADAVOLE	0830	12	1007.2	1005.8	+1.0	27.3	25.3	24.5	30.5	85	- 1	5.8	-0.7	4.5	0	0	30	00	0	2	0	3	10	15	0	0	0
	1730	12	1003.8	1002.1	+0.8	28.8	25.7	24.3	30.4	78	+ 0	6.9	+0.2	3.0	0	0	30	00	0	2	0	3	4	21	0	0	0
RENTACHINTALA	0830	106	1007.5	995.6	+0.8	27.8	23.9	21.9	26.6	71	- 3	4.9	-1.0	2.1	0	0	28	00	0	0	0	0	0	28	0	2	0
	1730	106	1003.4	991.7	+0.8	31.9	24.6	20.9	25.0	54	- 7	5.2	-1.6	1.9	0	0	27	00	0	0	0	0	0	27	0	3	0
GANNAVARAM	0230	24	1004.7	1002.0	..	26.5	25.2	24.6	31.1	89	..	5.3	..	5.5	0	0	20	03	0	1	0	2	7	6	1	10	0
	0530	24	1005.3	1002.6	..	25.9	24.6	24.0	30.0	90	..	5.7	..	6.7	0	0	23	01	0	1	0	1	7	10	3	7	0
	0830	24	1007.3	1004.6	+0.8	28.0	25.2	23.9	29.7	79	- 2	5.2	-0.5	9.9	0	3	23	00	0	1	1	2	3	17	2	4	0
	1130	24	1006.6	1003.9	..	30.4	25.4	23.2	28.3	67	..	5.4	..	13.0	0	5	24	02	0	2	1	0	5	12	7	1	0
	1430	24	1003.7	1001.0	..	31.3	25.7	23.0	28.3	62	..	6.0	..	15.0	0	6	24	01	0	0	2	4	1	11	11	0	0
	1730	24	1003.6	1000.9	+0.8	30.1	25.6	23.5	29.3	69	- 2	6.4	+0.0	9.7	0	0	27	01	0	1	1	3	3	6	12	3	0
	2030	24	1005.9	1003.2	..	28.2	25.7	24.6	31.1	82	..	5.1	..	4.5	0	0	19	04	0	3	1	3	3	2	3	11	0
	2330	24	1006.2	1003.5	..	27.2	25.5	24.8	31.1	87	..	5.2	..	3.9	0	0	14	01	0	2	1	3	4	3	0	16	0
MASULIPATAM	0830	3	1007.2	1006.9	+0.5	27.7	25.2	24.1	30.0	81	- 1	5.4	-0.1	4.5	0	0	24	01	0	0	0	14	8	1	0	6	0
	1730	3	1003.3	1003.0	+0.1	30.6	26.1	24.2	30.0	70	- 3	5.4	+0.3	3.6	0	0	30	02	0	4	2	0	13	7	2	0	0
ONGOLE	0830	12	1007.3	1006.0	+0.5	28.9	24.9	23.0	28.3	72	- 3	3.6	-1.8	2.3	0	0	25	00	0	0	1	1	4	16	3	5	0
	1730	12	1003.7	1002.3	+0.6	31.6	25.7	23.1	28.3	62	- 6	3.7	-2.1	2.1	0	0	26	00	1	2	1	1	3	16	2	4	0
NELLORE	0530	20	1006.3	1004.1	..	26.2	24.4	23.6	29.3	86	..	6.6	..	3.5	0	0	24	00	0	2	2	0	14	2	4	6	0
	0830	20	1007.8	1005.6	+0.4	29.1	25.4	23.7	29.3	74	+ 5	6.3	+0.9	4.7	0	0	29	00	9	0	6	0	10	0	4	1	0
	1130	20	1007.1	1004.9	..	32.2	26.5	23.7	29.5	61	..	5.3	..	9.3	0	0	30	01	0	0	0	1	15	5	8	0	0
	1430	20	1004.4	1002.2	..	34.4	27.0	23.7	29.5	56	..	6.0	..	7.8	0	0	30	00	1	0	0	0	14	4	11	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - SEPTEMBER, 1967 BHADRA 10 - ASVINA 8, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed per hour Km.	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL ANDHRA PRADESH (CONTD.)																											
NELLORE (CONTD.)	1730	20	1004.0	1001.8	+0.7	32.1	26.9	24.7	31.1	66	+ 6	6.8	+1.3	8.7	0	1	24	00	0	1	2	0	10	5	7	5	0
	2330	20	1006.9	1004.7	..	28.3	26.5	25.8	33.2	86	..	6.5	..	4.2	0	0	25	01	0	0	0	0	7	16	1	5	0
TELANGANA																											
RAMGUNDAM	0830	156	1006.7	988.7	+0.1	27.5	24.5	23.2	28.3	77	- 3	4.7	-1.1	2.9	0	0	26	03	0	1	0	1	1	16	4	4	0
	1730	156	1003.0	985.8	+0.7	31.3	25.2	22.3	27.3	60	- 7	6.0	+0.0	3.1	0	0	25	01	3	0	0	0	0	15	6	5	0
NIZAMABAD	0830	381	1007.1	965.1	+0.6	25.7	22.7	21.1	25.2	76	- 5	4.5	-0.6	2.7	0	0	23	01	0	2	0	1	17	1	1	7	0
	1730	381	1002.9	961.3	+0.5	30.4	24.3	21.4	25.3	61	- 7	4.9	-0.6	1.7	0	0	17	00	0	0	0	0	13	0	4	13	0
HANAMKONDA	0830	269	1007.3	977.3	+0.6	26.3	23.5	21.9	26.6	77	- 2	4.6	-0.5	2.0	0	0	29	12	0	1	0	3	0	9	4	1	0
	1730	269	1004.3	974.8	+1.3	30.1	24.6	21.7	26.3	62	- 6	3.8	-2.0	2.0	0	0	30	09	0	0	1	3	5	0	12	0	0
HAKIMPET AERODROME	0530	613	1006.2	938.3	..	22.8	20.9	20.3	23.2	91	..	5.2	..	17.9	0	11	15	01	0	0	0	0	4	16	5	4	0
	0830	613	1007.3	939.8	..	23.8	21.8	20.7	24.7	83	..	5.6	..	24.3	0	21	8	00	1	1	0	0	2	17	8	1	0
	1130	613	1006.4	939.8	..	27.2	23.0	21.0	25.0	71	..	5.5	..	27.5	0	22	8	02	1	0	2	0	3	11	11	0	0
	1730	613	1003.7	937.2	..	27.7	22.8	20.5	24.1	67	..	5.5	..	21.9	0	15	15	04	1	0	2	1	3	12	7	0	0
	2330	613	1006.5	938.6	..	23.5	21.6	20.6	24.4	84	..	5.1	..	14.9	0	6	21	01	0	3	1	0	9	11	2	3	0
BHADRACHALLAM	0830	111	1006.4	993.8	-0.2	26.3	24.6	23.8	29.7	86	+ 2	5.7	-0.5	3.8	0	0	30	00	13	0	0	0	10	0	7	0	0
	1730	111	1003.0	990.6	+0.4	29.3	25.5	23.8	29.7	73	- 1	6.4	-0.4	3.5	0	0	29	00	13	0	1	0	3	0	12	1	0
HYDERABAD (BEGAMPET)	0230	545	1005.5	945.3	..	23.4	21.2	20.0	23.5	82	..	4.4	..	11.1	0	7	15	02	1	0	0	0	2	14	3	8	0
	0530	545	1006.3	945.8	..	22.3	20.7	19.9	23.2	87	..	5.4	..	13.4	0	11	17	01	0	1	0	0	0	16	10	2	0
	0830	545	1007.9	947.7	+0.7	24.0	21.5	20.3	23.8	80	- 2	5.5	-0.2	16.1	0	12	17	02	1	1	0	0	1	12	12	1	0
	1130	545	1006.6	947.2	..	27.6	22.7	20.5	24.1	66	..	5.6	..	17.7	0	15	13	03	0	1	0	1	1	11	11	2	0
	1730	545	1003.4	944.2	+0.8	28.2	22.7	20.1	23.5	63	- 8	6.3	-0.1	12.8	0	6	23	06	2	2	0	0	4	8	7	1	0
	2330	545	1006.7	946.6	..	24.1	21.9	20.8	24.7	83	..	5.1	..	7.5	0	4	12	01	0	1	1	0	4	7	2	14	0
KHAMMAM	0830	112	1007.2	994.6	+0.4	26.6	24.5	23.7	28.9	83	+ 2	6.2	+0.6	4.9	0	0	18	02	0	0	0	2	5	8	1	12	0
	1730	112	1003.6	990.8	+0.5	29.5	25.4	23.9	28.9	72	+ 3	6.6	+0.1	1.4	0	0	15	05	0	2	1	1	1	4	1	15	0
MAHBUBNAGAR	0830	505	1006.1	952.0	+0.5	24.4	21.6	20.2	23.8	78	- 3	6.5	+0.5	9.5	0	0	30	02	0	0	0	2	4	14	8	0	0
	1730	505	1003.4	948.2	+0.3	28.7	22.9	20.1	23.7	61	- 5	6.7	+0.0	4.7	0	0	27	02	1	0	1	1	5	12	5	3	0
RAYALASEEMA																											
KURNOOL	0830	281	1009.1	977.5	+0.9	25.8	22.2	20.3	23.8	72	- 4	5.9	-0.1	10.9	0	4	25	00	1	0	0	0	18	0	10	1	0
	1730	281	1003.9	973.0	+0.7	30.5	23.1	19.1	22.4	54	- 3	6.5	+0.1	7.3	0	4	16	00	0	0	2	0	9	0	6	10	3
NANDYL	0830	212	1008.8	984.9	..	26.5	22.9	21.1	25.0	73	..	5.8	..	9.7	0	1	29	00	3	0	3	7	4	6	7	0	0
	1730	212	1003.8	980.0	..	30.8	23.9	20.1	24.1	56	..	5.4	..	9.3	0	0	29	05	1	2	3	1	2	4	11	1	0
ANANTAPUR	0530	350	1007.5	968.2	..	23.6	21.8	20.8	24.7	85	..	5.3	..	6.3	0	0	20	00	0	0	0	0	2	17	1	10	0
	0830	350	1009.2	970.1	+1.0	25.2	22.2	20.6	24.3	76	+ 2	5.9	+0.2	7.8	0	2	19	00	0	0	0	0	1	17	3	9	0
	1130	350	1007.6	969.1	..	29.4	23.4	20.3	23.8	59	..	6.0	..	11.7	0	5	19	00	0	0	0	0	2	14	8	6	0
	1430	350	1004.1	966.0	..	31.9	23.9	19.7	23.2	50	..	6.4	..	12.3	0	3	25	00	0	0	0	0	0	18	10	2	0
	1730	350	1003.5	965.4	+0.8	31.4	23.4	19.3	22.2	50	- 2	6.2	-0.2	9.2	0	2	21	01	1	0	0	0	3	11	7	7	0
	2030	350	1005.9	967.7	..	28.6	23.0	19.7	23.5	62	..	5.3	..	8.1	0	3	15	00	0	0	0	0	2	15	1	12	0
	2330	350	1007.4	968.7	..	26.4	22.7	20.8	24.6	72	..	5.2	..	13.3	0	7	19	01	0	0	0	0	4	20	1	4	0
CUDDAPAH	0830	130	1009.3	994.6	+0.6	27.4	23.6	21.6	25.9	72	+ 1	4.7	-0.9	2.4	0	0	16	00	0	0	0	0	3	13	0	14	0
	1730	130	1004.0	989.6	+0.4	32.0	25.4	22.2	27.1	58	- 3	6.1	+0.3	1.1	0	0	7	00	0	0	0	0	0	7	0	23	0
AROGYAVARAM	0830	701	1008.6	932.3	+0.9	24.3	21.8	20.9	24.4	80	+ 8	4.8	-1.1	7.3	0	1	28	00	2	0	0	0	2	0	25	1	0
	1730	701	1003.7	928.5	+0.7	28.9	23.6	22.6	25.6	63	+ 9	6.7	+0.0	7.8	0	0	30	00	3	0	1	0	1	0	25	0	0
MADRAS STATE (INCLUDING PONDICHERRY)																											
MADRAS	0830	6	1008.6	1008.0	+1.2	27.8	25.0	23.7	29.3	79	+ 5	5.6	+0.5	5.7	0	0	24	01	0	0	1	2	10	5	2	6	0
	1730	6	1004.7	1004.1	..	29.5	25.9	24.4	30.4	75	..	6.3	..	7.2	0	0	29	00	0	5	13	8	2	1	0	1	0
MADRAS (MINAMBAKKAM)	0230	16	1006.4	1004.6	..	26.6	24.7	23.8	29.7	85	..	5.6	..	8.8	0	0	27	00	0	0	1	25	1	0	0	3	0
	0530	16	1006.8	1005.0	..	25.9	24.2	23.4	28.9	87	..	5.9	..	9.0	0	0	29	00	0	0	0	18	7	4	0	1	0
	0830	16	1008.6	1006.9	+0.6	27.6	24.7	23.3	28.6	77	+ 4	6.0	+0.4	9.5	0	0	28	01	0	0	0	8	11	8	0	2	0
	1130	16	1007.7	1005.9	..	31.3	25.1	22.2	26.7	59	..	5.7	..	14.5	0	6	24	01	0	0	2	2	10	13	2	0	0
	1430	16	1004.6	1003.1	..	32.9	25.5	21.9	26.6	54	..	6.1	..	9.8	0	0	29	00	0	1	5	3	6	13	1	1	0
	1730	16	1004.9	1003.2	+0.8	29.9	25.9	24.2	30.2	72	+ 3	6.2	+0.4	11.5	0	0	29	00	0	6	15	4	2	1	1	1	0
	2030	16	1007.1	1005.3	..	27.8	25.5	24.5	30.7	83	..	4.9	..	9.9	0	1	28	00	0	1	7	21	0	0	0	1	0
	2330	16	1007.6	1005.9	..	27.3	25.5	24.7	31.1	85	..	4.9	..	10.3	0	0	30	00	0	0	3	26	1	0	0	0	0
VELLORE	0530	214	1007.5	983.3	..	24.9	22.2	20.8	24.4	78	..	5.4	..	2.1	0	0	9	01	0	0	0	1	3	3	1	21	0
	0830	214	1009.1	985.1	+0.8	27.0	22.8	20.5	24.3	69	- 2	5.6	+0.5	6.8	0	0	27	01	0	0	0	1	1	23	1	3	0
	1130	214	1007.7	984.1	..	31.2	24.0	20.3	24.0	53	..	5.7	..	8.3	0	0	29	01	0	0	0	0	5	19	4	1	0
	1730	214	1004.3	980.8	+0.7	31.5	23.8	19.7	23.2	52	- 4	5.8	-0.1	7.7	0	0	28	02	2	1	6	4	5	5	3	2	0
	2330	214	1008.0	984.1	..	27.3	23.6	21.7	25.9	72	..	5.0	..	2.9	0	0	10	00	0	0	1	3	4	2	0	20	0
TAMBARAM AERODROME	0830	29	1008.3	1005.0	..	28.1	25.7	24.6	31.1	80	..	6.1	..	13.9	0	3	25	02	0	0	1	1	14	8	2	2	0
	1730	29	1005.0	1001.8	..	30.6	26.8	25.1	32.1	74	..	6.1	..	19.3	0	11	19	00	0	2	15	10	2	1	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS -- SEPTEMBER, 1967 BHADRA 10 - ASVINA 8, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or lat. in gms. of nearest standard isobaric level	Mean pressure in mb. At station level	Mean pressure in mb. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADRAS STATE (INCLUDING PONDICHERRY)																											
TIRUPPATTUR	0830	390	1010.1	966.4	+1.3	23.8	23.3	22.9	28.3	91	+13	7.7	+2.2	4.1	0	0	29	18	0	0	0	11	0	0	0	1	0
	1730	390	1005.1	962.8	+1.9	27.6	24.2	22.6	27.4	75	+15	7.6	+1.1	6.6	0	0	29	17	0	0	0	12	0	0	0	1	0
METTUR DAM R.S.	0830	244	..	..	..	27.0	23.5	22.3	25.9	76	..	4.3	..	3.1	0	0	25	00	9	0	12	0	2	0	2	3	0
	1730	244	..	..	..	28.0	24.9	23.5	28.9	77	..	5.4	..	3.4	0	0	28	00	10	0	10	0	4	0	4	0	0
CUDDALORE	0530	12	1007.0	1005.7	..	25.6	24.2	23.6	29.1	89	..	4.8	..	0.9	0	0	5	00	0	0	1	1	3	0	0	25	0
	0830	12	1008.7	1007.4	+0.3	28.1	24.9	23.5	28.9	76	+ 3	4.9	-0.4	7.7	0	1	28	01	1	0	3	4	17	3	0	1	0
	1130	12	1007.8	1006.5	..	32.2	26.0	23.3	28.4	60	..	5.1	..	8.8	0	1	28	03	0	0	5	0	10	5	6	1	0
	1430	12	1004.9	1003.6	..	32.3	26.7	24.2	30.4	62	..	5.8	..	10.1	0	1	27	00	1	0	15	1	3	7	1	2	0
	1730	12	1005.1	1003.7	+0.6	29.4	26.8	25.7	33.0	81	+11	5.0	-0.4	8.1	0	0	30	00	0	0	28	2	0	0	0	0	0
	2330	12	1008.1	1006.7	..	27.3	25.7	25.0	31.7	87	..	3.9	..	10.3	0	2	25	00	0	0	15	5	7	0	0	3	0
KALLAKKURICHCHI	0830	127	1008.6	994.4	+0.8	27.3	24.8	23.7	29.3	81	+10	3.9	-0.4	2.3	0	0	13	00	0	0	1	0	7	0	5	17	0
	1730	127	1003.5	989.3	+0.0	32.5	27.0	24.5	31.1	65	+11	4.7	-0.7	4.1	0	0	20	00	0	2	4	1	9	0	4	10	0
SALEM	0530	278	1007.7	976.4	..	23.9	21.6	20.3	23.8	85	..	4.3	..	0.9	0	0	7	00	0	0	0	0	2	5	0	23	0
	0830	278	1009.5	978.3	+0.4	25.9	22.4	20.6	24.1	73	- 4	5.3	+0.2	1.5	0	0	11	00	0	0	0	0	7	2	2	19	0
	1130	278	1008.2	977.5	..	29.7	23..	19.7	23.2	55	..	5.1	..	4.9	0	0	19	00	0	0	0	0	8	8	1	11	2
	1730	278	1004.1	973.6	+0.2	31.3	23.5	19.3	22.4	51	- 3	5.8	-0.1	1.9	0	0	10	00	0	1	1	1	2	2	2	20	1
	2330	278	1008.4	977.3	..	26.2	22.4	20.3	24.0	71	..	5.5	..	3.9	0	0	14	00	0	0	0	2	11	1	0	16	0
COIMBATORE (PILAMEDU)	0530	399	1008.5	963.7	..	22.5	21.9	21.7	26.1	98	..	3.6	..	16.5	0	4	26	00	0	0	0	9	21	0	0	0	0
	0830	399	1010.0	965.5	+0.9	24.7	23.1	22.2	26.9	86	+ 7	4.4	-0.2	15.7	0	9	19	00	0	0	0	9	18	1	0	2	0
	1130	399	1008.5	964.7	..	29.[illegible]	25.3	23.5	28.9	72	..	4.6	..	20.5	0	14	15	00	0	0	1	14	13	1	0	1	0
	1430	399	1005.0	961.6	..	30.9	26.3	24.2	30.4	66	..	5.1	..	28.9	0	26	4	00	0	0	0	10	19	1	0	0	0
	1730	399	1005.6	961.7	+0.9	29.0	25.2	24.0	29.7	79	+16	5.2	-0.5	28.7	0	29	0	00	0	0	0	7	21	1	0	1	0
	2030	399	1008.4	963.9	..	24.5	23.5	23.1	28.1	92	..	3.5	..	24.7	0	25	5	00	0	0	0	10	20	0	0	0	0
	2330	399	1009.5	964.7	..	25.[illegible]	22.8	22.5	27.4	96	..	3.6	..	21.9	0	22	8	00	0	0	0	10	20	0	0	0	0
COIMBATORE	0830	409	1009.6	964.2	+0.4	25.4	22.0	20.2	23.7	73	- 4	4.0	-1.1	6.5	0	0	30	00	0	0	0	2	28	0	0	0	0
NAGAPATTINAM	0830	9	1009.5	1008.4	+0.6	28.3	24.6	22.8	27.9	73	+ 2	5.8	+0.7	8.9	0	0	30	00	0	0	0	1	14	14	1	0	0
	1730	9	1005.4	1004.3	+0.4	30.5	25.9	23.9	29.7	68	- 1	5.3	+0.4	19.8	0	18	11	00	0	1	15	7	6	0	0	1	0
TIRUCHCHIRAPPALLI	0230	88	1007.0	997.1	..	25.9	22.8	21.2	25.3	76	..	5.6	..	13.1	0	6	20	00	1	0	0	2	3	17	3	4	0
	0530	88	1007.2	997.2	..	2[illegible].1	22.4	20.9	25.0	78	..	4.9	..	13.1	0	4	26	00	0	0	0	1	6	23	8	0	0
	0830	88	1009.0	999.1	+0.3	27.3	23.2	21.2	25.0	69	- 1	4.9	-0.2	21.2	0	17	13	00	0	0	0	0	5	25	0	0	0
	1130	88	1008.0	998.2	..	31.6	24.3	20.7	24.4	53	[illegible]	4.9	..	21.3	0	18	12	01	0	0	0	3	2	13	11	0	0
	1430	88	1004.6	994.9	..	3[illegible]	24.5	19.9	23.2	45	..	5.2	..	14.3	0	4	26	00	0	0	2	5	5	10	8	0	0
	1730	88	1004.4	994.7	+0.3	31.9	24.1	20.1	23.5	52	+ 1	5.9	+1.6	15.5	0	6	24	00	4	2	6	5	6	5	2	0	0
	2030	88	1007.5	997.6	..	28.2	24.2	22.3	26.9	72	..	5.7	..	15.3	0	9	20	00	1	3	10	9	2	4	0	1	0
	2330	88	1008.5	998.5	..	26.[illegible]	23.6	22.2	26.6	77	..	5.7	..	8.5	0	1	24	00	0	0	2	6	6	9	2	5	0
VEDARANNIYAM	0830	4	1009.3	1008.8	..	29.2	25.4	23.7	29.3	70	..	5.4	..	3.3	0	0	30	00	0	0	0	2	24	3	1	0	0
	1730	4	1005.8	1005.3	..	[illegible]	25.5	23.4	28.8	67	..	3.9	..	4.3	0	0	30	00	0	0	1	10	18	1	0	0	0
ATIRAMPATTINAM	0830	6	1009.0	1008.4	..	28.[illegible]	24.6	22.4	27.6	68	..	3.4	..	5.3	0	19	11	00	0	0	1	21	7	0	1	0	0
	1730	6	1005.4	1004.7	..	31.[illegible]	25.8	23.9	28.8	69	..	3.5	..	19.1	0	19	11	00	0	0	2	20	7	0	1	0	0
MADURAI	0830	133	1009.7	994.8	+0.9	28.1	22.8	20.1	23.5	63	+ 0	4.5	-0.6	8.4	0	0	30	08	0	0	0	0	0	3	19	0	0
MADURAI AERODRUME	0530	131	1007.3	992.4	..	25.8	21.9	20.1	23.5	74	..	4.3	..	8.3	0	1	22	09	1	1	2	0	0	0	10	7	0
	0830	131	1009.1	994.3	+0.5	28.[illegible]	22.7	19.7	23.1	61	- 3	5.4	+0.6	10.5	0	3	21	07	0	1	0	1	3	2	10	6	0
	1130	131	1008.0	993.5	..	32.[illegible]	23.5	18.8	21.8	46	..	5.1	..	11.3	0	2	26	08	3	1	0	3	5	4	4	2	0
	1730	131	1004.8	990.3	+0.4	31.5	23.7	19.4	22.9	52	- 1	6.5	+0.4	18.5	0	13	16	02	5	4	7	4	3	3	1	1	0
TONDI	0830	5	1009.6	1009.0	+0.9	28.8	24.4	22.3	26.9	68	- 3	4.2	-0.7	4.7	0	0	19	01	6	0	1	1	9	0	1	11	0
	1730	5	1006.0	1005.4	+0.9	29.5	25.6	23.9	29.7	72	- 4	4.6	-1.0	25.6	0	27	2	00	0	0	12	16	1	0	0	1	0
PAMBAN	0830	11	1009.3	1008.0	+0.5	28.4	26.6	25.9	33.4	86	+ 8	4.5	+0.8	15.7	0	7	23	01	0	0	2	12	13	2	0	0	0
	1730	11	1006.1	1004.8	+0.4	28.5	26.8	26.1	33.8	87	+ 6	5.2	+0.7	23.5	0	25	5	00	0	0	3	21	6	0	0	0	0
TUTICORIN	0830	4	1009.7	1009.3	+0.7	29.5	23.4	20.3	23.8	58	- 1	3.7	+0.5	8.5	0	0	30	03	2	0	0	2	6	14	3	0	0
	1730	4	1005.7	1005.3	+0.6	32.8	25.0	21.6	26.1	57	+ 0	3.9	+0.7	12.8	0	4	26	00	1	0	2	12	1	14	0	0	0
PALAYANKOTTAI	0830	51	1009.7	1004.4	+1.3	30.1	23.3	19.6	22.9	54	- 4	3.4	-1.2	8.2	0	0	30	02	0	0	1	0	0	27	0	0	0
	1730	51	1005.7	1000.0	+0.5	32.3	23.5	18.7	21.8	45	- 8	4.8	-0.3	15.8	0	10	20	02	0	0	4	0	2	21	1	0	0
KANNIYAKUMARI	0830	37	1009.9	1005.8	..	28.9	23.5	21.8	26.1	74	..	5.0	..	14.5	0	6	24	00	0	0	0	0	2	20	8	0	0
	1730	37	1007.1	1003.0	..	29.9	24.6	23.1	28.3	75	..	5.4	..	18.0	0	14	16	00	0	0	0	0	9	19	2	0	0
PONDICHERRY	0830	6	(R)																								
	1730	6	(R)																								
COASTAL MYSORE																											
KARWAR	0830	4	1010.4	1009.9	+0.9	2[illegible].8	24.4	23.7	29.5	89	- 1	8.0	+2.0	2.9	0	0	30	03	6	10	1	0	7	1	2	0	0
	1730	4	1007.7	1007.2	+0.7	23.4	24.9	23.9	29.3	82	- 1	7.3	+1.3	8.9	0	0	30	00	1	0	1	1	2	5	12	0	8
HONAVAR	0830	26	1010.4	1007.4	+0.2	24.[illegible]	23.7	23.3	28.3	81	+ 0	5.7	-0.6	5.5	0	0	30	00	1	18	0	9	0	2	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - SEPTEMBER, 1967 (BHADRA 10 - ASVINA 8, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.			Mean temperature in °C			Vapour pressure in mb.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or lit. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry bulb	Wet bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															42 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL MYSORE (CONTD.)																												
HONAVAR (CONTD.)	1730	26	1008.0	1005.1	+0.5	27.6	24.9	23.7	29.3	79	- 5	5.6	-0.6	5.4	0	0	30	02	0	0	0	9	0	19	0	0	0
MANGALORE (DAPPE)	0230	102	1008.8	997.2	..	23.7	23.2	23.0	27.9	96	..	5.6	..	2.4	0	0	10	06	0	0	3	0	0	1	0	20	0
	0530	102	1008.8	997.2	..	23.3	22.8	22.5	26.9	96	..	5.2	..	3.7	0	1	12	02	3	5	1	1	0	0	1	17	0
	0830	102	1010.6	999.1	+0.5	26.0	23.8	22.8	27.7	90	- 2	6.2	-0.2	5.7	0	0	18	03	2	10	3	0	0	0	0	12	0
	1130	102	1010.3	998.9	..	27.9	24.7	23.2	28.4	76	..	6.4	..	12.3	0	5	23	02	0	0	1	1	6	9	7	2	2
	1430	102	1007.9	996.5	..	28.3	24.7	23.1	28.1	74	..	6.0	..	18.8	0	12	16	00	0	0	0	0	5	16	7	2	0
	1730	102	1007.7	996.2	+0.4	26.9	24.5	23.4	28.8	81	- 3	6.3	-0.2	15.0	0	4	24	00	0	0	0	0	5	11	12	2	0
	2030	102	1009.7	998.2	..	25.1	24.1	23.7	29.1	92	..	5.1	..	4.5	0	0	16	02	0	1	1	2	0	3	7	14	0
	2330	102	1010.5	999.0	..	24.4	23.7	23.3	28.6	94	..	5.1	..	3.3	0	0	14	06	0	2	1	3	0	0	2	16	0
MANGALORE	0830	22	1010.8	1008.3	+0.4	25.6	23.7	22.8	27.6	85	- 4	5.6	-0.7	2.7	0	0	30	02	4	14	7	0	1	0	1	0	1
	1730	22	1008.0	1005.5	+0.4	27.6	24.7	23.4	28.6	78	- 5	5.1	-1.2	5.3	0	0	30	03	0	1	1	2	5	7	8	0	3
INTERIOR MYSORE, NORTH																												
BIDAR	0830	664	1008.0	934.6	+0.6	23.0	20.7	19.2	22.7	81	- 3	6.1	+0.2	13.3	0	6	23	00	0	0	0	1	8	10	10	1	0
	1730	664	1002.9	931.0	+0.4	27.1	21.4	18.4	21.3	62	- 6	6.9	+0.3	13.4	0	7	20	01	3	1	1	2	8	6	5	3	0
GULBARGA	0830	458	1008.6	957.5	+0.6	23.8	21.5	20.3	23.8	82	+ 2	6.7	+1.1	10.2	0	1	25	00	0	0	0	0	3	14	9	4	0
	1730	458	1003.8	953.4	+0.4	29.3	23.0	20.0	23.5	61	+ 0	6.6	+0.3	5.9	0	0	24	01	0	0	0	0	0	17	6	6	0
BIJAPUR	0830	594	1009.3	943.3	+0.7	22.6	20.9	20.4	23.5	86	+ 6	6.5	+1.1	9.6	0	2	27	01	0	0	0	0	6	17	5	1	0
	1730	594	1003.5	939.5	+0.5	28.3	22.0	18.7	21.8	59	+ 0	7.7	+1.5	6.5	0	0	27	01	0	0	0	2	4	17	3	3	0
RAICHUR	0830	400	1008.9	964.3	+0.6	24.7	21.7	20.1	23.5	77	- 1	6.2	+1.1	9.3	0	0	30	00	1	0	1	0	15	3	10	0	0
	1730	400	1003.5	959.9	+0.3	29.9	22.7	18.4	21.7	53	- 3	7.0	+1.1	7.3	0	0	30	01	2	1	1	0	8	7	10	0	0
BELGAUM	0830	753	1010.5	927.4	+1.1	21.5	20.4	19.9	23.2	91	+ 2	6.4	+0.8	3.2	0	0	20	00	0	0	0	0	1	19	0	10	0
	1730	753	1007.5	925.2	+1.5	23.8	21.4	20.3	23.7	82	+ 1	6.4	+0.3	5.9	0	0	29	00	0	0	0	0	0	28	0	1	1
BELGAUM (SAMRA)	0530	747	1008.5	925.6	..	19.5	18.9	18.6	21.4	95	..	4.7	..	5.5	0	2	18	00	0	0	0	0	8	12	0	10	0
	0830	747	1009.8	927.2	+0.6	21.2	19.9	19.2	22.4	88	- 1	6.0	-0.3	8.1	0	1	25	01	1	0	0	0	5	13	6	4	0
	1130	747	1008.6	927.1	..	24.7	20.8	18.8	21.7	70	..	6.0	..	14.0	0	9	20	01	1	0	0	1	4	16	6	1	0
	1430	747	1006.1	925.0	..	25.4	21.0	18.8	21.7	69	..	6.4	..	15.9	0	6	24	01	0	0	0	0	5	21	3	0	0
	1730	747	1006.1	924.7	+0.5	24.3	20.8	19.0	22.1	73	- 6	5.9	-0.5	15.2	0	7	22	00	0	0	0	0	7	20	2	1	0
	2030	747	1006.9	926.4	..	21.3	20.2	19.6	22.9	90	..	4.9	..	9.5	0	0	30	00	0	0	0	0	7	21	2	0	0
GADAG	0530	650	1008.4	936.1	..	20.5	20.2	20.0	23.5	97	..	5.3	..	9.3	0	1	28	00	0	0	0	0	8	21	0	1	0
	0830	650	1009.7	937.7	+0.4	22.0	21.1	20.7	24.4	92	+ 9	5.8	-0.3	8.5	0	0	30	00	0	0	0	0	6	24	0	0	0
	1130	650	1008.1	937.3	..	27.0	23.3	21.6	25.9	73	..	5.9	..	10.7	0	1	29	01	0	0	0	0	11	15	2	0	1
	1430	650	1004.7	934.7	..	29.4	23.8	21.2	25.3	63	..	6.1	..	10.0	0	2	25	00	0	0	0	0	9	14	3	3	1
	1730	650	1004.8	934.3	+0.5	27.5	23.3	21.3	25.5	71	+ 5	6.4	+0.1	8.5	0	0	29	00	0	0	0	0	7	21	1	1	0
	2030	650	1008.3	936.7	..	23.5	22.0	21.4	25.3	89	..	4.5	..	10.7	0	0	29	00	0	0	0	0	7	21	0	1	1
	2330	650	1009.5	937.5	..	21.9	21.3	21.0	24.9	94	..	4.5	..	10.7	0	0	30	00	0	0	0	0	9	20	1	0	0
INTERIOR MYSORE, SOUTH																												
BELLARY	0830	449	1008.3	958.3	-0.3	24.5	22.2	21.0	25.0	81	+ 8	4.5	-1.2	8.3	0	1	26	00	0	0	0	0	4	8	15	3	0
	1730	449	1003.4	954.5	+0.0	30.5	23.3	20.1	22.9	49	- 6	5.1	-1.0	10.5	0	4	24	00	0	0	0	0	4	6	18	2	0
CHITRADURGA	0830	733	1009.6	928.1	-0.5	21.5	19.7	18.7	21.6	84	+ 1	5.8	-0.6	9.2	0	0	30	00	0	0	0	0	9	21	0	0	0
	1730	733	1004.3	925.5	+0.5	27.9	20.3	16.7	18.3	52	-11	4.9	-1.3	11.3	0	3	27	00	0	0	0	0	3	26	1	0	0
SHIMOGA	0830	571	1010.0	946.5	+0.2	22.6	20.5	19.3	22.7	82	- 3	6.6	+0.1	1.4	0	0	21	00	0	0	0	0	3	16	2	9	0
	1730	571	1005.6	943.3	+0.5	26.6	21.4	18.8	21.7	62	-12	6.5	+0.4	3.2	0	0	28	00	0	0	0	0	4	21	3	2	0
AGUMBE	0830	1018	..	..	..	21.4	20.2	19.7	22.8	90	..	.	..	4.8	0	0	27	00	5	0	0	0	19	3	0	3	0
BALEHONNUR	0830	890	..	..	..	20.7	19.4	18.7	21.6	88	- 5	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HASSAN	0830	960	1500.0	905.4	+0.4	19.7	18.4	17.7	20.2	88	+ 2	6.9	+0.8	6.8	0	0	30	00	0	0	0	0	2	27	1	0	0
	1730	960	1482.5	902.4	+0.4	25.0	20.0	17.2	19.7	62	-13	6.3	+0.0	4.0	0	0	30	00	0	0	0	0	11	17	2	0	0
BANGALORE	0230	921	1494.9	908.8	..	20.4	19.0	18.2	20.9	87	..	4.3	..	5.9	0	0	25	00	0	0	0	0	5	17	3	5	0
	0830	921	1508.6	910.1	+1.2	21.0	19.3	18.4	21.0	85	+ 0	6.5	-0.4	6.9	0	0	29	00	0	0	0	0	5	16	8	1	0
	1130	921	1515.1	909.9	..	25.3	20.5	17.9	20.6	64	..	6.4	..	9.2	0	1	29	00	0	0	0	0	6	16	8	0	0
	1430	921	1498.5	907.7	..	27.6	21.1	17.7	20.2	55	..	6.4	..	8.9	0	0	30	00	0	0	0	0	9	15	6	0	0
	1730	921	1491.2	907.2	+1.6	26.4	20.4	17.2	19.6	58	- 4	6.7	-0.1	8.1	0	0	28	00	0	0	0	0	9	13	6	2	0
	2030	921	1501.1	908.9	..	23.1	19.6	17.7	20.2	73	..	4.5	..	5.7	0	0	23	00	0	0	0	0	5	12	6	7	0
BANGALORE AERODROME	0530	897	1479.6	910.0	..	19.4	18.5	18.0	20.6	91	..	5.2	..	12.8	0	4	26	00	0	0	0	0	4	24	2	0	0
	0830	897	1499.0	911.7	+0.4	21.2	19.1	18.0	20.5	82	- 1	6.1	-0.3	16.5	0	12	17	00	0	0	0	0	3	21	5	1	0
	1130	897	1502.3	911.1	..	25.4	20.2	17.4	19.9	62	..	5.9	..	18.8	0	12	18	00	0	0	0	0	3	19	8	0	0
	1730	897	1477.5	908.3	+0.5	26.2	20.1	16.7	19.0	57	- 5	6.3	-0.2	16.4	0	12	17	00	0	0	0	0	7	9	13	1	0
	2330	897	1493.9	911.1	..	21.5	19.2	17.9	20.5	81	..	4.8	..	14.3	0	8	19	00	0	0	0	0	3	22	2	3	0
MYSORE	0830	767	1010.6	926.0	+0.5	21.5	19.3	17.9	20.8	80	- 3	3.7	-2.0	10.2	0	0	30	02	4	1	4	4	5	7	3	0	0
	1730	767	1005.2	922.6	+0.2	26.9	20.1	16.1	18.5	53	- 8	4.4	-1.7	17.5	0	12	18	04	1	4	0	4	10	2	5	0	0
KERALA																												
CALICUT																												

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - -SEPTEMBER.1967BHADRA 10 - ASVINA 8.1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 32 or more	20 to 31	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
CALICUT	0530	5	1009.3	1008.8	..	24.1	23.4	23.1	28.3	94	..	3.6	..	2.7	0	0	16	01	4	6	1	0	1	0	3	14	0
	0830	5	1011.0	1010.4	+0.4	25.6	24.1	23.4	28.9	85	- 3	4.8	-0.9	2.1	0	0	18	02	2	5	0	0	1	2	6	12	0
	1130	5	1010.9	1010.3	..	27.6	24.9	23.8	29.3	80	..	4.5	..	4.7	0	0	29	00	0	2	0	1	4	17	5	1	0
	1430	5	1008.9	1008.3	..	28.8	25.5	24.0	30.0	76	..	4.2	..	5.1	0	0	27	00	0	0	0	0	6	14	7	3	0
	1730	5	1008.4	1007.8	+0.6	27.4	24.8	23.7	29.1	81	- 1	5.1	-0.8	4.7	0	0	29	00	0	0	0	0	6	16	7	1	0
	2330	5	1010.9	1010.3	..	24.7	23.6	23.2	28.3	92	..	3.7	..	2.3	0	0	12	01	0	3	0	1	0	1	6	18	0
PALGHAT	0830	97	1011.0	999.9	+0.7	25.7	23.8	22.9	27.9	85	- 2	6.2	+0.4	8.2	0	0	30	00	0	0	0	0	0	30	0	0	0
	1730	97	1007.1	996.2	+0.4	28.3	24.2	22.2	26.9	70	- 3	5.7	-0.4	9.0	0	0	30	00	0	0	0	0	0	30	0	0	0
FORT COCHIN	0830	3	1011.1	1010.8	+0.1	26.6	24.5	23.5	28.9	83	- 1	6.9	+0.7	6.3	0	0	26	00	4	5	2	0	1	1	7	4	0
	1730	3	1008.5	1008.2	+0.5	27.1	24.8	23.8	29.3	82	- 2	6.3	-0.1	9.1	0	0	30	01	0	0	0	0	3	11	15	0	0
COCHIN(NAVAL AIR STATION)	0230	3	1009.9	1009.6	..	24.6	23.8	23.4	28.8	93	..	6.0	..	0.6	0	0	3	00	1	0	1	0	0	0	1	27	0
	0530	3	1009.8	1009.5	..	24.6	23.4	23.1	28.3	94	..	5.8	..	1.3	0	0	5	01	1	1	1	0	1	0	0	25	0
	0830	3	1011.5	1011.2	..	26.2	24.2	23.2	28.6	84	..	5.9	..	5.4	0	0	18	02	2	3	2	1	1	1	6	12	0
	1130	3	1011.4	1011.1	..	28.5	24.7	23.1	27.9	73	..	5.7	..	10.6	0	1	24	00	0	0	1	1	4	4	15	5	0
	1730	3	1008.6	1008.3	..	27.5	24.5	23.1	28.3	77	..	5.9	..	11.7	0	0	29	01	0	0	0	0	5	13	10	1	0
	2330	3	1011.5	1011.2	..	25.4	24.3	23.8	29.7	91	..	6.1	..	1.2	0	0	8	03	1	0	0	0	1	1	7	22	0
ALLEPPEY	0830	4	1011.1	1010.7	+0.7	26.3	24.7	23.9	29.8	87	+ 1	5.2	-1.0	6.7	0	0	29	03	12	2	1	0	1	3	7	1	0
	1730	4	1009.4	1009.0	+1.8	27.7	25.1	24.0	29.7	80	- 2	5.2	-1.1	17.8	0	16	14	00	0	0	0	0	0	7	23	0	0
PUNALUR	0830	34	1011.1	1007.3	+0.6	25.9	24.0	23.1	28.3	85	- 6	5.2	+0.1	0.3	0	0	2	01	0	0	0	0	0	0	1	28	0
	1730	34	1007.8	1004.1	+0.5	29.6	24.4	22.5	26.3	66	- 5	6.5	+0.5	5.7	0	0	28	00	0	0	0	0	9	14	5	2	0
TRIVANDRUM	0230	64	1009.3	1001.9	..	24.1	23.3	22.9	27.9	93	..	4.3	..	4.0	0	0	20	07	1	0	0	0	0	0	12	10	0
	0530	64	1009.3	1001.9	..	23.7	23.0	22.6	27.6	93	..	4.4	..	4.9	0	0	21	05	2	0	0	0	0	1	13	9	0
	0830	64	1010.7	1003.7	+0.2	25.5	23.7	22.8	27.7	85	- 1	5.0	-0.1	7.7	0	0	28	09	1	0	0	0	1	1	15	2	0
	1130	64	1010.5	1003.2	..	28.8	24.2	22.0	26.4	68	..	5.6	..	13.9	0	3	27	04	0	0	0	0	0	6	20	0	0
	1430	64	1008.0	1000.7	..	29.2	24.5	22.3	26.9	67	..	5.1	..	15.4	0	7	22	01	0	0	0	1	0	14	13	1	0
	1730	64	1008.1	1000.8	+0.4	27.7	24.1	22.4	27.1	73	- 4	5.2	-0.4	14.5	0	8	20	02	0	0	0	0	0	8	18	2	0
	2030	64	1010.5	1003.1	..	25.5	23.8	22.9	27.9	85	..	5.0	..	7.7	0	1	28	01	0	0	0	0	0	3	25	1	0
	2330	64	1011.0	1003.7	..	24.8	23.6	23.1	28.1	90	..	5.1	..	7.0	0	0	27	08	0	0	0	0	0	0	19	3	0
TRIVANDRUM AERODROME	0830	8	1011.4	1010.5	+0.8	26.6	23.9	22.6	27.6	79	- 3	5.5	+0.2	20.9	0	17	12	22	1	0	0	0	0	2	4	1	0
ARABIAN SEA ISLANDS																											
AMINI	0530	4	1008.4	1008.0	..	26.7	24.3	23.0	28.4	81	..	4.8	..	19.1	0	14	16	05	0	0	0	0	0	13	12	0	0
	0830	4	1010.3	1009.9	-0.1	27.5	24.7	23.3	28.8	78	- 4	5.4	+0.2	18.1	0	13	18	05	0	0	0	0	2	10	12	1	0
	1130	4	1010.5	1010.1	..	29.[illegible]	25.2	23.5	28.9	73	..	5.3	..	18.1	0	13	17	06	0	0	0	0	0	12	12	0	0
	1730	4	1007.7	1007.3	..	29.4	25.1	23.5	29.3	75	..	5.5	..	21.5	0	17	13	04	0	0	0	0	1	14	11	0	0
	2330	4	1010.4	1010.0	..	27.[illegible]	24.5	23.3	28.6	80	..	4.6	..	20.0	0	16	14	05	0	0	0	0	0	12	13	0	0
AGATTI	0830	4	1010.1	1009.7	..	27.[illegible]	25.0	23.9	29.7	80	..	5.5	..	11.9	0	6	23	04	0	0	0	0	1	8	16	1	0
	1730	4	1008.3	1007.8	..	28.3	25.1	23.9	29.3	77	..	5.5	..	13.7	0	5	25	02	0	0	0	0	0	10	18	0	0
ANDROTH	0830	5	1011.3	1010.8	..	27.[illegible]	24.9	23.8	29.3	80	..	6.2	..	2.5	0	0	27	05	0	0	0	0	3	3	10	3	6
	1730	5	1008.4	1007.9	..	26.6	25.4	24.0	29.8	76	..	7.4	..	2.7	0	0	26	00	0	0	0	0	1	2	21	4	2
MINICOY	0530	2	1009.5	1009.3	..	25.7	23.6	22.6	27.3	83	..	4.5	..	8.4	0	2	24	07	1	0	0	0	1	5	12	4	0
	0830	2	1011.5	1011.3	+0.3	27.5	24.5	23.1	28.3	77	- 2	5.5	+0.0	7.5	0	1	28	07	0	0	0	0	1	7	14	1	0
	1130	2	1011.4	1011.2	..	28.8	25.0	23.3	28.6	73	..	5.3	..	9.3	0	0	28	09	0	0	0	0	0	7	12	2	0
	1730	2	1009.0	1008.8	+0.5	28.2	24.7	23.0	28.3	73	- 6	5.3	-0.5	8.5	0	0	29	05	0	0	0	0	0	10	14	1	0
	2030	2	1010.8	1010.6	..	25.8	24.1	22.8	27.9	79	..	3.8	..	7.5	0	2	24	06	0	0	0	0	0	9	11	4	0
	2330	2	1011.5	1011.3	..	26.4	23.9	22.7	27.6	80	..	4.6	..	9.8	0	3	23	06	0	0	0	0	1	10	9	4	0
HILL STATIONS(EXCLUDING KASHMIR)																											
DALHOUSIE	0830	1959	1412.3	797.9	-0.3	17.6	15.1	13.5	15.5	78	- 6	4.0	+1.8	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1959	1395.1	796.8	-0.2	20.5	18.3	17.2	19.6	81	- 2	5.1	+1.9	..	.	..	..	..	..	..	..	..	..	..	..	..	..
DHARMASALA	0830	1211	1502.9	879.5	-1.1	22.[illegible]	19.0	17.8	20.4	75	+ 2	4.4	+0.9	1.1	0	0	15	00	8	1	3	1	0	0	2	15	0
	1730	1211	1488.5	877.7	-1.4	24.4	21.2	19.5	22.7	75	+ 1	5.1	+0.6	2.1	0	0	28	02	1	0	3	1	12	4	5	2	0
BHUNTAR	0830	1096	1469.0	887.8	..	20.0	18.3	17.2	19.6	84	..	4.4	..	1.6	0	0	13	06	0	2	3	2	0	0	0	17	0
	1130	1096	1465.4	886.6	..	26.4	20.2	16.7	19.0	56	..	3.8	..	6.3	0	1	28	06	0	0	6	16	1	0	0	1	0
	1730	1096	1438.5	884.0	..	25.7	19.9	16.5	18.8	58	..	3.5	..	12.7	0	6	23	02	1	5	11	9	0	0	1	1	0
SIMLA	0830	2202	1462.4	780.2	-0.6	17.6	13.7	10.9	13.0	70	- 5	3.4	-0.9	1.8	0	0	27	00	5	0	12	0	4	0	6	3	0
	1730	2202	1451.9	779.2	-0.3	17.[illegible]	15.4	13.9	15.9	81	- 1	4.9	-0.2	1.8	0	0	27	01	3	0	11	0	6	0	6	3	0
GHANGARIA (KANJALIA TOK)	0830		..	..	..	10.1	9.1	8.3	10.9	90	- 1	1.7	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BADRINATH	0830		(R)																								
JOSHIMATH	0830		..	..	..	13.2	16.1	14.7	16.7	81	- 2	3.4	-1.9	6.1	0	0	30	00	0	18	0	2	3	7	0	0	0
	1730		..	..	..	21.2	17.3	15.1	17.1	69	- 5	4.8	-1.2	4.7	0	0	30	02	1	1	0	5	6	15	0	0	0
MUSSOORIE	0830	2042	1460.9	794.6	-1.9	16.9	16.2	13.8	15.8	84	- 2	5.1	+0.6	1.0	0	0	13	02	2	0	4	4	1	0	0	17	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - SEPTEMBER 1967 BHADRA 10 - ASVINA 8, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HILL STATIONS(EXCLUDING KASHMIR)																											
MUSSOORIE..(CONTD.)	1730	2042	1443.4	793.1	-2.0	17.3	16.6	16.3	18.5	94	+ 0	6.5	+0.4	1.6	0	0	21	01	1	0	8	9	2	0	0	9	0
MUKTESWAR(KUMAUN)	0830	2311	3129.4	771.5	+0.0	16.1	14.3	12.9	14.8	83	- 2	4.6	+0.2	6.5	0	1	25	00	2	7	2	2	2	6	5	4	0
	1730	2311	3112.1	769.8	+0.1	16.7	15.6	15.0	17.0	90	+ 1	5.3	+0.1	10.5	0	0	29	00	3	6	2	0	4	10	4	1	0
NAINITAL	0830	1953	1463.6	803.0	-0.3	18.0	14.9	13.0	15.2	73	- 6	3.7	-1.0	4.1	0	1	15	02	0	5	6	1	0	1	1	14	0
	1730	1953	1434.5	800.5	-0.8	17.9	15.8	14.5	16.5	81	- 2	3.9	-1.3	5.5	0	0	27	02	1	4	4	3	2	11	0	3	0
KALIMPONG	0830	1209	1468.6	875.9	-0.9	22.9	21.3	20.5	24.1	87	- 2	5.3	+0.5	5.9	0	0	30	00	0	0	16	0	0	0	14	0	0
	1730	1209	1419.4	870.9	-3.3	23.5	21.8	21.0	24.9	86	- 5	5.6	+0.8	6.1	0	0	30	00	1	0	28	0	0	0	1	0	0
DARJEELING	0830	2128	1486.4	789.3	-1.8	17.8	16.7	16.1	18.3	92	+ 6	7.2	+0.7	1.1	0	0	5	03	0	0	0	0	1	0	0	25	1
	1730	2128	1470.8	787.7	-1.1	16.5	16.0	15.7	17.8	95	+ 2	7.3	+0.2	1.5	0	0	9	01	0	0	0	0	7	0	0	21	1
KOHIMA	0830	1406	(R)																								
	1730	1406	(R)																								
SHILLONG(C.S.O.)	0830	1598	1475.4	838.2	+0.3	20.2	18.1	17.1	19.5	81	+ 4	5.9	+0.0	4.0	0	0	23	02	1	3	4	2	3	5	2	7	0
	1730	1598	1451.3	835.9	+1.0	19.3	18.5	18.1	20.8	89	+ 2	6.3	-0.8	2.7	0	0	15	00	0	4	0	2	4	4	1	15	0
CHERRAPUNJI	0830	1313	1469.6	865.7	-1.8	19.7	19.1	18.8	21.7	94	+ 7	6.6	+1.0	5.3	0	0	30	00	17	0	2	0	11	0	0	0	0
	1730	1313	1463.2	865.1	+0.3	19.9	19.2	18.9	21.8	95	+ 4	5.8	+0.2	5.4	0	0	29	02	12	0	1	0	14	0	0	1	0
ABU	0830	1195	1464.1	877.1	-1.0	20.1	18.8	18.1	20.8	89	+ 6	5.0	+0.6	1.3	0	0	10	00	0	0	0	5	5	0	0	20	0
	1730	1195	1463.4	876.6	+0.3	22.0	19.4	17.8	20.4	80	+ 4	4.4	-0.5	2.3	0	0	11	00	0	0	0	5	6	0	0	19	0
AIJAL	0830		(R)																								
	1730		(R)																								
PACHMARHI	0830	1075	1475.5	890.5	-0.2	21.2	19.2	18.1	20.8	84	- 2	6.0	+0.0	3.9	0	0	27	02	3	3	0	0	0	6	13	3	0
	1730	1075	1455.6	888.2	+0.1	22.9	19.9	18.1	21.0	77	- 5	6.2	+0.0	4.2	0	0	29	00	6	1	0	0	0	7	15	1	0
MAHABALESHWAR	0830	1382	1490.0	861.1	+0.0	17.1	17.1	17.1	19.5	100	+ 4	8.0	+0.5	13.2	0	6	24	01	3	0	1	0	21	0	4	0	0
	1730	1382	1475.0	859.4	+0.2	18.0	18.0	18.0	20.6	100	+ 2	8.0	+0.4	11.8	0	3	27	00	0	0	0	0	16	0	14	0	0
MERCARA	0830	1152	1499.5	885.3	+0.4	18.5	17.4	16.8	19.0	90	- 4	7.0	+1.1	11.5	0	2	28	00	0	0	0	0	1	16	12	0	1
	1730	1152	1480.0	883.2	+0.3	20.8	19.2	18.2	21.0	85	- 6	6.8	+0.9	12.1	0	2	28	00	0	0	0	0	1	17	12	0	0
OOTACAMUND	0830	2249	1509.1	779.6	+0.8	13.0	11.6	10.5	12.8	84	- 4	4.3	-0.7	2.0	0	0	14	00	0	0	0	0	3	11	0	16	0
	1730	2249	1475.7	777.2	+0.2	15.7	13.7	12.5	14.3	82	- 3	5.1	-1.4	1.6	0	0	14	01	0	0	0	0	1	12	0	16	0
COONOOR	0830	1747	..	..	..	19.6	15.4	12.7	14.8	65	- 5	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KODAIKANAL	0830	2343	3149.7	771.1	+0.4	14.3	12.1	10.4	12.9	78	- 1	5.5	+0.5	4.7	0	0	26	03	0	0	1	3	3	3	13	4	0
	1130	2343	3156.0	771.0	..	16.7	14.3	12.7	14.8	77	..	7.1	..	5.9	0	0	27	04	5	1	5	2	0	0	10	3	0
	1730	2343	3131.2	769.3	+0.4	14.7	13.6	12.9	14.9	89	- 1	7.3	+0.2	5.1	0	0	24	02	1	0	10	3	0	2	6	6	0
NEPAL																											
KATMANDU	0830	1324	1471.7	864.8	-1.9	21.5	19.8	18.9	21.8	85	+ 2	4.9	-1.1	0.1	0	0	1	00	0	1	0	0	0	0	0	29	0
	1130	1324	1466.5	864.1	..	25.3	21.1	19.0	22.1	69	..	4.8	..	0.4	0	0	3	01	0	1	0	0	0	0	1	27	0
	1730	1324	1442.7	861.8	-2.1	22.7	20.5	19.4	22.6	82	+ 0	5.6	-0.2	0.7	0	0	6	02	0	0	0	2	0	0	2	24	0
SIKKIM																											
LACHEN	0830		(R)																								
HYDROMETEOROLOGICAL OBSERVATORIES																											
TILAIYA	0830		..	..	..	27.0	24.3	23.1	28.8	80	..	6.0	..	7.5	0	1	29	02	2	5	6	1	2	8	4	0	0
	1730		..	..	..	27.8	24.4	22.8	27.7	75	..	6.2	..	5.7	0	0	29	02	3	6	2	2	0	10	4	1	0
HAZARIBAGH	0830	6154	1003.3	936.2	..	25.2	23.3	22.5	27.3	86	..	4.4	..	4.6	0	0	22	00	1	6	3	0	2	3	7	8	0
	1730	6154	1000.7	933.7	..	25.6	23.7	22.9	27.9	86	..	5.1	..	2.6	0	0	15	00	1	5	1	0	0	5	2	15	0
KONAR	0830		..	..	..	25.8	24.4	23.7	29.3	87	..	1.5	..	3.8	0	0	30	00	4	0	8	0	1	5	12	0	0
	1730		..	..	..	27.9	25.4	24.3	30.4	81	..	1.3	..	4.1	0	0	30	00	5	4	5	0	0	10	6	0	0
BOKARO	0830	2420	1002.9	976.1	..	27.7	26.0	25.2	32.1	87	..	3.7	..	4.3	0	0	23	02	1	5	4	2	2	3	4	7	0
	1730	2420	998.4	971.7	..	28.1	25.9	25.0	31.7	83	..	3.9	..	3.6	0	0	24	01	1	6	6	0	3	2	5	6	0
MAITHON	0830		..	..	..	29.1	26.4	25.3	32.2	81	..	5.9	..	3.0	0	0	30	01	5	0	6	6	6	2	4	0	0
	1730		..	..	..	29.0	26.2	25.0	31.7	80	..	5.5	..	3.1	0	0	30	00	10	0	12	0	8	0	0	0	0
RAMGARH	0830		..	..	..	27.7	24.8	23.5	28.9	78	..	5.0	..	6.3	0	0	30	00	1	4	8	0	7	7	3	0	0
	1730		..	..	..	28.2	25.3	24.0	29.8	79	..	5.0	..	5.7	0	0	27	02	0	3	8	0	7	4	3	3	0
PANCHET HILLS	0830		..	..	..	28.5	26.5	25.6	32.8	85	..	5.0	..	1.5	0	0	16	00	5	0	8	0	2	0	1	14	
	1730		..	..	..	28.1	26.0	25.1	31.9	84	..	6.3	..	1.1	0	0	11	00	4	0	7	0	0	0	0	19	0
DURGAPUR	0830		..	..	..	28.1	26.0	25.1	31.9	84	..	6.4	..	5.2	0	0	29	02	3	5	4	6	2	0	7	1	0
	1730		..	..	..	28.3	25.9	24.9	31.5	82	..	6.9	..	5.3	0	0	28	05	1	1	6	10	2	0	3	2	0
MAHANADI CATCHMENT																											
GINABAHAR	0830		..	..	..	26.2	23.9	23.0	27.9	83	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	1005.0	987.2	..	27.5	25.5	24.6	30.9	83	..	4.8	..	3.9	0	0	26	00	0	2	1	2	8	11	2	4	0
	1130	159	1004.2	986.5	..	29.6	26.1	24.7	31.1	75	..	4.9	..	4.5	0	0	24	02	0	0	1	1	5	14	1	6	0
	1730	159	1001.8	984.1	..	28.3	25.5	24.3	30.4	80	..	5.9	..	3.1	0	0	17	00	0	2	0	2	3	8	2	13	0
BHIMKUND	0830		..	..	..	26.5	24.5	23.6	29.1	84	..	6.5	..	1.6	0	0	9	00	2	0	1	0	2	0	4	13	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - -SEPTEMBER,1967BHADRA 10 - ASVINA 8,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.: At mean sea level or lat. in gram. of normal standard isobaric level	Mean pressure in mb.: At station level	Mean pressure in mb.: Departure from normal	Mean temperature in °C: Dry Bulb	Mean temperature in °C: Wet Bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 42 or more	20 to 41	1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MAHANADI CATCHMENT (CONTD)																											
BHIMKUND. (CONTD.)	1730		..	..	..	26.4	24.5	23.7	29.3	84	..	7.4	..	0.9	0	0	5	00	0	0	2	0	1	0	2	16	0
SONEPUR	0830		..	..	..	27.5	25.4	24.4	30.5	84	..	6.9	..	5.8	0	0	21	00	0	1	0	0	0	20	0	9	0
KHIJRAWAN	0830		..	..	..	25.6	23.6	22.6	27.4	84	..	5.2	..	8.1	0	1	28	00	3	2	2	3	12	6	1	1	0
	1730		..	..	..	27.6	24.0	22.7	27.6	79	..	6.2	..	6.1	0	0	27	03	0	2	2	2	7	6	5	3	0
NARMADA CATCHMENT																											
BAGRA TAWA	0830		..	..	..	24.7	22.7	21.7	25.9	84	..	5.4	..	10.8	0	1	26	00	2	0	0	2	13	10	0	3	0
	1730		..	..	..	27.6	23.5	21.3	25.3	71	..	5.7	..	9.4	0	1	23	02	1	1	1	1	9	8	1	6	0
PUNASA	0830		..	..	..	25.2	22.9	21.7	25.9	81	..	.	..	6.2	0	2	26	00	4	0	0	0	22	2	0	2	0
	1730		..	..	..	28.2	25.5	24.2	30.4	79	..	.	..	5.3	0	1	28	00	4	0	0	0	25	0	0	1	0
THIKRI	0830		..	..	..	27.9	24.3	22.5	27.4	73	..	3.6	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																											
DAROI	0830		..	..	..	25.9	23.5	22.3	26.9	81	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	24.5	24.3	21.7	26.1	63	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GANDAKI CATCHMENT																											
JAMOSOM	0830	2800	..	..	..	17.4	13.0	10.3	12.6	64	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	2800	..	..	..	17.7	12.9	9.9	12.2	60	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	0830	823	..	..	..	23.6	21.1	19.9	23.3	80	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	823	..	..	..	24.8	22.4	21.3	25.3	81	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830	1676	..	..	..	17.9	16.6	15.9	18.1	88	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1676	..	..	..	20.6	18.1	16.8	19.1	79	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
POKHARA	0830	918	..	..	..	23.9	21.6	20.5	24.2	82	..	4.7	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1130	918	..	..	..	26.9	23.0	21.1	25.1	71	..	4.3	..	0.4	0	0	6	00	0	0	5	1	0	0	0	24	0
	1730	918	..	..	..	25.3	22.7	21.5	25.6	79	..	5.2	..	0.5	0	0	5	03	0	0	1	0	1	0	0	25	0
GORKHA	0830	1135	..	..	..	22.1	20.9	20.3	23.9	90	..	5.9	..	..	.	..	..	04	1	2	2	3	4	2	1	11	0
	1130	1135	..	..	..	25.1	22.2	20.7	24.5	77	..	4.2	..	..	.	..	..	01	4	0	2	6	12	4	0	1	0
	1730	1135	..	..	..	24.2	21.4	20.0	23.4	78	..	3.8	..	..	.	..	..	01	2	1	3	7	4	4	1	7	0
NUWAKOT	0830	970	..	..	..	23.0	21.7	21.1	25.0	89	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	970	..	..	..	24.0	21.7	20.5	24.2	81	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT(TRANS																											
DAILEKH	0830	1304	..	..	..	21.3	19.8	19.0	22.1	88	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1304	..	..	..	22.5	21.0	20.3	23.9	88	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT																											
SALLYANA	0830	1457	..	..	..	21.6	19.7	18.8	21.7	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1457	..	..	..	21.0	19.5	18.8	21.7	87	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BUTWAL	0830	263	..	..	..	27.8	24.7	23.3	28.7	78	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	263	..	..	..	29.0	25.8	24.4	30.6	77	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BAGHMATI CATCHMENT																											
KATMANDU	0830		SER UNDER NEPAL																								
	1130																										
	1730																										
KOSI CATCHMENT																											
CHAUTARA	0830	1676	(R)																								
	1730	1676	(R)																								
WALUNGCHUNG GOLA	0830	3048	..	..	..	13.1	10.7	9.1	11.6	77	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	3048	..	..	..	11.4	10.7	10.2	12.5	93	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHOK	0830	1372	..	..	..	21.1	19.0	17.8	20.5	82	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1372	..	..	..	21.[illegible]	19.4	18.3	21.1	83	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BHOJPUR	0830	1524	..	..	..	20.4	18.8	18.0	20.7	87	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1524	..	..	..	19.5	18.7	18.3	21.1	93	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLEJUNG	0830	1768	..	..	..	19.3	17.9	17.2	19.6	88	..	5.6	..	0.8	0	0	11	01	1	0	0	1	0	1	7	19	0
	1130	1768	..	..	..	21.9	19.3	18.1	20.8	79	..	6.1	..	5.4	0	0	26	00	0	3	3	3	3	6	5	4	3
	1730	1768	..	..	..	20.4	18.3	17.3	19.7	83	..	6.2	..	5.6	0	0	16	00	3	0	3	8	2	0	0	13	0
OKHALDHUNGA	0830	2103	..	..	..	19.1	18.0	17.5	20.0	91	..	5.6	..	0.8	0	0	9	00	1	1	2	0	1	3	1	21	0
	1130	2103	..	..	..	[illegible]	19.2	18.2	20.9	83	..	5.9	..	1.0	0	0	8	01	1	1	0	1	0	4	0	22	0
	1730	2103	..	..	..	18.8	17.8	17.3	19.8	91	..	6.5	..	2.2	0	0	16	00	2	0	1	0	0	13	0	14	0
CHAINPUR	0830	1329	..	..	..	21.6	20.1	19.3	22.5	87	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1329	..	..	..	22.3	20.6	19.8	23.1	86	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ANGBUNG	0830	1219	..	..	..	24.2	21.3	20.0	23.4	78	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1219	..	..	..	24.5	21.6	20.2	23.8	78	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BARAHAKSHETRA	0830	146	1005.3	988.9	..	26.4	24.7	23.9	30.1	86	..	5.0	..	1.5	0	0	21	00	5	0	2	0	5	1	8	9	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – SEPTEMBER,1967BHADRA 10 - ASVINA 8,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KOSI CATCHMENT (CONTD.)																											
BARAHAKSHETRA (CONTD.)	1130	146	1004.3	988.1	..	28.9	25.7	24.3	30.4	77	..	5.8	..	3.6	0	0	26	00	0	2	0	3	8	13	0	4	0
	1730	146	1001.7	985.5	..	27.5	25.6	24.8	31.3	85	..	5.2	..	0.7	0	0	11	00	2	1	1	0	2	4	1	19	0
TISTA CATCHMENT.																											
GANGTUK	0830	1812	1476.2	817.7	..	18.4	17.3	16.7	19.0	90	..	6.5	..	0.9	0	0	10	05	2	0	0	1	2	0	0	20	0
	1130	1812	1468.5	817.3	..	21.0	19.0	18.0	20.8	84	..	6.6	..	3.6	0	0	23	01	0	0	1	9	11	1	0	7	0
	1730	1812	1447.5	815.2	..	20.2	18.5	17.7	20.2	85	..	7.2	..	1.5	0	0	9	00	1	0	2	6	0	0	0	21	0
GEZING	0830	1324	..	..	..	20.0	19.2	18.8	21.7	93	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1324	..	..	..	21.0	19.4	18.6	21.4	86	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

MONTHLY MEANS OF UPPER WINDS

During the month, observations of velocity and direction of upper winds were made at 5 stations in India. Out of these, at 39 stations all the observations were taken by means of ilot balloons and at 16 stations some observations were made by means of pilot balloons while ne other observations by the radiowind method. In the case of Bangalore, the observations were aken by following radiosonde balloon by means of an optical theodolite. Particulars of these tations, their co-ordinates and the approximate times of the regular pilot balloon and rawin scents at each station are given in the table overleaf. All radiowind ascents have been indicated y means of an asterisk (*) against the scheduled hours.

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

Data upto 9.0 km. above mean sea level are given under Table IV and data above 9.0 km. bove mean sea level under Table V.

In Tables IV and V :

N = represents the number of observations;

S = represents the mean wind speed in metres per second irrespective of direction;

V = represents the resultant mean velocity in metres per second;

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

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

Surface, 0.15 km. a.g., 0.3, 0.6, 0.9, 1.5, 2.1, 3.0, 3.6, 4.5, 5.4, 6.0, 7.2, 9.0, 10.5, 2.0, 14.1, 16.2, 18.0, 21.0, 24.0, 27.0, 30.0, 33.0, and 36.0 km. above mean sea level. Of these he levels 1.5, 3.0, 5.4,7.2, 9.0, 12.0, 14.1, 16.2, 18.0, 21.0, 24.0, 27.0 and 30 km. above ean sea level are considered as the best approximations to the standard pressure levels 850, 00, 500, 400, 300, 200, 150, 100, 70, 50, 30, 20 and 10 mb. respectively.

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS IN INDIA

S.No.	Station	Latitude ° ' N	Longitude ° ' E	Height of anemometer head a.m.s.l. in metres	Date of opening	Approximate times of flight (I.S.T.			
1.	Agartala	23 53	91 15	17	28th Nov. 1951	0530		1730	2330
2.	Ahmadabad	23 04	72 38	61	19th May. 1928	0530*	1130	1730*	2330
3.	Allahabad/Bamhrauli	25 27	81 44	103	28th Feb. 1930	0530		1730	2330
4.	Ambala	30 23	76 46	279	1st Apr. 1941	0530	1130	1730	2330
5.	Amini	11 07	72 44	14	15th May. 1965	0530		1730	2330
6.	Anantapur	14 41	77 37	365	12th Feb. 1946	0530		1730	2330
7.	Asansol	23 41	86 59	135	29th May. 1942	0530		1730	2330
8.	Aurangabad/Chikalthan	19 51	75 24	583	7th Oct. 1951	0530		1730	2330
9.	Bahraich	27 34	81 36	134	1st Oct. 1961	0530	1130	1730	
10.	Bangalore	12 58	77 35	936	19th May. 1915	0530@	1130	1730@	2330
11.	Bareilly	28 22	79 24	181	12th Jan. 1943	0530		1730	
12.	Begumpet	17 27	78 28	543	1st Sep. 1929	0530		1730	2330
13.	Bhagalpur	25 14	86 57	61	19th May. 1950	0530		1730	
14.	Bhopal/Bairagarh	23 17	77 21	532	26th Feb. 1943	0530		1730	2330
15.	Bhubaneshwar	20 15	85 50	54	5th Dec. 1942	0530		1730	2330
16.	Bhuj/Rudramata	23 15	69 48	90	14th Sep. 1937	0530		1730	2330
17.	Bikaner	28 00	73 18	229	18th Oct. 1946	0530		1730	2330
18.	Bombay/Santa Cruz	19 07	72 51	27	14th May. 1933	0530*	1130	1730*	2330
19.	Calcutta/Dum Dum	22 39	88 27	13	14th May. 1921	0530*	1130	1730*	2330
20.	Cochin/Willingdon +	09 56	76 14	13	16th Mar. 1942	0530		1730	2330
21.	Dehra Dun	30 19	78 03	692	1st Oct. 1958	0530		1730	
22.	Dibrugarh/Mohanbari	27 29	95 01	112	1st Jun. 1943	0530	1130	1730	2330
23.	Gadag	15 25	75 38	650	3rd May. 1943	0530		1730	2330
24.	Gangtok	27 20	88 16	1764	1st May. 1963	0530		1730	
25.	Gauhati	26 05	91 43	55	12th Mar. 1955	0530*	1130	1730*	2330
26.	Gaya	24 45	84 57	119	19th Mar. 1937	0530		1730	2330
27.	Goa/Dabolim	15 23	73 49	228	Jul. 1965	0530		1730	2330
28.	Gopalpur	19 16	84 53	24	15th Feb. 1946	0530		1730	2330
29.	Gorakhpur	26 45	83 22	83	5th Jan. 1943	0530		1730	
30.	Gwalior	26 14	78 15	208	7th May. 1938	0530	1130	1730	2330
31.	Imphal/Tulihal	24 46	93 54	782	8th Mar. 1952	0530	1130	1730	2330
32.	Jabalpur	23 10	79 57	402	30th Jul. 1928	0530		1730	2330
33.	Jagdalpur	19 05	82 02	562	25th Mar. 1948	0530		1730	2330
34.	Jaipur/Sanganer	26 49	75 48	483	6th Jun. 1953	0530		1730	2330
35.	Jamshedpur	22 49	86 11	144	23rd Jul. 1942	0530		1730	
36.	Jharsuguda	21 55	84 05	240	1st May. 1944	0530		1730	2330
37.	Jodhpur	26 18	73 01	229	15th Oct. 1934	0530*	1130	1730*	2330
38.	Lucknow/Amausi	26 45	80 53	133	20th Nov. 1950	0530*	1130	1730*	2330
39.	Madras/Minambakkam	13 00	80 11	29	8th Apr. 1926	0530*	1130	1730*	2330
40.	Mangalore/Bajpe	12 55	74 53	104	25th May. 1959	0530		1730	2330
41.	Minicoy	08 18	73 00	15	14th Apr. 1941	0530	1130	1730*	2330
42.	Nagpur/Sonegaon	21 06	79 03	316	23rd Apr. 1943	0530*	1130	1730*	2330
43.	New Delhi/Safdarjung	28 35	77 12	227	20th Oct. 1936	0530*	1130	1730*	2330
44.	Poona	18 32	73 51	593	5th Jan. 1925	0530		1730	2330
45.	Port Blair	11 40	92 43	95	29th Oct. 1945	0530*	1130	1730*	2330
46.	Raipur	21 14	81 39	308	15th Jul. 1944	0530		1730	2330
47.	Raxaul	26 59	84 51	83	28th Oct. 1957	0530		1730	
48.	Srinagar	34 05	74 48	1595	1st Aug. 1962	0530*		1730*	
49.	Tiruchchirappalli	10 46	78 43	96	22nd Jun. 1936	0530		1730	2330
50.	Trivandrum	08 29	76 57	73	8th Dec. 1928	0530*	1130	1730*	2330
51.	Udaipur	24 35	73 42	587	24th Jun. 1947	0530		1730	2330
52.	Vengurla	15 52	73 38	8	22nd Nov. 1941	0530		1730	2330
53.	Veraval	20 54	70 22	17	13th Oct. 1941	0530		1730	2330
54.	Vijaywada/Gannavaram	16 32	80 48	32	8th Apr. 1942	0530		1730	2330
55.	Vishakhapatnam	17 43	83 14	10	24th Sep. 1928	0530*	1130	1730*	2330

* Radio wind ascents.

@ Radiosonde ascents followed by optical theodolite.

\+ Naval Meteorological Office.

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

SEPTEMBER, 1967. (BHADRA 10 - ASVINA 8, 1989 SAKA)

STATION	AGARTALA												AHMADABAD											
TIME IN I.S.T.	0530				1730				2330				0530*				1130				1730*			
T IN Km.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
RFACE	30	01.6	01.5	140	30	01.7	00.7	188	30	01.7	01.2	151	30	01.7	01.5	250	30	01.8	01.1	265	30	01.9	01.5	283
.15 A.G.L.	28	06.8	05.9	153	29	04.5	03.0	167	28	07.0	05.9	164	29	07.0	04.9	281	30	04.4	03.0	260	30	04.8	03.1	281
.3A.M.S.L.	28	07.9	06.7	165	29	05.5	04.1	171	28	08.1	06.9	174	29	07.1	05.0	282	30	04.5	03.0	264	30	05.2	03.5	279
.6 ,,	28	08.9	06.9	169	29	07.3	05.9	176	28	08.8	07.7	178	29	07.6	05.6	287	29	04.5	03.2	270	30	05.9	04.3	277
.9 ,,	27	08.6	06.0	172	29	08.0	06.7	179	28	08.2	07.1	182	29	08.0	05.4	288	23	04.4	02.7	273	30	06.4	04.9	276
.5 ,,	25	06.8	03.7	176	27	07.9	06.5	184	27	06.5	05.0	182	29	06.6	03.7	271	16	05.7	01.7	257	29	07.2	05.5	279
.1 ,,	20	06.7	03.1	172	26	07.2	05.5	179	23	06.5	04.7	177	29	06.2	01.9	267	13	05.1	02.4	120	29	06.7	04.5	282
.0 ,,	19	06.6	02.7	186	19	06.7	04.0	175	15	04.1	02.5	192	29	05.8	00.8	340	12	04.4	02.7	103	29	06.2	02.0	322
.6 ,,	12	05.6	01.5	196	10	06.6	01.2	197	01	04.0	04.0	240	29	06.0	02.2	028	11	03.6	02.4	089	29	06.0	01.7	338
.5 ,,	08	05.0	02.1	246	07	06.0	02.5	293					28	04.9	02.2	003	11	03.2	00.8	116	28	05.5	01.7	317
.4 ,,	05	06.4	02.8	156	07	07.1	03.5	299					28	04.4	01.7	001	11	03.5	01.8	126	28	04.8	01.7	321
.0 ,,	03	08.3	01.7	069	06	06.5	01.5	334					28	03.9	01.1	023	11	03.6	01.5	138	28	04.5	00.8	342
.2 ,,	03	04.7	00.2	345	03	07.0	01.4	232					27	04.5	01.5	057	10	03.6	00.9	210	27	04.2	00.8	037
.0 ,,	03	04.3	01.0	180									27	05.0	01.5	097	08	03.9	02.3	275	25	05.3	02.3	263

STATION	AHMADABAD				ALLAHABAD/BAMHRAULI												AMBALA							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1130			
T IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
RFACE	30	00.2	00.0	270	30	00.5	00.2	079	30	00.7	00.4	266	30	00.2	00.0	270	30	00.4	00.2	335	30	00.6	00.2	135
.15 A.G.L.	27	03.7	01.3	247	28	04.6	01.5	290	29	04.2	02.0	299	27	03.7	01.3	247	29	04.4	00.3	294	29	03.4	00.5	150
.3A.M.S.L.	27	04.1	01.3	264	28	05.0	01.8	300	29	04.4	01.9	298	27	04.1	01.3	264	29	02.6	00.4	328	29	02.0	00.0	220
.6 ,,	27	04.0	01.4	291	28	05.6	02.2	328	29	04.8	01.8	302	27	04.0	01.4	291	29	05.4	00.7	312	29	04.0	00.2	138
.9 ,,	27	04.6	01.3	310	28	06.0	02.3	340	28	04.8	02.0	309	27	04.6	01.3	310	29	06.7	01.4	312	29	04.6	01.3	316
.5 ,,	26	05.0	01.3	303	23	06.6	03.0	324	26	06.2	02.6	320	26	05.0	01.3	303	29	05.4	02.4	342	26	05.2	03.2	321
.1 ,,	23	05.1	02.2	289	22	06.5	03.1	339	26	06.2	02.2	334	23	05.1	02.2	289	25	06.0	04.1	329	24	05.3	03.1	325
.0 ,,	19	04.9	01.0	270	15	06.7	05.0	303	23	06.2	02.6	335	19	04.9	01.0	270	16	08.1	07.2	317	16	08.0	05.9	316
.6 ,,	05	03.0	02.5	079	13	06.7	04.6	294	21	05.7	01.3	319	05	03.0	02.5	077	14	07.8	06.7	316	15	08.2	07.0	308
.5 ,,					10	06.7	05.3	279	16	05.5	03.1	279					14	09.0	07.5	319	13	08.0	07.4	321
.4 ,,					08	05.5	04.9	270	06	05.3	02.6	276					13	09.9	08.8	306	12	09.1	07.9	310
.0 ,,					06	04.7	03.6	261	06	06.0	03.5	265					13	11.0	09.9	304	12	10.3	09.1	307
.2 ,,					04	04.3	03.4	270	02	09.0	08.8	275					06	12.3	09.8	312	04	09.0	07.7	283
.0 ,,					01	06.0	06.0	280													02	06.0	03.7	253

STATION	AMBALA								AMINI												ANANTAPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
T IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
RFACE	30	00.8	00.4	294	30	00.9	00.2	334	30	05.0	04.4	297	30	05.3	04.7	297	30	05.8	05.3	300	30	01.5	01.3	265
.15 A.G.L.	30	04.6	02.4	293	30	05.8	01.6	319	30	05.7	05.2	298	30	05.3	04.8	295	30	05.5	05.1	301	26	07.0	06.6	261
.3A.M.S.L.	30	02.5	01.5	292	30	02.8	01.0	327	30	05.7	05.3	298	30	06.1	05.6	295	30	05.7	05.3	302				
.6 ,,	30	05.4	02.7	299	30	05.3	01.9	329	30	06.7	06.1	298	30	06.8	06.4	297	30	06.4	06.0	301	26	08.0	07.6	265
.9 ,,	30	05.6	03.9	297	30	05.3	02.2	328	28	07.1	04.7	297	30	07.2	06.8	299	30	07.1	06.6	299	26	10.3	09.7	278
.5 ,,	29	06.5	03.9	308	29	06.1	03.9	310	27	07.4	07.0	291	29	07.5	07.1	292	29	07.4	07.0	293	25	10.7	09.9	285
.1 ,,	23	08.0	05.8	323	23	07.0	04.6	307	23	06.3	05.9	285	28	06.6	06.2	288	26	06.6	05.9	290	23	07.3	06.9	284
.0 ,,	14	10.7	10.2	322	12	06.4	04.3	325	19	05.5	04.7	270	22	07.0	06.1	276	23	06.6	05.9	280	20	06.1	05.3	267
.6 ,,	13	10.4	09.3	313	01	07.0	07.0	316	16	06.9	06.2	264	16	06.7	06.0	275	17	05.9	05.4	278	16	05.7	03.7	270
.5 ,,	13	09.7	09.1	320	01	10.0	10.0	335	09	05.5	04.7	293	11	05.7	05.2	275	08	04.0	03.4	300	12	06.6	03.9	262
.4 ,,	13	09.8	08.7	316					08	04.6	01.9	228	10	03.3	01.0	291	03	04.0	01.2	090	09	05.4	03.8	270
.0 ,,	12	09.5	09.2	311					07	04.4	02.8	068	10	04.1	01.2	074	02	04.5	03.3	106	06	03.7	02.6	252
.2 ,,	01	19.0	19.0	340					06	05.3	04.2	308	07	05.0	04.4	109					03	03.7	03.3	051
.0 ,,									06	09.3	09.2	095	05	08.0	07.6	102					02	09.0	09.0	072

STATION	ANANTAPUR								ASANSOL												AURANGABAD/CHIKALTHAN			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
T IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
RFACE	30	02.7	02.4	286	30	03.7	03.5	263	30	00.9	00.4	110	30	00.9	00.6	087	30	01.0	00.4	139	30	03.9	03.8	274
.15 A.G.L.	30	06.2	05.3	281	27	09.0	08.7	263	27	04.5	00.3	298	28	04.5	02.2	104	25	04.6	01.7	151	30	07.0	06.4	279
.3A.M.S.L.									27	04.7	00.2	334	28	04.6	02.2	101	25	04.6	01.8	158				
.6 ,,	30	06.5	06.1	277	27	09.5	09.3	265	27	05.0	00.4	339	27	05.0	01.9	098	24	05.3	01.5	162				
.9 ,,	30	06.3	06.0	276	27	10.1	09.9	271	26	05.4	01.1	319	27	05.5	01.6	087	24	04.9	00.8	158	30	09.5	08.3	288
.5 ,,	30	07.1	06.9	276	26	07.4	07.0	279	24	06.1	01.5	307	25	05.6	01.2	039	22	05.0	00.1	040	30	10.8	07.2	303
.1 ,,	27	06.8	06.0	278	24	05.1	04.5	288	21	06.3	01.5	311	24	05.9	00.7	358	21	05.5	00.9	006	30	08.3	03.8	319
.0 ,,	16	06.3	05.8	269	20	05.5	04.1	290	16	05.6	03.4	263	18	05.7	00.6	085	16	05.3	00.4	141	28	07.3	01.0	333
.6 ,,	12	05.8	04.4	280	09	05.4	03.2	273	11	04.7	02.9	237	16	05.5	00.8	131	07	04.9	02.9	120	25	06.2	01.6	023
.5 ,,	06	04.3	01.4	200	02	06.5	02.7	245	08	03.9	01.9	244	11	05.1	00.3	233	03	06.7	02.3	123	18	04.2	00.2	353
.4 ,,	06	03.3	01.3	089					07	03.7	01.0	241	07	04.7	02.0	289					11	04.1	01.3	087
.0 ,,	05	02.8	01.2	121					07	03.3	00.5	156	04	04.7	01.8	035					08	04.9	03.5	074
.2 ,,	03	04.0	03.9	099					06	03.8	02.9	122	02	07.5	04.0	019					05	03.2	02.7	013
.0 ,,									03	07.0	05.9	120												

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

SEPTEMBER, 1967. (BHADRA 10 - ASVINA 8, 1889 SAKA)

STATION	AURANGABAD/CHIKALTHAN								BAHRAICH								BANGALORE			
TIME IN I.S.T.	1730				2330				0530				1130				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	05.5	04.0	298	30	03.8	03.5	280	30	00.9	00.7	094	30	01.4	00.5	148	30	01.2	00.3	179
.15 A.G.L.	30	07.5	05.6	309	28	07.4	06.3	282	20	03.9	01.7	137	24	03.3	01.5	152	26	03.6	01.6	259
.3A.M.S.L.									20	03.9	01.3	140	24	03.3	01.5	152	26	03.6	01.5	255
.6 ,,									20	04.3	00.7	196	24	03.3	01.3	138	26	04.0	00.9	243
.9 ,,	30	07.9	05.7	314	26	08.6	06.6	291	20	04.4	00.4	212	22	04.3	01.5	132	26	04.2	00.9	220
1.5 ,,	29	08.3	05.5	303	28	10.6	06.5	297	17	05.0	01.5	255	09	06.5	01.7	079	22	04.2	01.7	259
2.1 ,,	28	08.6	05.2	304	28	08.2	03.7	302	10	05.3	01.3	226	05	04.8	00.8	191	15	04.0	01.7	280
3.0 ,,	21	08.0	03.9	283	24	07.3	02.5	329	04	04.2	02.7	314	02	03.5	02.7	296	08	04.0	00.8	304
3.6 ,,	16	08.1	04.8	285	22	05.5	02.3	314	04	04.5	02.0	297	01	04.0	04.0	021	05	03.0	02.2	020
4.5 ,,	10	06.0	03.7	283	19	03.8	01.8	325	02	04.0	04.0	148	01	02.0	02.0	255	04	05.5	01.9	314
5.4 ,,	08	04.9	01.7	332	16	04.4	02.0	008	02	05.0	03.5	227	01	07.0	07.0	260	03	08.3	07.7	274
6.0 ,,	04	04.3	02.1	091	09	04.3	00.6	014	02	05.5	04.2	237	01	11.0	11.0	290	02	09.5	09.4	291
7.2 ,,	02	04.0	02.1	020	06	03.2	02.4	102	01	01.0	01.0	267								
9.0 ,,																				

STATION	BANGALORE								BAREILLY								BEGAMPET			
TIME IN I.S.T.	1130				1730 @				2330				0530				1730				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	03.6	03.3	277	30	03.9	03.1	272	30	03.0	02.5	266	30	01.0	00.3	050	30	01.1	00.7	302	30	05.6	04.9	285
.15 A.G.L.	30	05.5	05.0	272	29	06.3	05.5	271	26	08.0	07.2	268	26	04.6	01.0	329	28	04.6	01.9	295	30	07.4	06.0	285
.3A.M.S.L.													26	04.5	01.1	328	28	04.4	01.8	292				
.6 ,,													26	05.5	01.1	318	28	05.2	02.0	285	30	07.4	06.0	285
.9 ,,													25	05.4	01.3	298	28	05.9	02.1	284	30	08.0	06.3	286
1.5 ,,	28	06.5	05.8	278	29	06.4	05.8	273	26	09.9	09.2	276	24	06.6	02.4	319	27	06.4	03.7	290	30	08.2	05.8	305
2.1 ,,	14	04.4	03.7	287	29	06.9	06.6	278	26	07.8	06.8	281	22	08.0	04.4	323	25	06.7	04.0	304	30	07.1	04.2	303
3.0 ,,	07	04.1	03.4	274	27	07.0	06.3	271	25	06.5	04.8	272	18	06.1	03.4	337	18	07.1	03.2	328	30	06.0	03.4	298
3.6 ,,	05	04.2	02.8	280	26	06.8	06.1	271	20	06.3	05.1	274	17	04.9	02.9	321	17	06.2	02.4	347	30	05.9	03.3	294
4.5 ,,	05	03.2	02.0	185	24	06.0	04.9	276	13	06.5	05.3	264	15	03.9	02.1	331	16	05.9	03.1	002	30	05.7	02.6	294
5.4 ,,	04	04.3	01.8	056	21	04.2	02.7	262	08	05.5	03.2	287	14	05.5	03.7	288	15	07.6	04.9	311	30	05.6	02.0	284
6.0 ,,	04	05.5	03.9	065	20	04.3	01.5	268	05	08.0	03.3	312	13	07.7	04.3	264	13	08.8	07.2	288	30	05.6	02.2	278
7.2 ,,	02	07.5	04.8	074	18	05.2	01.1	126	01	05.0	05.0	020	12	11.7	08.4	270	13	13.0	12.0	272	30	05.0	00.3	331
9.0 ,,	01	08.0	08.0	080	11	07.9	06.1	085					08	12.3	11.7	264	08	12.8	11.4	265	30	05.1	02.6	075

STATION	BEGAMPET								BHAGALPUR								BHOPAL/RAIRAGARH			
TIME IN I.S.T.	1130				1730*				2330				0530				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	04.0	03.2	280	30	04.3	03.4	281	30	01.9	01.6	265	30	01.7	01.0	106	30	01.5	00.6	104	30	02.8	02.4	270
.15 A.G.L.	30	06.4	05.1	284	30	05.6	04.0	281	27	05.5	03.9	260	25	06.0	02.1	115	26	05.0	01.9	100	23	06.7	04.4	287
.3A.M.S.L.													25	06.0	01.6	119	26	05.0	01.7	096				
.6 ,,	30	05.9	04.6	281	30	05.6	04.0	281	27	03.8	02.9	257	25	06.0	01.8	111	26	05.7	02.1	100	23	05.4	03.4	282
.9 ,,	30	06.6	05.6	289	30	05.6	04.1	282	27	06.2	04.7	278	25	06.0	02.1	103	26	06.0	02.4	108	22	08.4	05.1	305
1.5 ,,	27	07.5	05.7	302	30	06.5	04.2	290	27	07.5	06.0	297	23	07.8	02.5	088	25	06.5	02.3	111	15	06.1	03.9	342
2.1 ,,	24	06.8	04.4	306	30	07.0	05.0	285	25	08.2	06.8	302	19	07.0	01.2	086	23	06.5	01.7	107	14	05.7	04.3	009
3.0 ,,	21	06.8	02.6	310	30	07.0	05.0	288	22	07.3	06.0	299	03	04.3	03.6	078	16	05.4	00.6	063	12	04.4	03.5	014
3.6 ,,	15	06.7	02.5	296	30	05.5	03.4	285	02	06.5	05.5	270	02	02.0	01.8	073	13	05.7	00.8	336	12	04.2	02.6	015
4.5 ,,	08	05.7	02.4	265	30	06.1	03.7	283					02	02.0	00.9	300	08	07.5	04.7	281	12	03.2	02.1	320
5.4 ,,	07	04.6	02.6	250	30	05.6	02.4	281									03	06.3	05.8	303	12	02.7	01.1	340
6.0 ,,	07	05.1	02.7	257	30	05.7	02.6	283									01	06.0	05.9	279	12	03.0	00.6	001
7.2 ,,	06	06.2	01.6	274	30	04.4	00.9	007													12	03.4	00.6	318
9.0 ,,	04	05.0	03.0	193	30	05.5	04.1	074													12	03.5	00.9	016

STATION	BHOPAL/RAIRAGARH								BHUBANESHWAR								BHUJ/KUDRAMATA			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	03.8	02.2	290	30	02.3	01.4	285	30	02.2	01.3	263	30	03.1	01.6	224	30	02.8	02.1	228	30	02.1	01.6	262
.15 A.G.L.	26	06.0	03.1	292	25	06.5	03.8	290	22	04.6	03.5	272	25	05.2	02.8	205	27	06.6	05.3	228	30	06.4	05.7	265
.3A.M.S.L.									22	05.1	03.7	278	25	05.5	03.0	212	27	07.3	05.5	233	30	06.9	06.2	267
.6 ,,	26	05.7	02.9	290	25	05.8	03.0	288	22	06.3	03.4	281	25	05.4	02.5	223	27	07.9	06.8	242	30	07.9	07.3	267
.9 ,,	26	07.7	04.9	291	25	08.6	05.2	296	22	06.5	04.5	290	24	05.2	02.3	257	24	07.5	04.8	252	27	07.2	06.6	262
1.5 ,,	22	08.0	05.5	312	23	07.8	04.6	302	15	06.5	04.1	283	23	05.2	02.2	306	23	07.1	04.3	270	18	05.3	03.5	220
2.1 ,,	17	06.7	05.0	348	19	06.4	03.1	334	11	04.8	01.7	322	16	05.9	02.4	331	15	05.1	01.6	271	14	04.6	03.5	170
3.0 ,,	15	07.0	05.7	008	19	07.3	03.3	337	09	04.1	01.7	359	11	04.4	00.6	255	10	04.8	01.9	264	10	05.4	03.5	096
3.6 ,,	12	07.3	06.6	046	13	06.5	04.7	030	09	03.9	01.0	015	11	01.5	00.6	100	04	04.3	01.6	344	01	08.0	08.0	018
4.5 ,,	12	05.6	04.0	324					06	04.0	02.7	253	02	03.5	01.4	096								
5.4 ,,	11	04.5	03.2	320					05	05.2	04.8	102	02	04.5	03.6	097								
6.0 ,,	10	03.8	01.0	304					05	06.6	06.2	100	02	05.0	05.0	113								
7.2 ,,	09	03.4	00.9	043					04	07.5	07.5	090	01	03.0	03.0	054								
9.0 ,,	09	03.8	00.2	003																				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

SEPTEMBER, 1967. (BHADRA 30 - ASVINA 8, 1889 SAKA)

STATION	BHUJ/RUDRAMATA								BIKANER								BOMBAY/SANTACRUZ			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	04.2	03.2	234	30	03.3	02.9	251	30	01.0	00.8	237	30	01.6	00.7	213	30	11.3	01.0	199	30	02.0	01.1	250
.15 A.G.L.	30	07.3	06.0	260	30	06.6	05.8	256	29	07.9	06.[illegible]	257	30	05.5	01.8	226	30	09.9	06.9	200	29	04.4	02.8	263
.3A.M.S.L.	30	07.4	06.1	256	30	07.0	06.1	261	29	06.4	04.7	244	30	05.1	01.5	222	30	07.5	05.0	197	29	04.7	03.1	263
.6 ,,	30	07.4	06.3	260	30	07.8	06.9	264	29	10.1	07.9	260	30	05.7	02.3	244	30	10.1	06.4	216	29	05.2	03.6	268
.9 ,,	30	07.4	06.7	257	29	07.0	06.1	258	28	09.7	07.[illegible]	267	29	06.0	02.4	252	29	09.1	05.8	235	29	05.9	03.9	270
1.5 ,,	24	05.8	05.2	256	29	06.0	04.2	236	28	06.5	03.[illegible]	287	29	05.8	02.6	278	29	16.2	03.5	273	29	06.0	02.0	254
2.1 ,,	14	05.1	02.3	215	24	03.7	00.9	194	26	05.8	02.9	297	26	04.9	03.3	307	27	06.3	03.1	331	28	06.6	01.6	259
3.0 ,,	12	05.1	02.1	015	18	04.5	02.4	035	24	05.1	02.5	352	19	07.3	05.6	341	25	16.9	03.6	009	28	05.7	00.3	020
3.6 ,,	07	07.3	05.6	042	05	05.4	04.7	050	21	06.3	03.7	021	13	06.9	05.4	337	07	16.1	05.1	054	27	04.1	01.0	087
4.5 ,,	07	07.7	06.3	035					21	07.7	04.9	011	13	06.9	04.9	341	02	05.5	05.4	014	27	03.5	01.3	070
5.4 ,,	07	06.0	04.5	017					18	06.5	02.[illegible]	002	12	07.5	05.1	332					27	04.1	01.2	046
6.0 ,,	07	06.0	04.5	003					18	07.0	03.3	309	12	08.4	05.6	301					27	04.9	00.6	079
7.2 ,,	01	02.0	02.0	327					16	09.0	06.1	298	04	08.5	07.4	284					27	04.8	02.3	073
9.0 ,,									04	05.5	05.1	272									27	06.2	05.1	085

STATION	BOMBAY/SANTACRUZ												CALCUTTA/DUM DUM							
TIME IN I.S.T.	1130				1730*				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	02.7	02.3	236	30	03.3	02.8	275	30	02.1	00.8	228	30	01.9	01.6	140	30	12.1	01.1	151	30	01.3	00.9	164
.15 A.G.L.	29	05.3	04.5	246	29	05.6	04.3	278	30	04.6	02.4	248	30	06.0	02.1	207	28	04.7	01.7	157	30	05.3	03.2	182
.3A.M.S.L.	29	05.4	04.3	247	29	05.7	04.6	278	30	05.1	02.[illegible]	252	30	06.5	02.4	217	27	14.7	01.3	168	30	05.7	03.3	178
.6 ,,	28	05.7	04.3	250	29	05.5	04.5	278	30	05.5	03.[illegible]	258	30	07.1	02.6	231	27	05.9	01.7	160	30	06.0	03.2	172
.9 ,,	22	06.0	04.0	247	29	05.2	04.3	281	29	05.2	02.3	265	30	06.7	02.2	236	25	05.7	01.9	156	30	06.3	03.1	178
1.5 ,,	09	05.2	02.0	206	29	04.7	03.6	265	25	05.6	01.3	282	30	06.8	01.4	191	11	16.1	02.9	086	30	06.0	02.3	172
2.1 ,,	04	05.3	04.9	238	29	05.2	02.4	255	18	06.2	00.9	006	30	06.0	01.2	180	04	08.2	05.6	054	30	06.0	01.7	180
3.0 ,,	01	05.0	05.0	245	29	05.0	02.6	260	11	03.7	00.8	312	30	05.7	01.3	185	01	10.0	10.0	080	30	05.9	01.8	180
3.6 ,,					29	04.2	02.3	260	07	03.1	00.9	176	30	06.0	01.7	201	01	17.0	07.0	085	30	06.4	01.8	133
4.5 ,,					29	03.8	00.8	189	02	03.0	00.3	159	30	06.2	02.0	154	01	09.0	09.0	080	30	06.6	01.1	105
5.4 ,,					28	04.5	00.8	059	01	07.0	07.[illegible]	250	30	05.9	02.5	158	01	13.0	03.0	056	30	06.5	02.1	117
6.0 ,,					28	05.1	01.1	067	01	05.0	05.0	240	30	06.0	02.6	162	01	05.0	05.0	060	30	05.8	01.1	110
7.2 ,,					26	04.5	02.2	094					29	05.3	02.0	136	01	05.0	05.0	100	30	05.6	02.1	138
9.0 ,,					26	07.0	04.9	107					29	06.0	04.0	121	01	09.0	09.0	135	30	05.9	03.0	110

STATION	CALCUTTA/DUM DUM								COCHIN/WILLINGDON 4								DEHRADUN							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.4	01.0	164	30	00.7	00.2	127	30	03.0	02.7	292	30	00.6	00.3	305	30	00.1	00.1	345	30	00.4	00.3	283
.15 A.G.L.	29	05.8	03.7	185	27	03.4	01.4	014	28	04.7	04.[illegible]	298	25	02.8	02.0	321	28	11.8	00.3	077	28	02.6	01.3	285
.3A.M.S.L.	29	07.2	04.6	185	27	04.1	02.6	323	28	05.8	05.3	300	25	03.7	03.3	311								
.6 ,,	27	08.0	05.3	197	27	05.8	05.0	311	28	08.0	07.[illegible]	306	25	06.2	05.9	305								
.9 ,,	23	06.2	03.4	195	26	07.1	06.5	306	28	08.1	07.9	307	25	07.4	07.1	307	28	11.7	00.4	130	28	02.7	01.6	279
1.5 ,,	21	05.4	01.8	197	23	07.9	07.4	295	28	07.6	06.[illegible]	304	22	06.9	06.6	298	27	02.1	00.4	224	26	03.0	02.7	275
2.1 ,,	18	05.1	00.8	205	20	07.3	06.7	291	26	06.7	05.4	295	18	07.2	06.5	286	26	12.5	00.4	002	21	03.4	01.5	300
3.0 ,,	11	04.5	02.1	142	07	05.3	03.9	292	18	05.8	04.6	295	06	06.0	03.4	281	24	03.7	01.1	355	18	04.2	01.1	315
3.6 ,,	03	01.3	00.7	194	01	03.0	03.0	064	07	03.6	02.6	314					21	03.6	01.2	317	14	03.0	01.7	324
4.5 ,,									03	03.0	01.8	034					18	13.9	01.2	310	12	05.2	02.4	334
5.4 ,,																	16	06.2	03.3	295	11	07.5	06.1	290
6.0 ,,																	14	17.0	04.8	282	10	08.1	05.6	292
7.2 ,,																	12	12.6	11.0	270	08	14.3	12.1	271
9.0 ,,																	09	20.7	19.9	2[illegible]	05	25.4	24.6	269

STATION	DIBRUGARH/MOHANBARI																GADAG							
TIME IN I.S.T.	0530				1130				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.4	00.5	035	30	01.2	00.7	058	30	00.7	00.5	047	30	00.6	00.4	040	30	03.7	03.4	248	30	04.6	04.2	257
.15 A.G.L.	16	03.3	02.0	055	27	02.6	01.3	048	29	03.2	01.8	067	23	02.9	01.8	047	28	17.9	07.4	259	30	07.7	07.4	257
.3A.M.S.L.	16	03.2	02.0	069	27	02.6	01.4	057	29	03.2	01.[illegible]	069	23	02.9	01.6	053								
.6 ,,	16	03.7	02.7	065	26	02.3	00.9	080	29	03.1	01.9	083	23	02.7	01.9	086								
.9 ,,	14	04.1	03.2	068	24	02.5	00.8	097	29	02.7	00.9	077	23	02.7	01.8	105	28	19.6	08.8	275	30	08.3	07.9	260
1.5 ,,	11	04.0	00.5	039	18	03.4	01.4	196	28	03.7	01.9	208	23	03.1	02.0	184	23	09.3	08.5	277	30	08.3	07.9	265
2.1 ,,	10	04.2	01.0	194	13	03.5	02.7	202	25	04.2	03.4	202	20	03.7	02.9	219	18	17.2	05.2	274	23	06.4	06.0	279
3.0 ,,	09	03.4	01.9	173	07	04.9	04.4	201	20	03.9	02.7	202	10	03.2	02.7	207	15	06.7	03.5	257	13	05.0	04.0	290
3.6 ,,	05	02.8	02.2	194	06	04.2	03.4	195	17	03.6	02.8	204	05	04.0	02.2	176	11	05.1	02.0	228	09	05.8	04.0	282
4.5 ,,	04	03.2	01.3	267	03	04.3	02.4	228	16	03.0	01.7	216					08	14.6	02.1	345	03	06.0	05.5	226
5.4 ,,	02	04.0	03.9	188	03	04.0	03.3	210	13	04.4	02.9	227					07	04.7	03.6	001	01	06.0	06.0	255
6.0 ,,	01	04.0	04.0	193	02	04.0	02.9	229	11	05.0	02.9	228					05	14.2	03.4	010	01	05.0	05.0	280
7.2 ,,					01	05.0	05.0	330	08	06.6	03.8	228					04	15.2	04.4	069	01	05.0	05.0	235
9.0 ,,					01	07.0	07.0	275	02	11.0	03.8	195					04	09.7	09.7	087	01	07.0	07.0	110

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

SEPTEMBER, 1967. (BHADRA 10 - ASVINA 8, 1889 SAKA)

STATION	GADAG	GANGTOK		GAUHATI		
TIME IN I.S.T.	2330	0530	1730	0530*	1130	1730*
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	30 04.2 03.9 253	30 00.3 00.2 014	30 00.7 00.5 165	29 00.0 00.0 000	30 01.8 01.1 013	30 00.5 00.1 235
.15 A.G.L.	30 09.1 08.8 258	11 01.4 01.1 341	08 02.5 01.4 170	29 02.4 00.3 200	27 03.6 02.1 030	29 02.6 00.2 303
.3A.M.S.L.				29 02.7 00.1 186	27 03.6 02.1 044	29 02.8 00.3 279
.6 ,,				29 03.1 00.6 041	27 03.3 01.5 059	29 02.9 00.4 324
.9 ,,	30 10.0 09.5 269			29 03.7 00.7 067	25 03.6 01.2 105	29 03.4 00.7 270
1.5 ,,	29 08.3 07.6 277			28 03.5 01.3 174	19 04.0 02.0 173	29 04.4 02.0 216
2.1 ,,	28 05.7 04.3 279	11 01.2 00.8 316	08 02.1 01.6 178	28 03.9 01.2 194	11 04.6 02.8 196	29 04.8 04.1 200
3.0 ,,	24 04.8 02.7 274	11 01.3 00.8 319	05 11.8 00.2 179	28 04.1 01.2 195	04 06.7 04.5 119	29 04.8 02.2 203
3.6 ,,	19 05.4 02.5 277	10 01.8 00.6 300	03 02.0 01.8 337	28 04.5 01.4 206	03 06.0 05.3 103	28 04.9 01.6 205
4.5 ,,	10 05.8 04.0 276	09 02.7 00.7 210	01 03.0 03.0 135	28 05.1 02.2 215	03 06.3 05.5 116	26 05.4 01.3 174
5.4 ,,	05 05.0 02.0 321	08 03.7 02.3 236		28 05.4 01.9 209	01 11.0 11.0 140	26 05.6 01.2 180
6.0 ,,	03 04.3 02.3 027	08 04.0 02.1 228		28 06.4 02.4 210	01 08.0 08.0 125	26 05.9 00.2 160
7.2 ,,		06 05.5 02.2 177		27 06.7 01.8 199	01 08.0 08.0 135	25 06.0 00.5 204
9.0 ,,		05 06.2 02.6 201		25 06.3 01.2 159		23 06.6 01.5 197

STATION	GAUHATI	GAYA			GOA/DABOLIM	
TIME IN I.S.T.	2330	0530	1730	2330	0530	1730
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	30 00.8 00.3 119	30 02.3 00.8 175	30 02.3 00.7 356	30 02.2 00.1 210	30 03.2 00.5 055	30 06.3 05.6 302
.15 A.G.L.	26 02.2 00.4 225	25 03.8 00.5 140	29 04.0 01.8 022	28 04.1 01.0 089	19 04.7 03.2 284	22 06.3 05.4 288
.3A.M.S.L.	26 02.4 00.6 284	25 03.8 00.6 140	29 04.1 01.8 028	28 04.3 00.9 092	19 04.9 04.1 281	22 06.6 05.9 287
.6 ,,	26 02.8 01.1 285	25 04.4 00.5 040	29 04.9 01.6 042	28 04.6 00.9 065	19 06.3 05.7 285	22 07.6 06.9 289
.9 ,,	25 03.1 01.4 254	25 04.8 00.9 005	29 05.6 01.4 037	28 05.2 00.6 084	19 07.0 06.5 284	22 07.9 07.1 291
1.5 ,,	25 04.6 03.3 240	22 05.3 01.5 340	27 05.2 00.5 295	24 06.0 02.1 229	17 07.3 06.8 285	20 08.5 05.6 292
2.1 ,,	24 05.4 04.4 250	21 05.2 00.9 345	24 05.0 01.0 277	22 06.1 01.8 305	15 06.5 06.0 283	18 06.1 05.3 288
3.0 ,,	17 04.3 02.4 234	16 04.9 00.5 268	22 05.5 01.1 312	19 04.8 01.0 348	04 07.3 04.3 250	09 04.3 02.1 302
3.6 ,,	02 06.0 05.0 234	15 05.1 01.6 230	20 04.7 01.0 312	07 04.9 01.1 217	01 05.0 05.0 065	06 05.2 02.4 329
4.5 ,,		13 04.6 02.0 220	19 04.5 01.1 293	01 03.0 03.0 166		04 05.0 01.7 241
5.4 ,,		12 04.3 00.6 140	14 05.5 03.2 307	01 02.0 02.0 097		04 05.0 03.2 292
6.0 ,,		11 04.2 01.5 200	12 04.7 02.3 324			02 05.5 03.5 308
7.2 ,,		03 04.0 02.0 105	09 05.4 02.4 316			01 07.0 07.0 086
9.0 ,,		01 05.0 05.0 255	03 08.0 02.1 058			01 07.0 07.0 065

STATION	GOA/DABOLIM	GOPALPUR			GORAKHPUR	
TIME IN I.S.T.	2330	0530	1730	2330	0530	1730
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	30 04.6 03.3 313	30 02.0 01.4 249	30 04.5 03.4 216	30 02.9 02.3 234	30 01.2 00.7 068	30 00.9 00.3 138
.15 A.G.L.	18 05.4 04.7 295	24 04.3 03.3 253	26 07.3 05.2 211	26 05.5 03.8 240	27 05.3 02.7 095	30 03.6 00.9 147
.3A.M.S.L.	18 05.9 05.2 294	24 04.2 03.2 256	26 06.6 04.9 214	26 05.3 04.0 244	27 05.4 01.3 117	30 03.7 01.2 144
.6 ,,	18 06.8 06.1 296	24 05.1 03.8 275	26 05.8 03.5 221	26 05.3 03.7 254	27 05.4 02.2 121	30 03.9 01.1 119
.9 ,,	18 06.8 06.2 296	24 05.8 04.0 289	26 05.1 02.3 246	26 05.5 03.4 265	23 05.3 02.0 112	30 04.3 00.6 093
1.5 ,,	14 05.9 05.4 286	23 06.4 04.2 304	25 05.8 03.4 295	24 06.2 04.5 283	22 05.4 01.8 086	28 04.9 00.3 271
2.1 ,,	13 06.0 05.2 276	20 06.3 04.6 296	17 06.5 03.2 227	16 04.9 01.8 293	22 04.5 01.0 106	28 05.4 00.4 148
3.0 ,,	07 05.4 03.5 275	04 04.7 01.5 015	09 04.0 02.6 291	06 03.8 01.9 320	20 04.3 01.7 092	25 02.4 01.1 075
3.6 ,,	03 07.0 05.5 268	03 03.7 01.1 117	08 05.6 01.8 306	01 09.0 09.0 299	13 03.1 00.7 128	18 03.3 01.7 327
4.5 ,,		03 04.3 03.6 126	05 04.2 00.7 359	01 19.0 19.0 305	10 05.3 01.4 188	14 04.9 02.3 317
5.4 ,,		02 04.5 04.4 113	04 04.3 01.1 080		07 09.0 03.0 137	11 06.4 02.9 312
6.0 ,,		02 03.5 03.5 110	04 04.6 01.5 088		04 08.7 03.6 348	11 07.7 03.6 294
7.2 ,,		01 06.0 06.0 099	01 02.0 02.0 268		01 06.0 06.0 141	04 08.7 03.1 260
9.0 ,,					01 06.0 06.0 147	

STATION	GWALIOR				IMPHAL/TULIHAL	
TIME IN I.S.T.	0530	1130	1730	2330	0530	1130
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	30 01.4 00.5 273	30 01.9 01.2 302	30 01.8 01.1 323	30 01.2 00.4 261	30 00.8 00.2 069	30 01.1 00.6 173
.15 A.G.L.	28 05.8 03.4 254	29 03.7 02.2 308	29 04.5 03.1 316	29 04.8 02.9 280	28 01.7 00.9 045	29 02.2 01.0 175
.3A.M.S.L.	28 04.7 02.9 278	29 03.7 02.3 296	29 04.1 02.8 313	29 04.1 02.6 273		
.6 ,,	27 07.3 04.3 301	29 04.8 02.9 313	29 05.6 03.9 316	29 05.4 03.1 292		
.9 ,,	24 06.6 05.6 304	25 05.0 03.7 310	26 05.7 04.0 306	28 05.6 03.1 301	28 01.7 00.9 044	29 02.2 01.0 174
1.5 ,,	22 06.1 05.5 323	19 05.7 04.2 326	24 06.4 04.8 309	27 06.1 04.3 316	28 02.5 00.6 072	29 03.0 01.3 155
2.1 ,,	19 07.1 06.4 338	16 07.2 06.3 329	24 06.8 05.0 323	24 06.0 04.7 322	22 03.8 00.8 160	27 04.3 02.2 151
3.0 ,,	17 07.5 06.6 337	15 07.0 06.5 333	20 07.5 05.8 337	20 06.1 04.6 340	13 04.1 01.4 197	18 05.4 02.7 183
3.6 ,,	14 07.4 06.3 346	14 06.4 05.4 344	18 07.7 06.4 341	09 06.3 05.2 005	12 05.2 01.9 202	07 08.3 03.7 180
4.5 ,,	13 08.4 06.7 338	14 05.4 04.5 320	16 06.9 05.4 342	04 06.0 02.6 356	08 05.0 00.7 149	03 08.3 03.8 201
5.4 ,,	13 05.8 04.7 320	12 06.5 04.7 296	16 07.4 05.2 327		03 04.0 01.2 177	
6.0 ,,	13 06.5 05.1 311	12 06.5 04.7 285	15 07.1 04.5 311		03 05.0 01.2 166	
7.2 ,,	12 05.2 04.2 283	11 06.1 05.7 276	14 06.3 05.3 282		03 05.0 03.6 186	
9.0 ,,	11 06.4 06.1 277	11 08.1 07.9 269	11 09.4 07.8 267			

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

SEPTEMBER, 1967. (BHADRA 10 - ASVINA 8, 1889 SAKA)

STATION	IMPHAL/TULIHAL								JABALPUR								JAGDALPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	02.0	00.2	262	30	00.6	00.2	019	30	01.0	00.8	248	30	01.3	00.7	289	30	01.0	00.8	253	30	00.6	00.5	212
.15 A.G.L.	28	03.3	00.5	240	29	02.1	00.2	022	21	04.6	02.9	252	24	04.2	01.6	307	25	04.3	02.3	258	27	03.9	03.2	238
.3A.M.S.L.																								
.6 ,,									21	05.0	02.9	276	24	04.8	01.9	303	25	04.3	02.6	250	27	02.0	01.6	234
.9 ,,	28	03.3	00.6	243	29	02.0	00.4	332	19	06.5	03.7	318	24	06.2	03.0	312	25	05.5	03.3	310	26	05.5	04.1	262
1.5 ,,	28	03.0	01.5	169	29	03.3	01.1	166	19	07.4	04.8	327	20	06.5	03.9	331	23	06.6	04.0	316	23	07.5	06.0	299
2.1 ,,	27	04.1	01.6	186	23	04.6	02.7	175	17	07.9	04.3	321	16	07.4	04.9	333	20	05.5	03.5	333	16	06.4	05.0	304
3.0 ,,	25	05.2	01.3	185	13	05.7	03.3	204	11	05.3	03.8	334	17	06.6	04.7	332	18	04.2	03.1	332	08	05.5	02.3	348
3.6 ,,	20	06.3	01.7	219	07	06.1	04.0	205	10	05.3	04.1	302	15	05.6	04.1	329	10	03.4	01.1	305	07	04.9	01.8	038
4.5 ,,	12	06.6	02.4	261	02	03.5	01.7	068	09	06.3	04.0	278	10	05.4	04.8	293	03	02.7	01.4	220	03	08.0	02.6	098
5.4 ,,	08	07.7	03.1	275					06	04.3	03.1	232	09	03.8	02.5	305	01	01.0	01.0	360	02	06.0	01.1	321
6.0 ,,	06	07.0	01.8	257					05	02.2	01.4	172	09	02.9	01.9	308	01	02.0	02.0	360	01	03.0	03.0	120
7.2 ,,	06	06.5	03.0	267					04	03.3	02.3	073	08	03.3	00.8	334								
9.0 ,,									02	03.5	03.1	202	02	03.0	01.0	315								

STATION	JAGDALPUR								JAIPUR/SANGANER								JAMSHEDPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.6	01.1	228	30	00.7	00.7	243	30	01.3	00.7	323	30	01.9	01.2	327	30	00.9	00.3	309	30	00.9	00.5	279
.15 A.G.L.	25	04.9	03.0	256	24	04.6	03.2	257	25	06.9	06.4	299	29	05.0	03.3	312	28	07.0	04.7	286	26	03.1	02.0	274
.3A.M.S.L.																					26	03.8	02.0	275
.6 ,,	25	03.4	02.0	256	24	03.3	02.5	254	25	07.6	07.1	297	29	05.0	03.3	314	28	08.1	05.8	283	26	04.5	02.5	289
.9 ,,	25	05.3	03.7	277	24	05.7	03.7	274	25	08.8	07.5	299	29	06.0	03.8	304	28	08.9	06.7	290	26	05.1	02.9	310
1.5 ,,	23	05.8	04.3	301	23	05.9	03.4	305	24	06.8	05.6	310	28	06.5	04.5	319	28	08.9	06.3	296	21	06.0	02.9	323
2.1 ,,	13	06.9	04.1	281	21	05.8	03.7	321	20	06.0	04.6	345	24	07.2	04.9	336	27	08.3	05.2	321	18	05.2	02.0	314
3.0 ,,	07	05.4	03.9	009	17	04.3	03.3	318	19	06.7	04.9	006	19	07.4	06.2	348	20	08.7	07.3	341	11	05.0	00.9	313
3.6 ,,	06	04.3	03.5	343	04	02.5	01.3	013	19	06.7	04.5	003	18	07.2	06.4	355	10	09.4	08.7	002	10	04.4	00.5	140
4.5 ,,	04	03.5	02.9	314	03	03.3	01.4	312	18	05.2	02.9	017	15	07.3	05.8	357					04	04.5	02.1	156
5.4 ,,	03	04.0	03.6	276	01	01.0	01.0	005	18	05.6	01.7	346	14	07.4	04.2	323					04	04.7	02.0	152
6.0 ,,	03	01.7	00.4	292					15	06.5	03.0	307	13	08.0	04.8	304					03	03.7	02.5	194
7.2 ,,	03	04.0	02.7	065					05	05.2	03.9	297	03	08.3	06.2	264					01	02.0	02.0	157
9.0 ,,	01	04.0	04.0	055					01	06.0	06.0	300												

STATION	JAMSHEDPUR				JHARSUGUDA												JODHPUR							
TIME IN I.S.T.	1730				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.5	00.7	149	30	01.4	01.1	255	30	02.8	01.8	229	30	01.9	01.3	255	30	05.3	04.5	266	30	04.2	03.5	247
.15 A.G.L.	26	03.2	01.1	166	26	03.6	02.1	263	26	04.7	03.1	237	28	04.3	03.4	249	29	07.1	06.7	266	27	05.3	04.6	245
.3A.M.S.L.	26	03.1	01.2	187	26	03.0	01.6	259	26	04.7	03.3	233	28	03.4	02.6	245	29	05.7	05.1	264	27	04.9	04.1	251
.6 ,,	26	03.5	01.2	210	26	04.5	02.9	301	26	05.3	03.4	258	28	05.4	04.4	263	29	07.4	07.0	266	27	06.0	04.8	251
.9 ,,	26	04.2	00.8	236	25	05.0	03.4	309	26	05.8	03.6	271	28	06.0	04.8	271	29	07.4	06.5	266	26	06.5	05.4	248
1.5 ,,	21	05.4	01.6	297	20	05.6	03.4	326	23	06.2	02.6	315	26	05.1	03.7	277	29	05.7	03.0	268	19	04.6	02.2	237
2.1 ,,	14	05.6	04.0	290	17	05.5	03.2	315	18	06.1	03.4	309	17	04.3	01.5	285	29	04.6	01.5	012	15	03.7	01.4	050
3.0 ,,	06	04.5	03.1	257	14	05.3	02.6	296	13	05.4	02.9	295	12	04.0	00.7	281	29	05.9	04.1	041	15	04.3	02.9	072
3.6 ,,	04	05.5	05.2	249	12	04.2	01.8	271	12	06.0	03.1	260	01	05.0	05.0	235	29	06.2	05.3	042	15	04.9	04.1	051
4.5 ,,	01	08.0	08.0	260	08	04.2	02.0	231	12	04.7	02.0	244					26	05.4	04.2	050	14	04.9	02.4	035
5.4 ,,	01	02.0	02.0	303	05	03.8	02.5	142	10	04.2	01.9	265					26	05.4	01.6	067	12	06.1	01.5	255
6.0 ,,	01	02.0	02.0	332	04	04.0	02.3	114	09	04.3	01.4	334					24	05.3	00.3	008	11	05.1	02.9	269
7.2 ,,					04	04.5	03.8	096	03	03.6	03.5	054					21	06.1	01.9	268	10	06.3	00.7	235
9.0 ,,					02	06.0	04.5	083	02	08.5	08.1	104					16	06.5	04.2	270				

STATION	JODHPUR								LUCKNOW/AMAUSI											
TIME IN I.S.T.	1730*				2330				0530*				1130				1730*				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	04.4	02.9	243	30	04.5	04.1	240	30	00.7	00.1	115	30	02.8	00.4	118	30	01.9	00.7	276	30	01.2	00.2	126
.15 A.G.L.	29	06.0	04.2	244	27	07.7	07.2	227	30	04.7	01.0	314	30	03.7	00.1	026	30	04.6	01.9	302	29	04.6	00.8	247
.3A.M.S.L.	29	05.2	03.4	249	27	06.5	06.3	222	30	04.8	00.9	316	30	03.7	00.6	339	30	04.7	01.9	301	29	04.7	00.8	255
.6 ,,	29	05.5	04.2	245	27	08.6	08.3	235	30	05.6	01.1	003	30	04.4	00.8	134	30	05.2	01.8	308	28	05.2	01.7	271
.9 ,,	29	05.6	04.3	255	25	08.1	07.6	240	30	06.0	00.8	027	28	04.4	00.6	152	30	05.7	01.8	302	27	05.7	02.0	287
1.5 ,,	29	04.0	03.0	273	24	05.0	03.9	238	29	06.6	01.3	025	19	05.1	01.0	314	29	06.3	01.2	308	27	06.1	01.9	275
2.1 ,,	29	05.0	02.3	309	21	04.0	01.1	292	29	07.1	01.1	004	13	05.2	03.8	325	29	07.3	01.0	356	24	05.7	02.1	308
3.0 ,,	29	05.3	03.5	008	16	05.5	04.3	039	27	06.9	00.7	077	08	07.5	03.5	330	28	07.3	01.5	342	16	05.8	03.0	310
3.6 ,,	29	06.5	04.2	023	11	05.3	04.3	033	23	06.4	01.3	145	07	05.9	03.2	324	27	06.6	01.7	055	08	02.8	00.4	096
4.5 ,,	26	05.8	04.0	018	02	05.5	02.5	041	21	06.0	01.4	145	05	06.4	02.7	293	27	05.7	01.3	109				
5.4 ,,	25	05.9	02.7	351					20	06.5	01.1	182	05	06.8	06.1	275	27	06.1	00.6	323				
6.0 ,,	25	05.8	02.8	040					20	06.7	00.1	027	04	12.0	11.6	288	27	07.0	02.2	298				
7.2 ,,	21	06.7	04.1	273					19	06.4	01.9	312	03	13.3	12.0	275	26	07.2	03.4	298				
9.0 ,,	20	06.7	04.6	258					18	07.9	04.0	295	02	12.0	12.0	262	25	08.6	04.5	261				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

SEPTEMBER, 1967. (BHADRA 10 - ASVINA 8, 1889 SAKA)

STATION	MADRAS/MINAMBAKKAM												MANGALORE/BAJPE							
TIME IN I.S.T.	0530*				1130				1730*				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	05.2	04.2	247	30	03.1	02.5	271	30	04.0	02.1	154	30	03.2	03.1	176	30	00.9	00.4	041	30	03.4	03.0	283
.15 A.G.L.	30	06.5	05.3	251	30	05.0	04.2	267	30	05.3	03.4	148	30	07.4	06.9	185	25	03.9	01.6	003	30	05.2	04.4	281
.3A.M.S.L.	30	07.9	06.9	253	30	05.0	04.4	268	30	04.5	02.6	162	30	07.7	07.0	190	25	04.1	02.0	328	30	05.5	04.6	283
.6 ,,	30	09.9	08.1	265	30	06.3	05.8	274	30	04.1	02.7	230	30	07.0	06.2	204	25	05.8	04.7	307	30	06.6	05.7	292
.9 ,,	30	08.5	07.2	273	30	07.1	06.5	277	30	04.7	03.7	260	30	05.8	05.0	231	24	06.7	06.0	304	30	06.8	06.0	297
1.5 ,,	30	06.4	05.5	273	29	06.6	05.9	274	30	06.7	06.2	280	30	05.1	04.6	274	23	07.2	06.5	292	25	06.4	05.3	300
2.1 ,,	30	06.0	04.9	290	29	06.2	05.3	268	30	07.5	07.1	286	30	05.9	05.4	286	22	06.1	04.8	281	23	06.7	05.7	287
3.0 ,,	29	06.5	05.1	290	26	06.3	05.2	275	30	07.3	06.3	288	21	05.8	04.9	286	16	04.6	03.2	275	14	05.4	04.2	265
3.6 ,,	29	05.9	04.1	283	25	05.9	05.1	271	29	06.2	05.3	264	07	04.0	03.3	309	15	04.1	02.5	275	12	05.7	04.4	261
4.5 ,,	29	05.2	03.0	274	21	05.4	03.7	264	29	04.5	03.0	262	01	05.0	05.0	075	12	05.0	03.2	286	12	05.0	04.0	284
5.4 ,,	29	05.3	01.5	254	18	05.3	02.2	245	29	04.5	01.6	252					12	04.3	01.6	307	10	03.3	01.4	289
6.0 ,,	29	05.1	01.0	199	18	05.3	01.3	226	28	04.4	00.5	283					10	03.5	01.2	097	10	03.1	00.7	005
7.2 ,,	28	06.4	02.8	135	09	05.8	02.0	109	28	06.6	02.4	160					08	04.6	03.3	097	08	05.1	04.1	080
9.0 ,,	24	08.0	06.6	091	01	07.0	07.0	110	28	06.4	05.0	105					02	07.0	06.5	094	03	08.3	08.3	086

STATION	MANGALORE/BAJPE								MINICOY												NAGPUR/SONEGAON			
TIME IN I.S.T.	2330				0530*				1130				1730*				2330				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.5	00.6	007	30	02.3	02.0	302	30	02.7	02.4	302	30	02.9	02.6	292	30	03.1	02.6	294	30	02.2	01.9	295
.15 A.G.L.	30	04.4	02.6	301	29	05.5	04.9	305	29	05.2	04.6	306	30	05.7	05.1	291	29	05.4	04.6	294	30	05.5	03.9	313
.3A.M.S.L.	30	04.9	03.5	302	29	05.4	04.8	307	29	05.1	04.5	306	30	06.0	05.5	293	29	05.5	04.9	298				
.6 ,,	30	06.5	05.3	299	29	06.6	06.0	306	29	06.2	05.6	305	30	06.5	06.1	295	29	06.1	05.5	302	30	05.8	04.1	322
.9 ,,	28	07.0	06.1	296	28	07.2	06.7	302	28	07.1	06.5	302	30	07.6	07.0	298	28	06.4	05.9	307	30	06.6	04.7	328
1.5 ,,	24	06.2	05.6	294	25	07.3	06.7	292	25	07.2	06.8	296	30	07.4	07.0	290	26	06.4	05.8	297	30	06.5	03.9	330
2.1 ,,	23	06.2	05.1	286	23	07.4	06.7	286	21	06.5	05.8	287	30	06.7	06.3	282	23	06.4	05.6	290	30	06.1	03.6	327
3.0 ,,	19	05.6	04.1	277	15	06.7	06.0	280	15	06.1	05.6	283	29	07.0	06.1	275	15	06.4	05.5	284	30	05.2	03.4	323
3.6 ,,	11	04.2	02.6	290	13	06.9	06.2	287	15	05.5	05.0	285	28	06.3	05.5	279	06	06.5	05.3	295	30	04.4	02.6	315
4.5 ,,	08	03.9	03.0	318	08	05.1	03.2	310	12	03.8	02.1	288	28	04.7	03.2	287	01	04.0	04.0	030	30	04.4	02.1	320
5.4 ,,	03	03.0	00.7	357	04	06.5	01.4	293	12	04.7	00.8	085	27	04.2	03.7	345					30	04.2	00.9	007
6.0 ,,	03	04.0	01.1	105	04	09.0	01.6	340	11	04.8	02.1	087	27	04.8	01.5	060					30	03.8	01.6	020
7.2 ,,	01	04.0	04.0	360	03	06.3	03.1	043	07	07.6	07.2	087	27	06.5	04.9	089					30	03.5	01.7	090
9.0 ,,					01	12.0	12.0	115	03	11.3	11.2	109	27	09.4	08.7	096					28	04.3	03.1	100

STATION	NAGPUR/SONEGAON												NEW DELHI/SAFDARJUNG							
TIME IN I.S.T.	1130				1730*				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	03.1	01.9	296	30	02.6	01.9	302	30	01.2	00.9	289	30	02.4	00.8	292	30	02.7	01.5	284	30	02.7	00.8	315
.15 A.G.L.	30	05.6	04.2	301	30	05.5	03.2	320	27	05.2	03.5	294	30	05.9	02.7	295	26	05.0	02.5	289	30	05.3	02.2	315
.3A.M.S.L.													30	04.3	01.8	296	26	04.3	02.4	292	30	04.1	01.7	310
.6 ,,	30	05.5	04.1	296	30	05.1	03.3	327	27	06.3	04.4	303	30	06.6	03.4	302	26	05.3	03.1	297	30	05.7	02.5	318
.9 ,,	30	06.3	04.2	303	30	05.5	03.5	332	27	07.7	05.1	309	30	07.1	03.2	318	26	06.3	03.7	309	30	06.3	02.9	320
1.5 ,,	23	06.4	03.6	335	30	06.9	04.4	323	27	08.5	04.9	313	30	07.4	03.2	340	19	07.6	04.5	318	30	06.5	03.4	320
2.1 ,,	16	06.3	02.4	342	30	06.8	04.8	321	24	07.4	04.5	303	30	07.1	02.9	346	16	08.9	05.8	326	30	07.5	04.0	336
3.0 ,,	09	05.0	01.9	331	30	05.8	04.2	326	17	07.8	05.1	318	30	07.3	03.7	355	14	09.0	06.3	319	30	08.2	04.7	347
3.6 ,,	05	04.2	02.7	305	30	05.0	03.2	330	06	02.8	01.3	322	30	07.1	03.5	007	13	07.6	07.1	324	29	07.5	04.3	349
4.5 ,,	05	04.8	03.1	293	30	04.6	03.0	340	01	06.0	06.0	305	30	06.4	02.7	017	13	08.3	07.0	317	27	07.6	03.1	005
5.4 ,,	05	04.2	01.0	327	30	02.4	01.3	348					30	06.7	02.1	003	13	10.4	08.2	293	27	07.6	02.6	354
6.0 ,,	05	04.4	00.5	082	30	04.1	01.1	009					30	07.4	01.6	323	13	11.5	09.1	294	27	07.9	02.4	334
7.2 ,,	03	04.3	01.1	215	29	03.7	01.1	084					29	08.0	03.5	276	10	09.7	07.5	285	27	08.0	04.6	278
9.0 ,,	01	07.0	07.0	215	27	03.5	02.1	086					29	10.4	07.7	256	05	12.0	09.8	267	27	10.2	08.1	262

STATION	NEW DELHI/SAFDARJUNG								POONA								PORT BLAIR							
TIME IN I.S.T.	2330				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.2	00.3	217	30	00.3	00.3	270	30	02.4	02.3	265	30	00.5	00.5	276	30	04.1	03.8	233	30	04.8	04.4	239
.15 A.G.L.	30	05.1	02.3	276	30	04.6	03.8	258	28	07.8	06.8	262	28	05.0	04.4	258	30	08.3	07.7	241	29	08.0	07.5	241
.3A.M.S.L.	30	04.0	01.5	262													30	08.6	07.9	242	29	09.5	07.7	244
.6 ,,	30	05.9	02.5	290	30	02.1	01.6	271	28	04.9	04.3	267	28	02.4	02.2	268	30	10.4	09.6	242	29	08.8	08.2	246
.9 ,,	30	06.3	02.9	298	30	06.1	04.8	265	28	07.9	07.0	265	28	06.6	04.9	264	30	10.9	10.1	244	25	08.9	08.0	249
1.5 ,,	27	07.2	04.3	315	23	09.0	06.1	271	24	07.5	06.5	266	24	09.1	06.4	271	29	09.5	08.8	244	14	08.3	06.7	245
2.1 ,,	26	07.7	05.6	325	17	07.6	01.7	279	18	06.2	03.4	282	18	08.0	02.6	293	26	07.7	07.0	245	08	06.5	04.1	258
3.0 ,,	21	07.4	05.4	341	10	05.3	01.9	255	06	04.7	03.9	260	11	04.2	01.4	190	26	08.0	06.9	243	02	02.5	02.3	289
3.6 ,,	07	03.4	02.5	021	03	04.3	02.4	170	04	03.7	02.6	262	05	02.0	00.6	205	25	06.9	05.2	241	01	02.0	02.0	248
4.5 ,,	01	02.0	02.0	013					01	07.0	07.0	018	01	03.0	03.0	284	23	07.0	04.3	239				
5.4 ,,																	21	06.2	03.6	204				
6.0 ,,																	21	06.9	03.0	201				
7.2 ,,																	19	06.4	03.4	085				
9.0 ,,																	18	09.4	07.8	086				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

SEPTEMBER, 1967. (BHADRA 10 - ASVINA 8, 1889 SAKA)

STATION	PORT BLAIR								RAIPUR								RAXAUL			
IME IN I.S.T.	1730*				2330				0530				1730				2330				0530			
T IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
RFACE	30	04.2	03.9	232	30	03.2	03.0	231	30	01.6	01.2	244	30	01.6	01.1	265	30	01.4	01.2	245	30	01.8	00.9	081
.15 A.G.L.	30	07.3	06.7	235	27	07.1	06.8	236	26	06.0	04.5	256	28	05.7	03.6	263	27	06.1	04.1	247	26	05.2	03.4	086
.3A.M.S.L.	30	07.4	06.9	236	27	07.5	07.1	235													26	05.6	03.3	088
.6 ,,	30	08.7	08.1	242	27	08.6	08.2	245	26	07.2	05.0	273	28	06.7	04.3	268	27	06.8	04.4	269	26	06.5	03.5	102
.9 ,,	30	09.6	08.9	245	27	08.4	08.0	248	25	07.0	04.9	292	28	07.0	04.1	285	27	07.4	04.8	289	26	05.8	02.7	097
.5 ,,	29	09.0	08.2	249	24	08.0	06.6	250	20	08.7	04.7	318	26	07.1	04.4	312	26	07.2	04.4	294	22	05.5	01.2	072
.1 ,,	29	07.9	06.7	253	23	06.3	05.5	256	18	06.8	04.9	291	23	07.0	04.3	328	22	06.1	03.0	312	18	03.4	01.9	041
.0 ,,	29	06.4	05.0	254	18	05.0	03.4	249	12	06.3	03.6	278	17	05.5	03.2	002	21	04.4	01.4	320	12	04.7	01.5	284
.6 ,,	27	06.3	05.2	246	12	04.8	02.7	241	10	04.3	02.1	253	12	04.2	02.2	018	16	04.4	00.4	251	07	03.8	00.5	052
.5 ,,	27	06.0	04.1	226	09	02.8	01.7	255	10	04.2	01.9	204	08	05.1	02.1	284	05	04.0	00.4	135	06	05.3	01.3	067
.4 ,,	27	05.8	03.5	217	02	03.5	02.5	119	08	03.5	01.6	192	08	02.9	00.7	347	01	02.0	02.0	221	05	04.8	01.9	160
.0 ,,	27	05.9	03.0	198	02	06.5	04.5	126	08	03.0	01.9	134	07	03.0	00.8	001	01	03.0	03.0	135	05	06.0	00.7	277
.2 ,,	26	06.3	03.2	120	01	02.0	02.0	210	07	04.4	03.9	127	07	02.9	01.2	092					04	06.5	03.5	255
.0 ,,	24	10.5	09.1	067					06	04.2	03.8	094	06	04.8	03.3	102					02	10.5	10.5	255

STATION	RAXAUL				SRINAGAR												TIRUCHCHIRAPPALLI							
IME IN I.S.T.	1730				0530*				1730*				0530				1730				2330			
T IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
RFACE	30	01.3	00.5	101	24	00.0	00.0	000	27	00.8	00.5	255	30	04.4	04.2	271	30	03.2	01.3	256	30	02.9	01.8	212
.15 A.G.L.	27	03.5	01.3	151	24	01.5	00.5	033	27	02.3	00.4	255	30	08.3	08.2	275	29	03.8	01.4	245	29	05.8	04.7	217
.3A.M.S.L.	27	03.5	01.3	142									30	09.4	09.3	275	29	03.8	01.5	240	29	06.4	05.3	218
.6 ,,	27	03.7	01.4	147									30	10.5	10.3	274	29	04.3	02.7	253	29	06.3	05.2	225
.9 ,,	26	03.7	00.4	203									30	09.3	09.0	271	29	04.6	03.7	259	29	06.0	04.7	242
.5 ,,	24	05.3	00.5	259									30	07.1	06.5	264	29	06.1	05.5	267	29	05.6	04.7	264
.1 ,,	19	04.4	00.3	282	24	01.9	00.7	360	27	03.0	00.7	303	29	06.2	05.1	269	28	06.6	06.3	270	29	05.0	04.2	280
.0 ,,	14	03.6	01.1	051	24	02.1	00.9	300	27	03.4	01.0	285	27	05.0	04.2	273	23	05.8	05.3	286	23	04.6	03.6	281
.6 ,,	11	03.3	01.7	094	24	02.5	00.5	175	27	03.4	00.9	276	24	04.7	04.0	277	20	05.3	04.9	283	12	03.9	03.1	270
.5 ,,	09	03.3	01.3	146	24	03.7	00.7	165	27	03.6	01.5	283	22	05.4	03.8	280	19	03.9	02.8	291	07	03.1	01.3	271
.4 ,,	08	05.7	02.3	257	23	05.3	02.3	238	26	04.2	02.6	275	19	04.6	00.6	228	16	03.6	00.2	137	02	04.0	02.4	211
.0 ,,	06	06.8	04.9	264	21	06.6	04.3	261	26	06.3	04.3	280	17	04.6	01.5	114	16	03.9	01.3	099	02	03.0	01.3	164
.2 ,,	05	09.0	03.5	274	19	11.9	09.6	282	25	13.0	08.4	278	14	06.0	04.2	107	12	04.3	03.2	111				
.0 ,,	02	05.0	02.2	266	17	16.9	14.9	270	25	18.0	16.3	275	10	09.2	08.4	091	07	07.4	07.2	109				

STATION	TRIVANDRUM																UDAIPUR							
IME IN I.S.T.	0530*				1130				1730*				2330				0530				1730			
T IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
RFACE	30	04.5	04.1	310	30	03.4	03.0	313	30	07.9	04.6	297	30	02.3	02.2	322	30	00.4	00.4	263	30	01.3	01.0	260
.15 A.G.L.	29	07.4	07.0	310	28	05.6	05.2	312	30	07.9	07.7	300	28	06.7	06.5	320	29	03.7	03.1	265	30	04.7	03.9	266
.3A.M.S.L.	29	07.3	06.9	310	28	06.1	05.8	311	30	08.1	07.9	300	28	07.7	07.4	318								
.6 ,,	29	07.0	06.7	308	28	06.6	06.2	313	30	07.6	07.3	304	28	09.5	09.1	318								
.9 ,,	29	07.7	07.3	305	27	06.4	06.0	312	30	07.7	07.4	308	28	09.8	09.5	317	29	04.9	03.9	266	30	05.4	04.0	269
.5 ,,	29	08.1	07.7	300	18	07.2	06.6	306	30	07.9	07.0	306	27	09.1	08.7	304	25	05.5	02.7	291	27	05.2	03.6	285
.1 ,,	29	07.2	06.8	291	10	05.6	04.3	309	30	06.9	06.1	293	26	09.0	08.2	290	20	04.3	01.8	048	25	05.0	02.2	298
.0 ,,	29	06.1	05.3	284	06	04.5	03.5	316	30	06.5	05.7	285	19	06.9	04.8	294	19	06.6	03.8	067	20	04.9	02.9	052
.6 ,,	29	05.4	04.3	285	04	04.0	02.3	291	30	05.4	04.4	290	08	05.4	02.2	305	19	05.0	04.7	052	18	05.2	03.6	046
.5 ,,	28	04.3	02.3	284	03	02.3	01.7	253	29	04.1	03.1	290	04	06.5	03.3	355	17	04.3	03.0	051	16	05.1	02.6	355
.4 ,,	28	03.5	00.7	281	02	04.5	03.1	118	29	04.3	01.1	303	02	06.0	01.3	005	16	04.2	01.5	009	13	05.4	01.9	313
.0 ,,	27	03.3	00.4	169	02	05.5	05.5	112	29	04.2	01.7	043					16	04.1	01.8	017	13	05.2	02.7	290
.2 ,,	27	05.0	03.8	093	02	07.5	06.9	070	29	05.7	04.0	094					15	03.8	00.6	334	11	04.5	03.1	261
.0 ,,	27	08.9	08.3	093	01	12.0	12.0	085	29	09.9	09.2	103					13	03.8	01.3	273	10	06.6	04.8	249

STATION	UDAIPUR				VENGURLA												VERAVAL			
IME IN I.S.T.	2330				0530				1730				2330				0530				1730			
T IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
RFACE	30	00.5	00.4	252	30	00.4	00.1	078	30	02.1	01.9	275	30	00.4	00.3	260	30	05.3	04.2	254	30	06.7	05.3	268
.15 A.G.L.	30	03.7	03.1	273	30	03.6	02.2	279	30	05.5	05.0	275	28	04.1	03.3	294	30	07.0	05.2	271	29	07.0	05.6	260
.3A.M.S.L.					30	04.4	03.6	276	30	06.6	06.0	281	28	05.3	04.5	292	30	07.4	05.6	275	28	07.4	06.7	264
.6 ,,					30	05.3	04.6	278	29	07.9	07.2	287	28	06.2	05.4	290	30	07.7	05.8	275	28	06.7	05.7	267
.9 ,,	30	04.8	03.9	277	23	05.9	05.4	280	23	08.0	07.2	288	20	06.5	05.8	295	30	06.9	04.7	265	27	06.5	05.4	266
.5 ,,	26	05.2	03.1	286	16	05.9	05.4	289	18	06.8	06.2	297	12	05.2	04.7	302	30	06.2	02.6	239	26	05.9	03.5	259
.1 ,,	23	04.1	00.5	064	13	05.7	03.8	283	15	05.0	04.3	301	09	04.9	03.2	302	19	05.5	01.4	081	22	04.6	01.5	245
.0 ,,	20	05.3	03.9	057	07	05.0	00.9	250	12	05.2	03.3	282	07	04.4	01.0	042	15	05.0	01.9	050	17	04.7	01.7	227
.6 ,,	18	05.1	03.9	062	01	02.0	02.0	227	10	04.1	01.7	310	06	04.3	00.1	014	02	02.5	02.3	308	16	03.8	00.5	259
.5 ,,	09	05.3	02.7	040					06	05.0	00.7	299	01	04.0	04.0	194					16	03.1	00.5	282
.4 ,,	03	07.0	02.8	319					05	04.6	00.8	003	01	03.0	03.0	120					15	04.2	01.3	275
.0 ,,	02	09.0	09.0	267					04	03.3	00.7	281									14	03.5	00.7	017
.2 ,,	01	11.0	11.0	285					02	01.5	01.3	103									13	03.6	01.8	028
.0 ,,	01	10.0	10.0	265																	07	05.3	03.8	098

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

SEPTEMBER, 1967. (BHADRA 10 - ASVINA 8, 1889 SAKA)

STATION	VERAVAL				VIJAYWADA/GANNAVARAM												VISHAKHAPATNAM							
TIME IN I.S.T.	2330				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	05.9	05.1	274	30	02.3	02.0	263	30	02.7	01.6	283	30	01.5	01.0	226	30	03.7	03.1	296	30	02.6	01.7	208
.15 A.G.L.	30	07.1	05.8	277	28	06.3	05.6	251	30	05.3	03.4	286	30	04.7	02.8	232	30	06.2	05.4	303	30	04.6	03.4	222
.3A.M.S.L.	30	07.8	06.2	282	28	07.3	06.7	259	30	05.3	03.9	296	30	05.2	03.2	250	30	06.3	05.3	296	30	04.5	03.3	234
.6 ,,	30	07.2	05.7	281	28	08.6	07.9	263	30	06.7	05.1	292	30	05.9	03.9	273	30	05.9	05.0	256	30	04.8	04.1	257
.9 ,,	30	06.5	04.7	274	28	08.6	07.9	270	30	07.3	05.5	294	30	06.6	04.7	281	30	05.6	04.9	262	30	05.6	04.8	271
1.5 ,,	29	05.9	02.8	241	28	07.3	06.1	277	30	08.1	06.7	294	30	07.7	06.0	286	29	06.9	05.7	281	28	07.0	05.3	286
2.1 ,,	21	05.2	01.3	107	28	07.1	05.7	287	30	07.8	06.9	291	30	08.7	07.3	288	29	06.3	05.5	289	26	07.3	05.4	292
3.0 ,,	14	05.2	02.1	053	23	07.3	05.5	288	30	08.6	07.6	286	30	08.1	07.0	295	29	06.0	04.3	288	22	08.2	06.7	275
3.6 ,,	10	03.6	00.9	061	17	08.9	07.2	289	25	08.8	07.3	279	22	06.8	05.7	295	29	06.0	04.6	288	17	07.2	05.2	266
4.5 ,,	04	02.7	02.0	256	10	07.8	04.9	284	21	07.5	05.5	265	12	05.7	05.1	278	29	06.5	03.6	286	14	08.1	05.7	269
5.4 ,,	01	07.0	07.0	220	07	07.6	05.3	275	13	07.5	04.3	280	04	03.7	02.4	272	28	06.3	04.1	278	07	06.4	03.0	302
6.0 ,,					06	08.2	05.1	267	09	07.0	03.0	282	02	03.0	02.9	113	28	06.0	03.6	283	06	05.2	02.9	008
7.2 ,,					05	06.6	02.9	300	04	06.3	00.9	294	01	04.0	04.0	120	26	04.3	00.8	230	02	03.0	02.5	281
9.0 ,,					04	06.7	00.7	086									26	06.0	04.0	109	01	09.0	09.0	100

STATION	VISHAKHAPATNAM																							
TIME IN I.S.T.	1730*				2330																			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	03.4	02.7	268	30	01.7	01.4	252																
.15 A.G.L.	30	05.3	03.8	275	30	04.9	04.1	249																
.3A.M.S.L.	30	05.7	04.1	269	30	05.1	04.2	248																
.6 ,,	30	05.0	03.9	254	30	05.4	04.3	257																
.9 ,,	30	04.8	03.7	262	29	05.9	04.6	267																
1.5 ,,	30	05.5	03.7	298	25	06.6	04.9	284																
2.1 ,,	30	06.1	04.5	305	21	06.2	04.8	291																
3.0 ,,	30	06.7	04.4	283	15	05.8	05.0	298																
3.6 ,,	30	06.3	03.9	284	02	05.0	05.0	293																
4.5 ,,	29	06.7	03.8	279																				
5.4 ,,	29	06.4	03.8	266																				
6.0 ,,	28	06.0	02.7	273																				
7.2 ,,	27	04.6	00.8	316																				
9.0 ,,	25	05.4	02.8	101																				

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

SEPTEMBER,1967.(BHADRA 10 - ASVINA 8,1889 SAKA)

STATION	AGARTALA				AHMADABAD								AMINI							
TIME IN I.S.T.	0530				0530*				1130				1730*				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	01	08.0	08.0	235	26	06.2	02.1	172	06	04.2	03.7	260	25	06.9	03.0	339	02	12.5	12.1	113	02	13.5	13.3	109
12.0	01	06.0	06.0	260	25	08.3	03.9	131	03	05.3	03.4	232	25	09.0	05.3	135	02	17.5	17.5	092	02	24.5	24.3	086
14.1					20	12.5	08.5	130	03	07.7	04.5	153	18	10.9	08.3	116	01	30.0	30.0	090				
16.2					13	14.7	09.6	119	02	04.5	01.9	173	15	15.0	11.8	110	01	20.0	20.0	080				
18.0					08	13.6	11.6	095	02	06.5	01.9	072	11	13.5	12.5	114	01	11.0	11.0	055				
21.0					03	10.3	09.2	094	01	13.0	13.0	105	05	17.2	16.2	095								
24.0									01	11.0	11.0	120												
27.0																								
30.0																								
33.0																								

STATION	ANANTAPUR				ASANSOL				BANGALORE												BAREILLY			
TIME IN I.S.T.	0530				0530				0530●				1130				1730●				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	01	11.0	11.0	065	02	10.0	10.0	084	04	09.3	09.1	106	01	10.0	10.0	105	09	10.2	09.7	101	07	12.1	11.0	255
12.0					02	16.0	15.1	096	02	23.5	23.5	087	01	21.0	21.0	105	06	15.7	15.5	094	05	09.6	09.0	224
14.1					02	24.0	23.7	090	01	26.0	26.0	095	01	31.0	31.0	100	04	19.7	18.9	096	01	11.0	11.0	256
16.2					01	16.0	16.0	085	01	26.0	26.0	085	01	29.0	29.0	105	04	27.5	27.5	088				
18.0									01	08.0	08.0	072	01	28.0	28.0	090	02	12.0	12.0	084				
21.0									01	15.0	15.0	096	01	20.0	20.0	110	01	15.0	15.0	090				
24.0													01	20.0	20.0	335								
27.0																								
30.0																								
33.0																								

STATION	BAREILLY				BEGAMPET												BHOPAL/RAIRAGARH							
TIME IN I.S.T.	1730				0530*				1130				1730*				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	02	06.5	06.5	249	30	07.6	06.9	087	04	05.3	03.9	108	30	07.9	07.2	081	12	05.2	01.9	308	07	04.3	02.0	232
12.0	02	09.0	08.6	223	30	10.9	10.5	093	03	13.0	12.8	099	30	12.3	10.8	087	11	05.0	01.5	237	05	07.4	02.9	257
14.1	02	06.5	05.5	214	30	18.8	18.4	089	03	12.7	12.6	102	30	19.1	18.5	090	11	05.4	01.4	179	05	08.4	05.9	184
16.2	01	05.0	05.0	015	30	24.1	23.1	098	02	19.5	19.2	102	30	22.7	22.5	093	11	06.2	03.7	126	03	08.0	06.6	096
18.0					30	16.1	15.6	091					29	16.9	16.7	087	10	10.1	07.6	121	01	08.0	08.0	180
21.0					23	15.0	14.4	082					27	14.9	14.3	099	10	12.3	10.1	095	01	13.0	13.0	275
24.0					09	18.6	18.2	085					10	15.7	15.3	093	05	11.6	07.6	097	01	09.0	09.0	280
27.0					05	18.8	18.7	091					05	19.2	19.0	100	02	21.5	05.8	241				
30.0																								

STATION	BIKANER				BOMBAY/SANTACRUZ												CALCUTTA/DUM DUM							
TIME IN I.S.T.	0530				0530*				1730*				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	03	12.7	09.7	270	27	09.1	08.3	101	26	09.6	09.3	100	27	07.1	05.5	113	01	06.0	06.0	110	30	07.1	04.6	127
12.0	01	12.0	12.0	245	27	11.4	10.6	105	26	13.1	12.5	097	26	08.7	07.1	105	01	07.0	07.0	184	28	08.0	05.1	120
14.1	01	04.0	04.0	265	19	17.8	17.1	106	18	18.1	17.4	099	24	11.8	10.0	094					24	10.3	06.9	094
16.2	01	07.0	07.0	040	15	19.1	18.5	105	14	19.4	18.8	093	22	13.6	12.7	096					20	11.6	10.3	090
18.0	01	09.0	09.0	085	06	14.9	14.5	100	04	18.7	18.7	088	09	13.4	12.1	085					09	13.5	13.1	090
21.0	01	11.0	11.0	095	03	16.0	15.2	093	01	11.0	11.0	094	04	19.0	18.7	096					04	09.7	09.6	104
24.0									01	14.0	14.0	102									01	11.0	11.0	105
27.0																								
30.0																								
33.0																								

STATION	DEHRADUN				DIBRUGARH/MOHANBARI								GADAG								GANGTOK			
TIME IN I.S.T.	0530				1730				0530				0530				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	06	21.3	20.6	260	03	31.0	29.3	268	01	12.0	12.0	280	03	13.7	13.6	090	01	07.0	07.0	120	05	10.0	02.2	284
12.0	02	15.5	14.4	285	01	30.0	30.0	270	01	20.0	20.0	270	02	18.5	17.9	093	01	17.0	17.0	115	04	08.5	02.5	145
14.1													01	36.0	36.0	100	01	21.0	21.0	115	03	05.3	02.6	302
16.2													01	39.0	39.0	085					03	05.7	01.0	083
18.0																					03	06.7	05.0	091
21.0																					02	18.0	16.1	117
24.0																					01	29.0	29.0	085
27.0																					01	44.0	44.0	120
30.0																								
33.0																								

STATION	GAUHATI								GAYA								GWALIOR							
TIME IN I.S.T.	0530*				1730*				0530				1730				0530				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	23	07.3	01.8	147	23	07.8	01.6	213	01	06.0	06.0	250	02	09.5	01.9	077	11	08.3	07.4	272	10	08.5	08.1	265
12.0	22	10.5	01.3	107	22	08.0	00.9	244	01	07.0	07.0	260	01	05.0	05.0	274	11	09.8	08.2	251	09	07.4	06.4	252
14.1	17	13.3	05.5	019	19	09.8	01.2	014	01	07.0	07.0	280					10	11.2	09.5	231	07	09.1	04.4	189
16.2	12	10.2	04.1	040	12	08.3	02.5	050	01	05.0	05.0	165					07	06.4	02.1	228	07	08.7	03.5	221
18.0	04	08.7	08.1	085	05	08.6	08.3	144									04	08.5	01.9	066	04	08.3	03.5	249
21.0	01	08.0	08.0	142													04	09.5	04.7	042	02	05.5	04.1	338
24.0																	04	05.7	04.7	033	02	10.0	08.9	009
27.0																	01	13.0	13.0	094				
30.0																								
33.0																								

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

SEPTEMBER,1967.(BHADRA 10 - ASVINA 8,1889 SAKA)

STATION	GWALIOR	JABALPUR		JAGDALPUR	JHARSUGUDA	JODHPUR
TIME IN I.S.T.	1730	0530	1730	1730	0530	0530*
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	11 09.4 07.1 263	01 05.0 05.0 300	01 03.0 03.0 171	01 06.0 06.0 055	02 11.0 10.3 112	15 06.6 05.1 262
12.0	08 10.3 09.7 254				02 13.0 11.2 140	13 06.3 04.1 225
14.1	05 09.6 08.8 245				01 23.0 23.0 097	10 07.9 04.5 203
16.2	02 06.0 06.0 079				01 21.0 21.0 095	07 05.7 03.5 089
18.0	02 11.0 05.1 226					01 11.0 11.0 100
21.0						01 11.0 11.0 104
24.0						
27.0						
30.0						
33.0						

STATION	JODHPUR	LUCKNOW/AMAUSI			MADRAS/MINAMBAKKAM	
TIME IN I.S.T.	1730*	0530*	1130	1730*	0530*	1730*
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	20 09.9 04.7 239	18 09.0 04.7 305	02 11.5 11.4 262	23 09.5 04.9 246	19 12.9 12.3 105	27 13.5 12.2 098
12.0	17 08.6 04.2 219	15 10.4 04.4 242	01 17.0 17.0 265	19 10.2 03.5 231	19 17.9 16.9 090	27 18.4 17.3 093
14.1	15 08.0 04.5 195	13 12.5 05.7 238		15 10.3 05.0 215	09 24.1 22.8 084	19 28.0 18.6 090
16.2	05 12.5 04.3 154	09 11.8 05.2 253		14 09.1 01.9 206	05 20.0 15.2 095	12 26.2 25.8 098
18.0	04 07.2 06.7 111	03 09.3 02.1 163		09 08.7 06.7 096	01 09.0 09.0 065	04 06.7 06.5 076
21.0	03 07.3 05.8 146	03 14.3 07.0 249		04 13.0 08.0 100		03 10.7 10.5 093
24.0	01 07.0 07.0 205			01 21.0 21.0 095		
27.0						
30.0						
33.0						

STATION	MANGALORE/BAJPE			MINICOY	NAGPUR/SONEGAON	
TIME IN I.S.T.	0530	1730	0530	1130	1730*	0530*
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	01 09.0 09.0 090	01 13.0 13.0 095	01 13.0 13.0 115	02 13.0 13.0 119	27 14.2 13.4 097	28 05.3 04.5 105
12.0	01 18.0 18.0 100		01 20.0 20.0 100	01 13.0 13.0 115	27 21.6 21.2 087	28 07.9 06.4 103
14.1	01 27.0 27.0 105		01 36.0 36.0 100	01 19.0 19.0 105	20 33.5 33.0 088	20 12.5 11.5 107
16.2	01 34.0 34.0 110			01 13.0 13.0 075	17 17.8 17.0 095	13 12.6 11.7 112
18.0	01 36.0 36.0 090			01 31.0 31.0 090	14 10.5 09.7 079	05 10.4 09.6 089
21.0	01 16.0 16.0 110				05 08.6 04.3 080	01 05.0 05.0 115
24.0					02 12.0 12.0 103	
27.0						
30.0						
33.0						

STATION	NAGPUR/SONEGAON			NEW DELHI/SAFDARJUNG		PORT BLAIR
TIME IN I.S.T.	1130	1730*	0530*	1130	1730*	0530*
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	01 09.0 09.0 070	27 06.1 04.7 093	29 11.5 09.8 256	01 14.0 14.0 260	24 11.6 09.3 250	17 14.9 13.9 073
12.0	01 05.0 05.0 125	27 09.0 07.5 110	29 11.7 09.9 246		24 11.1 08.7 242	17 18.2 16.5 069
14.1		23 13.6 11.8 111	28 11.2 09.1 248		21 10.0 07.4 245	13 25.0 24.6 073
16.2		21 15.0 13.4 107	23 07.0 03.4 263		19 07.3 02.7 204	11 24.0 23.7 077
18.0		08 13.1 11.1 112	19 05.4 03.4 062		15 06.1 04.1 098	07 18.0 16.8 083
21.0		05 09.8 08.7 112	10 08.6 06.3 093		10 08.3 07.7 103	05 14.8 11.4 116
24.0		01 09.0 09.0 075	03 08.3 07.5 097		06 11.3 11.2 099	02 17.0 16.3 041
27.0					01 09.0 09.0 075	
30.0						
33.0						

STATION	PORT BLAIR	RAIPUR		RAXAUL		SRINAGAR
TIME IN I.S.T.	1730*	0530	1730	0530	1730	0530*
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	22 14.8 13.9 069	05 06.8 06.6 108	05 05.2 04.6 128	02 11.5 11.5 246	01 04.0 04.0 346	16 23.5 22.5 267
12.0	18 17.8 17.3 066	05 09.4 09.4 121	04 11.0 10.8 125	02 16.5 16.5 250	01 07.0 07.0 010	15 25.1 23.8 264
14.1	12 25.5 24.6 070	04 10.5 09.5 105	03 12.0 10.1 120	01 12.0 12.0 250		09 22.0 21.7 268
16.2	07 23.6 23.2 077	02 16.5 16.3 119	02 21.5 21.3 097	01 10.0 10.0 265		01 20.0 20.0 280
18.0	04 18.2 16.5 077	01 17.0 17.0 100	02 21.5 19.2 102	01 04.0 04.0 050		
21.0	03 15.0 14.5 098			01 09.0 09.0 114		
24.0						
27.0						
30.0						
33.0						

STATION	SRINAGAR	TRIVANDRUM		UDAIPUR		VERAVAL
TIME IN I.S.T.	1730*	0530*	1730*	0530	1730	1730
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	24 23.7 22.5 265	27 12.7 11.8 092	29 14.4 13.7 100	08 04.6 02.4 273	05 07.8 05.1 219	01 04.0 04.0 119
12.0	23 23.7 23.0 270	26 16.2 15.2 092	29 20.5 19.7 087	06 07.3 05.6 213	03 09.3 03.9 240	
14.1	13 22.4 21.5 273	22 20.9 19.6 092	27 30.0 29.6 087	02 12.0 05.1 168	01 05.0 05.0 274	
16.2	01 47.0 47.0 275	14 23.0 21.2 085	16 23.8 23.2 085	01 06.0 06.0 266	01 07.0 07.0 244	
18.0		04 21.0 20.7 084	10 07.3 04.7 090		01 14.0 14.0 245	
21.0			03 08.0 05.7 090			
24.0						
27.0						
30.0						
33.0						

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

SEPTEMBER,1967.(BHADRA 10 - ASVINA 8,1889 SAKA)

STATION	VIJAYWADA/GANNAVARAM				VISHAKHAPATNAM																			
TIME IN I.S.T.	0530				0530*				1130				1730*											
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	04	06.7	00.7	086	26	09.3	07.6	096	01	15.0	15.0	095	24	07.9	05.7	086								
12.0	03	07.7	07.6	104	25	14.2	13.8	084	01	16.0	16.0	105	24	10.9	10.2	098								
14.1	02	12.5	12.5	094	21	21.9	21.0	083	01	17.0	17.0	105	17	18.0	17.1	081								
16.2	01	17.0	17.0	105	15	19.4	18.9	093	01	17.0	17.0	105	15	23.8	23.6	099								
18.0					09	16.5	16.4	099					07	16.4	16.0	105								
21.0					02	17.0	17.0	086					02	15.0	14.1	073								
24.0					01	17.0	17.0	065																
27.0					01	24.0	24.0	109																
30.0																								
33.0																								

RADIOSONDE DATA.

During the month, observations of upper air temperature, pressure and humidity were made at 16 stations in India as given in the list below. For detailed description of the instruments used, a reference may be made to the I.M.D. Scientific Notes Nos. 112 and 113 (Volume IX).

LIST OF RADIOSONDE STATIONS IN INDIA

S.No.	Name of Station	Type of instrument used	Date of Starting	Hours of routine observations in GMT during the month	Remarks
1.	Ahmadabad	Fan type	20th Jul. 1961	00 and 12	
2.	Bangalore	Fan type	10th Mar. 1961	00 and 12	
3.	Bombay/Santa Cruz	Clock type	7th Sep. 1954	00 and 12	
4.	Calcutta/Dum Dum	Clock type	13th Dec. 1946	00 and 12	Fan type used from 13.12.1946 to 30.11.1947.
5.	Cochin/Ernakulam	Fan type	1st Aug. 1966	00 and 12	
6.	Gauhati	Clock type	22nd Jul. 1955	00 and 12	
7.	Jodhpur	Clock type	17th Apr. 1946	00 and 12	
8.	Lucknow	Clock type	15th Aug. 1966	00 and 12	
9.	Madras/Minambakkam	Fan type	29th Jun. 1946	00 and 12	
10.	Minicoy	Fan type	12th May. 1963	00 and 12	
11.	Nagpur/Sonegaon	Fan type	1st Oct. 1946	00 and 12	
12.	New Delhi/Safdarjung	Clock type	3rd Dec. 1943	00 and 12	
13.	Port Blair	Fan type	4th Dec. 1949	00 and 12	
14.	Srinagar	Clock type	1st Aug. 1962	00 and 12	
15.	Trivandrum	Fan type	1st Jul. 1947	00 and 12	
16.	Visakhapatnam	Fan type	8th Dec. 1946	00 and 12	

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT,TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(A) FROM ASCENTS AT 00 HRS G.M.T.
SEPTEMBER,1967.(BHADRA 10 - ASVINA 8,1889 SAKA)

STANDARD PRESSURE SURFACE MB	AHMADABAD SURFACE PR (999 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BANGALORE (909 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BOMBAY/SANTACRUZ (1005 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00055	297.9	299	296	295.9	30	00921	292.6	295	291	291.1	30	00013	298.2	300	297	296.3
1000	30	00046	298.0	300	297	295.0	30	00094					30	00061	298.1	300	297	296.0
900	30	00972	295.4	300	292	290.1	30	01005	292.3	295	290	290.6	29	00984	293.7	295	291	290.2
850	30	01468	292.7	297	287	288.0	30	01498	290.4	293	286	287.3	29	01478	291.2	293	289	287.3
800	30	02000	289.9	294	286	284.5	30	02013	288.5	291	283	284.5	29	01997	288.4	291	286	283.9
700	30	03118	284.3	293	278	277.2	30	03139	282.6	288	281	278.5	29	03122	283.7	286	280	276.9
600	29	04387	277.4	281	274	266.9	30	04407	276.4	280	275	271.5	29	04391	277.1	280	273	271.8
500	29	05856	270.7	276	262		30	05869	269.1	272	265		29	05857	270.4	272	267	
400	28	07595	260.4	269	256		30	07598	257.9	262	255		29	07594	260.0	263	255	
300	28	09740	247.7	255	241		30	09707	242.7	248	239		29	09728	245.5	249	243	
250	27	11031	237.2	245	232		30	10979	233.1	238	230		29	11016	236.4	241	234	
200	25	12548	225.8	234	221		30	12468	221.0	228	218		29	12524	224.1	227	219	
175	23	13424	219.1	228	213		29	13302	214.6	222	211		28	13397	217.6	221	213	
150	23	14383	211.8	221	204		29	14271	207.7	215	202		26	14368	211.5	217	206	
125	20	15504	203.8	215	195		28	15346	201.0	207	196		26	15503	204.9	213	197	
100	18	16776	198.7	208	190		27	16669	196.8	204	191		22	16812	200.8	207	195	
80	13	18117	199.1	211	189		27	17993	202.0	209	198		17	18135	204.5	215	199	
70	12	18914	203.7	215	189		26	18798	205.1	213	200		13	18959	207.4	215	201	
60	10	19836	209.4	221	193		24	19725	208.1	216	202		11	19891	210.5	218	203	
50	07	21041	215.6	227	206		23	20820	211.1	218	203		09	20984	214.2	219	208	
40							16	22205	214.1	221	205		07	22382	216.4	221	213	
30							08	24005	216.9	221	207							
20																		
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STANDARD PRESSURE SURFACE MB	CALCUTTA/DUM DUM SURFACE PR (1002 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	ERNAKULAM (1009 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	GAUHATI (999 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00006	299.4	301	298	298.4	29	00003	298.2	300	297	296.4	30	00049	298.2	300	296	297.6
1000	30	00023	299.3	301	299	298.5	29	00084	297.7	300	297	296.0	29	00041	298.1	300	297	297.5
900	30	00950	295.0	298	292	293.2	29	01003	292.6	295	291	289.6	29	00963	295.5	297	293	293.6
850	30	01447	292.6	296	291	290.4	29	01494	290.2	293	287	286.6	29	01459	292.9	296	289	290.9
800	30	01969	290.0	293	288	287.8	29	02011	287.9	291	284	283.6	29	01981	290.4	293	287	288.4
700	30	03102	285.0	288	282	281.5	29	03133	282.6	287	280	276.2	29	03107	284.7	288	281	282.3
600	30	04382	278.6	282	277	274.9	29	04398	276.0	280	273	267.9	29	04384	278.1	280	274	275.0
500	30	05856	270.8	273	268		29	05856	268.5	271	265		29	05851	270.8	274	268	
400	29	07596	261.1	264	258		29	07577	257.7	261	254		28	07594	261.1	264	258	
300	28	09744	248.0	252	243		29	09689	242.4	247	239		24	09742	247.3	251	243	
250	28	11047	239.2	243	232		29	10960	233.2	236	229		23	11043	237.7	243	233	
200	28	12575	227.7	239	221		29	12451	221.3	225	217		23	12564	227.0	232	222	
175	26	13449	220.6	227	215		28	13290	215.5	221	211		20	13464	220.8	225	213	
150	26	14431	213.5	221	205		28	14263	209.4	214	203		18	14441	214.4	220	209	
125	24	15518	205.3	213	200		26	15343	202.8	207	197		16	15567	207.7	213	199	
100	24	16874	198.9	207	192		26	16683	199.9	209	191		16	16904	201.9	205	197	
80	17	18193	202.4	207	195		26	18008	205.3	217	197		12	18253	202.5	206	196	
70	15	18983	205.1	213	196		25	18811	208.1	212	201		10	19045	205.9	210	200	
60	13	19990	208.0	213	201		24	19754	210.8	220	203		08	19985	210.3	217	203	
50	12	21038	211.9	219	204		24	20890	214.5	223	207		06	21117	214.5	223	208	
40	06	22433	215.2	218	211		15	22308	216.7	227	209							
30							08	24213	220.4	225	212							
20																		
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STANDARD PRESSURE SURFACE MB	JODHPUR SURFACE PR (976 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	LUCKNOW/AMAUSI (988 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	MADRAS/MINAMBAKKAM (1005 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00217	298.5	301	295	294.7	30	00127	299.3	301	297	297.8	30	00015	299.2	301	297	296.4
1000	29	00005					30	00024					29	00060	298.6	301	297	296.5
900	29	00929	296.4	301	293	289.0	22	00953	296.9	300	295	291.4	29	00983	295.6	299	293	290.9
850	29	01427	294.3	298	290	285.0	22	01451	293.1	297	289	287.9	29	01479	292.6	297	290	288.8
800	29	01950	291.6	295	286	282.4	22	01971	290.1	293	287	283.5	29	01998	289.4	297	287	284.8
700	29	03080	284.8	287	281	274.1	22	03099	284.5	288	281	275.8	29	03120	282.5	287	279	278.0
600	26	04349	276.8	281	273	264.5	21	04370	277.7	281	273	267.9	29	04384	275.5	280	273	271.0
500	25	05810	269.6	275	266	259.8	20	05843	270.9	273	266		29	05839	268.3	271	264	
400	21	07542	260.0	267	258		18	07586	261.1	267	256		29	07559	257.2	260	253	
300	18	09663	245.7	251	242		18	09731	247.2	256	244		27	09667	242.3	248	237	
250	16	10978	236.7	244	234		16	11029	238.3	248	234		24	10938	232.8	237	227	
200	16	12448	225.1	231	221		15	12534	225.1	229	219		24	12419	220.3	229	215	
175	12	13372	218.4	223	213		13	13428	219.2	224	213		17	13274	214.8	218	208	
150	12	14335	211.0	218	204		13	14375	212.4	219	205		16	14237	208.6	213	204	
125	11	15419	202.5	208	195		11	15490	205.9	214	193		15	15339	202.6	208	196	
100	01	16723	197.2	205	192		11	16820	202.2	209	196		09	16636	197.2	202	193	
80							08	18181	206.6	215	199							
70							05	19002	208.6	213	202							
60																		
50																		
40																		
30																		
20																		
10																		

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT,TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(A) FROM ASCENTS AT 00 HRS G.M.T.
SEPTEMBER,1967.(BHADRA 10 - ASVINA 8,1889 SAKA)

STANDARD PRESSURE SURFACE	NAGPUR/SONEGAON SURFACE PR (970 MB)						NEW DELHI/SAFDARJUNG (979 MB)						PORT BLAIR (1000 MB)					
	NO OF	HT	TEMPERATURE A			DEW	NO OF	HT	TEMPERATURE A			DEW	NO OF	HT	TEMPERATURE A			DEW
MB	OBS	GPM	MEAN	MAX	MIN	POINT	OBS	GPM	MEAN	MAX	MIN	POINT	OBS	GPM	MEAN	MAX	MIN	POINT
SURFACE	30	00311	296.4	298	294	294.9	30	00209	298.6	301	296	295.0	30	00079	297.7	300	295	296.4
1000	30	00039					30	00024					24	00073	297.0	298	295	296.0
900	30	00963	295.4	299	291	293.5	30	00951	296.5	300	293	290.3	24	00991	293.9	297	290	290.7
850	30	01461	292.9	296	289	291.2	30	01449	293.7	296	291	287.7	24	01484	291.2	294	286	288.9
800	30	01983	289.5	293	286	287.8	30	01972	290.2	294	286	284.8	24	02002	288.4	292	283	284.5
700	30	03111	283.0	287	280	281.8	30	03101	284.4	287	279	277.0	24	03123	283.4	288	278	280.4
600	30	04361	276.9	289	275	275.7	30	04372	277.0	281	272	268.6	22	04391	276.6	282	272	272.2
500	30	05835	269.4	273	265		30	05845	271.9	273	265		20	05848	268.1	274	263	
400	30	07572	258.7	262	254		29	07558	259.6	262	255		19	07568	258.1	264	251	
300	30	09698	244.4	250	240		29	09702	245.7	250	241		18	09689	243.7	250	236	
250	30	10980	234.7	241	230		29	11022	236.3	242	230		17	10982	235.8	243	229	
200	30	12483	223.8	231	220		28	12501	224.4	230	219		16	12479	224.5	231	216	
175	29	13341	217.7	224	214		28	13373	218.9	224	212		14	13379	218.8	225	209	
150	29	14315	212.4	221	207		28	14344	211.6	217	205		13	14338	210.9	220	199	
125	28	15409	207.4	216	200		26	15415	203.8	209	193		12	15485	205.5	213	195	
100	24	16764	204.3	211	194		23	16771	198.8	208	190		11	16823	202.2	208	196	
80	18	18084	205.8	211	197		20	18098	203.4	212	193		10	18162	206.5	215	198	
70	16	18905	209.4	216	204		20	18904	207.9	213	196		07	19020	209.7	218	206	
60	12	19972	214.0	224	202		14	19698	213.4	219	207		06	19993	212.0	220	209	
50	09	20916	215.1	224	205		11	20989	217.2	227	212		06	21141	215.0	223	210	
40							08	22458	219.9	224	215							
30							05	24356	223.0	229	219							
20																		
10																		

STANDARD PRESSURE SURFACE	SRINAGAR SURFACE PR (838 MB)						TRIVANDRUM (1002 MB)						VISHAKAPATNAM (1000 MB)					
	NO OF	HT	TEMPERATURE A			DEW	NO OF	HT	TEMPERATURE A			DEW	NO OF	HT	TEMPERATURE A			DEW
MB	OBS	GPM	MEAN	MAX	MIN	POINT	OBS	GPM	MEAN	MAX	MIN	POINT	OBS	GPM	MEAN	MAX	MIN	POINT
SURFACE	24	01588	288.0	295	282	286.0	30	00064	297.6	299	297	295.3	30	00041	300.1	303	298	297.7
1000	24	00069					30	00079	297.6	299	297	295.3	30	00040	299.9	301	298	297.6
900	24	00983					30	01000	292.9	296	290	289.3	30	00966	293.6	298	293	292.2
850	24	01469					30	01492	290.3	293	288	285.8	30	01462	292.5	295	289	289.9
800	24	01981	287.2	293	282	282.6	30	02010	287.9	291	285	282.9	30	01981	289.4	293	287	287.1
700	24	03097	281.8	287	276	276.4	30	03132	282.6	287	277	276.4	30	03106	283.3	292	279	281.2
600	24	04304	274.4	279	269	271.8	29	04398	275.5	281	269	268.7	30	04873	276.2	281	271	274.2
500	20	05799	265.9	275	260		29	05851	267.4	271	264		29	05834	268.9	272	265	
400	18	07501	255.3	262	247		28	07566	256.8	262	251		29	07566	258.2	263	255	
300	16	09612	242.5	246	236		28	09674	241.5	249	237		29	09692	243.2	251	238	
250	15	10838	235.0	240	228		28	10937	231.9	239	227		29	10965	234.0	242	227	
200	14	12420	225.3	231	219		28	12418	220.3	230	214		29	12457	222.1	227	216	
175	13	13263	219.5	224	214		25	13264	214.4	225	208		27	13348	216.6	223	211	
150	12	14237	214.6	221	209		25	14228	207.9	219	201		26	14280	210.4	217	203	
125	12	15361	208.2	215	201		20	15339	201.9	211	195		23	15369	203.3	211	195	
100	11	16730	205.0	213	199		19	16652	200.1	213	193		22	16716	199.8	209	193	
80	08	18071	207.2	217	202		12	17939	203.7	217	195		18	18040	205.2	215	196	
70	08	18890	209.7	218	204		11	18740	206.4	219	198		14	18862	208.2	218	200	
60	08	19843	213.6	220	207		07	19596	207.1	217	201		10	19837	210.8	223	201	
50	05	21018	219.8	222	218		05	20678	209.2	217	205		08	20892	211.9	215	206	
40																		
30																		
20																		
10																		

RADIO SONDE DATA

TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE (B) FROM ASCENTS AT 12 HRS G.M.T.

SEPTEMBER, 1967. (BHADRA 10 - ASVINA 8, 1889 SAKA)

STANDARD PRESSURE SURFACE MB	AHMADABAD SURFACE PR (996 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BANGALORE (907 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BOMBAY/SANTACRUZ (1005 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00055	305.2	309	299	296.4	30	00921	300.0	303	294	292.6	30	00013	300.7	302	297	296.8
1000	30	00037					30	00056					29	00055	300.4	302	298	296.6
900	30	00974	298.5	304	293	290.5	30	00986	299.5	302	293	292.5	29	00948	294.4	299	291	291.1
850	30	01475	295.0	299	289	288.2	30	01493	295.2	298	291	289.1	29	01469	291.8	296	286	288.1
800	30	02032	291.1	295	285	284.7	30	02051	291.2	299	287	287.1	29	01969	289.1	293	287	285.8
700	30	03129	285.1	289	279	275.6	30	03147	282.9	286	279	280.1	29	03121	283.9	288	281	276.3
600	30	04409	279.3	287	274	264.0	30	04417	277.5	281	272	271.4	29	04391	277.6	283	274	272.0
500	29	05880	272.6	275	267	254.3	30	05884	270.2	275	264		29	05857	270.5	277	265	
400	28	07612	262.0	266	258		29	07618	258.9	265	246		29	07600	260.6	272	251	
300	27	09784	247.8	256	242		29	09774	243.7	249	231		28	09741	246.2	251	242	
250	26	11081	237.9	246	231		28	11027	234.0	241	225		28	11036	237.8	242	233	
200	25	12595	226.3	235	220		27	12531	222.5	229	217		28	12553	225.7	230	221	
175	22	13474	219.3	229	212		25	13382	216.1	223	211		26	13424	219.4	225	213	
150	20	14439	211.2	222	203		24	14354	209.0	214	203		25	14403	212.9	218	205	
125	19	15562	203.0	213	193		24	15503	202.5	208	197		25	15430	205.6	211	193	
100	18	16862	198.4	287	192		23	16767	197.4	203	190		22	16852	201.0	206	194	
80	16	18180	201.4	207	195		19	18085	201.6	209	195		09	18166	203.3	210	195	
70	13	19005	206.1	214	197		15	18896	204.2	213	197		06	18960	206.5	214	201	
60	10	20158	210.7	219	198		13	19707	205.5	211	200		06	19914	210.0	217	205	
50	06	21163	218.6	225	213		12	20867	208.0	213	203		05	21036	214.2	217	211	
40							05	22104	210.5	213	208							
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	CALCUTTA/DUM DUM SURFACE PR (1001 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	ERNAKULAM (1008 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	GAUHATI (997 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00006	301.5	306	298	298.2	29	00003	301.5	303	299	297.2	30	00049	301.0	305	298	298.5
1000	30	00010	301.9	306	298	298.0	29	00071	300.9	302	299	296.7	29	00020				
900	30	00941	296.1	299	294	293.2	29	00998	293.7	296	291	289.8	29	00947	296.3	300	293	293.7
850	30	01439	293.4	296	291	290.0	29	01492	291.1	294	288	287.2	29	01443	293.9	297	290	290.6
800	30	01962	290.8	293	289	287.3	29	02011	288.4	291	284	284.4	29	01965	291.1	295	287	288.0
700	30	03096	285.0	289	282	281.1	29	03135	282.8	287	279	277.1	29	03094	285.1	288	282	281.4
600	30	04376	278.5	282	275	273.5	29	04402	276.4	279	273	271.0	27	04368	278.6	283	274	274.3
500	30	05847	270.5	276	266		29	05865	268.4	271	264		27	05838	270.8	275	266	
400	30	07586	260.6	268	257		29	07588	257.8	261	253		25	07583	261.3	265	258	
300	30	09729	246.2	254	241		29	09701	242.4	246	237		25	09751	247.4	252	242	
250	29	11018	237.0	248	231		29	10974	233.8	238	229		25	11025	237.7	242	233	
200	28	12520	224.2	228	220		29	12468	222.7	229	216		22	12558	226.5	232	210	
175	27	13386	217.2	223	212		27	13328	216.5	224	209		22	13428	218.7	225	213	
150	25	14358	210.2	218	201		27	14292	210.5	219	203		20	14427	213.3	220	205	
125	23	15459	202.4	209	195		27	15385	204.3	213	197		19	15545	206.7	213	197	
100	21	16779	196.3	209	190		27	16723	198.9	207	192		16	16873	199.0	206	193	
80	13	18042	197.7	203	193		25	18022	202.0	208	196		11	18171	199.6	207	196	
70	11	18854	201.6	208	195		25	18815	205.0	211	198		09	18962	203.0	208	197	
60	10	19764	205.5	211	196		23	19314	207.4	213	199		06	19931	207.8	214	198	
50	08	20859	210.6	215	207		23	20863	210.0	214	199		06	21052	211.8	217	202	
40							20	22239	212.2	217	201		05	22405	213.4	217	205	
30							18	24053	214.7	220	201							
20																		
10																		

STANDARD PRESSURE SURFACE MB	JODHPUR SURFACE PR (975 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	LUCKNOW/AMAUSI (988 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	MADRAS/MINAMBAKKAM (1008 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00217	304.1	309	300	295.6	30	00127	304.3	307	301	298.5	30	00029	303.5	307	299	297.6
1000	26	-0007					30	00008					30	00042	303.4	307	299	297.3
900	26	00928	298.0	304	291	289.2	27	00946	299.9	305	295	292.6	30	00972	297.0	300	294	291.8
850	26	01426	294.5	301	291	286.0	27	01447	295.4	303	292	289.7	30	01470	293.8	297	291	289.1
800	26	01949	291.3	296	288	283.1	27	01971	292.3	299	288	285.9	30	01990	289.6	295	287	285.7
700	26	03068	284.6	288	281	275.9	27	03102	286.1	291	282	278.4	30	03112	283.0	286	280	279.9
600	23	04345	277.4	283	272	261.7	27	04383	280.0	283	276	270.3	30	04381	276.5	280	274	272.4
500	23	05816	270.7	274	267	253.9	27	05869	272.6	275	269	259.5	29	05839	268.2	272	263	
400	20	07553	260.7	266	257		26	07622	262.3	267	257		28	07559	256.9	262	251	
300	20	09694	246.5	251	242		25	09786	248.6	253	242		28	09667	241.8	246	233	
250	19	10888	236.8	245	232		23	11097	239.8	248	233		28	10937	232.8	238	226	
200	17	12489	225.6	233	221		21	12615	227.4	233	216		28	12425	221.4	228	214	
175	16	13349	218.4	222	211		19	13469	220.5	225	213		24	13271	215.7	221	210	
150	15	14331	211.5	215	204		15	14474	213.2	219	205		20	14252	209.7	218	205	
125	10	15447	204.0	208	196		15	15541	200.5	211	196		17	15332	202.9	206	199	
100	08	16752	198.0	203	194		13	16891	199.1	207	189		11	16645	197.3	202	191	
80	07	18053	200.0	202	197		11	18195	200.2	206	193		09	17970	201.0	210	191	
70	05	18884	205.4	209	202		10	19005	203.9	213	196		08	18740	204.0	215	194	
60							07	19951	211.1	218	202		06	19709	206.6	210	199	
50																		
40																		
30																		
20																		
10																		

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT,TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(B) FROM ASCENTS AT 12 HRS G.M.T.
SEPTEMBER,1967.(BHADRA 10 - ASVINA 8,1889 SAKA)

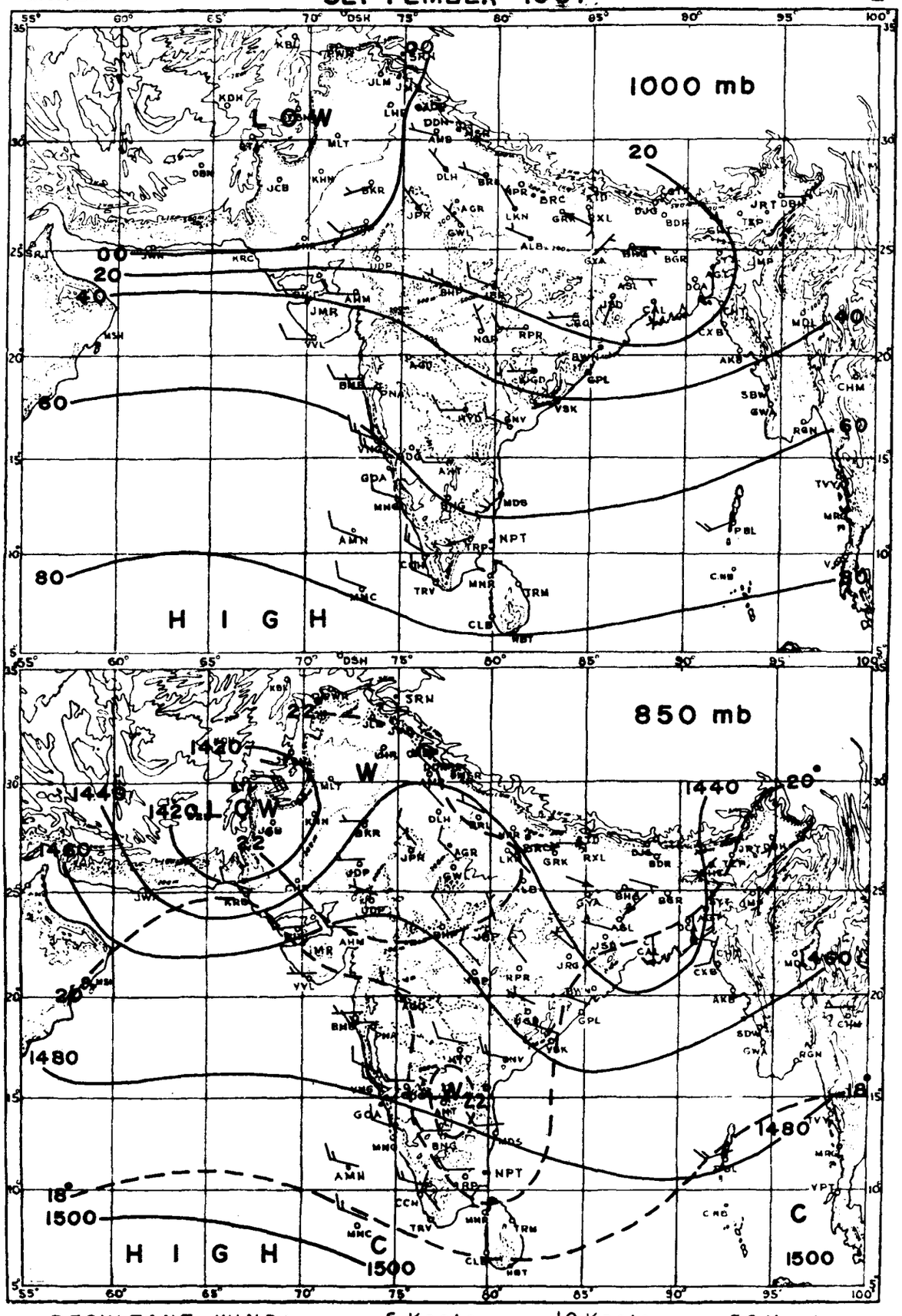
STANDARD PRESSURE SURFACE MB	MINICOY SURFACE PR (1009 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NAGPUR/SONEGAON (969 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NEW DELHI/SAFDAR JUNG (978 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00002	301.4	303	299	296.9	30	00316	301.6	307	297	295.5	30	00209	304.0	307	299	296.6
1000	28	00078	300.5	301	299	296.4	30	00025					29	00010				
900	28	00999	293.6	297	291	289.9	30	00960	297.1	306	293	295.4	29	00949	298.7	302	294	291.7
850	28	01491	291.1	293	288	286.3	30	01459	293.4	300	291	291.9	29	01449	295.3	299	290	288.9
800	28	02008	288.3	291	285	282.8	30	01981	289.8	297	285	288.4	29	01975	291.9	295	288	285.0
700	28	03127	282.7	287	279	276.5	30	03111	283.4	288	281	282.3	29	03111	285.7	289	281	276.6
600	27	04392	276.1	280	273	268.9	30	04382	277.7	282	275	276.1	27	04389	278.9	283	276	270.0
500	27	05846	268.1	273	264		30	05851	270.4	275	267		27	05862	271.0	275	265	261.2
400	27	07565	257.4	263	252		30	07586	259.9	267	256		27	07606	261.3	264	258	
300	27	09674	242.4	247	237		30	09721	245.8	253	240		25	09761	247.8	251	245	
250	27	10944	233.0	241	227		30	11011	236.5	243	229		24	11064	238.2	241	235	
200	25	12428	220.2	228	210		30	12508	224.6	233	217		24	12583	226.9	232	222	
175	22	13264	214.0	221	204		28	13383	218.1	227	210		22	13453	220.3	229	214	
150	22	14231	207.8	216	201		28	14349	211.8	221	203		21	14424	213.4	228	205	
125	22	15306	202.4	210	191		28	15463	206.8	214	196		19	15535	205.4	211	198	
100	22	16639	200.1	209	197		27	16813	202.4	208	196		18	16883	199.2	205	192	
80	19	17975	204.0	212	198		16	18157	204.1	211	199		16	18147	199.9	208	192	
70	14	18768	206.1	216	201		14	18959	206.7	214	201		14	18941	204.6	211	191	
60	10	19695	207.2	220	201		11	19907	208.9	217	201		11	19885	210.0	217	197	
50	06	20753	207.7	212	204		10	21009	213.3	224	205		10	21016	214.3	221	205	
40													08	22452	217.7	225	207	
30													08	24300	220.1	228	213	
20																		
10																		

STANDARD PRESSURE SURFACE MB	PORT BLAIR SURFACE PR (998 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	SRINAGAR (835 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	TRIVENDRUM (1001 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00079	299.4	301	297	297.4	27	01588	299.0	305	289	289.0	30	00064	301.1	302	298	295.6
1000	29	00067	299.2	300	298	296.8	27	-0018					30	00067	300.8	302	298	295.8
900	28	00986	293.7	297	287	291.9	27	00851					30	00994	294.5	297	293	289.8
850	28	01477	291.2	295	283	288.5	27	01359					30	01469	291.7	294	289	286.9
800	28	01994	288.8	293	285	284.9	27	01964	295.9	303	283	284.0	30	02008	288.9	291	287	283.6
700	28	03115	283.4	287	277	279.6	27	03111	288.0	294	282	274.0	30	03134	283.5	287	281	277.6
600	27	04378	276.6	282	269	272.1	27	04392	275.1	286	269	255.0	30	04403	276.8	281	273	270.4
500	27	05833	268.3	273	261		26	05845	267.9	275	259		30	05867	268.8	273	266	
400	25	07562	258.0	263	250		25	07565	259.0	265	247		30	07591	258.0	264	254	
300	24	09672	239.1	248	236		25	09599	243.6	252	235		30	09706	242.1	248	236	
250	22	10966	234.1	241	225		25	10959	236.7	246	227		30	10307	232.5	240	227	
200	18	12485	221.4	229	215		24	12471	223.2	234	220		30	12453	220.5	224	208	
175	14	13324	214.4	222	208		23	13355	220.9	229	212		26	13271	213.8	219	209	
150	14	14298	208.4	215	202		20	14297	214.5	223	208		26	14230	207.4	213	202	
125	12	15453	203.2	210	196		18	15432	209.5	217	205		26	15330	201.1	205	193	
100	09	16718	199.4	206	192		15	16679	206.7	221	201		21	16650	198.6	205	191	
80	06	17981	194.4	199	193		11	18144	206.3	209	200		14	17943	201.3	208	195	
70	06	18912	201.0	211	193		08	18961	210.4	216	205		13	18723	204.7	211	198	
60							07	19892	214.6	219	205		09	19679	207.9	213	203	
50							05	21006	217.6	222	209		08	20804	210.2	215	206	
40							05	22323	222.4	227	215							
30							05	24126	225.2	230	223							
20																		
10																		

STANDARD PRESSURE SURFACE MB	VISAKHAPATNAM SURFACE PR (998 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00041	301.9	304	300	298.3												
1000	30	00026	301.5	303	300	297.8												
900	30	00956	296.3	299	293	292.7												
850	30	01453	293.3	297	291	290.4												
800	30	01975	290.0	294	287	287.3												
700	30	03103	284.0	289	279	280.9												
600	29	04376	277.8	283	273	274.3												
500	29	05835	269.3	275	266													
400	28	07574	258.7	265	255													
300	27	09623	244.4	249	239													
250	27	10978	234.8	241	231													
200	27	12478	222.8	229	218													
175	22	13332	216.9	221	213													
150	22	14324	211.3	217	205													
125	21	15400	204.5	212	197													
100	20	16750	199.0	208	190													
80	17	18073	202.8	210	192													
70	11	18915	206.1	213	201													
60	07	19923	211.7	215	205													
50	06	21040	214.0	221	200													
40																		
30																		
20																		
10																		

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I.Met.D. **SEPTEMBER 1967** *Plate* **I**

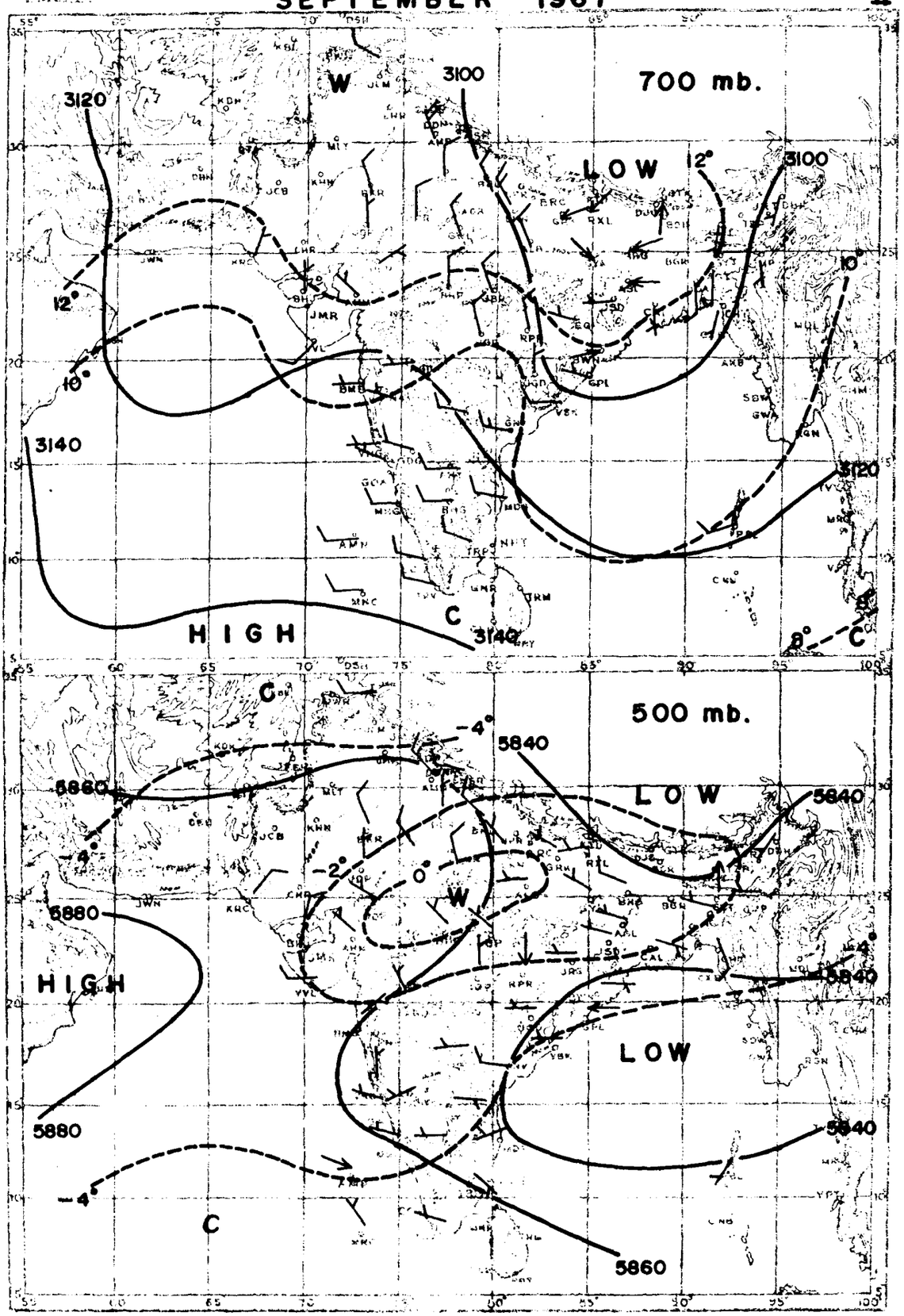


RESULTANT WIND: 5 Knots 10 Knots 50 Knots

----Isotherms in degrees Celsius;—— Contours in geopotential metres

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I Met.D. **SEPTEMBER 1967** Plate II



RESULTANT WIND — 10 Knots — 50 Knots

— Isotachs in degrees Centigrade — Contours in geopotential metres

QC
990
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1967

भारत सरकार

GOVERNMENT OF INDIA

मौसम विज्ञान विभाग

METEOROLOGICAL DEPARTMENT

भारतीय मौसम पुनरीक्षण

INDIA WEATHER REVIEW

1967

मासिक मौसम रिपोर्ट

MONTHLY WEATHER REPORT

अक्तूबर

OCTOBER

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INDIA WEATHER REVIEW, 1967

Monthly Weather Report

OCTOBER

MONTHLY WEATHER REPORT

FOR

OCTOBER 1967

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* * * *

MEANING OF SYMBOLS AND ABBREVIATIONS IN TABLES II and III

Symbol/Abbreviation	Meaning
(a)	Mean/total for 30 days.
(b)	Mean/total for 29 days.
(c)	Mean/total for 28 days.
(d)	Mean/total for 27 days.
(e)	Mean/total for 26 days.
(f)	Mean/total for 25 days.
(g)	Mean/total for 24 days.
(h)	Mean/total for 23 days.
(i)	Mean/total for 22 days.
(j)	Mean/total for 21 days.
(k)	Mean/total for 20 days.
(l)	Mean/total for 19 days.
(m)	Mean/total for 18 days.
(n)	Mean/total for 17 days.
(o)	Mean/total fof 16 days.
(p)	Mean/total for 15 days.
(q)	Mean/total for 14 days.
*	Closed during winter months.
(R)	Register not received, hence data not available.
#	Data for less than 15 days, hence no means published.
ds	Days.
@	Data rejected.
D.N.	Data not available.
E	Estimated.
H	Provisional height.

INDIA WEATHER REVIEW, 1967
Monthly Weather Report
OCTOBER

Published by authority of the Government of India

Chief features :

i) Further withdrawal of the monsoon from the rest of the country outside the south Peninsula by the middle of the month.

ii) Serious havoc over the coastal areas of Orissa caused by a micro-cyclone of severe intensity from Bay of Bengal.

iii) Formation and movement of another severe cyclonic storm and a depression in the Bay of Bengal and a severe cyclonic storm of small extent in the Comorin area.

and iv) Movement of four western disturbances across northwest India.

The low pressure area which was lying over the central parts of Assam at the end of September moved away northeastwards by 1st October. A fresh low pressure area from the east moved into the east central Bay of Bengal on 2nd and shifted slowly westwards to the west Central Bay where it persisted from 4th to 9th. The system was well marked between 6th and 8th. A trough of low pressure lying over the east central Arabian Sea off the Maharashtra coast at the beginning of the month became less marked by 3rd. Another trough of low pressure developed over the east central Arabian Sea off the Maharashtra and Mysore coasts on 7th and persisted till 9th. In association with these developments, the good rainfall activity over northeast India continued till 5th and there was also good monsoon activity over the Peninsula during the first ten days of the month. Some of the heavy rainfalls recorded were : Panjim (Goa) 8 cm. on 1st, Kailashahar 8 cm. on 2nd, Gadag 9 cm. on 3rd, Jalpaiguri 19 cm., Cooch Behar 15 cm. and Balurghat 9 cm. on 5th, Madurai 11 cm. and Tiruppattur 9 cm. on 6th, Chitradurga 9 cm. and Kallakkurichchi 8 cm. on 7th, Atirampattinam 17 cm. on 8th and Hassan 13 cm. on 9th. The Bay Islands also received widespread rains during the first week. Port Blair recorded 14 cm. of rain on 3rd and Kondul 14 cm. on 5th.

A low pressure area from the east moved into the north Andaman Sea on the morning of 6th. Moving in a northwesterly direction, the system apparently intensified into a depression by the morning of 8th when it lay centred near Lat. 18.5°N and Long. 89°E. By the morning of 9th, it had moved close to the Orissa coast and intensified rapidly into a severe cyclonic storm of very small extent (micro-cyclone) which was, however, not detectable on synoptic charts. According to the bulletin issued by U.S. Weather Bureau, Washington, the ESSA 3 photographs at 0727 hours GMT on 9th October showed a vortex at Lat. 20°N and Long. 86.5°E with diameter of central overcast two degrees and eye visible. From the report of the storm affected areas it is seen that the cyclone crossed the Orissa coast between Puri and Paradeep in the morning of 9th. It moved at first in a northnorthwesterly direction for about 50 kms. after which it recurved northnortheastwards and emerged into the head Bay of Bengal close to Chandbali by about the midnight of 9th. Thereafter, the severe cyclonic storm moved northeastwards and crossed the East Pakistan coast during the night of 10th - 11th. It weakened into a depression by 11th morning when it lay centred near Noakhali. Weakening further it moved away eastwards across Assam Hills as a low pressure area by 12th. The cyclone caused serious devastation over the coastal areas of Orissa on 9th. Extensive damages to life and property were reported in the news papers, and also confirmed by the tour of an officer of I. Met. Department. The officer of the I.M.D. who toured the storm affected areas took photographs of some of these damages. According to his report a stretch of about 120 kms. traversed by the storm more or less parallel to the coast was seriously affected over a belt of about 30 kms. width around the track. A large number of villages were destroyed and the damage to property ran into a few crores of rupees. About 1,000 persons were reported to have lost their lives and about 50,000 heads of cattle perished. Inundation caused by tidal waves affected inland areas upto about 25 kms. inland; but it was only for a short duration. Under the influence of the cyclonic storm there was also a spell of good rainfall over most parts of northeast India. Silchar recorded 10 cm. of rain, Sagar Island 25 cm. and Contai 9 cm. on 10th.

The monsoon which had withdrawn from east Uttar Pradesh, east Madhya Pradesh and Bihar State at the beginning of the month withdrew further from the remaining parts of northeast India and the north Peninsula

in the wake of the above disturbance and remained confined to the south Peninsula after 13th.

The Madras State and Kerala continued to receive good rainfall during the second fortnight. A low pressure wave moved westwards from the southwest Bay of Bengal across Comorin and Maldive areas during the period 14th - 16th. In association with it there was increased rainfall over the extreme south Peninsula. Palayankottai recorded 8 cm. on 16th.

Under the influence of an upper air cyclonic circulation over Ceylon and neighbourhood on 18th, a low pressure area developed over Comorin area on 19th. It intensified into a cyclonic storm of small extent by the morning of 20th with centre about 100 kms. west of Colombo. Taking a northeasterly course, it slowly moved into Ceylon and weakened into a depression by the evening of 21st. Later it merged into the southwest Bay of Bengal and weakened off rapidly. Under its influence, the extreme south Peninsula received widespread rainfall with some heavy falls. Palayankottai recorded 12 cm. of rain on 20th and Tondi 18 cm., Atirampattinam 13 cm., Nagapattinam 9 cm., Vedaranniyam 8 cm. and Tuticorin, Cuddalore and Punalur 7 cm. each on 21st. According to press reports, the cyclonic storm caused serious floods and havoc in Ceylon.

A low pressure area from the east moved into the south Andaman Sea on 18th. Moving slowly westwards it concentrated into a depression over the southeast Bay of Bengal by the morning of 20th with centre near Lat. 9°N and Long. 90°E. Taking a northerly course, it intensified into a cyclonic storm by the morning of 22nd centred near Lat. 14°N and Long. 89°E. Later it recurved northnortheastwards and further intensified into a severe cyclonic storm by the next morning when it was centred near Lat. 19°N and Long. 91°E. It crossed the East Pakistan - Arakan coasts near Cox's Bazaar during the night of 23rd - 24th and rapidly weakened into a depression by 24th morning. Weakening further it moved away northeastwards across upper Burma. In association with it, there was a spell of good rainfall over the Bay Islands. Nancowry recorded 11 cm. of rain and Kondul 8 cm. on 21st. Assam also received scattered rainfall at the beginning of the last week.

Another low pressure area which lay over the south Andaman Sea on 26th moved slowly westwards across the south Bay of Bengal and passed across the Maldive area by the end of the month. A fresh low pressure area which followed in its immediate wake lay over the south Andaman Sea on 28th. Moving westwards, it concentrated into a depression by the morning of 31st with centre near Lat. 10°N and Long. 85°E. In association with these developments, the rainfall activity over the south Peninsula increased considerably during the last four days of the month. The rainfall belt also extended to the north Peninsula towards the end of the month. Coonoor recorded 10 cm. of rain on 30th and Madras 7 cm. on 31st.

Four Western disturbances affected northwest India during the month. The first western disturbance lay over West Pakistan and adjoining Rajasthan on 4th. It moved away eastwards across the Western Himalayas on 5th causing light to moderate precipitation there and over northwest Rajasthan. Chaparmukh recorded 5 cm. of rain on 4th. The second western disturbance lying over West Pakistan on 8th was feeble. It moved slowly eastwards across northwest India causing very light rain over Jammu and Kashmir. The next western disturbance was also feeble and moved slowly eastwards from West Pakistan across the Western Himalayas during the period 15th - 20th. It caused light to moderate precipitation over the Western Himalayas and adjoining Plains. The last western disturbance of the month appeared over Baluchistan and adjoining Afghanistan on 23rd. It moved into Punjab, Haryana and Rajasthan on 25th when it was well marked. Moving further eastwards to west Uttar Pradesh it weakened off by 28th. Under its influence, there was fairly well distributed rainfall over most parts of northwest India. Joshimath recorded 5 cm. of rain on 26th.

Night temperatures were generally below normal over northeast India and the Peninsula during the second fortnight and over the central parts of the country during the third week. Day temperatures were above normal over the north Peninsula and central parts of the country during the first three weeks, being appreciably so over Madhya Pradesh on a number of days. Day temperatures were also above normal over Gujarat State during the second and third week and over West Bengal, Orissa, Bihar State and Rajasthan during the second week. They were below normal over northwest India from 18th till the end of the month.

The total rainfall for the month was in large excess in Jammu and Kashmir, in moderate excess in Bay Islands, in slight excess in Madras State and normal in Sub-Himalayan West Bengal, Rayalaseema, North Interior

Mysore, Kerala and Arabian Sea Islands. It was in slight defect in south Interior Mysore, in moderate defect in Assam, Gangetic West Bengal, Punjab,West Rajasthan, Konkan, Madhya Maharashtra, Marathwada and coastal Mysore and in large defect in Orissa, Bihar, Uttar Pradesh, Haryana, Himachal Pradesh, East Rajasthan, Madhya Pradesh, Gujarat, Saurashtra, Vidarbha, coastal Andhra Pradesh and Telangana. There was no rain in Gujarat.

The mean maximum temperature was above normal in Orissa, East Uttar Pradesh, East Rajasthan, west Madhya Pradesh, Gujarat, Madhya Maharashtra, Marathwada, Vidarbha and coastal Andhra Pradesh. It was normal over rest of the country except in Jammu and Kashmir where it was below normal.

The mean minimum temperature was below normal in Assam, West Bengal, Orissa, Bihar, Uttar Pradesh, Punjab, Himachal Pradesh, Jammu and Kashmir, East Rajasthan, coastal Andhra Pradesh, Rayalaseema and south Interior Mysore. It was normal over rest of the country.

The mean cloud amount in the morning was above normal in Jammu and Kashmir and normal over Bay Islands, South Assam, Punjab, Madras, Coastal Mysore,Kerala and Arabian Sea Islands. It was below normal over rest of the country.

The mean cloud amount in the evening was above normal in Punjab and Jammu and Kashmir and normal over Bay Islands, Haryana, Marathwada, Rayalaseema, Madras, Mysore, Kerala and Arabian Sea Islands. It was below normal over the rest of the country.

Poona-5.

14th March 1968.

R. ANANTHAKRISHNAN,

for Director General of Observatories.

SG/

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS - OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1. ASSAM (INCLUDING NEFA, N.L. ETC)	100.1	62	29.8	19.8	81	79	3.3	2.7
	- 61.7		-0.2	-1.5	- 1	- 3	-1.4	-1.2
2. WEST BENGAL	113.2	82	31.7	21.6	72	69	2.0	2.1
	- 24.8		+0.5	-1.3	- 6	- 6	-1.4	-1.6
3. ORISSA	33.4	23	32.3	21.4	73	64	2.6	3.0
	-113.0		+1.5	-1.2	- 6	- 9	-1.4	-1.7
4. BIHAR	18.3	25	31.5	20.0	70	62	1.4	1.8
	- 54.6		+0.6	-1.5	- 4	- 6	-1.5	-1.3
5. UTTAR PRADESH	6.7	11	32.6	17.8	65	51	0.6	0.7
	- 53.7		+0.9	-1.4	- 6	- 6	-1.0	-1.0
6. HARYANA (INCLU. DELHI CHANDIGARH)	16.9	44	31.9	17.2	66	43	0.6	0.7
	- 21.4		-0.7	-0.1	+ 2	+ 1	-0.2	-0.1
7. PUNJAB	23.2	65	32.1	16.0	67	43	1.0	1.1
	- 12.5		-0.6	-1.1	+ 1	- 3	+0.1	+0.2
8. HIMACHAL PRADESH	28.7	36	28.8	11.8	82	55	1.2	1.3
	- 52.0		-0.1	-1.4	- 5	- 3	-1.3	-0.9
9. JAMMU AND KASHMIR	38.1	246	25.2	11.3	74	60	2.3	3.9
	+ 22.6		-1.8	-1.3	+ 4	+ 9	+0.7	+1.3
10. RAJASTHAN	4.7	23	34.8	17.8	59	35	0.4	0.6
	- 15.6		+0.8	-1.0	- 1	- 4	-0.7	-0.8
11. MADHYA PRADESH	5.9	12	32.8	18.0	62	43	1.0	1.6
	- 42.3		+1.5	-0.7	- 7	- 9	-1.5	-1.5
12. GUJARAT STATE (INCLU. DIU ETC)	0.1	0	35.3	21.0	67	42	1.0	0.7
	- 30.7		+1.2	-0.4	- 3	- 5	-0.8	-1.4
13. MAHARASHTRA STATE (INCL. GOA)	42.1	53	32.9	20.4	67	47	1.8	2.9
	- 37.7		+1.4	-0.7	- 6	- 9	-1.7	-1.2
14. ANDHRA PRADESH	46.4	33	32.1	21.8	74	58	2.9	3.6
	- 95.5		+0.7	-1.1	- 4	- 8	-1.7	-1.7
15. MADRAS STATE (INCL. PUNDICH.)	223.9	116	31.4	23.0	81	73	5.4	6.1
	+ 31.5		-0.4	-0.9	+ 3	+ 3	+0.2	+0.4
16. MYSORE	112.2	81	30.1	19.8	76	55	4.0	4.9
	- 27.1		+0.6	-0.9	- 4	- 9	-1.0	-0.7
17. KERALA	267.7	93	30.2	23.0	85	77	5.5	6.5
	- 21.0		+0.1	-0.5	0	- 2	-0.2	+0.1

SUB-DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
SUB-DIVISION								
1. BAY ISLANDS	447.4	134	29.4	22.8	85	89	5.9	5.8
	+112.4		0.0	-1.0	+ 2	0	-0.3	-0.1
2. NORTH ASSAM (INCLUDING NEFA)	85.9	61	30.2	19.8	80	79	3.2	2.5
	- 55.9		+0.1	-1.7	- 2	- 3	-1.5	-1.4
3. SOUTH ASSAM (INCL. N. LAND ETC)	134.5	64	28.7	19.6	82	79	3.6	3.0
	- 75.9		-1.0	-1.2	- 1	- 2	-1.0	-1.1
4. SUB-HIMALAYAN WEST BENGAL	163.7	105	31.2	19.7	73	72	2.0	2.1
	+ 7.7		+0.6	-2.0	- 5	- 5	-1.4	-1.0
5. GANGETIC WEST-BENGAL	96.3	73	31.9	22.3	72	68	2.0	2.2
	- 35.7		+0.5	-1.1	- 5	- 7	-1.4	-1.7
6. ORISSA	33.4	23	32.3	21.4	73	64	2.6	3.0
	-113.0		+1.5	-1.2	- 6	- 9	-1.4	-1.7
7. BIHAR PLATEAU	18.6	22	31.0	19.4	67	59	1.3	2.1
	- 66.7		+0.9	-1.5	- 7	- 8	-2.1	-1.7
8. BIHAR PLAINS	18.1	28	32.0	20.6	73	65	1.6	1.6
	- 46.1		+0.4	-1.3	- 2	- 4	-1.0	-0.8
9. UTTAR PRADESH (EAST)	4.8	7	33.4	18.8	67	54	0.5	0.5
	- 64.7		+1.2	-1.5	- 7	- 8	-1.3	-1.4
10. UTTAR PRADESH (WEST)	9.2	19	31.6	16.5	63	46	0.6	0.9
	- 39.0		+0.7	-1.3	- 5	- 5	-0.7	-0.5
11. HARYANA (INCLU. DELHI CHANDIGARH)	16.9	44	31.9	17.2	66	43	0.6	0.7
	- 21.4		-0.7	-0.1	+ 2	+ 1	-0.2	-0.1
12. PUNJAB	23.2	65	32.1	16.0	67	43	1.0	1.1
	- 12.5		-0.6	-1.1	+ 1	- 3	+0.1	+0.2
13. HIMACHAL PRADESH	28.7	36	28.8	11.8	82	55	1.2	1.3
	- 52.0		-0.1	-1.4	- 5	- 3	-1.3	-0.9
14. JAMMU AND KASHMIR	38.1	246	25.2	11.3	74	60	2.3	3.9
	+ 22.6		-1.8	-1.3	+ 4	+ 9	+0.7	+1.3
15. RAJASTHAN (WEST)	5.2	66	35.4	18.5	61	39	0.5	0.6
	- 2.7		+0.4	-0.7	+ 5	+ 6	-0.3	-0.6
16. RAJASTHAN (EAST)	4.2	13	34.2	17.2	57	32	0.3	0.7
	- 27.3		+1.2	-1.3	- 6	-12	-1.1	-1.0
17. MADHYA PRADESH (WEST)	1.0	3	33.7	17.6	58	37	1.0	1.5
	- 37.6		+2.0	-0.6	- 7	- 8	-1.1	-1.3
SUB-DIVISION (CONTD)								
18. MADHYA PRADESH (EAST)	12.5	20	31.6	18.5	69	50	1.0	1.9
	- 48.5		+1.0	-1.0	- 6	-10	-2.0	-1.6
19. GUJARAT REGION (INCL. DAMAN ETC)	0.0	0	36.3	20.3	64	34	1.0	0.7
	- 28.8		+1.4	-0.3	- 3	- 8	-0.8	-1.2
20. SAURASHTRA KUTCH (INCLUDING DIU)	0.2	1	34.6	21.5	70	48	0.9	0.7
	- 31.8		+1.0	-0.4	- 3	- 3	-0.9	-1.5
21. KONKAN (INCLUDING GOA)	75.5	70	31.7	23.6	78	71	2.9	3.1
	- 31.6		+0.8	-0.3	- 3	- 4	-1.2	-1.2
22. MADHYA-MAHARASHTRA	45.8	53	33.5	18.7	65	38	1.8	2.9
	- 40.3		+1.5	-0.8	- 6	-10	-1.6	-1.4
23. MARATHWADA	38.0	74	32.8	18.3	55	34	1.6	3.4
	- 13.4		+1.2	-0.7	- 9	-13	-1.4	-0.6
24. VIDARBHA	9.2	16	33.3	20.0	64	41	1.1	2.7
	- 48.2		+1.7	-0.8	- 8	-13	-2.3	-1.1
25. COASTAL ANDHRA-PRADESH	44.1	22	32.6	23.2	75	65	3.1	3.5
	-157.5		+1.2	-1.1	- 5	- 8	-1.7	-2.0
26. TELANGANA	9.9	12	32.4	20.8	72	48	2.3	2.7
	- 73.9		+0.8	-1.0	- 4	-12	-1.8	-2.2
27. RAYALASEEMA	115.5	106	30.4	20.9	76	59	3.6	5.1
	+ 6.1		-0.8	-1.3	+ 1	- 1	-1.4	-0.7
28. MADRAS STATE (INCL. PUNDICH.)	223.9	116	31.4	23.0	81	73	5.4	6.1
	+ 31.5		-0.4	-0.9	+ 3	+ 3	+0.2	+0.4
29. COASTAL MYSORE	124.8	71	31.0	22.8	82	72	4.6	5.1
	- 51.8		+1.0	-0.6	- 5	- 8	-0.9	-0.8
30. INTERIOR MYSORE (NORTH)	95.2	96	31.0	19.8	70	47	3.2	4.6
	- 3.6		+0.5	-0.6	- 4	- 9	-1.0	-0.4
31. INTERIOR MYSORE (SOUTH)	120.9	77	28.8	18.3	79	53	4.5	5.0
	- 35.3		+0.3	-1.4	- 3	-10	-1.1	-0.9
32. KERALA	267.7	93	30.2	23.0	85	77	5.5	6.5
	- 21.0		+0.1	-0.5	0	- 2	-0.2	+0.1
33. ARABIAN SEA-ISLANDS	164.6	103	30.2	24.6	81	75	5.6	6.2
	+ 4.5		+0.2	-0.3	+ 1	- 3	+0.4	+0.6

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

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER.— OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
BAY ISLANDS																												
MAYA BANDAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
LONG ISLAND	29.7	-0.4	31.4	11	23.4	-0.5	21.8	30	65.2	326.0	- 6.9	69.2	29	16	+ 0.1	5.3	3.5	+1.8	0	19	0	0	0	0	0	0	0	0
PORT BLAIR	29.6	+0.6	31.4	19	22.9	-0.7	21.4	03	259.5	534.6	+218.1	137.4	03	23	+ 7.5	13.4	10.9	-0.2	0	29	0	0	6	5	0	0	Z	0
CAR NICOBAR	29.7	+0.1	31.0	01	21.9	-1.8	19.6	10	147.7	362.7	+ 39.5	90.0	21	16	+ 0.4	4.9	2.6	-0.3	0	19	0	0	0	0	0	0	0	0
NAN COWRY	29.3	-0.4	32.2	12	23.8	-0.4	22.2	04	167.7	522.3	+191.4	114.4	21	21	+ 4.1	6.4	4.8	-0.8	0	24	0	0	3	0	0	0	0	0
KONDUL	28.5	0.0	30.1	12	22.4	-1.6	20.7	05	184.1	491.2	+119.5	144.2	05	18	+ 0.4	3.5	2.8	-0.7	0	22	0	0	5	0	0	0	0	0
NORTH ASSAM (INCLUDING NEFA)																												
PASIGHAT	28.8	-0.2	32.1	05	19.9	-1.0	16.3	31	50.8	162.6	- 80.3	37.4	13	10	+ 1.4	6.5	10.1	+1.5	0	12	0	0	0	0	0	0	0	0
DIBRUGARH (MOHANBARI)	29.2	+0.4	31.1	06	19.3	-1.4	14.3	31	6.9	45.8	-168.3	11.7	01	6	- 4.2	4.3	2.6	-0.1	0	11	0	0	7	3	0	0	0	0
DIGBOI	29.3	+0.2	31.3	18	20.3	-0.7	15.3	31	51.1	154.5	- 7.8	38.2	05	10	- 2.0	..	..	..	0	15	0	0	0	8	0	0	0	0
NORTH LAKHIMPUR	29.2	-0.1	31.5	03	18.6	-2.0	14.5	31	11.0	95.6	-133.1	22.5	11	7	- 3.9	5.4	3.3	..	1	12	0	0	4	0	0	0	0	0
SIBSAGAR	29.5	-0.2	31.2	30	14.8	-7.0	11.7	31	30.0	109.3	- 19.5	25.0	11	9	+ 0.8	1.7	2.4	-0.8	2	11	0	0	0	1	0	0	0	0
GOHPUR	29.7	-1.2	31.9	09	18.4	-2.5	14.9	31	33.2	107.0	- 18.2	27.4	10	9	+ 5.0	4.1	3.0	..	0	11	0	0	0	0	0	0	0	0
MAJBAT	31.3	..	32.1	10	21.7	..	19.0	31	28.4	99.8	- 17.6	35.2	04	4	- 2.8	1.9	2.2	-0.9	0	4	0	0	0	0	0	0	0	0
JORHAT AERODROME	30.4	..	32.5	06	20.4	..	17.5	20	11.4	78.2	..	16.9	02	9	..	..	..	..	0	13	0	0	7	11	0	0	0	0
TANGLA	31.3	+0.7	33.0	09	20.4	-0.5	16.1	31	4.1	55.7	- 26.7	18.1	14	5	+ 0.8	3.6	2.7	+1.2	0	6	0	0	0	0	0	0	0	0
TEZPUR	30.8	+0.6	32.4	09	20.6	-1.2	17.7	31	3.0	49.6	- 58.9	25.4	14	6	- 0.4	3.7	3.3	+1.4	0	6	0	0	2	0	0	0	0	0
GOLAGHAT	30.0	0.0	32.1	06	20.5	-1.4	17.3	25	19.0	95.6	- 18.8	34.6	01	9	+ 1.9	..	..	..	0	15	0	0	0	0	0	0	0	0
RANGIA	31.0	-0.2	33.3	09	20.8	-1.1	16.6	31	5.0	29.8	- 69.4	19.1	01	3	- 2.5	..	..	..	0	4	0	0	0	0	0	0	0	0
CHAPARMUKH	31.3	0.0	33.1	06	21.5	-1.3	18.8	30	18.6	45.0	- 38.2	20.8	02	3	- 4.1	3.9	2.6	..	0	3	0	0	1	0	0	0	0	0
GOALPARA	32.1	+0.7	35.6	14	20.7	-1.2	15.4	30	22.1	50.3	-102.8	26.2	04	2	- 3.2	4.4	2.9	+0.6	0	3	0	0	0	3	0	0	0	0
GAUHATI (BHORJOR)	30.2	+0.1	32.1	09	20.6	-1.5	16.3	31	7.1	20.2	- 58.9	8.8	04	3	- 2.8	6.2	3.4	..	3	3	0	0	1	2	0	0	0	0
DHUBRI (RUPSI)	30.9	+0.6	33.1	09	19.7	-1.5	15.5	31	74.5	135.9	- 82.6	72.6	05	6	+ 0.2	7.6	5.8	+2.5	0	7	0	0	2	1	0	0	0	0
DHUBRI	29.9	+0.8	32.7	08	21.4	-1.6	18.4	31	73.2	82.0	- 64.8	42.6	05	2	- 3.4	10.9	7.4	+2.4	0	3	0	0	1	0	0	0	0	0
LUMDING	30.4	+0.2	33.3	02	19.8	-1.5	15.3	29	4.0	121.5	+ 16.1	61.0	01	6	- 0.2	2.9	1.9	..	0	10	0	0	0	0	0	0	0	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																												
TURA	29.7	+0.8	31.9	23	20.4	+0.1	17.1	24	57.0	78.9	-170.1	33.6	05	5	- 5.1	5.3	6.0	+1.4	2	8	0	0	0	0	0	0	0	0
HAFLONG	24.3	-2.6	26.3	09	18.9	-0.3	16.0	24	28.7	165.1	- 74.3	70.2	01	7	- 2.0	..	..	..	0	7	0	0	2	0	0	0	0	0
SILCHAR (KUMBHIRGRAM)	30.9	-0.5	33.4	20	20.4	-1.4	17.6	31	12.3	153.4	- 71.7	65.8	01	8	- 2.2	5.2	6.7	+1.4	1	9	0	0	1	0	0	0	0	0
SILCHAR	27.8	-3.3	30.2	06	21.9	-0.8	19.0	28	24.4	186.6	- 11.0	99.4	09	8	- 0.6	1.3	0.7	-0.7	0	9	0	0	2	0	0	0	0	0
IMPHAL (TULIHAL)	27.1	-0.5	29.9	09	14.5	-2.8	9.7	31	18.1	111.1	- 5.4	37.5	01	6	- 1.7	5.2	3.1	-0.8	0	8	0	0	1	6	0	0	0	0
KAILASHAHAR	30.9	-0.2	33.4	09	21.4	-0.9	15.6	31	78.2	160.4	-104.7	65.5	10	7	- 3.0	3.4	2.0	-0.2	0	9	0	0	5	10	0	0	0	0
AGARTALA	30.5	-0.4	33.0	09	19.9	-2.3	14.6	31	11.6	86.1	- 90.3	37.4	11	5	- 3.0	6.5	3.7	-1.2	0	7	0	0	3	2	0	0	0	0
SUB-HIMALAYAN WEST BENGAL																												
BAGHDOGRA	31.9	+1.4	34.0	03	17.4	-3.1	12.6	24	8.0	73.6	- 87.9	50.6	05	5	- 1.7	8.1	7.0	+3.5	0	7	0	0	5	0	0	0	0	0
JALPAIGURI	30.7	+0.7	32.8	02	20.0	-1.4	17.0	24	20.8	238.6	+ 88.5	185.0	05	4	- 1.9	5.3	4.8	+0.5	0	6	0	0	1	1	0	0	0	0
COOCH BEHAR AERODROME	30.2	-0.8	32.5	09	19.1	-3.0	15.8	31	92.1	259.5	+ 68.2	146.4	05	5	- 1.1	5.5	2.7	-0.4	0	8	0	0	6	4	0	0	0	0
BALURGHAT	31.7	..	33.6	03	22.0	..	16.8	31	35.2	128.0	..	93.8	05	3	..	2.5	3.2	..	0	3	0	0	0	0	0	0	0	0
MALDA	31.8	+0.9	34.8	14	22.2	-0.6	17.7	30	47.8	83.2	- 37.7	44.6	09	3	- 1.5	2.6	1.5	-3.2	0	3	0	0	2	0	0	0	0	0
GANGETIC WEST BENGAL																												
BERHAMPORE	32.7	+0.5	35.4	15	22.1	-1.2	18.5	25	70.8	78.5	- 32.2	39.4	09	5	+ 0.2	0.8	0.4	-1.6	0	5	0	0	1	0	0	0	0	0
SURI	31.8	+0.9	34.9	14	24.4	+1.8	21.0	28	..	31.7	-120.1	19.4	09	3	- 4.0	.	2.9	-2.6	0	5	0	0	1	0	0	0	0	0
ASANSOL	32.9	+1.5	35.3	14	20.4	-1.8	16.1	25	29.2	35.2	- 73.8	29.3	08	2	- 3.3	6.2	3.3	-1.5	0	4	0	0	3	0	0	0	0	0
SHANTI NIKETAN	31.5	..	34.6	14	21.7	..	17.9	30	3.8	34.2	..	31.8	05	1	..	3.7	3.6	..	0	2	0	0	2	0	0	0	0	0
KRISHNANAGAR	33.4	+0.8	35.3	04	19.6	-3.4	15.0	31	8.7	10.1	-112.6	7.4	11	1	- 4.5	..	..	..	0	3	0	0	0	0	0	0	0	0
PURULIA	31.5	+0.6	34.8	14	21.2	-1.0	16.0	31	22.0	24.4	- 49.5	22.4	09	1	- 3.4	5.1	3.2	-0.5	0	2	0	0	1	0	0	0	0	0
BANKURA	33.0	..	35.0	05	22.1	..	18.3	31	77.4	77.4	- 11.0	35.4	10	3	- 1.7	4.9	2.3	..	0	4	0	0	0	0	0	0	0	0
BIRDWAN	32.3	+0.9	35.7	14	21.8	-1.9	19.0	04	0.0	0.0	- 94.5	0.0	..	0	- 4.8	5.1	5.2	+1.2	0	0	0	0	0	0	0	0	0	0
CALCUTTA (DUM DUM)	31.5	+0.1	34.0	15	22.6	-1.0	18.5	31	119.7	147.7	+ 8.8	56.5	11	3	- 3.9	6.2	3.9	-1.1	0	4	0	0	3	3	0	0	0	0
CALCUTTA	32.1	+0.3	35.0	03	23.2	-0.7	19.5	31	74.2	107.3	- 20.0	58.3	11	2	- 4.7	6.7	3.9	+0.8	0	4	0	0	5	0	0	0	0	0
MIDNAPORE	31.3	-0.1	34.1	14	21.9	-1.1	18.0	31	2.2	12.5	-101.8	10.4	10	1	- 4.8	..	..	..	0	3	0	0	0	0	0	0	0	0
CONTAI	31.4	+0.3	33.6	03	23.7	-1.0	20.9	24	74.3	149.4	- 89.4	91.1	10	4	- 4.7	6.0	4.1	-0.5	0	4	0	0	0	0	0	0	0	0
SAGAR ISLAND	30.2	+0.2	32.6	03	24.4	-0.7	21.7	31	320.8	481.5	+267.6	250.0	10	5	- 2.9	13.5	11.3	-0.6	0	5	0	0	2	0	0	0	1	0
SANDHEADS	31.1	..	35.4	09	25.9	..	11.8	09	34.0	71.6	- 60.5	50.8	10	2	- 4.1	..	..	..	2	3	0	0	1	0	0	0	0	0
ORISSA																												
BARIPADA	32.3	-0.3	33.0	14	20.3	-2.0	15.4	31	11.5	25.3	-153.1	16.6	10	2	- 7.0	2.9	1.6	-0.1	0	4	0	0	2	1	0	0	0	0
JHARSUGUDA	32.7	+1.6	34.6	14	21.1	-0.7	16.7	30	0.0	0.6	- 79.5	0.6	09	0	- 5.4	5.5	4.9	-1.2	0	1	0	0	1	0	0	0	0	0
KEONJHARGARH	31.4	+2.6	32.9	07	19.0	-2.5	15.7	04	0.4	28.7	- 75.8	28.2	05	1	- 6.0	3.1	3.1	-0.9	1	2	0	0	0	0	0	0	0	0
BALASORE	31.5	+0.7	34.1	02	22.1	-1.3	17.6	31	41.2	76.1	-109.1	34.6	11	2	- 3.8	3.0	4.5	+0.1	0	4	0	0	0	1	0	0	0	0
SAMBALPUR	32.4	+0.9	34.1	04	21.0	-1.0	15.8	31	0.0	0.0	- 57.9	0.0	..	0	- 3.6	2.6	2.0	-1.8	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER.— OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27
ORISSA (CONTD.)																											
ANGUL	32.3	+1.3	34.4	15	21.4	-1.1	18.4	28	9.6	9.6	- 94.3	9.6	10	1	- 5.0	4.9	5.6	0.0	0	1	0	0	0	1	0	0	0
CHANDBALI	31.5	+0.7	34.4	04	22.7	-0.9	18.5	31	68.8	217.8	+ 7.2	172.8	10	4	- 4.6	8.0	5.5	-0.6	0	4	0	0	0	0	0	0	0
BHUBANGIR	32.1	+1.1	35.0	15	21.0	-1.1	17.6	26	1.8	1.8	- 98.9	1.8	04	0	- 6.0	3.0	3.5	-1.8	0	1	0	0	0	0	0	0	0
PHULBANI	30.4	..	32.4	13	16.4	..	10.2	24	0.0	0.0	..	0.0	..	0	..	3.4	1.6	..	0	0	0	0	0	0	0	0	0
CUTTACK	33.6	+1.6	35.8	16	23.3	-0.4	20.0	26	21.2	24.4	-117.3	8.6	06	3	- 3.8	4.6	2.7	-1.6	0	4	0	0	0	1	0	0	0
TITLAGARH	32.4	+1.0	34.3	03	20.7	-1.6	16.8	24	9.5	9.5	- 72.2	6.1	10	2	- 3.3	2.6	2.5	-0.1	0	2	0	0	1	0	0	0	0
BHUBANESWAR	32.0	+1.1	33.5	13	21.7	-1.4	17.9	26	22.6	27.5	-238.3	11.5	05	3	- 6.7	11.5	8.3	-0.2	0	4	0	0	2	2	0	0	0
PURI	32.5	+1.3	34.3	04	27.2	+2.2	22.8	28	0.0	25.0	-167.8	21.0	03	2	- 5.6	11.4	8.8	-3.5	0	2	0	0	0	0	0	0	0
GOPALPUR	32.5	+1.4	35.0	04	21.4	-2.5	18.0	25	1.8	18.3	-202.2	8.2	06	4	- 3.0	11.2	8.2	-2.3	0	4	0	0	0	1	0	0	0
KORAPUT	27.2	+0.4	29.6	13	16.4	-2.1	12.4	24	2.4	3.2	-122.2	2.1	31	0	- 8.0	..	..	..	0	2	0	0	0	0	0	0	0
BIHAR PLATEAU																											
HAZARIBAGH	32.1	+0.6	34.5	15	21.0	-0.6	16.4	31	27.8	46.5	- 57.1	19.8	09	4	- 0.8	4.8	2.8	-0.3	0	4	0	0	0	0	0	0	0
DALTONGANJ	32.0	+0.8	34.7	14	18.1	-2.1	14.1	31	0.8	19.8	- 33.5	19.8	08	1	- 2.4	2.7	3.7	+0.3	0	1	0	0	0	0	0	0	0
HAZARIBAGH	28.8	+0.3	31.0	14	17.7	-1.0	11.7	22	9.6	13.5	- 66.0	7.3	09	2	- 2.9	8.3	5.6	-0.7	0	3	0	0	4	1	0	0	0
DHANBAD	31.7	+1.1	34.7	13	20.2	-1.5	16.8	25	38.2	40.6	- 36.7	35.2	09	2	- 2.8	2.5	2.0	-4.2	0	2	0	0	0	0	0	0	0
RANCHI	30.0	+1.5	33.2	16	..	..	..	..	10.0	23.4	- 67.0	13.4	09	2	- 3.0	1.8	2.9	-0.4	0	2	0	0	0	0	0	0	0
RANCHI AERODROME	28.1	+0.5	31.0	14	17.7	-1.7	15.1	06	5.8	18.1	- 91.2	15.1	09	2	- 4.0	10.9	7.1	-1.6	0	2	0	0	2	0	0	0	0
JAMSHEDPUR	32.8	+1.2	36.0	14	20.4	-1.8	13.8	30	3.6	3.6	- 70.8	3.6	10	1	- 4.0	6.5	4.5	+0.7	0	1	0	0	0	0	0	0	0
JAMSHEDPUR P.R.O.	31.6	+0.9	34.8	14	20.5	-1.4	15.5	30	2.2	2.2	- 92.6	1.8	09	0	- 5.5	6.8	4.1	-0.5	0	2	0	0	1	1	0	0	0
CHAIBASA	32.1	+1.1	35.0	14	19.2	-2.4	15.0	27	0.0	0.0	- 85.1	0.0	..	0	- 4.6	3.7	2.5	+0.5	0	0	0	0	1	0	0	0	0
BIHAR PLAINS																											
MOTIHARI	32.2	+0.9	34.1	02	17.2	-3.9	11.9	30	14.6	14.6	- 61.6	14.6	05	1	- 1.7	0.2	1.1	-1.2	0	1	0	0	0	0	0	0	0
FORBESGANJ	30.7	-1.5	33.8	01	20.2	-0.5	16.3	31	3.2	28.6	- 52.4	12.8	05	3	- 1.3	5.2	3.3	-1.0	0	3	0	0	0	1	0	0	0
DARBHANGA	32.7	+1.3	35.1	03	21.1	-1.2	16.9	31	9.0	17.6	- 41.1	9.0	05	2	- 0.4	3.2	2.1	-0.3	0	3	0	0	0	0	0	0	0
MUZAFFARPUR	31.7	..	33.3	05	20.6	..	15.1	31	0.0	18.4	- 40.0	9.4	15	2	- 0.6	..	..	..	0	2	0	0	1	0	0	0	0
CHAPRA	32.9	..	35.6	13	22.4	..	17.4	31	0.0	2.2	- 49.8	2.2	04	0	- 2.5	2.5	2.2	..	0	1	0	0	0	0	0	0	0
PURNEA	31.3	-0.2	33.9	03	20.7	-0.8	14.0	30	8.6	29.0	- 53.3	15.0	04	2	- 1.7	2.7	1.6	-2.0	0	2	0	0	0	0	0	0	0
PATNA	33.3	+1.4	35.4	09	22.5	-0.5	18.0	31	2.0	2.0	- 52.6	2.0	05	0	- 2.9	4.2	3.9	-0.8	0	1	0	0	0	0	0	0	0
PATNA AERODROME	32.0	+0.8	34.4	13	20.5	-1.2	14.7	31	0.5	0.5	- 56.8	0.5	05	0	- 3.1	5.7	3.1	-0.9	0	1	0	0	1	0	0	0	0
ARRAH	..	..	..	..	..	..	..	..	..	1.8	- 58.1	1.4	03	0	- 3.1	..	..	..	0	3	..	..	..	..	..	..	..
BHAGALPUR	32.0	0.0	34.1	13	22.2	-0.9	17.7	31	0.3	45.1	- 33.7	44.8	04	1	- 2.5	5.2	3.6	-1.0	0	2	0	0	1	0	0	0	0
SABAUR	31.9	+0.7	34.2	02	21.3	-0.6	13.7	31	55.0	76.0	- 1.7	53.0	09	2	- 1.0	4.9	2.8	-1.8	0	3	0	0	3	1	0	0	0
JAMUI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
DEHRI	32.3	+0.5	35.0	13	20.1	-1.9	16.4	22	0.0	0.0	- 44.2	0.0	..	0	- 2.5	4.6	3.1	-0.6	0	0	0	0	0	0	0	0	0
GAYA	31.8	+0.6	34.5	02	20.0	-1.7	15.0	31	0.0	0.0	- 54.1	0.0	..	0	- 3.4	4.1	4.5	-1.5	0	0	0	0	0	0	0	0	0
UTTAR PRADESH EAST																											
KHERI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BAHRAICH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BALRAMPUR	32.9	+2.1	33.6	12	18.1	-3.2	13.2	30	0.0	0.0	-139.0	0.0	..	0	- 4.0	..	..	..	0	0	0	0	0	0	0	0	0
BARDOI	32.9	+0.7	35.4	11	19.0	-0.9	14.1	31	0.0	0.0	-112.0	0.0	..	0	- 2.6	3.5	3.1	-0.7	0	0	0	0	0	0	0	0	0
GONDA	33.5	+1.4	35.5	04	18.5	-1.5	14.1	31	0.0	12.8	- 42.1	12.8	18	1	- 1.3	3.4	3.7	+0.7	0	1	0	0	0	0	0	0	0
LUCKNOW	33.0	+0.2	35.2	12	18.8	-1.0	16.5	23	0.0	0.4	- 34.7	0.4	18	0	- 1.7	..	..	..	0	1	0	0	1	0	0	0	0
LUCKNOW (AMAUSI)	33.0	+1.3	35.5	12	18.0	-1.3	12.6	31	0.0	4.2	- 96.2	4.2	18	1	- 2.4	7.3	4.5	-1.2	0	1	0	0	2	0	0	0	1
FAIZABAD	33.4	+2.1	36.3	03	18.7	-0.7	13.8	31	0.0	0.0	- 93.4	0.0	..	0	- 2.8	..	..	..	0	0	0	0	0	0	0	0	0
GORAKHPUR	33.9	+1.7	35.7	04	20.5	-1.0	16.7	31	..	2.0	- 58.2	2.0	05	0	- 2.3	..	..	..	0	1	0	0	0	0	0	0	0
KANPUR	33.5	+0.8	36.7	11	18.9	-0.7	14.7	31	0.0	0.0	- 30.2	0.0	..	0	- 1.5	9.4	6.1	-0.2	0	0	0	0	0	0	0	0	0
KANPUR (AERODROME)	33.6	..	36.1	12	19.1	..	13.7	31	0.0	1.3	..	1.3	18	0	..	..	..	..	0	1	0	0	3	0	0	0	0
SULTANPUR	34.0	+2.1	36.5	13	17.0	-3.9	12.9	25	0.0	0.0	-100.0	0.0	..	0	- 3.6	2.6	2.0	-1.1	0	0	0	0	1	0	0	0	0
AZAMGARH	33.6	+0.9	36.4	12	19.2	-1.8	14.9	31	6.8	7.0	- 43.6	7.0	05	1	- 1.7	4.2	1.8	..	0	1	0	0	0	0	0	0	0
FATEHPUR	33.9	+1.1	36.7	12	19.2	-0.8	14.4	31	0.0	6.0	- 13.4	6.0	18	1	- 0.3	4.9	2.6	+0.1	0	1	0	0	0	0	0	0	0
BALLIA	31.2	-1.1	34.0	08	18.4	-1.5	15.0	31	0.0	0.0	-130.7	0.0	..	0	- 4.5	3.8	2.4	-0.3	0	0	0	0	0	0	0	0	0
BANDA	34.2	+1.4	37.0	13	19.7	-0.7	15.8	23	0.0	30.2	- 31.9	18.2	05	2	- 0.6	0.6	0.6	-0.5	0	2	0	0	0	0	0	0	0
ALLAHABAD (BAMHRAULI)	33.9	+1.3	36.9	13	19.4	-1.0	14.5	31	0.0	1.4	- 32.9	1.4	18	0	- 2.0	4.3	2.3	-2.2	0	1	0	0	0	0	0	0	1
VARANASI (BABATPUR)	33.1	+0.9	35.6	13	18.9	-2.2	15.0	23	0.0	12.2	- 25.4	12.2	05	1	- 1.2	8.1	5.8	-0.5	0	1	0	0	1	0	0	0	0
VARANASI	33.7	+1.2	36.5	14	19.1	-1.6	15.2	31	0.0	0.0	- 51.3	0.0	..	0	- 2.3	3.6	3.5	-2.0	0	0	0	0	0	0	0	0	0
UTTAR PRADESH WEST																											
MUKTESHWAR	21.0	-0.1	24.3	03	10.4	-1.4	5.3	26	25.4	41.4	- 61.8	15.4	26	4	- 1.5	..	..	..	0	5	0	1	9	0	0	0	0
TEHRI	30.1	+0.6	33.3	03	13.6	-2.5	10.4	21	8.6	17.5	- 72.9	12.0	26	1	- 3.0	4.5	2.3	..	1	4	0	1	7	0	0	0	0
DEHRA DUN	28.6	+0.4	31.1	10	14.3	-1.8	10.6	27	3.4	17.2	- 24.7	12.0	26	2	- 0.1	0.9	0.9	-2.4	0	3	0	0	5	0	0	0	0
RANSIARI	17.7	..	21.9	03	6.8	..	4.1	20	..	57.8	..	10.8	19	8	..	..	..	..	2	11	..	..	..	..	..	..	..

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER.- OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST (CONTD.)																												
ROORKEE	31.8	+0.9	34.0	09	15.3	-1.9	10.6	31	0.0	5.3	- 20.6	4.3	25	1	0.0	4.4	2.7	-0.5	0	2	0	0	2	0	0	0	0	0
NAJIBABAD	31.6	+1.0	34.0	09	15.4	-2.2	9.0	31	0.0	5.0	- 96.5	5.0	17	1	- 2.4	6.9	4.5	+0.8	0	1	0	0	1	0	0	0	0	0
MEERUT	33.0	+1.1	36.2	02	15.8	-2.7	11.6	31	..	0.0	- 23.9	0.0	..	0	- 0.9	.	2.4	-2.0	0	0	0	0	0	0	0	0	0	0
BAREILLY	32.8	+0.5	36.2	11	19.1	-0.4	14.6	31	0.0	12.0	- 22.8	10.2	19	1	- 0.1	6.9	4.3	+1.6	0	2	0	0	3	0	0	0	0	0
ALIGARH	33.6	+0.2	37.1	11	18.2	-0.8	14.2	22	0.0	0.0	- 9.9	0.0	..	0	- 0.6	7.7	4.9	+0.2	0	0	0	0	2	0	0	0	0	0
MAINPURI	34.8	+0.8	37.0	12	18.1	-0.8	14.0	31	0.0	1.3	- 21.3	1.3	18	0	- 1.0	..	..	..	0	1	0	0	0	0	0	0	0	0
AGRA	33.8	+0.5	36.6	10	18.7	-0.4	14.6	22	0.0	0.0	- 19.6	0.0	18	0	- 0.8	..	..	..	0	0	0	0	0	0	0	0	0	0
AGRA AERODROME	33.9	..	36.7	10	17.8	..	13.9	25	2.0	2.5	..	2.0	26	0	..	..	..	..	0	2	0	0	1	0	0	0	0	0
ETAWAH	34.4	+1.6	37.4	12	19.6	-0.3	16.0	31	0.0	3.0	- 76.3	3.0	18	1	- 1.9	..	..	..	0	1	0	0	0	0	0	0	0	0
JHANSI	34.2	+0.9	38.0	12	19.7	+0.2	16.3	31	0.0	7.4	- 18.3	7.4	18	1	- 0.2	3.6	3.6	-0.7	0	1	0	0	0	0	0	0	0	0
HARYANA (INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	31.7	+1.0	35.5	13	16.8	+0.2	12.0	31	7.1	30.1	- 51.8	10.4	18	4	+ 0.4	..	..	..	0	4	0	0	2	0	0	0	0	0
AMBALA	31.8	-1.4	34.8	04	16.5	+0.1	13.2	23	0.6	13.5	- 9.1	12.4	26	1	0.0	8.7	7.2	+2.8	0	3	0	0	0	0	0	0	0	0
AMBALA AERODROME	31.8	..	35.0	11	13.7	..	9.5	22	1.0	9.8	..	5.0	25	2	..	..	..	..	0	3	0	0	4	0	0	0	0	0
KARNAL	31.3	-0.2	35.1	05	17.1	-0.2	0.0	00	1.0	10.0	- 49.8	9.0	25	1	- 0.9	5.1	4.7	..	0	2	0	0	0	0	0	0	0	0
HISSAR	32.5	-2.1	36.9	01	17.3	-0.1	12.3	31	0.0	5.8	- 7.4	5.8	04	1	+ 0.4	5.7	5.5	+0.2	0	1	0	0	2	0	0	0	0	0
NEW DELHI/SAFDARJUNG	32.4	-0.7	36.4	10	18.5	-0.2	14.6	31	6.7	24.9	+ 10.7	18.0	18	2	+ 1.2	10.7	6.8	+0.5	0	2	0	1	2	0	0	0	1	0
PALAM AERODROME	32.6	..	36.0	10	17.0	..	11.4	30	3.6	4.9	..	2.8	19	1	..	..	..	..	0	3	0	0	2	0	1	0	4	0
PUNJAB																												
PATHANKOT	30.9	+0.1	33.6	09	14.3	-2.6	10.0	30	0.0	16.0	- 99.3	11.8	25	2	- 0.8	..	..	..	0	2	0	0	4	0	0	0	0	0
AMRITSAR	31.6	-0.3	35.4	02	16.4	-0.2	12.6	31	0.0	29.9	- 11.9	21.8	25	2	+ 0.6	..	..	..	0	2	0	0	4	0	0	0	0	0
ADAMPUR AERODROME	31.9	..	36.0	01	17.0	..	10.1	31	14.7	55.7	..	24.7	18	3	..	..	..	..	0	3	0	0	4	0	0	0	0	0
LUDHIANA	32.5	-1.4	36.6	02	16.7	-0.8	12.4	31	0.0	33.2	+ 21.8	15.1	25	4	+ 3.2	4.5	2.9	+0.7	0	4	0	0	4	0	0	0	0	0
FEROZEPUR	32.1	-0.8	36.4	03	15.9	-1.0	12.0	31	0.0	21.2	- 1.6	10.8	25	2	+ 0.9	3.7	2.2	+0.7	0	2	0	0	0	0	0	0	0	0
HALWARA AERODROME	31.8	..	36.0	09	14.0	..	8.3	31	0.8	19.6	..	12.2	25	2	..	..	..	..	0	3	0	1	5	0	0	0	2	0
PATIALA	32.1	-0.3	35.2	05	16.6	-1.2	13.1	14	0.0	29.3	+ 13.3	27.2	26	1	+ 0.1	8.5	6.7	+0.5	0	2	0	1	3	0	0	0	0	0
BHATINDA	33.1	-1.1	38.6	03	16.1	-0.8	11.3	31	0.0	9.4	+ 2.8	9.4	25	1	+ 0.4	4.1	3.1	-0.6	0	1	0	0	3	0	0	0	0	0
HIMACHAL PRADESH																												
MANDI	28.7	+0.8	31.7	04	11.8	-1.4	8.9	31	1.8	23.1	- 65.5	11.3	26	3	- 2.0	..	..	..	0	3	0	0	2	0	0	0	0	0
BILASPUR	28.8	-1.0	32.0	09	..	..	..	..	1.0	34.2	- 38.5	20.2	18	2	- 1.1	5.5	4.5	+1.7	0	3	0	2	4	1	0	0	0	0
JAMMU AND KASHMIR																												
KISSAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GILGIT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SKARDU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DRAS	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SONAMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
LEH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SRINAGAR	19.0	-3.6	26.5	02	5.4	-0.3	2.3	21	..	45.0	..	..	..	..	..	5.2	4.1	+0.8	.	..	0	0	0	0	0	0	0	0
SRINAGAR AERODROME	17.7	..	24.4	02	5.5	..	2.1	30	14.9	46.6	..	24.8	25	3	..	..	..	..	0	3	0	0	1	0	0	0	0	0
GULMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
QAZIGUND	17.9	..	24.0	03	5.2	..	1.8	31	22.3	66.2	..	27.4	26	3	..	1.6	1.8	..	0	5	0	1	3	0	0	0	0	0
BANIHAL	21.0	..	26.8	02	6.5	..	3.1	26	16.4	69.4	..	31.0	26	3	..	..	..	..	0	7	0	1	6	0	0	0	0	0
JAMMU	31.3	-0.1	34.0	13	17.2	-2.2	13.0	20	11.4	38.1	+ 22.6	19.5	26	2	+ 0.9	..	..	..	0	2	0	0	1	0	0	0	0	0
JAMMU AERODROME	31.2	..	34.5	01	17.5	..	13.0	27	4.3	19.2	..	14.9	25	2	..	..	..	..	0	2	0	1	2	0	0	0	0	0
GULMARG (RESEARCH INSTITUTE)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
RAJASTHAN, WEST																												
GANGANAGAR	34.6	-0.4	39.0	01	17.8	+0.8	13.1	31	0.0	0.1	- 3.6	0.1	25	0	- 0.6	3.2	1.7	-3.0	1	0	0	0	1	0	0	0	0	0
BIKANER	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MAHAJAN	35.5	..	41.0	09	18.4	..	12.2	28	6.5	7.2	..	..	..	..	..	9.7	6.2	..	.	..	0	0	0	0	0	0	0	0
CHURU	33.9	+0.4	38.5	16	15.6	-2.4	9.8	27	0.0	4.5	- 21.6	4.5	04	1	- 0.5	9.2	6.1	0.0	0	1	0	0	2	0	0	0	0	0
BIKANER	35.2	-0.1	40.0	09	18.2	-0.4	13.5	29	14.8	18.7	+ 11.6	18.4	25	1	+ 0.6	8.2	6.1	+0.8	0	2	0	1	2	0	0	0	0	0
PILANI	35.7	+1.2	39.8	09	17.6	-1.6	12.5	28	0.0	5.0	+ 3.9	5.0	25	1	+ 0.8	8.2	6.3	+1.2	0	1	0	0	1	0	0	0	0	0
BHATINDA	35.5	+0.3	40.0	09	19.9	+0.2	14.0	29	0.0	0.0	- 2.0	0.0	..	0	- 0.1	13.4	10.0	-1.6	0	0	0	0	0	0	0	0	0	0
JAISALMER	36.1	0.0	40.2	09	20.1	0.0	14.0	27	0.0	0.0	- 0.8	0.0	..	0	- 0.2	10.7	8.8	+0.3	0	0	0	0	0	0	0	0	0	0
JODHPUR	35.8	+0.1	39.8	10	19.4	-0.2	14.6	31	0.0	18.5	+ 10.9	18.5	25	1	+ 0.5	..	..	..	0	1	0	0	1	0	0	0	2	0
BARMER	37.7	+1.7	..	..	..	..	..	..	0.0	0.0	- 1.3	0.0	..	0	- 0.2	5.8	4.6	-2.6	0	0	0	0	0	0	0	0	0	0
JAIPUR (JAWAI DAM)	34.5	+1.0	37.1	16	19.5	-1.5	9.9	27	0.0	0.0	- 21.3	0.0	..	0	- 1.9	4.6	4.9	-1.0	0	0	0	0	0	0	0	0	0	0
RAJASTHAN, EAST																												
PILANI	34.1	+0.2	38.5	16	14.5	-2.7	9.0	30	0.0	11.8	+ 3.1	11.8	04	1	+ 0.2	9.8	8.0	+0.1	0	1	0	0	1	0	0	0	0	0
SIKAR	33.5	+0.4	37.1	09	16.0	-1.1	10.0	30	8.1	8.1	- 11.4	8.1	05	1	0.0	5.4	3.8	-1.3	0	1	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
RAJASTHAN, EAST (CONTD.)																												
ALWAR	33.3	+0.9	37.2	10	17.6	-2.0	12.9	30	0.0	0.0	- 97.7	0.0	..	0	- 3.7	4.5	3.7	..	0	0	0	0	0	0	0	0	0	0
JAIPUR (SANGANER)	34.1	+0.9	37.8	10	18.0	-0.3	13.8	27	0.0	1.8	- 12.4	1.8	05	0	- 0.7	..	..	..	0	1	0	0	1	0	0	0	0	0
JAIPUR	34.2	+1.6	37.5	13	17.1	-2.2	13.2	31	0.0	18.8	- 61.3	18.8	18	1	- 2.8	4.7	2.9	-0.5	0	1	0	0	1	0	0	0	0	0
AJMER	33.9	+1.0	37.2	09	18.2	+0.4	14.1	28	0.0	0.0	- 9.4	0.0	18	0	- 0.7	8.6	5.2	+1.2	0	0	0	0	0	0	0	0	0	0
TONK	34.7	+1.4	36.3	10	17.8	-0.5	11.0	26	0.0	0.0	- 8.9	0.0	..	0	- 1.0	6.0	5.1	+1.1	0	0	0	0	0	0	0	0	0	0
BHILWARA	34.2	..	37.6	16	17.1	..	12.3	28	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
KOTA	35.2	+0.7	37.6	10	17.4	-3.6	13.6	23	0.0	1.2	- 12.5	1.2	19	0	- 0.9	6.0	4.5	+1.5	0	1	0	0	0	0	0	0	0	0
KOTA AERODROME	35.5	..	38.8	10	20.0	..	15.4	21	0.0	2.4	..	2.4	19	0	..	7.6	7.1	..	0	1	0	0	0	0	0	0	0	0
CHAMBAL (RAWAT BHATTA DAM)	35.1	+2.6	38.4	11	18.6	+1.1	11.4	24	0.0	0.0	- 49.3	0.0	..	0	- 3.0	6.7	3.9	0.0	0	0	0	0	0	0	0	0	0	0
BOATPUR	33.5	+1.5	36.3	11	16.5	-2.4	12.1	27	0.0	0.0	- 13.5	0.0	..	0	- 1.1	3.7	1.6	-0.7	0	0	0	0	0	0	0	0	0	0
JHALAWAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BANSWARA	35.6	..	38.2	13	20.5	..	16.1	23	0.0	0.0	..	0.0	..	0	..	6.4	4.6	..	0	0	0	0	0	0	0	0	0	0
MADHYA PRADESH, WEST																												
GWALIOR	33.6	+0.4	36.6	12	17.0	-1.0	12.9	30	0.1	6.9	- 0.4	6.8	18	1	+ 0.3	7.0	4.1	+0.8	1	1	0	0	3	0	0	0	0	0
SHEOPUR	34.3	+1.4	37.3	11	17.5	-0.9	13.4	23	0.0	0.0	- 39.3	0.0	..	0	- 1.4	6.9	6.0	+1.1	0	0	0	0	0	0	0	0	0	0
SHIVPURI	33.2	..	36.2	12	14.0	..	9.4	23	0.0	1.2	..	1.2	18	0	..	7.4	4.6	..	0	1	0	0	0	0	0	0	0	0
NOWGONG	33.7	+0.8	36.9	12	17.1	-0.7	12.4	23	0.0	3.4	- 21.0	3.4	18	1	- 0.4	2.9	1.5	-1.4	0	1	0	0	1	0	0	0	0	0
GUNA	33.8	+1.8	36.5	17	16.6	-0.5	10.7	23	0.0	0.0	- 19.8	0.0	..	0	- 1.3	8.8	5.3	+1.4	0	0	0	0	0	0	0	0	0	0
NIMACH	33.8	+1.3	37.1	11	19.0	+0.4	15.2	23	0.0	0.0	- 18.0	0.0	..	0	- 1.1	8.6	6.3	+0.7	0	0	0	0	0	0	0	0	0	0
RAJGARH	34.3	+1.9	37.6	16	17.2	-0.3	12.1	23	0.0	0.0	- 34.4	0.0	..	0	- 1.7	7.8	5.4	+0.2	0	0	0	0	0	0	0	0	0	0
SAGAR	36.1	+5.6	39.1	14	18.8	-0.4	16.4	24	0.0	0.0	- 27.2	0.0	..	0	- 1.9	7.0	10.2	+3.1	0	0	0	0	0	0	0	0	0	0
RATLAM	34.3	+2.0	37.3	11	19.0	-0.1	15.5	28	0.0	0.0	- 48.1	0.0	..	0	- 2.0	9.3	7.0	+1.1	0	0	0	0	0	0	0	0	0	0
BHOPAL (BAIRAGARH)	33.0	+1.7	35.9	11	17.8	-0.2	14.0	23	0.0	0.0	- 31.7	0.0	..	0	- 1.7	10.5	7.8	+2.8	0	0	0	0	0	0	0	0	0	0
UJJAIN	31.4	..	35.2	01	15.9	..	11.1	23	8.4	8.4	..	8.4	03	1	..	8.5	4.6	..	0	1	0	0	0	0	0	0	0	0
NARSINGHPUR	33.5	..	36.6	12	16.0	..	10.6	23	1.0	2.8	..	1.8	04	0	..	5.0	2.3	..	0	2	0	0	0	0	0	0	0	0
HOSHANGABAD	34.5	+2.4	36.5	20	18.9	-0.6	15.2	25	0.0	0.0	- 28.5	0.0	..	0	- 1.6	3.7	3.5	+0.4	0	0	0	0	1	0	0	0	0	0
INDORE	33.4	+2.3	36.5	12	17.0	-0.2	13.9	24	2.3	2.3	- 30.7	2.3	04	0	- 1.8	12.0	9.1	-0.7	0	1	0	0	1	0	0	0	0	0
RAJGIR (JHABUA)	34.8	+2.2	37.2	15	19.2	+0.6	15.0	23	0.0	0.0	- 71.6	0.0	..	0	- 3.3	8.6	5.2	+1.4	0	0	0	0	0	0	0	0	0	0
CHHINDWARA	31.9	+2.6	34.8	12	16.1	-1.6	11.4	24	0.6	0.6	- 68.5	0.6	20	0	- 4.3	8.0	4.2	0.0	0	1	0	0	0	0	0	0	0	0
SEONI	32.0	+2.3	35.3	14	17.8	-0.6	13.4	24	2.2	2.2	- 62.1	2.2	20	0	- 3.5	8.2	4.7	-0.7	0	1	0	0	1	0	0	0	0	0
BETUL	31.6	+2.3	34.3	12	15.3	-1.9	9.4	23	0.0	0.0	- 62.7	0.0	..	0	- 4.0	5.2	2.6	-1.6	0	0	0	0	0	0	0	0	0	0
KHANDWA	34.8	+1.4	37.3	20	17.9	-1.0	13.4	24	0.0	0.0	- 38.3	0.0	..	0	- 1.6	8.8	5.7	+0.4	0	0	0	0	0	0	0	0	0	0
MADHYA PRADESH, EAST																												
SATNA	32.8	+1.0	35.5	13	19.2	+0.4	14.9	31	0.0	0.0	- 38.1	0.0	..	0	- 2.2	5.1	3.2	-0.1	0	0	0	0	0	0	0	0	0	0
REWA	32.6	..	35.6	02	18.1	..	14.0	31	0.0	0.0	..	0.0	..	0	..	4.5	2.3	..	0	0	0	0	0	0	0	0	0	0
SIDHI	33.1	+1.6	35.4	12	17.8	-1.3	13.0	31	0.0	17.4	- 20.8	17.4	07	1	- 1.2	4.0	2.1	-1.6	0	1	0	0	0	0	0	0	0	0
UMARIA	31.6	+1.0	34.4	14	17.1	-0.5	12.6	24	24.1	24.1	- 23.2	24.1	07	1	- 1.7	3.4	3.0	+0.1	0	1	0	0	4	1	0	0	0	0
JABALPUR	32.7	+1.3	35.7	14	18.6	+0.2	13.8	23	2.6	2.6	- 43.9	2.6	20	1	- 1.4	5.5	2.9	-0.6	0	1	0	1	2	0	0	0	0	0
AMBIKAPUR	29.9	+0.9	32.2	14	15.2	-2.8	11.2	23	0.5	10.2	- 37.0	6.0	08	2	- 2.3	8.8	5.5	-1.2	0	2	0	0	3	1	0	0	0	0
JASHPURNAGAR	28.6	..	30.6	03	15.1	..	11.7	30	0.0	5.8	..	5.8	09	1	..	6.2	3.3	..	0	1	0	0	0	0	0	0	0	0
MENDRA	29.8	+1.3	32.7	13	18.2	-0.2	14.0	22	0.0	8.9	- 69.1	8.6	08	1	- 3.1	6.1	4.1	0.0	0	2	0	0	2	0	0	0	0	0
AMBIKA	31.4	+0.9	34.0	14	15.9	-1.7	10.8	24	6.2	12.8	- 52.7	6.2	07	2	- 1.7	4.6	2.2	+0.1	0	3	0	0	1	0	0	0	0	0
CHAMPA	31.7	+0.3	33.8	04	20.0	-2.0	16.0	24	0.0	0.0	- 59.5	0.0	..	0	- 4.6	4.3	2.8	-1.1	0	0	0	0	1	0	0	0	0	0
RAIGARH	32.8	+0.9	35.6	14	20.8	-1.5	17.0	24	0.0	4.5	- 52.4	4.5	10	1	- 3.3	5.3	3.9	-0.5	0	1	0	0	1	0	0	0	0	0
RAIPUR	32.0	+0.8	34.4	14	21.0	-0.5	17.5	25	0.0	0.0	- 52.3	0.0	..	0	- 3.2	7.4	5.4	-0.6	0	0	0	0	1	0	0	0	0	0
KANKER	30.9	+0.7	33.2	14	19.2	-0.9	14.9	24	36.6	36.6	- 55.6	24.2	06	3	- 1.5	3.6	3.5	0.0	0	3	0	0	1	0	0	0	0	0
JAGDALPUR	30.5	+1.0	32.2	14	18.6	-1.3	14.4	24	10.5	32.3	- 77.7	21.8	07	2	- 4.0	..	..	..	0	2	0	0	2	2	0	0	0	0
GUJARAT REGION (INCLUDING DAMAN, DIU AND NAGAR HAVELI)																												
DESA	36.7	+1.0	40.4	11	19.8	+0.5	14.2	29	0.0	0.0	- 8.9	0.0	..	0	- 0.6	9.0	5.7	..	0	0	0	0	0	0	0	0	0	0
PADHANPUR	36.5	+1.0	39.9	10	15.1	-4.2	9.7	28	0.0	0.0	- 11.3	0.0	..	0	- 0.6	6.8	4.3	+0.2	0	0	0	0	0	0	0	0	0	0
DISAR	35.2	+1.6	37.7	16	20.4	-0.3	17.0	24	0.0	0.0	- 69.7	0.0	..	0	- 1.7	7.2	5.2	-0.4	0	0	0	0	0	0	0	0	0	0
AHMADABAD	36.6	+1.0	39.5	11	20.9	-0.3	16.2	27	0.0	0.0	- 9.4	0.0	..	0	- 0.7	6.8	3.2	-1.4	0	0	0	0	0	0	0	0	0	0
DOHAD	35.0	+1.7	37.5	14	20.5	+0.5	16.5	27	0.0	0.0	- 31.1	0.0	..	0	- 1.6	9.5	8.3	-0.4	0	0	0	0	0	0	0	0	0	0
VALLABH VIDYANAGAR	35.7	..	38.5	12	20.4	..	16.2	24	0.0	0.0	..	0.0	..	0	..	5.2	4.7	..	0	0	0	0	0	5	0	0	0	0
BARODA AERODROME	36.4	+1.5	39.8	16	20.9	-0.5	17.1	24	0.0	0.0	- 37.5	0.0	..	0	- 2.0	5.2	3.1	-3.3	0	0	0	0	0	0	0	0	0	0
BARODA	37.5	+2.5	40.3	16	22.1	+2.2	17.9	24	0.0	0.0	- 29.2	0.0	..	0	- 1.5	4.5	3.4	+0.5	0	0	0	0	0	0	0	0	0	0
BROACH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7.4	5.8	+0.6	..	..	0	0	0	0	0	0	0	0
SURAT	36.6	+1.1	39.0	17	22.6	-0.5	18.5	23	0.0	0.0	- 33.5	0.0	..	0	- 1.8	7.4	6.4	+0.5	0	0	0	0	0	0	0	0	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																												
NALIYA	33.8	+0.3	37.6	14	18.1	-1.3	13.0	28	0.0	0.0	- 12.1	0.0	..	0	- 0.8	13.5	9.7	+1.5	0	0	0	0	0	12	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
GUJARAT AND KUTCH (INCLUDING DIU) (CONTD.)																												
BHUJ (RUDRAMATA)	36.3	+0.7	41.0	11	21.0	-0.5	15.5	28	0.0	0.0	- 16.2	0.0	..	0	- 0.5	13.5	10.1	+1.5	0	0	0	0	0	0	0	0	0	0
KANDLA AERODROME	36.6	..	40.7	11	21.0	..	19.[illegible]	26	0.0	0.0	..	0.0	..	0	..	15.0	15.1	..	0	0	0	0	0	0	0	0	0	0
NEW KANDLA	34.7	+1.0	38.6	16	23.4	-0.2	19.9	28	0.0	0.0	- 19.4	0.0	..	0	- 1.0	12.7	12.1	+0.1	0	0	0	0	0	0	0	0	0	0
MANDVI	32.4	+0.5	36.2	23	21.2	-1.6	16.9	28	0.0	0.0	- 13.4	0.0	..	0	- 1.5	20.1	17.3	+0.4	0	0	0	0	0	0	0	0	0	0
SURENDRANAGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
OKHA	30.1	..	33.4	22	24.4	..	22.4	22	0.0	0.0	..	0.0	..	0	..	13.8	13.9	..	0	0	0	0	0	2	0	0	0	0
JAMNAGAR AERODROME	34.7	+0.3	39.5	10	20.9	-0.6	15.6	29	0.0	0.0	- 7.4	0.0	..	0	- 0.5	..	..	..	0	0	0	0	0	4	0	0	0	0
DWARKA	31.4	+0.7	36.5	22	24.2	+0.3	21.0	26	0.0	0.0	- 5.3	0.0	..	0	- 0.3	15.1	12.2	+0.4	0	0	0	0	0	0	0	0	0	0
RAJKOT	36.6	+1.3	39.9	10	21.0	+0.1	16.8	29	0.0	0.0	- 67.2	0.0	..	0	- 2.6	18.3	15.3	+3.2	0	0	0	0	0	4	0	0	0	0
BHAVNAGAR AERODROME	35.5	+1.3	37.7	17	21.7	-0.8	19.6	27	0.0	2.2	- 65.9	2.2	01	0	- 1.4	17.0	13.8	+6.1	0	1	0	0	0	0	0	0	0	0
PORBANDER AERODROME	34.7	+2.2	39.7	09	22.0	-1.2	17.7	26	0.0	0.0	- 49.9	0.0	..	0	- 1.9	14.1	9.8	..	0	0	0	0	0	3	0	0	0	0
KESHOD	36.5	+2.0	39.5	17	20.8	+1.1	17.6	29	0.0	0.0	- 55.1	0.0	..	0	- 2.6	17.0	11.7	-0.3	0	0	0	0	0	4	0	0	0	0
MAHUVA	35.5	..	38.7	16	21.4	..	17.2	24	0.0	0.0	- 62.3	0.0	..	0	- 1.3	5.6	3.2	..	0	0	0	0	0	0	0	0	0	0
VERAVAL	34.1	+1.3	39.1	17	22.0	-0.3	19.6	24	0.0	0.0	- 14.0	0.0	..	0	- 0.7	17.3	14.1	+2.0	0	0	0	0	0	3	0	0	0	0
DIU	33.0	..	36.6	17	23.1	..	19.2	24	0.0	0.0	..	0.0	..	0	..	15.0	11.5	..	0	0	0	0	0	0	0	0	0	0
KONKAN (INCLUDING GOA)																												
DAHANU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BOMBAY (SANTACRUZ)	33.5	+1.1	36.9	16	22.7	-0.2	18.4	24	0.2	13.1	- 89.9	4.4	08	3	- 0.9	9.6	5.7	-1.9	1	3	0	0	3	1	0	0	2	0
BOMBAY	32.2	+0.3	35.6	22	24.8	+0.2	22.4	26	0.0	72.0	+ 7.5	48.5	01	3	0.0	8.8	7.3	-1.2	0	4	0	0	4	0	0	0	2	0
ALIBAG	31.7	+0.5	35.8	19	23.3	-0.3	19.4	24	..	64.7	- 30.6	36.0	01	2	- 2.1	.	7.6	+0.4	0	4	0	0	3	1	0	0	0	0
BHIRA	35.4	..	38.0	21	19.8	..	15.2	24	35.6	48.0	..	22.0	08	4	..	3.1	1.6	..	0	5	0	0	0	0	0	0	0	0
HARNAI	31.1	+1.3	34.8	21	25.2	+0.4	22.7	02	3.4	47.5	- 44.7	24.0	02	5	+ 0.9	13.4	11.4	+1.1	0	5	0	0	0	0	0	0	0	0
RATNAGIRI	31.7	+0.9	34.9	30	23.6	0.0	21.3	29	30.4	101.6	- 2.3	48.5	01	4	- 1.2	7.9	4.6	..	0	5	0	0	2	0	0	0	0	0
DEVGARH	31.3	+0.9	35.0	30	23.0	-1.1	21.1	02	31.4	135.2	+ 7.8	52.0	02	5	- 1.5	13.8	11.2	+0.3	0	6	0	0	2	0	0	0	0	0
VENGURLA	31.6	+0.7	34.5	30	22.3	-1.0	19.5	25	21.1	79.9	- 58.7	42.5	08	7	- 1.3	9.1	4.6	..	1	9	0	0	12	0	0	0	0	0
PANJIM	31.6	..	34.5	29	23.2	..	21.5	28	5.6	156.2	..	83.4	01	5	..	10.0	7.5	..	0	7	0	0	9	4	0	0	0	0
MORMUGAO	30.8	+1.0	34.0	17	24.0	+0.1	22.7	29	2.2	89.7	- 42.0	45.2	01	4	- 2.3	11.5	9.7	+0.1	0	5	0	0	4	1	0	0	0	0
DABOLIM (NAVAL AIR STN.)	31.5	..	35.4	19	23.7	..	22.0	28	3.0	105.7	..	34.8	01	5	..	..	..	..	0	6	0	0	7	2	0	0	0	0
MADHYA MAHARASHTRA																												
NANDURBAR	36.1	+1.9	38.6	14	..	..	..	..	..	0.6	- 58.4	0.6	05	0	- 2.8	2.9	2.2	-2.9	0	1	0	0	0	0	0	0	0	0
JALGAON	36.1	+2.0	38.6	13	18.7	-0.5	13.1	24	5.2	5.8	- 31.7	5.2	03	1	- 0.8	10.3	8.0	+1.6	0	2	0	0	0	0	0	0	0	0
MALEGAON	35.2	+2.5	38.5	13	17.4	-1.4	13.0	23	0.0	0.0	- 37.9	0.0	..	0	- 2.6	9.3	6.3	+0.4	0	0	0	0	0	0	0	0	0	0
DHULIA	32.7	..	35.1	13	16.2	..	11.4	23	24.1	26.1	..	25.0	02	1	..	11.6	8.3	..	0	3	0	0	3	2	0	0	0	0
AHMADNAGAR	33.2	+2.0	35.5	14	18.3	-0.8	14.5	23	41.2	42.6	- 15.1	38.8	09	2	- 1.5	8.5	5.2	-1.5	0	3	0	0	0	0	0	0	0	0
KHANDALA	..	..	..	..	..	..	..	..	..	111.8	- 90.9	52.0	02	5	- 1.1	..	..	..	0	5	..	..	..	..	..	..	..	..
POONA AERODROME	32.4	..	34.4	14	18.1	..	14.5	24	1.4	48.2	..	28.0	09	3	..	..	..	..	0	4	0	0	4	1	0	0	0	0
POONA	32.2	+1.4	34.8	14	17.5	-1.1	12.8	24	10.6	40.9	- 35.3	16.4	05	4	- 0.9	6.2	3.2	..	0	4	0	0	4	4	0	0	0	0
JEUR	33.1	+1.3	36.2	14	18.7	-0.9	13.1	24	0.0	4.4	- 78.6	4.4	09	1	- 3.6	10.5	7.3	+0.3	0	1	0	0	2	0	0	0	0	0
BARAMATI	32.5	+1.1	35.5	06	19.3	-0.4	15.9	25	0.0	36.0	- 58.6	27.6	08	3	- 2.1	9.6	7.1	-1.1	0	3	0	0	0	0	0	0	0	0
SHOLAPUR	32.8	+0.5	35.7	14	19.9	-0.7	16.4	23	1.4	59.9	- 10.0	29.4	03	2	- 2.1	11.1	8.1	-0.4	0	3	0	0	1	0	0	0	0	0
MIRAJ	32.0	+1.0	34.2	14	19.0	-1.1	14.3	24	2.0	116.0	+ 20.2	37.8	01	5	- 1.1	..	..	..	0	5	0	0	2	0	0	0	0	0
KOLHAPUR	31.9	+1.6	34.2	20	19.2	-0.9	16.0	28	6.6	85.6	- 47.0	46.4	01	3	- 4.9	9.7	6.1	-2.6	0	7	0	0	2	0	0	0	0	0
MARATHWADA																												
AURANGABAD	32.9	+1.3	34.6	04	19.7	+0.1	15.6	24	26.4	26.8	- 20.2	420.2	01	8	+ 5.0	60.7	0.0	-8.4	3	0	0	1	0	0	0	0	0	0
AURANGABAD (CHIKALTHAN)	32.7	+1.5	35.0	13	16.4	-1.4	11.0	23	4.5	5.7	- 52.4	4.0	02	1	- 2.3	7.0	3.7	-5.2	0	3	0	0	1	0	0	0	0	0
PARBHANI	32.8	+0.9	35.4	14	18.8	-0.7	15.0	24	70.8	81.6	+ 32.6	56.0	04	4	+ 0.8	8.3	5.0	-1.7	0	4	0	0	2	0	0	0	0	0
NANDER	33.6	..	35.6	14	18.2	..	12.4	24	..	..	..	..	..	..	..	6.3	4.4	..	.	..	0	0	0	0	0	0	0	0
BIR	33.5	..	35.9	13	18.6	..	14.3	23	17.2	38.3	..	15.6	10	3	..	7.3	4.0	..	0	4	0	0	0	0	0	0	0	0
VIDARBHA																												
GONDIA	32.5	+1.5	34.6	15	20.5	-0.7	16.3	24	0.0	15.0	- 53.5	15.0	06	1	- 2.9	2.9	1.9	-1.1	0	1	0	0	1	0	0	0	0	0
NAGPUR (SONEGAON)	33.9	+2.0	36.7	02	18.2	-1.8	13.7	25	0.0	0.0	- 54.6	0.0	..	0	- 3.2	9.3	7.1	-1.0	0	0	0	0	0	0	0	0	0	0
AMRAOTI	34.3	+2.2	36.7	13	20.5	-0.3	15.8	24	17.2	17.2	- 27.0	16.2	04	1	- 1.5	9.5	7.7	0.0	1	2	0	0	0	0	0	0	0	0
AKOLA AERODROME	34.7	..	37.1	14	19.0	..	13.2	23	43.4	49.5	..	34.2	04	2	..	9.5	7.7	..	1	3	0	0	2	0	0	0	0	0
AKOLA	34.9	+1.6	37.9	14	20.0	0.0	14.3	24	3.0	8.5	- 28.8	5.5	04	2	- 0.3	6.6	4.2	-1.0	0	2	0	0	0	0	0	0	0	0
BRAMHAPURI	33.0	+1.4	34.7	18	18.6	-2.7	13.2	24	0.0	0.0	- 64.6	0.0	..	0	- 4.7	6.3	3.1	-0.8	0	0	0	0	0	0	0	0	0	0
BULDANA	32.2	+2.4	34.3	12	20.9	+0.4	17.0	23	0.0	9.3	- 33.5	9.3	02	1	- 1.7	8.4	6.6	+0.2	0	1	0	0	0	0	0	0	0	0
YEOTMAL	32.9	+2.1	35.8	13	19.9	-0.2	14.7	23	2.6	4.2	- 49.4	2.4	08	0	- 3.5	9.2	6.7	-0.5	1	2	0	0	4	0	0	0	0	0
CHANDRAPUR	33.1	+1.5	36.1	14	19.9	-0.8	14.4	24	9.0	9.0	- 47.4	9.0	03	1	- 1.8	7.5	4.0	+0.6	0	1	0	0	1	0	0	0	0	0
WARDHA	34.0	..	36.8	14	18.2	..	12.4	24	8.8	8.8	..	8.8	09	1	..	7.6	4.5	..	0	1	0	0	4	0	0	0	0	0
SIRONCHA	33.1	+1.0	35.0	13	21.3	-1.6	14.8	24	17.6	19.8	- 74.5	19.8	10	1	- 4.9	5.2	2.8	-1.2	0	1	0	0	0	0	0	0	0	0

TABLE II – SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena – No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
VIDARBHA (CONTD.)																												
WARDHA	34.5	..	37.0	02	19.4	..	14.5	24	2.0	2.1	..	2.0	08	0	..	7.3	5.2	..	1	1	0	0	1	0	0	0	0	0
BHANDARA	33.3	..	36.9	14	..	..	..	..	0.0	10.5	..	8.3	20	1	..	2.6	1.6	..	0	2	..	..	..	..	..	.	.	.
COASTAL ANDHRA PRADESH																												
KALINGAPATAM	31.8	+1.1	35.0	04	22.8	-1.7	18.4	24	0.0	74.2	-127.0	..	..	..	..	10.0	7.1	-2.9	.	..	0	0	2	0	0	0	0	0
VISHAKHAPATNAM	33.3	+2.4	35.9	03	23.4	-1.1	19.4	24	9.2	12.4	-199.7	7.0	06	1	- 7.1	6.7	3.8	-4.3	1	5	0	0	3	0	0	0	0	0
KAKINADA	32.2	+1.4	35.3	04	23.8	-0.7	21.2	23	7.8	40.0	-197.7	15.8	03	4	- 4.7	18.1	10.0	+0.5	0	5	0	0	0	0	0	0	0	0
MINDAVOLE	32.4	+1.6	35.0	04	22.8	-1.0	18.0	23	3.0	6.0	-186.5	3.0	12	2	- 9.5	8.5	6.3	+0.2	0	2	0	0	0	0	0	0	0	0
KENTACHINTALA	34.4	+1.5	36.4	14	22.3	-0.9	17.4	24	0.0	60.4	- 63.5	43.0	06	2	- 4.7	4.6	3.6	-1.2	0	2	0	0	2	0	0	0	0	0
GANNAVARAM	32.1	+0.6	34.4	05	23.5	-0.7	17.6	24	4.0	11.5	-132.5	6.2	06	2	- 5.8	13.5	8.5	-0.5	0	3	0	0	3	1	0	0	0	0
MASULIPATAM	31.4	+0.6	33.5	12	22.8	-2.1	18.0	24	4.6	5.3	-229.1	40.2	07	3	- 5.1	5.0	3.2	-4.5	0	5	0	0	0	0	0	0	0	0
ONGOLE	33.3	+1.6	36.4	25	..	..	..	..	22.8	97.8	-104.2	71.4	07	3	- 6.6	7.9	4.8	+0.4	0	3	0	0	1	0	0	0	0	0
NELLORE	32.7	+0.2	36.0	11	24.1	-0.6	21.0	23	82.9	88.9	-177.3	30.6	08	5	- 3.7	..	..	..	0	6	0	0	4	0	0	0	0	0
TELANGANA																												
KAGHNDAM	33.7	+1.2	37.2	14	21.8	-1.0	16.8	24	0.0	1.8	- 79.7	1.8	03	0	- 4.5	7.4	4.0	-0.4	0	1	0	0	0	0	0	0	0	0
HYDERABAD	33.0	+1.5	35.5	14	20.4	-0.2	15.7	24	0.0	0.0	- 51.6	..	..	0	- 3.1	6.1	4.7	+0.5	0	0	0	0	0	0	0	0	0	0
HANAMKONDA	31.6	-0.1	34.1	01	21.7	-0.5	16.1	24	0.0	20.4	- 47.4	20.4	31	1	- 3.0	6.9	4.9	-1.2	0	1	0	0	1	5	0	0	0	0
HAKIMPET AERODROME	30.7	..	33.0	13	20.1	..	16.2	23	0.0	10.4	..	10.4	07	1	..	..	..	..	0	1	0	0	2	0	0	0	0	0
BHADRACHALLAM	33.0	+1.0	34.6	14	21.4	-1.6	15.0	24	24.0	24.0	- 86.1	14.0	04	2	- 5.4	3.8	3.0	-1.4	0	2	0	0	2	1	0	0	0	0
HYDERABAD (BEGAMPET)	31.5	+1.2	33.8	14	17.9	-1.9	12.2	24	3.2	3.2	- 61.6	3.2	03	1	- 3.1	8.4	4.1	-4.8	0	1	0	0	1	0	0	0	0	0
KHAMMAM	32.8	+0.3	34.6	15	22.3	-0.6	16.9	23	8.9	17.9	- 90.6	9.0	06	2	- 4.6	3.7	2.4	-2.0	0	4	0	0	2	0	0	0	0	0
MAHBUBNAGAR	31.3	+0.9	34.0	14	20.0	-1.3	15.9	23	2.0	2.0	-100.3	1.4	04	0	- 6.5	11.3	6.8	-1.8	0	2	0	0	1	0	0	0	0	0
RAYALASEEMA																												
KURNOOL	32.7	+0.3	35.0	14	20.9	-1.5	14.4	23	12.9	29.1	- 49.4	16.8	03	3	- 1.8	3.9	1.9	-4.1	0	5	0	0	0	0	0	0	0	0
NANDYAL	32.1	..	34.1	11	20.3	..	15.5	24	23.9	62.1	..	27.8	03	5	..	6.4	4.9	..	0	6	0	0	1	0	0	0	0	0
ANANTAPUR	31.6	+0.2	33.8	14	21.3	-1.2	16.3	23	9.6	128.7	+ 29.4	60.4	03	5	- 0.3	10.3	7.9	0.0	1	6	0	0	2	0	0	0	0	0
CUDDAPAH	29.4	-3.1	32.3	13	22.3	-1.6	18.5	24	23.6	191.6	+ 83.9	93.6	11	6	- 0.5	4.8	3.6	-1.4	0	10	0	0	0	0	0	0	0	0
AROGYAVARAM	27.9	-0.4	30.2	14	18.9	-1.2	16.2	23	20.5	112.5	- 39.6	29.5	03	9	+ 1.1	10.3	6.3	+0.5	9	9	0	0	0	0	0	0	0	0
MADRAS STATE (INCLUDING PONDICHERRY)																												
MADRAS	31.1	-0.4	33.8	11	23.5	-0.9	20.1	24	55.4	151.6	-137.1	61.5	31	8	- 2.5	9.4	6.3	+1.1	0	12	0	0	3	0	0	0	0	0
MADRAS (MINAMBAKKAM)	31.1	-0.7	34.8	11	23.3	-1.1	20.1	24	49.6	178.5	-127.3	70.4	31	9	- 1.4	10.5	6.9	-2.3	3	11	0	0	8	1	0	0	1	0
VELLORE	31.5	-0.3	34.4	11	21.4	-1.6	17.1	24	39.3	83.9	- 89.1	28.2	30	5	- 4.3	9.4	6.5	+1.6	1	9	0	0	7	1	0	0	0	0
TAMBARAM AERODROME	31.8	..	35.2	11	23.1	..	20.1	24	63.8	163.2	..	27.2	07	9	..	..	..	..	0	10	0	0	9	0	0	0	0	0
TIRUPPATTUR	31.9	+1.3	34.1	01	21.9	+0.4	18.0	18	16.3	188.3	- 3.2	85.9	06	4	- 8.4	6.2	3.6	+0.6	0	4	0	0	0	0	0	0	0	0
METTUR DAM R.S.	32.7	..	34.6	25	..	..	..	..	25.4	93.0	..	33.2	06	7	..	4.8	5.2	..	0	10	0	0	0	0	0	0	0	0
CUDDALORE	30.6	-0.9	33.9	11	23.2	-1.1	21.0	28	101.6	322.0	+ 55.3	66.9	21	13	+ 2.6	10.5	7.6	+0.2	0	15	0	0	3	0	0	0	0	0
KALLAKURICHCHI	31.4	-1.1	34.0	06	..	..	..	..	34.0	196.0	+ 25.2	83.0	07	11	+ 1.4	7.5	4.9	..	0	13	0	0	2	0	0	0	0	0
SALEM	32.0	+0.1	34.2	25	22.9	+0.1	20.9	22	33.1	104.9	- 61.0	42.4	06	6	- 3.7	7.3	5.7	+0.4	0	9	0	0	8	0	0	0	0	0
COIMBATORE (PILAMEDU)	31.7	+0.8	33.5	25	21.7	-0.2	20.0	28	43.8	75.5	- 48.0	25.0	11	6	- 3.7	15.9	13.5	-2.8	2	7	0	0	9	3	0	0	0	0
COIMBATORE	31.9	+1.5	33.4	25	21.2	-0.8	19.4	27	..	30.6	-130.9	13.4	13	4	- 5.8	.	7.2	-0.6	0	7	0	0	0	0	0	0	0	0
KARAPATTINAM	30.6	-0.8	33.8	12	24.2	-0.8	22.3	28	44.4	230.4	- 11.4	89.2	21	12	+ 2.0	11.7	10.2	+1.5	0	19	0	0	7	0	0	0	0	0
TIRUCHCHIRAPPALLI	31.5	-0.8	34.2	12	23.4	-0.5	21.0	08	83.2	279.4	+103.9	62.2	02	11	+ 1.9	10.4	7.6	-3.3	0	15	0	0	7	0	0	0	1	0
VEDARANNIYAM	31.5	..	34.4	06	23.1	..	20.8	02	94.6	321.4	..	79.4	21	12	..	4.3	3.4	..	0	16	0	0	1	0	0	0	0	0
ATIRAMPATTINAM	30.9	..	34.4	06	23.9	..	21.6	08	197.6	599.8	..	169.6	08	15	..	10.0	7.8	..	0	18	0	0	5	0	0	0	0	0
MADURAI	31.7	-1.3	35.6	04	22.6	-1.4	20.5	28	..	297.9	+113.8	107.5	06	12	+ 2.0	.	5.7	+0.8	0	13	0	0	0	0	0	0	0	0
MADURAI AERODROME	31.3	-1.6	35.5	04	22.5	-1.3	20.4	27	52.6	198.9	+ 82.0	81.2	17	13	+ 3.4	8.9	7.2	-1.0	1	16	0	0	8	0	0	0	0	0
TONDI	30.3	-0.7	34.2	05	24.2	-0.6	21.9	04	133.8	465.9	+262.4	176.2	21	13	+ 3.6	13.2	11.5	-1.1	0	16	0	0	15	0	0	0	0	0
PAMBAN	30.2	-0.5	32.3	05	25.1	-0.5	22.6	22	55.4	231.6	+ 27.4	60.2	22	12	+ 2.9	14.8	15.1	+2.0	0	12	0	0	0	0	0	1	0	0
TUTICORIN	31.3	-0.6	36.7	05	24.0	-1.1	21.6	21	102.4	300.8	+178.0	72.4	21	11	+ 3.5	16.9	12.8	+0.5	0	11	0	0	0	0	0	0	0	0
PALAYANKOTTAI	33.6	-0.3	38.7	11	22.9	-2.2	17.9	30	149.8	470.2	+296.2	121.6	20	11	+ 2.5	10.0	8.0	-0.5	0	12	0	0	4	0	0	0	0	0
KANNIYAKUMARI	30.1	..	32.2	04	23.6	..	20.8	01	52.8	190.5	..	42.6	20	9	..	16.7	13.1	..	0	10	0	0	2	0	0	0	0	0
PONDICHERRY	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
COASTAL MYSORE																												
KARWAR	31.5	+1.8	34.8	30	22.4	-1.2	20.1	28	12.0	121.2	- 26.1	44.6	02	5	- 2.3	6.1	3.8	..	0	6	0	0	0	0	0	0	0	0
HONAVAR	30.8	+0.2	34.9	20	22.6	-0.6	20.4	28	4.7	165.0	+ 40.8	37.5	07	6	- 0.6	..	..	..	1	8	0	0	0	0	0	0	0	0
MANGALORE (BAJPE)	31.1	+1.1	33.8	29	22.6	-0.3	21.4	24	5.3	99.4	-127.3	27.2	01	6	- 5.4	8.1	5.3	-1.1	0	8	0	0	10	3	0	0	0	0
MANGALORE	30.7	+0.9	33.8	16	23.6	-0.2	22.0	23	15.2	113.5	- 94.5	35.8	02	6	- 4.2	8.5	7.1	-0.2	0	6	0	0	0	0	0	0	0	0
INTERIOR MYSORE NORTH																												
BIDAR	30.4	+0.9	33.3	13	20.5	-0.1	17.1	23	0.3	7.0	- 52.4	6.7	31	1	- 2.6	11.5	7.9	-0.9	0	2	0	0	0	0	0	0	0	0
GULBARGA	32.5	+0.6	35.2	14	19.8	-1.2	14.6	23	32.4	59.6	- 4.7	31.0	03	4	- 0.2	11.5	7.9	-3.3	0	4	0	0	0	1	0	0	0	0
BIJAPUR	31.8	+0.8	34.9	15	19.8	-0.8	16.4	24	55.0	117.0	+ 40.3	69.8	03	4	- 0.7	5.7	4.4	-1.1	0	5	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation: 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	21	22	23	24	25	26	27	28
INTERIOR MYSORE NORTH (CONTD.)																												
RAICHUR	31.1	-0.6	34.0	14	21.7	-0.8	21.0	05	22.2	151.1	+ 67.0	78.4	02	3	- 1.7	11.0	8.5	-0.9	0	5	0	0	0	0	0	0	0	0
BELGAUM	30.6	+0.5	33.7	14	18.4	-0.2	15.0	28	28.8	109.0	0.0	36.0	08	4	- 3.1	8.9	6.4	-1.7	0	7	0	0	0	0	0	0	0	0
BELGAUM(SAMRA)	29.3	+1.0	31.5	13	18.4	-0.9	14.5	23	8.6	94.2	- 91.7	48.8	08	6	- 3.1	9.5	5.7	-4.2	1	8	0	0	6	0	0	0	0	0
GADAG	31.1	+0.3	34.0	13	20.1	-0.1	18.0	[illegible]	79.3	128.5	+ 16.5	87.8	03	4	- 2.8	8.2	7.2	-0.6	0	6	0	0	0	0	0	0	0	0
INTERIOR MYSORE, SOUTH																												
BELLARY	31.7	+0.4	34.0	26	20.9	-1.4	16.6	27	5.5	137.5	+ 32.3	68.5	03	5	- 0.4	9.0	5.8	+0.3	0	6	0	0	0	0	0	0	0	0
CHITRADURGA	29.3	-0.3	31.4	25	19.8	-0.5	15.3	23	5.0	151.6	+ 30.9	86.2	07	5	- 1.5	8.2	5.7	-0.6	0	6	0	0	0	0	0	0	0	0
SHIMOGA	30.1	+0.9	31.6	05	17.7	-2.6	13.7	27	0.2	79.2	- 89.4	38.6	08	5	- 4.2	6.0	2.9	-1.1	1	5	0	0	2	1	0	0	0	0
AGUMBE	27.3	..	29.6	15	18.0	..	13.4	23	..	230.0	..	92.0	01	9	..	.	4.0	..	0	9	0	0	0	0	0	0	0	0
BALEHONNUR	27.6	+1.5	30.4	18	16.7	-1.2	13.2	23	..	98.2	- 96.4	34.0	10	7	- 3.6	..	..	..	0	8	0	0	0	0	0	0	0	0
HASSAN	28.1	+0.5	30.0	21	17.7	-0.9	15.0	23	17.2	211.3	+ 51.0	125.0	09	4	- 5.4	6.6	4.6	-2.3	0	7	0	0	1	0	0	0	0	0
BANGALORE	28.0	+0.[illegible]	30.0	13	16.6	-2.3	13.4	23	89.5	128.5	- 24.9	55.8	08	7	- 1.3	8.4	6.6	-1.6	0	9	0	0	6	2	0	0	0	0
BANGALORE AERODROME	27.6	-0.7	29.5	14	17.3	-2.0	14.0	24	29.9	101.0	- 92.4	39.3	08	7	- 2.6	..	..	..	0	8	0	0	3	2	0	0	1	0
MYSORE	28.3	-0.1	29.5	26	19.4	-0.2	15.1	23	27.6	59.5	- 94.2	27.5	07	4	- 5.0	13.7	10.0	+2.1	0	6	0	0	2	0	0	0	0	0
KERALA																												
CALICUT	30.7	+0.3	32.4	16	24.0	+0.2	22.6	16	10.6	269.1	+ 6.5	97.7	16	10	- 1.0	8.4	6.0	-2.8	0	12	0	0	6	0	0	0	0	0
PALGHAT	31.6	+0.9	35.0	29	23.2	-0.2	21.2	27	25.0	133.0	- 77.2	45.8	17	9	- 2.5	9.7	7.7	-1.0	0	10	0	0	5	0	0	0	0	0
FORT COCHIN	30.2	+1.0	31.8	28	23.5	-0.7	22.4	31	50.3	288.1	- 38.0	59.9	16	13	- 0.8	10.9	7.0	-0.8	0	19	0	0	13	0	0	0	0	0
COCHIN(NAVAL AIR STATION)	30.6	..	32.0	27	23.9	..	23.0	09	49.4	307.8	..	105.2	31	13	..	10.4	8.0	..	0	16	0	0	19	1	0	0	0	0
ALLEPPEY	30.7	+1.0	32.0	27	24.1	+0.3	23.0	14	46.2	217.6	-132.3	44.2	21	19	+ 3.5	12.7	9.3	-1.1	0	19	0	0	15	0	0	0	0	0
PUNALUR	28.7	-2.5	32.6	09	20.4	-2.0	18.8	23	120.4	333.4	- 52.7	68.2	21	15	+ 1.0	3.6	2.5	-0.8	0	19	0	0	0	0	0	0	0	0
TRIVANDRUM	29.5	-0.4	31.2	11	..	..	..	..	93.6	330.3	+ 57.0	63.5	28	19	+ 6.7	8.0	5.5	-1.8	1	21	0	0	11	0	0	0	0	0
TRIVANDRUM AERODROME	30.1	+0.3	31.4	11	..	..	..	..	..	302.2	+ 89.6	47.5	19	15	+ 4.8		8.1	+1.2	0	17	0	0	10	0	0	0	0	0
ARABIAN SEA ISLANDS																												
AMINI	30.6	+0.2	32.[illegible]	21	25.1	-0.1	23.4	28	98.7	119.5	- 21.6	57.3	17	7	- 1.4	8.3	8.4	-1.7	0	11	0	0	4	0	0	0	0	0
AGATTI	30.8	..	32.7	27	25.9	..	23.9	18	43.2	73.0	..	23.5	18	6	..	..	..	..	0	10	0	0	5	0	0	0	0	0
ANDROTH	30.8	..	32.0	23	25.1	..	23.7	06	42.6	84.3	..	22.4	10	8	..	3.2	2.3	..	0	12	0	0	0	0	0	0	0	0
MINICOY	29.8	+0.2	31.6	31	24.0	-0.6	22.1	24	64.9	209.6	+ 30.5	36.6	20	10	- 0.6	9.0	7.3	-2.9	1	16	0	0	7	0	0	0	0	0
HILL STATIONS(EXCLUDING KASHMIR)																												
DALHOUSIE	22.4	+0.8	25.8	03	10.6	-1.1	3.4	26	14.6	57.6	+ 26.1	34.8	26	2	0.0	..	..	..	1	5	0	0	2	0	0	0	0	0
DHARMASALA	25.7	+1.3	28.4	09	14.0	-2.1	9.3	26	2.6	41.2	- 76.3	26.0	26	2	- 1.5	3.0	2.3	-1.9	2	3	0	0	2	0	0	0	0	0
BHUNTAR	26.4	..	30.6	03	8.4	..	5.2	30	7.5	29.8	..	11.0	25	3	..	8.2	4.9	..	0	5	0	0	5	0	0	0	0	0
SIMLA	18.3	+0.4	23.1	04	9.3	-1.5	3.2	25	10.1	29.3	- 4.0	6.5	26	5	+ 2.8	4.7	3.5	+0.4	0	7	0	0	1	0	0	0	0	0
DHARMPUR	..	..	..	..	..	..	..	..	..	38.8	- 10.0	22.4	26	2	+ 0.2	..	..	..	0	2	..	..	..	..	..	.	..	.
GHANGARIA (KANJALIA TOK)	13.4	..	18.0	01	2.6	..	- 0.8	26	..	33.4	..	15.2	26	3	..	..	..	..	0	3	2	0	2	0	0	0	0	0
BADRINATH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JOSHIMATH	20.4	-0.8	23.8	03	9.2	-1.4	5.4	26	52.0	64.2	+ 1.0	52.0	26	3	- 1.7	..	..	..	0	3	0	0	0	0	0	0	0	0
MUSSOORIE	19.0	+0.3	22.6	10	9.4	-1.7	4.2	26	8.0	37.5	- 6.8	21.0	26	3	+ 0.6	10.4	7.9	+1.8	0	4	0	0	3	0	0	0	0	0
MUKTESWAR(KUMAUN)	18.9	+0.5	22.6	08	8.7	-1.2	4.9	19	3.6	6.2	- 37.2	2.8	05	1	- 1.3	11.0	10.5	+0.3	2	3	0	0	5	0	0	0	0	0
NAINITAL	18.3	-0.2	22.6	03	8.9	-0.9	5.3	22	7.0	16.5	-288.7	9.5	17	2	- 3.5	8.4	6.0	-1.3	0	2	0	0	0	0	0	0	0	0
KALIMPONG	24.2	+0.9	27.0	04	15.2	-0.9	11.7	23	4.0	44.0	- 60.4	37.4	05	3	- 1.5	9.5	8.9	+0.5	0	3	0	0	0	0	0	0	0	0
DARJEELING	20.5	+1.9	23.5	17	10.5	-1.0	7.6	23	2.8	25.8	-116.7	25.8	05	1	- 4.3	2.8	2.0	+0.2	0	1	0	0	0	2	0	0	0	0
KOHIMA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SHILLONG(C.S.O.)	21.3	-1.0	23.6	18	13.4	+1.4	10.5	31	19.0	42.6	-145.6	19.8	04	4	- 6.3	4.5	3.6	+1.3	0	7	0	0	0	4	0	0	0	0
CHERRAPUNJI	23.4	+1.0	25.0	09	14.9	-1.0	12.2	24	50.0	133.2	-351.4	45.6	04	8	- 1.2	5.1	4.2	-1.9	0	8	0	0	6	0	0	0	0	0
ABU	27.4	+0.8	30.9	16	16.4	-1.0	10.8	27	0.0	0.0	- 20.3	0.0	..	0	- 1.1	5.9	3.5	-0.9	0	0	0	0	0	0	0	0	0	0
AIJAL	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
PACHMARHI	27.0	+0.8	30.0	14	13.9	-0.9	8.9	23	0.0	10.6	- 52.7	9.2	04	1	- 2.0	5.0	2.9	-0.7	0	2	0	0	1	0	0	0	0	0
MAHABALESHWAR	25.7	+1.7	28.2	15	16.3	+0.2	13.6	26	67.6	146.8	- 7.6	66.2	03	6	- 1.4	11.9	11.3	+1.0	0	7	0	0	3	6	0	0	0	0
MERCARA	24.4	+0.7	27.0	25	..	..	..	..	17.5	84.3	-115.6	20.4	11	6	- 6.7	10.8	9.0	+0.6	1	12	0	0	7	0	0	0	0	0
OOTACAMUND	18.5	-0.2	21.6	16	9.2	-0.8	3.8	27	33.4	127.4	- 74.8	29.6	30	10	- 3.6	3.2	2.1	-1.3	0	10	0	0	0	0	0	0	0	0
COONOOR	21.0	+0.3	22.8	13	12.1	-1.3	10.3	22	..	295.4	+ 12.0	99.8	30	14	- 0.5	..	..	..	0	19	0	0	[illegible]	0	0	0	0	0
KODAIKANAL	16.4	-0.6	19.6	01	10.1	-0.8	7.2	22	197.8	431.4	+174.9	63.5	17	16	+ 0.5	9.9	11.0	+0.9	0	20	0	0	11	7	0	0	0	0
NEPAL																												
KATMANDU	26.7	+0.4	29.0	02	10.4	-3.1	6.6	31	0.0	0.0	- 47.3	0.0	..	0	- 4.1	0.9	0.2	-1.1	0	0	0	0	[illegible]	12	0	0	0	0
SIKKIM																												
LACHEN	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
HYDROMETEOROLOGICAL OBSERVATORIES																												
DAMODAR CATCHMENT																												
TILAIYA	30.1	..	32.5	15	19.2	..	15.0	29	18.0	18.8	..	18.2	08	1	..	6.9	3.8	..	1	2	0	0	[illegible]	0	0	0	0	0
HAZARIBAGH	28.3	..	31.0	14	16.7	..	12.7	31	58.0	59.6	..	43.0	08	3	..	3.7	2.2	..	0	3	0	0	3	1	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	21	22	23	24	25	26	27	28
DAMODAR CATCHMENT.(CONTD.)																												
KONAR	31.5	..	32.1	02	21.2	..	20.1	31	0.0	64.0	..	64.0	09	1	..	7.5	5.4	..	0	1	0	0	0	0	0	0	0	0
BOKARO	32.8	..	35.6	09	15.3	..	10.6	31	24.6	28.6	..	28.6	09	1	..	3.9	2.9	..	0	1	0	0	0	0	0	0	0	0
MAITHON	33.5	..	36.3	15	19.0	..	14.1	31	8.2	25.0	..	16.8	08	2	..	1.6	1.4	..	0	2	0	0	2	0	0	0	0	0
RAMGARH	31.6	..	33.8	07	16.9	..	11.8	25	8.0	53.7	..	52.9	09	1	..	3.1	2.1	..	0	2	0	0	3	0	0	0	0	0
PANCHET HILLS	31.8	..	33.7	14	21.2	..	17.4	31	0.0	42.1	..	40.8	08	1	..	2.1	1.2	..	0	2	0	0	0	0	0	0	0	0
DURGAPUR	31.6	..	34.2	14	21.3	..	17.2	30	1.8	41.6	..	38.8	05	1	..	9.3	9.3	..	0	3	0	0	0	0	0	0	0	0
MAHANADI CATCHMENT																												
GIRABAHAK	30.8	..	32.4	14	16.7	..	12.1	29	..	8.4	..	5.4	10	1	..	..	..	..	0	4	0	0	4	0	0	0	0	0
HIRAKUD	32.6	..	34.3	15	21.4	..	17.3	25	0.0	0.6	..	0.6	04	0	..	3.0	1.7	..	0	1	0	0	0	0	0	0	0	0
BHIMKUND	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SONEPUR	32.0	..	35.0	15	21.4	..	16.3	24	..	0.0	..	0.0	..	0	..	..	1.7	..	0	0	0	0	0	0	0	0	0	0
KHIJRAWAN	30.8	..	33.5	14	20.0	..	14.6	23	11.4	11.7	..	11.3	06	1	..	5.5	3.7	..	0	2	0	0	3	0	0	0	0	0
NARMADA CATCHMENT																												
BAGRA TAWA	33.2	..	36.2	14	16.4	..	11.1	23	0.0	0.0	..	0.0	..	0	..	6.2	4.0	..	0	0	0	0	0	0	0	0	0	0
BIRASA	33.9	..	37.2	16	..	..	..	..	0.0	0.0	..	0.0	..	0	..	4.7	4.2	..	0	0	0	0	0	0	0	0	0	0
THIKKI	37.4	..	39.1	15	17.8	..	15.3	14	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
SABARMATI CATCHMENT																												
DAROI	36.3	..	39.0	11	20.5	..	..	..	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..
GANDAK CATCHMENT																												
JAMOSOM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	26.0	..	27.8	02	13.1	..	10.5	30	1.2	68.4	..	61.0	05	2	..	..	..	..	0	5	..	..	..	..	..	..	..	..
TIMURE	23.5	..	25.3	08	10.0	..	6.9	15	1.9	7.7	..	2.6	09	1	..	..	..	..	0	5	..	..	..	..	..	..	..	..
POKHARA	26.3	..	28.3	04	15.0	..	12.3	30	12.6	40.2	..	18.4	05	4	..	1.5	1.5	..	0	4	0	1	6	0	0	0	0	0
GORKHA	25.6	..	27.9	01	14.7	..	12.6	30	0.0	10.8	..	10.8	12	1	..	..	..	..	0	1	0	0	1	0	0	0	0	0
MUNAKOT	27.6	..	29.0	07	16.2	..	14.0	31	11.2	12.2	..	11.2	21	1	..	..	..	..	0	2	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																												
DALLEKH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT																												
SAITYANA	23.8	..	26.8	05	13.1	..	10.0	21	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..
BITWAL	31.1	..	32.9	09	20.6	..	16.9	30	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	..	..	..
BAGMATI CATCHMENT																												
KATMANDU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
KOSI CATCHMENT																												
CHAUTARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TALUDGCHING GOLA	12.1	..	13.5	17	- 5.1	..	- 8.8	30	7.3	23.9	..	6.5	10	3	..	..	..	..	0	11	..	..	..	..	..	..	..	..
TAPLETHOK	26.1	..	28.4	01	13.1	..	9.3	29	11.8	55.2	..	11.8	20	5	..	..	..	..	0	12	..	..	..	..	..	..	..	..
BHOJPUR	21.3	..	23.8	07	13.9	..	10.7	31	0.0	1.8	..	1.8	09	0	..	..	..	..	0	1	..	..	..	..	..	..	..	..
TAPLEJUNG	21.3	..	22.9	04	11.4	..	7.9	21	0.1	4.1	..	2.6	05	1	..	7.0	4.5	..	1	2	0	0	1	2	0	0	0	0
DHANKUTA	22.6	..	26.1	04	11.9	..	9.6	31	13.8	24.8	..	9.6	20	4	..	3.1	2.7	..	2	6	0	1	2	2	0	0	0	0
CHAINPUR	25.2	..	27.4	03	15.7	..	12.7	20	16.0	16.0	..	16.0	20	1	..	..	..	..	0	1	..	..	..	..	..	..	..	..
ANGRUNG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
KURUKSHETRA	30.4	..	32.0	03	20.0	..	14.8	31	25.6	37.6	..	24.9	05	2	..	6.3	4.3	..	1	3	0	0	3	0	0	0	0	0
TISTA CATCHMENT																												
GANGTOK	23.3	..	26.0	04	10.9	..	7.8	29	6.5	89.1	..	39.3	05	5	..	5.4	4.2	..	0	8	0	0	1	6	0	0	0	0
GEZING	24.7	..	27.1	04	16.1	..	13.7	15	8.0	114.6	..	48.0	08	6	..	..	..	..	1	8	..	..	..	..	..	..	..	..

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - **[illegible], [illegible] ([illegible] 9 - KARTIKA 9,[illegible] SAKA)**

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or M. in gpm. of nearest standard isobaric level	Mean pressure in mbs.: At station level	Mean pressure in mbs.: Departure from normal	Mean temperature in °C: Dry Bulb	Mean temperature in °C: Wet Bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 62 or more	Wind Speed: 20 to 61	Wind Speed: 1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
MAYA BANDAR	0830	28	(R)																								
	1730	28	(R)																								
LONG ISLAND	0830	25	1011.5	1008.7	+0.4	27.5	25.6	24.7	31.1	86	+ 2	5.9	+0.0	2.9	0	0	16	00	1	5	3	0	2	4	0	15	1
	1730	25	1009.1	1006.3	+0.6	26.3	24.7	24.0	29.8	87	- 2	5.9	+0.4	2.4	0	0	10	00	0	2	4	0	1	3	0	21	0
PORT BLAIR	0530	79	1009.7	1000.7	..	24.4	23.6	23.2	28.4	93	..	5.4	..	5.6	0	4	8	00	1	5	0	3	2	1	0	19	0
	0830	79	1011.5	1002.6	+0.3	27.3	25.2	24.3	30.4	83	+ 2	5.5	-1.2	7.7	0	3	15	00	3	5	0	3	7	0	0	13	0
	1130	79	1009.8	1000.9	..	28.4	25.6	24.4	30.5	79	..	6.3	..	11.4	0	5	19	00	2	8	1	3	7	3	0	7	0
	1430	79	1008.0	999.1	..	27.4	25.0	23.9	29.7	82	..	6.2	..	8.5	0	6	11	00	1	4	1	2	6	3	0	14	0
	1730	79	1009.1	1000.2	+0.6	25.7	24.2	23.5	28.9	88	- 1	5.9	-0.4	5.4	0	0	11	00	1	4	0	1	5	0	0	20	0
	2030	79	1011.1	1002.1	..	24.9	23.9	23.3	28.6	91	..	4.0	..	3.4	0	1	7	00	1	3	0	1	2	0	1	23	0
	2330	79	1010.3	1001.3	..	24.6	23.8	23.4	28.8	93	..	4.7	..	4.3	0	3	7	00	0	4	1	2	2	1	0	21	0
CAR NICOBAR	0830	10	1011.3	1010.1	+0.3	27.1	25.0	24.1	30.0	83	+ 1	6.4	+0.4	1.1	0	0	14	00	2	0	4	0	7	1	0	17	0
	1730	10	1009.1	1007.9	+0.5	26.1	24.5	23.8	29.5	87	- 2	6.0	+0.5	0.8	0	0	9	00	0	0	2	1	6	0	0	22	0
NAN COWRY	0830	26	1011.8	1008.9	+0.2	26.5	25.2	24.7	31.1	89	+ 5	6.1	+0.1	4.5	0	0	20	00	0	0	0	0	9	8	3	11	0
	1730	26	1009.4	1006.5	+0.4	25.9	25.1	24.7	31.1	93	+ 6	5.7	+0.0	3.9	0	0	20	00	0	0	2	2	7	5	4	11	0
KONDUL	0830	8	1012.5	1011.6	+0.9	26.9	25.0	24.1	30.0	85	+ 0	5.8	-0.5	2.0	0	0	9	00	1	0	0	0	8	0	0	22	0
	1730	8	1010.1	1009.2	+1.2	25.8	24.4	23.8	29.5	88	- 2	5.6	-0.7	3.5	0	1	8	00	1	0	0	0	8	0	0	22	0
NORTH ASSAM(INCLUDING NEFA)																											
PASIGHAT	0830	157	1013.7	995.7	+0.7	23.3	20.2	18.3	21.2	74	- 2	4.2	-1.2	14.3	0	9	22	00	0	0	0	2	2	0	27	0	0
	1730	157	1009.7	991.8	+0.5	24.0	22.1	21.1	25.1	84	- 1	3.7	-0.7	3.6	0	1	21	02	2	1	3	3	3	2	6	9	0
DIBRUGARH(MOHANBARI)	0230	111	1010.7	997.8	..	20.2	19.6	19.3	22.4	94	..	3.7	..	2.3	0	0	9	02	5	1	0	0	1	0	0	22	0
	0530	111	1011.9	999.0	..	19.5	19.0	18.7	21.7	95	..	4.2	..	2.2	0	0	12	00	7	1	1	0	3	0	0	19	0
	0830	111	1013.7	1001.0	+1.1	24.0	21.7	20.5	24.2	81	- 1	4.2	-1.2	6.6	0	0	30	03	13	9	2	1	0	1	1	1	0
	1130	111	1011.5	999.0	..	27.1	22.7	20.4	24.0	68	..	4.5	..	6.5	0	0	31	02	12	11	2	1	0	0	3	0	0
	1430	111	1009.1	996.6	..	28.2	23.3	20.9	24.7	65	..	3.9	..	5.3	0	0	24	02	9	3	1	3	3	2	1	7	0
	1730	111	1009.5	996.9	+0.9	24.7	22.7	21.7	26.0	83	- 2	3.3	-1.2	1.4	0	0	6	01	4	0	0	1	0	0	0	25	0
	2030	111	1011.4	998.8	..	21.7	20.7	20.2	23.7	91	..	2.5	..	1.1	0	0	6	00	4	1	1	0	0	0	0	25	0
	2330	111	1011.5	998.7	..	20.7	20.0	19.8	22.8	93	..	3.3	..	2.1	0	0	11	00	7	2	1	0	0	0	1	20	0
DIGBOI	0830	152	1013.8	996.3	+0.6	23.4	22.3	21.8	26.1	91	+ 5	4.1	-2.0	4.5	0	0	30	05	5	8	4	1	0	4	3	1	0
	1730	152	1009.5	992.2	+0.1	25.1	25.4	22.5	27.2	86	+ 7	2.7	-2.9	1.4	0	0	11	01	3	4	1	1	0	0	1	20	0
NORTH LAKHIMPUR	0830	102	1013.5	1001.9	+0.8	25.0	21.6	19.8	23.1	75	- 8	3.5	-1.7	3.2	0	0	25	03	11	4	2	3	2	0	0	6	0
	1130	102	1011.9	1000.3	..	27.4	22.9	20.6	24.3	68	..	3.7	..	4.5	0	0	30	00	9	5	6	5	3	0	0	1	0
	1430	102	1009.3	997.8	..	28.3	23.2	20.6	24.3	63	..	3.5	..	4.3	0	0	27	01	8	2	5	8	3	0	0	4	0
	1730	102	1009.7	998.1	+0.9	25.1	23.1	22.1	26.6	83	- 4	2.8	-1.6	1.0	0	0	10	02	3	2	1	0	1	0	1	21	0
	2030	102	1011.5	999.7	..	22.2	21.3	20.9	24.7	92	..	2.3	..	0.6	0	0	6	04	2	0	0	0	0	0	0	25	0
SIBSAGAR	0830	97	1013.6	1002.6	+0.8	24.7	22.7	21.7	25.9	84	- 2	4.7	-1.3	1.8	0	0	18	04	11	1	0	1	1	0	0	13	0
	1730	97	1009.0	998.1	+0.5	27.0	24.1	22.7	27.6	78	- 7	3.5	-0.5	0.7	0	0	8	01	5	1	0	0	1	0	0	23	0
GOHPUR	0830	83	1012.8	1003.4	..	24.2	22.6	21.8	26.1	86	+ 0	4.1	..	2.4	0	0	25	01	8	0	13	0	2	0	1	6	0
	1730	83	1008.9	999.5	..	25.0	23.3	22.4	27.1	86	+ 4	2.5	..	1.2	0	0	17	01	11	0	4	0	0	0	1	14	0
MAJBAT	0830		..	..	..	24.9	23.7	23.6	29.1	91	..	1.7	-2.8	1.3	0	0	12	00	9	0	2	0	1	0	0	19	0
	1730		..	..	..	27.3	26.1	25.6	32.8	90	..	1.2	-2.5	0.3	0	0	5	00	3	0	2	0	0	0	0	26	0
JORHAT AERODROME	0530	90	1011.1	1000.8	..	22.1	21.6	21.4	25.5	96	..	6.1	..	0.5	0	0	2	00	1	0	0	0	1	0	0	29	0
	0830	90	1013.0	1002.8	..	25.3	23.4	22.4	27.0	84	..	4.9	..	4.6	0	0	18	01	15	1	0	0	1	0	0	13	0
	1130	90	1010.9	1000.8	..	27.5	24.5	23.1	28.3	77	..	4.4	..	8.1	0	0	25	01	19	0	1	1	2	0	1	6	0
	1730	90	1009.0	988.8	..	25.2	23.1	22.0	26.4	83	..	3.2	..	1.7	0	0	8	00	5	0	0	0	2	1	0	23	0
	2330	90	1010.7	1000.5	..	23.8	22.7	22.1	26.6	90	..	3.4	..	0.6	0	0	2	00	2	0	0	0	0	0	0	29	0
TANGLA	0830	65	1012.4	1003.6	+0.5	26.4	22.7	20.8	24.5	71	- 8	2.7	-1.0	1.2	0	0	17	00	0	13	1	1	0	2	0	14	0
	1730	65	1008.5	999.7	+0.8	27.1	24.5	23.3	28.6	80	- 2	2.1	-0.5	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
TEZPUR	0830	79	1013.1	1004.4	+0.3	24.4	22.1	20.9	24.7	81	+ 0	3.4	-0.6	2.5	0	0	23	00	16	2	0	1	4	0	0	8	0
	1730	79	1009.9	1001.0	+1.2	26.1	23.1	21.6	25.8	74	- 6	2.0	-0.8	0.9	0	0	11	00	8	0	0	0	3	0	0	20	0
GOLAGHAT	0830	95	1012.1	1001.2	-0.1	24.6	22.4	21.3	25.8	80	- 4	2.6	-3.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	95	1008.9	998.1	+0.7	28.1	23.8	21.7	26.0	69	-11	2.3	-2.9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
RANGIA	0830	60	1013.7	1007.0	..	26.3	23.2	21.7	25.9	76	- 2	2.8	..	6.3	0	0	29	02	3	16	3	0	0	4	1	0	0
	1730	60	1010.6	1004.1	..	27.0	24.1	22.7	27.6	77	+ 1	1.6	..	1.2	0	0	10	00	0	6	1	0	0	3	0	21	0
CHAPARMUKH	0830	66	1013.7	1006.3	+1.1	26.1	23.5	22.2	26.7	79	- 1	2.7	-1.7	2.3	0	0	27	00	2	8	12	3	2	0	0	2	0
	1730	66	1009.5	1002.1	+1.0	27.5	24.0	22.3	26.9	74	- 5	2.1	-1.6	0.8	0	0	9	01	4	2	2	0	0	0	0	17	0
GOALPARA	0830	38	1012.6	1008.2	+0.9	24.6	22.3	21.1	25.0	81	- 1	3.0	-0.8	1.3	0	0	20	00	15	0	3	0	1	1	0	11	0
	1730	38	1008.8	1004.5	+1.1	26.0	24.0	22.1	26.6	70	- 7	1.7	-1.1	0.7	0	0	10	00	2	6	0	0	2	0	0	21	0
GAUHATI(BHORJOR)	0230	54	1010.0	1003.8	..	21.9	21.6	21.4	25.5	96	..	2.0	..	0.8	0	0	4	00	0	1	0	0	1	2	0	27	0
	0530	54	1011.1	1004.8	..	21.2	21.0	20.9	26.3	98	..	3.3	..	0.9	0	0	5	00	1	1	0	2	1	0	0	26	0

TABLE III – SUMMARY OF OBSERVATIONS AT FIXED HOURS – OCTOBER, 1967. (ASVINA 9 – KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 62 or more	20 to 61	1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NORTH ASSAM (INCLUDING NEFA) (CONTD.)																											
GAUHATI (BORJHAR) (CONTD.)	0830	54	1012.8	1006.6	+0.6	25.7	23.3	22.1	26.6	81	-2	3.1	-1.4	4.6	0	0	19	03	7	4	0	1	1	1	2	12	0
	1130	54	1010.9	1004.8	..	28.7	24.4	22.3	27.1	69	..	3.1	..	8.3	0	0	29	11	9	3	0	0	0	2	4	2	0
	1430	54	1008.3	1002.2	..	29.5	24.2	21.6	25.8	63	..	3.3	..	6.6	0	0	28	08	8	2	0	1	1	5	3	3	0
	1730	54	1008.7	1002.6	+0.5	26.2	23.7	22.5	27.3	81	-4	3.6	-0.6	1.4	0	0	7	01	1	0	0	1	0	4	0	24	0
	2030	54	1010.8	1004.6	..	23.7	22.5	22.3	26.9	92	..	2.2	..	0.8	0	0	4	00	0	0	1	3	0	0	0	27	0
	2330	54	1010.9	1004.7	..	22.7	22.0	21.7	26.0	94	..	2.1	..	0.6	0	0	3	00	2	0	0	1	0	0	0	28	0
DHUBRI (RUPSI)	0530	45	1010.8	1005.5	..	20.4	19.9	19.6	22.8	95	..	2.5	..	4.3	0	0	19	00	14	4	0	1	0	0	0	12	0
	0830	45	1012.3	1007.2	+1.0	26.1	23.0	21.3	25.3	76	-5	2.6	-1.0	6.9	0	0	29	00	10	10	2	3	1	2	1	2	0
	1130	45	1010.9	1005.8	..	28.9	24.3	22.1	26.6	67	..	3.2	..	8.3	0	0	28	01	5	10	2	0	8	2	0	3	0
	1730	45	1008.4	1003.2	+0.7	26.3	24.0	22.9	27.9	82	-3	2.4	-0.6	2.1	0	0	9	00	4	0	0	3	2	0	0	22	0
DHUBRI	0830	35	1013.0	1008.9	+0.7	25.7	23.2	21.9	26.3	80	-3	1.9	-1.5	7.5	0	0	26	02	19	2	0	1	2	0	0	5	0
	1730	35	1009.3	1005.3	+0.8	26.5	23.5	22.0	26.4	77	+0	1.9	-1.1	4.3	0	1	18	03	7	2	0	3	3	0	1	12	0
LUMDING	0830	149	1013.5	996.4	..	23.1	21.9	21.0	24.9	87	+3	4.3	..	0.6	0	0	8	02	0	3	1	1	0	0	1	23	0
	1730	149	1008.8	992.1	..	27.8	23.9	22.6	26.6	71	..	2.6	..	0.4	0	0	6	03	0	3	0	0	0	0	0	25	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
TURA	0830	370	1013.2	971.4	+0.6	23.3	21.7	20.8	24.6	87	+1	3.5	-0.6	3.4	0	0	27	00	1	12	6	2	4	1	1	4	0
	1730	370	1009.2	967.9	+0.2	26.3	24.6	23.9	29.6	86	+3	5.1	+0.2	2.3	0	0	23	02	1	6	6	3	0	2	3	8	0
HAFLONG	0830	682	1011.9	936.4	+0.1	22.1	20.2	19.2	22.2	84	-1	3.9	-0.8	20.1	0	0	31	00	0	0	0	1	30	0	0	0	0
	1730	682	1007.9	933.1	+0.5	23.3	20.3	18.6	21.4	76	-6	3.3	-0.8	20.1	0	0	31	00	0	0	0	0	31	0	0	0	0
SILCHAR (KUMBHIRGRAM)	0530	97	1009.8	998.7	..	20.9	19.8	19.2	22.2	90	..	3.2	..	8.5	0	0	28	00	4	23	1	0	0	0	0	3	0
	0830	97	1011.4	1000.4	+0.6	25.0	22.0	20.4	24.0	76	-6	3.1	-1.4	8.8	0	0	31	00	0	22	5	1	2	1	0	0	0
	1130	97	1009.3	998.4	..	28.0	23.2	20.8	24.6	62	..	3.3	..	7.5	0	0	30	00	2	5	7	3	4	4	2	1	3
	1730	97	1007.3	996.4	+0.4	26.5	[illegible]	22.2	26.7	78	-3	2.4	-1.0	1.7	0	0	10	00	2	3	0	0	2	3	0	21	0
SILCHAR	0830	29	1013.0	1009.6	+0.7	25.5	23.2	22.1	26.6	81	-2	3.2	-1.2	0.3	0	0	5	00	2	0	1	1	0	1	0	26	0
	1730	29	1008.8	1005.5	+0.6	27.6	24.4	22.9	27.9	75	-5	2.2	-1.1	0.1	0	0	1	00	0	0	0	0	1	0	0	30	0
IMPHAL (TULIHAL)	0530	781	1013.7	925.9	..	16.5	16.2	16.1	18.3	97	..	5.4	..	0.4	0	0	1	00	0	0	0	0	0	1	0	30	0
	0830	781	1014.2	927.4	+0.5	20.5	18.5	17.4	19.9	83	+3	4.9	-0.4	1.3	0	0	5	00	1	1	1	2	0	0	0	26	0
	1130	781	1010.7	925.5	..	24.6	20.2	17.9	20.5	68	..	0.0	..	3.1	0	0	12	02	1	1	2	3	2	0	1	19	0
	1430	781	1007.8	923.1	..	26.2	20.3	17.1	19.5	58	..	3.3	..	5.4	0	0	17	01	0	0	1	4	2	3	6	14	0
	1730	781	1009.4	923.6	+2.2	22.3	19.7	18.3	21.0	77	+0	3.0	-1.0	3.6	0	0	11	00	0	0	2	1	0	1	7	20	0
	2030	781	1012.5	925.5	..	19.1	18.1	17.5	20.0	90	..	2.2	..	0.7	0	0	4	01	0	1	1	0	0	0	1	27	0
	2330	781	1013.1	925.8	..	17.6	17.1	16.8	19.1	94	..	2.3	..	1.1	0	0	5	01	1	0	0	1	0	0	2	26	0
KAILASHAHAR	0530	29	1011.3	1008.0	..	21.8	21.5	21.3	25.3	97	..	3.5	..	0.9	0	0	11	01	0	1	1	1	6	0	1	20	0
	0830	29	1013.1	1009.8	+0.9	25.9	24.0	23.1	28.3	85	+0	3.2	-1.7	2.7	0	0	29	02	4	4	1	4	7	1	2	2	4
	1130	29	1011.2	1008.0	..	28.9	24.7	22.8	27.7	71	..	3.6	..	3.7	0	0	30	02	12	7	0	3	1	0	1	1	4
	1730	29	1009.3	1006.0	+0.6	27.2	24.8	23.7	29.3	84	-1	2.5	-1.9	1.2	0	0	9	00	2	1	1	0	1	2	1	22	1
AGARTALA	0230	16	1008.9	1007.1	..	22.1	21.4	21.0	24.9	93	..	1.2	..	1.5	0	0	8	00	3	1	2	2	0	0	0	23	0
	0530	16	1009.8	1008.0	..	21.8	21.0	20.7	24.4	95	..	3.0	..	3.0	0	1	11	00	3	2	4	2	0	0	1	19	0
	0830	16	1011.6	1009.8	+0.6	26.9	23.8	22.3	26.9	76	-5	3.1	-1.5	5.8	0	0	19	03	7	3	4	1	0	1	0	12	0
	1130	16	1010.0	1008.2	..	28.9	23.9	21.2	25.2	65	..	3.9	..	9.2	0	1	28	06	4	2	3	2	2	2	8	2	0
	1430	16	1007.8	1006.0	..	29.7	24.0	21.1	25.0	61	..	3.6	..	8.8	0	0	29	09	3	0	4	0	1	1	11	2	0
	1730	16	1008.1	1006.3	+0.4	26.8	23.9	22.5	27.2	77	-5	2.6	-1.7	4.2	0	1	16	07	3	1	0	2	0	1	3	14	0
	2030	16	1009.9	1008.1	..	24.3	22.8	22.1	26.6	87	..	1.7	..	1.1	0	0	5	02	1	1	1	0	0	0	0	26	0
	2330	16	1009.9	1008.1	..	22.8	21.8	21.3	25.3	91	..	2.0	..	1.6	0	0	6	01	1	1	2	1	0	0	0	25	0
SUB-HIMALAYAN WEST BENGAL																											
BAGDOGRA	0230	131	1010.2	995.1	..	21.4	20.4	19.8	23.1	91	..	1.7	..	2.2	0	0	6	02	4	0	0	0	0	0	0	25	0
	0530	131	1011.1	995.8	..	18.4	17.7	17.3	19.7	93	..	2.1	..	2.8	0	0	9	04	5	0	0	0	0	0	0	22	0
	0830	131	1012.8	997.9	+1.3	26.1	22.0	19.8	23.1	68	-9	2.1	-1.6	8.0	0	1	23	02	14	6	1	0	0	1	0	7	0
	1130	131	1011.3	996.8	..	29.7	23.8	20.9	24.7	59	..	2.7	..	9.0	0	0	24	00	3	8	5	4	1	3	0	7	0
	1430	131	1008.7	994.0	..	30.9	24.5	21.4	25.5	57	..	3.1	..	9.0	0	0	26	01	2	3	3	7	8	2	0	5	0
	1730	131	1008.9	994.1	+1.0	26.2	23.1	21.5	25.6	76	-7	2.5	-1.0	7.2	0	3	14	01	3	1	1	2	6	3	0	14	0
	2030	131	1010.9	996.0	..	24.2	22.7	21.9	26.3	88	..	2.0	..	3.5	0	0	11	02	2	1	0	0	0	1	5	20	0
	2330	131	1011.1	996.1	..	22.3	21.1	20.5	24.1	89	..	1.5	..	3.4	0	0	13	05	5	1	0	0	1	0	1	18	0
JALPAIGURI	0830	83	1012.7	1003.3	+0.7	24.0	21.4	20.0	23.4	78	-4	1.6	-1.5	2.8	0	1	25	10	12	3	0	0	0	0	1	5	0
	1730	83	1008.8	999.3	+0.5	27.5	23.1	20.9	24.7	68	-3	1.3	-1.3	1.2	0	0	8	01	2	2	1	0	1	1	0	23	0
COOCH BEHAR AERODROME	0830	43	1012.9	1008.1	+1.4	25.3	21.9	20.1	23.5	73	-5	2.6	-1.1	6.1	0	0	24	02	11	9	1	0	0	1	0	7	0
	1130	43	1011.4	1006.5	..	28.3	23.3	21.1	25.0	64	..	2.8	..	7.6	0	0	27	01	4	15	1	1	2	1	2	4	0
	1730	43	1009.0	1004.2	+0.9	25.9	23.1	21.7	25.9	78	-2	2.8	-0.4	0.8	0	0	2	00	0	1	1	0	0	0	0	29	0
BALURGHAT	0830	..	..	..	..	27.6	24.1	22.5	27.3	74	..	1.6	..	3.3	0	0	28	10	1	8	4	2	2	0	1	3	0
	1730	..	..	..	..	27.4	24.2	22.7	27.6	78	..	0.8	..	0.4	0	0	6	04	1	1	0	0	0	0	0	25	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – OCTOBER, 1967. (ASVINA 9 - KARTIKA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lst. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
[illegible]																											
[illegible]	0830	31	1012.3	1008.7	+0.7	27.[illegible]	23.4	21.6	25.5	71	- 4	1.5	-1.[illegible]	1.0	0	0	13	06	5	1	1	0	0	0	0	18	0
	1730	31	1008.5	1005.0	+0.4	26.0	23.3	20.9	24.7	66	- 7	1.8	-1.2	1.0	0	0	11	05	3	0	1	1	1	0	0	26	0
[illegible]																											
[illegible]	0830	19	1012.1	1009.9	+0.7	27.9	23.9	22.0	26.4	70	- 6	1.7	-1.6	0.3	0	0	2	01	0	1	0	0	0	0	0	29	0
	1730	19	1006.6	1006.4	+0.6	27.4	23.3	21.3	25.3	69	- 4	1.5	-2.0	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
SIKI	0330		..	..	..	27.4	23.1	21.1	25.0	70	- 6	1.2	-2.5	3.8	0	0	31	08	0	11	0	9	0	3	0	0	0
ASANSOL	0230	126	1009.9	995.4	..	21.7	20.7	20.2	23.7	91	..	1.2	..	0.7	0	0	4	00	2	0	0	0	0	0	2	27	0
	0530	126	1010.7	996.2	..	21.0	20.2	19.8	23.1	92	..	2.0	..	0.6	0	0	7	00	0	2	0	1	0	3	1	24	0
	0830	126	1012.3	998.0	+1.0	26.8	22.8	20.7	24.4	70	- 7	1.5	-1.5	3.1	0	0	23	01	3	0	2	3	1	4	9	8	0
	1130	126	1010.9	996.[illegible]	..	31.2	23.9	20.2	23.7	52	..	2.7	..	5.2	0	0	30	06	9	3	1	2	0	4	5	1	0
	1430	126	1008.5	994.4	..	31.4	23.6	18.9	23.2	51	..	2.5	..	5.0	0	0	29	06	7	4	1	1	2	4	4	2	0
	1730	126	1008.8	994.6	+1.5	27.3	23.8	22.1	26.6	74	+ 5	2.1	-1.5	0.9	0	0	7	01	2	1	1	1	1	0	0	24	0
	2030	126	1010.7	996.3	..	23.8	21.9	20.[illegible]	24.7	[illegible]	..	1.4	..	1.7	0	0	12	00	4	2	2	1	1	0	2	19	0
	2330	126	1011.0	995.5	..	22.3	21.0	20.2	23.7	88	..	1.2	..	1.2	0	0	6	00	0	0	0	2	1	1	2	25	0
SHANTI NIKETAN	0830	59	1012.4	1005.7	..	26.6	23.8	22.5	27.3	78	..	1.[illegible]	..	3.1	0	0	21	08	3	0	2	4	1	1	2	10	0
	1130	59	1011.3	1004.7	..	29.9	23.7	20.5	24.3	59	..	2.1	..	2.3	0	0	18	04	5	1	0	3	1	3	1	13	0
	1730	59	1009.0	1002.3	..	26.8	23.9	22.5	27.3	77	..	2.3	..	1.2	0	0	9	01	3	0	2	2	1	0	0	22	0
SRISHAMAGAR	0830	15	1012.0	1010.3	+0.6	28.5	24.2	22.1	26.6	69	- 5	1.5	-1.7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	15	1009.2	1007.6	+1.2	28.2	23.5	21.1	25.0	66	-10	1.3	-2.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
PURULIA	0830	255	1012.6	983.8	+1.2	25.0	21.4	19.4	22.5	71	- 3	2.4	-0.7	3.3	0	[illegible]	23	06	3	0	2	2	1	[illegible]	0	3	[illegible]
	1730	255	1008.9	980.5	+1.2	27.8	22.4	19.5	22.7	61	- 6	2.7	-1.5	1.5	0	0	14	05	3	0	3	1	2	0	0	17	[illegible]
BANKURA	0830	100	1011.9	1000.6	..	26.2	22.3	20.3	23.8	69	..	1.5	..	0.8	0	0	12	02	2	0	1	1	0	4	2	19	[illegible]
	1730	100	1009.1	998.2	..	28.2	22.7	19.8	23.1	61	..	1.2	..	1.0	0	0	0	00	0	0	0	0	0	0	0	31	0
BIRBHUM	0830	32	1011.5	1007.9	+0.4	27.3	24.1	22.6	27.4	76	- 2	1.9	-1.0	2.9	0	0	26	08	0	5	3	1	2	6	1	5	0
	1730	32	1008.0	1004.3	+0.1	29.4	24.3	21.8	26.1	64	- 9	1.7	-1.5	2.2	0	0	28	10	2	1	1	3	2	7	2	3	0
CALCUTTA (Dum Dum)	0230	6	1009.1	1008.4	..	23.6	22.7	22.3	26.9	92	..	1.6	..	1.4	0	0	10	01	2	2	1	3	0	0	1	21	0
	0530	6	1009.9	1009.2	..	23.0	22.3	21.9	26.3	93	..	3.4	..	1.5	0	0	9	02	2	1	1	1	0	1	2	22	[illegible]
	0830	6	1011.7	1011.0	+0.5	27.2	23.7	22.0	26.4	73	- 4	2.7	-1.0	4.3	0	[illegible]	26	05	3	2	2	1	2	6	5	5	[illegible]
	1130	6	1010.4	1009.7	..	30.0	23.5	20.1	23.5	56	..	4.3	..	5.5	0	0	30	09	4	6	[illegible]	1	0	3	5	1	0
	1430	6	1008.2	1007.5	..	30.[illegible]	23.5	19.9	23.2	54	..	4.0	..	4.6	0	0	29	10	4	3	3	1	2	0	5	3	0
	1730	6	1008.5	1007.8	+0.5	28.0	23.8	21.8	26.1	69	- 8	3.2	-1.2	2.6	0	0	17	03	0	2	0	3	0	1	2	14	0
	2030	6	1010.2	1009.5	..	25.5	23.7	22.8	27.7	85	..	1.6	..	1.6	0	0	9	02	0	0	4	1	1	1	0	22	[illegible]
	2330	6	1010.1	1009.4	..	24.2	23.0	22.4	27.1	90	..	1.4	..	1.4	0	0	[illegible]	00	1	3	1	2	0	0	1	23	0
CALCUTTA	0330	6	1011.8	1011.1	+0.6	28.5	23.9	21.5	25.6	67	-13	2.7	-0.[illegible]	5.1	0	1	28	03	4	3	3	2	1	3	9	3	0
	1130	6	1010.4	1009.7	..	31.0	23.7	19.9	23.2	53	..	3.6	..	6.8	0	0	30	04	6	1	2	4	2	3	5	1	0
	1730	6	1008.5	1007.8	+0.6	28.2	23.6	21.3	25.3	66	-11	2.4	-1.4	3.6	0	0	25	01	2	2	2	2	3	1	10	6	0
[illegible]	0330	45	1012.1	1006.8	+0.7	26.1	22.7	20.9	24.7	73	- 5	1.5	-1.4	1.1	0	0	14	03	5	1	1	0	0	0	4	17	0
	1730	45	1008.5	1003.4	+0.8	28.4	23.5	21.1	25.0	65	- 9	1.3	-2.1	0.6	0	0	9	03	4	1	0	1	[illegible]	0	0	22	0
[illegible]	0330	11	1011.7	1010.5	+1.4	27.6	24.0	22.3	26.9	73	- 8	1.6	-1.[illegible]	4.7	0	0	28	18	1	2	1	3	2	1	0	3	0
	1730	11	1008.1	1006.9	+0.5	28.3	23.8	21.5	25.6	67	-15	1.5	-1.[illegible]	3.5	0	0	22	05	1	3	3	8	1	0	1	9	0
SAGAR ISLAND	0330	3	1011.2	1010.9	+0.6	27.5	24.7	23.4	28.8	79	+ 1	3.2	-1.2	11.3	0	3	28	05	5	3	1	2	1	2	9	0	0
	1730	3	1008.1	1007.8	+0.5	27.7	24.3	22.7	27.6	74	- 5	3.0	-1.6	10.0	0	3	27	06	3	2	2	7	4	0	6	1	0
SAUGHEADS	0330	10	1009.5	1008.4	..	27.3	24.3	22.9	27.9	77	..	3.1	..	12.6	0	6	21	04	8	1	2	2	4	4	2	4	0
	0830	10	1011.5	1010.4	+0.7	28.5	24.7	22.6	27.7	71	- 3	3.1	-0.9	15.0	0	8	20	08	6	2	1	5	1	2	3	3	0
	1130	10	1010.7	1009.6	..	29.6	25.0	22.9	27.9	67	..	3.1	..	15.0	1	6	21	09	4	1	1	3	3	1	6	3	0
	1730	10	1008.6	1007.7	+0.8	28.3	24.2	22.3	26.9	70	- 4	3.1	-0.9	10.6	0	3	23	05	5	0	4	1	2	2	7	5	0
	2330	10	1010.5	1009.4	..	27.5	24.4	22.9	27.9	77	..	0.2	..	10.1	0	7	11	05	3	0	3	1	4	0	2	13	0
ORISSA																											
[illegible]	0830	54	1012.9	1006.7	+1.4	26.2	22.4	20.4	24.0	71	- 6	1.4	-2.5	2.6	0	0	20	09	7	1	0	0	0	1	2	11	0
	1730	54	1009.6	1003.5	+1.3	27.5	23.5	21.5	25.6	70	- 8	2.1	-2.3	0.5	0	0	6	01	1	1	1	1	1	0	0	25	0
JEYPORE	0230	230	1010.0	983.7	..	22.0	20.1	19.0	22.0	84	..	1.1	..	2.1	0	0	15	04	7	1	1	1	0	0	1	16	0
	0530	230	1010.7	984.3	..	20.6	19.6	19.1	22.1	90	..	2.[illegible]	..	3.0	0	0	16	05	9	2	0	0	0	0	0	15	0
	0830	230	1012.3	986.2	+1.4	25.3	21.2	18.9	21.8	67	-11	1.8	-2.4	4.5	0	0	22	02	13	5	1	0	0	1	0	9	0
	1130	230	1010.7	985.4	..	30.0	21.9	17.0	19.4	47	..	2.2	..	7.0	0	0	26	05	9	4	2	[illegible]	0	3	3	5	0
	1430	230	1008.1	982.7	..	31.1	21.9	16.6	18.9	40	..	2.3	..	7.8	0	1	28	04	5	7	1	2	0	6	4	2	0
	1730	230	1008.1	982.5	+0.9	29.2	21.9	17.7	20.2	50	-19	2.2	-2.3	5.0	0	0	26	03	3	4	6	1	4	3	2	5	0
	2030	230	1010.4	984.4	..	25.2	21.1	18.9	21.7	67	..	1.5	..	2.1	0	0	11	01	2	0	2	3	2	1	0	20	0
	2330	230	1011.0	984.8	..	22.9	20.7	19.5	22.7	80	..	1.3	..	3.0	0	0	15	01	8	0	2	3	0	0	1	16	0
[illegible]	0830	463	1013.4	961.6	+1.6	23.2	20.3	18.8	21.7	75	- 1	1.8	-2.0	0.8	0	0	12	02	0	1	0	1	0	1	0	19	0
	1730	463	1008.5	957.7	+0.6	27.2	22.1	19.7	22.9	64	- 7	1.7	-3.3	1.0	0	0	16	04	0	4	0	0	0	8	0	15	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or alt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 63 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORISSA (CONTD)																											
BALASORE	0830	20	1012.0	1009.7	+1.0	27.0	23.1	21.1	25.0	72	- 6	1.9	-2.6	6.6	0	0	30	19	3	0	0	0	4	1	3	1	0
	1730	20	1008.9	1006.7	+1.1	27.4	24.2	22.7	27.6	77	- 2	3.0	-2.2	3.0	0	0	15	03	1	2	3	6	0	0	0	16	0
SAMBALPUR	0830	148	1011.9	995.1	+0.5	26.2	22.3	20.3	23.8	70	- 8	1.1	-2.5	0.5	0	0	7	02	2	1	1	0	0	1	0	24	0
	1730	148	1009.0	992.4	+1.4	28.6	24.6	22.7	27.6	71	+ 4	0.9	-3.3	0.1	0	0	1	00	1	0	0	0	0	0	0	30	0
ANGUL	0830	139	1012.1	996.3	+0.7	26.2	22.5	20.5	24.1	71	-10	3.1	-1.4	2.2	0	0	24	02	2	3	0	0	0	13	4	7	0
	1730	139	1008.6	993.1	+0.9	29.0	22.7	19.3	22.4	57	-10	3.2	-1.7	1.7	0	0	21	04	2	7	1	2	0	4	1	10	0
CHANDBALI	0830	6	1011.6	1010.9	+0.6	27.2	24.2	22.8	27.7	77	- 5	2.3	-1.4	3.7	0	1	28	00	3	5	1	2	1	2	15	2	0
	1730	6	1008.5	1007.8	+0.5	28.3	24.0	21.9	26.3	68	-11	2.6	-1.6	3.1	0	1	24	02	7	10	3	2	0	0	1	6	0
BOLANGIR	0830	190	1012.1	990.6	+1.7	26.1	22.8	20.9	24.7	73	- 5	1.8	-2.7	1.2	0	0	14	02	3	0	3	2	2	1	1	17	0
	1730	190	1008.4	987.2	+1.3	29.3	23.8	21.1	25.0	62	- 6	2.4	-2.5	1.5	0	0	15	08	2	1	0	3	1	0	0	16	0
PHULBANI	0830	489	1012.4	960.6	..	23.5	20.3	18.4	21.1	75	..	0.3	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	489	1007.7	956.8	..	27.4	21.5	18.1	20.8	59	..	0.4	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
CUTTACK	0830	27	1012.4	1009.4	+1.4	26.9	23.3	21.5	25.6	73	- 6	1.5	-2.3	2.0	0	0	18	03	1	2	0	0	0	11	1	13	0
	1730	27	1009.1	1006.1	+1.4	30.5	24.1	20.9	24.7	58	-14	1.5	-3.3	2.8	0	0	19	01	3	6	1	6	0	1	1	12	0
TITLAGARH	0830	211	1010.8	987.0	+0.6	25.4	21.9	20.1	23.5	72	- 7	4.0	+0.7	2.0	0	0	31	00	11	0	12	0	8	0	0	0	0
	1730	211	1007.0	983.6	+0.5	29.8	23.0	19.4	22.5	54	-15	3.3	-0.8	1.7	0	0	26	00	21	0	2	0	1	0	2	5	0
BHUBANESWAR	0230	46	1009.5	1004.3	..	23.4	22.1	21.5	25.6	89	..	1.9	..	5.4	0	0	21	03	6	1	0	0	6	4	1	10	0
	0530	46	1010.1	1004.9	..	22.5	21.6	21.1	25.0	92	..	3.1	..	6.8	0	1	24	13	2	0	0	0	1	3	6	6	0
	0830	46	1012.0	1006.9	+1.5	27.1	23.7	22.1	26.6	74	- 6	2.6	-2.1	7.9	0	2	22	07	4	0	0	0	2	6	5	7	0
	1130	46	1010.8	1005.7	..	30.4	23.6	20.1	23.5	55	..	3.7	..	11.7	0	4	24	05	8	2	0	3	4	2	4	3	0
	1430	46	1008.4	1003.3	..	30.8	23.5	19.7	22.9	53	..	4.7	..	13.4	0	5	25	04	14	2	0	0	3	3	4	1	0
	1730	46	1008.8	1003.7	+1.2	28.5	23.8	21.5	25.6	66	-12	3.8	-1.6	6.9	0	1	25	03	7	5	1	5	2	2	1	5	0
	2030	46	1010.8	1005.6	..	25.8	23.4	22.2	26.7	81	..	2.2	..	5.0	0	0	24	01	6	2	0	3	9	2	1	7	0
	2330	46	1010.7	1005.5	..	24.4	22.8	22.0	26.4	86	..	2.2	..	5.4	0	1	21	01	6	1	1	3	6	2	2	9	0
PURI	0830	6	1011.3	1010.6	+0.4	28.0	24.4	22.7	27.6	73	- 4	7.5	+3.5	6.5	0	0	28	14	2	0	0	1	3	1	3	3	4
	1730	6	1007.3	1006.6	-0.6	29.2	25.3	23.5	28.9	73	- 2	7.2	+2.4	8.7	0	2	24	05	2	2	2	1	12	0	1	5	1
GOPALPUR	0530	17	1010.1	1008.2	..	23.4	22.0	21.3	25.3	88	..	3.9	..	10.2	0	2	27	13	0	0	0	0	0	0	16	2	0
	0830	17	1012.1	1010.1	+1.1	26.2	23.3	21.9	26.3	77	- 3	3.2	-1.0	9.8	0	3	26	13	0	0	0	0	1	1	14	2	0
	1130	17	1011.2	1009.3	..	30.7	25.1	22.5	27.3	62	..	3.5	..	11.7	0	3	27	09	3	8	2	3	0	2	3	1	0
	1730	17	1009.0	1007.1	+1.1	29.0	24.3	22.1	26.6	66	-11	3.8	-1.0	12.3	0	3	27	04	2	9	6	9	0	0	0	1	0
	2330	17	1010.9	1008.9	..	25.5	23.4	22.6	27.4	83	..	2.6	..	6.5	0	1	22	08	0	0	0	1	2	6	6	8	0
KORAPUT	0830	913	1523.8	912.3	+1.6	21.8	19.3	17.9	20.5	79	- 2	2.1	-1.6	9.3	0	2	29	02	2	0	6	0	0	21	0	0	0
	1730	913	1499.5	909.4	+1.1	23.4	19.3	17.0	19.4	65	- 8	4.3	-0.9	13.2	0	7	24	08	0	0	0	0	0	21	2	0	0
BIHAR PLATEAU																											
DUMKA	0830	149	1012.2	995.3	+0.8	26.5	22.6	20.5	24.1	71	- 3	1.0	-1.4	1.1	0	0	8	01	0	0	1	1	0	2	3	23	0
	1730	149	1008.5	991.8	+0.4	28.3	23.3	20.8	24.6	65	- 4	1.2	-1.7	0.6	0	0	4	00	1	0	2	1	0	0	0	27	0
DALTONGANJ	0830	221	1012.6	987.5	+0.8	25.1	20.9	18.5	21.3	67	- 6	1.7	-0.9	0.5	0	0	4	00	1	0	0	0	3	0	0	27	0
	1730	221	1008.6	983.9	+0.8	28.6	21.6	17.6	20.1	52	- 8	2.1	-1.2	2.4	0	0	22	01	7	0	3	0	3	2	6	9	0
HAZARIBAGH	0830	611	1011.9	944.3	+0.6	24.4	19.1	16.1	18.3	60	-10	1.2	-1.8	3.0	0	0	21	03	1	2	3	3	3	2	4	10	0
	1730	611	1008.8	941.5	+0.6	24.6	19.1	15.9	18.1	58	-11	2.2	-1.3	3.9	0	0	22	06	4	2	1	0	0	0	9	9	0
DHANBAD	0830	257	1011.8	982.9	+0.5	26.5	21.6	18.9	21.8	64	- 8	0.7	-3.4	1.1	0	0	13	00	2	1	2	1	5	0	2	18	0
	1730	257	1008.3	979.5	..	27.7	21.7	18.3	21.0	57	..	2.1	..	1.8	0	0	26	01	3	0	10	0	1	2	9	5	0
RANCHI	0830	655	1012.2	939.6	+1.1	23.2	18.6	15.9	18.1	63	- 8	0.7	-2.2	1.9	0	0	29	09	0	7	0	8	0	5	0	2	0
	1730	655	1009.0	937.1	+1.2	25.4	20.9	18.6	21.4	66	- 2	1.3	-2.0	1.9	0	0	28	13	1	7	0	1	0	6	0	3	0
RANCHI AERODROME	0530	652	1011.5	938.2	..	18.7	16.6	15.3	17.4	80	..	1.6	..	2.3	0	0	8	03	1	0	0	0	0	1	3	23	0
	0830	652	1011.6	939.7	+0.8	24.0	18.5	15.2	17.3	59	-13	1.0	-3.0	8.1	0	1	22	03	4	1	2	2	3	4	4	8	0
	1130	652	1010.0	938.8	..	26.9	18.6	13.4	15.4	44	..	2.7	..	11.5	0	4	22	07	6	2	2	0	1	1	7	5	0
	1430	652	1007.5	936.6	..	27.3	18.5	12.9	14.9	42	..	2.5	..	14.2	0	0	30	09	5	3	2	1	1	0	9	1	0
	1730	652	1008.2	936.8	+0.8	25.2	18.6	14.6	16.6	52	-17	2.1	-2.2	7.4	0	0	27	11	5	3	2	0	0	0	6	4	0
	2030	652	(R)																								
JAMSHEDPUR	0830	129	1011.9	997.2	+0.3	24.8	21.7	20.0	23.4	75	- 2	1.3	-2.1	1.8	0	0	21	02	2	1	0	0	0	9	7	10	0
	1730	129	1008.3	993.9	+1.0	28.9	23.4	20.5	24.1	61	- 7	1.6	-2.5	5.0	0	0	6	01	1	3	0	1	0	0	0	25	0
JAMSHEDPUR P.R.O.	0530	142	1010.6	994.3	..	21.1	20.1	19.5	22.7	91	..	2.1	..	1.7	0	0	7	00	2	0	0	0	1	2	2	24	0
	0830	142	1012.3	996.1	+1.2	24.9	21.8	20.1	23.5	75	- 3	1.9	-2.1	5.1	0	0	25	00	3	0	0	0	2	6	14	6	0
	1130	142	1010.7	994.8	..	29.5	23.1	19.1	22.1	56	..	2.6	..	6.6	0	0	27	00	3	2	1	3	1	7	10	4	0
	1430	142	1008.1	992.3	..	30.8	22.7	18.3	21.0	48	..	3.0	..	6.6	0	0	28	05	4	1	1	1	1	1	14	3	0
	1730	142	1008.3	992.5	+1.0	28.6	22.9	19.9	23.2	60	- 7	2.8	-1.8	1.9	0	0	11	02	4	4	0	1	0	0	0	20	0
	2030	142	1010.5	994.4	..	24.4	22.5	21.5	25.6	83	..	1.3	..	1.9	0	0	10	02	1	3	0	0	0	0	4	21	0
	2330	142	1010.7	994.5	..	22.9	21.4	20.6	24.3	87	..	0.9	..	1.0	0	0	6	00	0	3	0	0	0	0	3	25	0
CHAIBASA	0830	226	1012.3	986.7	+0.9	25.2	21.4	19.3	22.4	70	- 7	2.1	-1.7	1.8	0	0	24	00	5	0	2	0	15	0	2	7	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BIHAR PLATEAU(CONTD.)																											
CHAIBASA	1730	226	1008.5	983.2	+0.9	28.3	22.1	18.7	21.6	56	-12	3.3	-1.3	0.5	0	0	6	00	3	1	1	0	1	0	0	25	0
BIHAR PLAINS																											
MOTIHARI	0830	66	1012.4	1004.8	+1.2	25.4	22.9	21.7	25.9	80	+ 3	0.6	-1.4	0.9	0	0	12	02	2	5	2	0	0	0	1	19	0
	1730	66	1008.1	1000.6	+0.4	27.4	24.1	22.5	27.3	75	+ 1	0.6	-0.9	0.0	0	0	0	00	0	0	0	0	0	0	0	26	0
FORBESGANJ	0830	51	1012.2	1005.3	+1.3	25.5	22.3	20.6	24.3	75	- 3	1.2	-1.9	1.9	0	0	21	00	6	11	2	0	0	1	1	10	0
	1730	61	1008.6	1001.7	+1.1	28.0	23.5	21.3	25.3	67	- 4	1.2	-1.5	1.0	0	0	14	00	0	3	0	0	3	7	1	17	0
DARBHANGA	0830	49	1011.8	1006.3	+0.3	27.7	23.5	21.4	25.5	68	- 7	0.9	-1.5	1.2	0	0	12	00	3	3	2	0	1	1	2	19	0
	1730	49	1008.1	1002.8	+0.4	28.6	24.2	22.1	26.6	69	+ 0	0.5	-1.5	0.2	0	0	2	00	1	0	1	0	0	0	0	29	0
MUZAFFARPUR	0830		..	..	..	26.2	23.3	21.9	26.3	77	..	0.6	..	0.8	0	0	5	01	1	3	0	0	0	0	0	26	0
	1730		..	..	..	27.5	23.7	21.9	26.3	72	..	1.0	..	0.2	0	0	2	01	0	1	0	0	0	0	0	29	0
CHAPRA	0830	58	1011.7	1005.1	..	26.5	22.6	20.5	24.1	70	..	0.6	..	2.5	0	0	23	01	1	0	6	0	11	0	4	8	0
	1730	58	1008.8	1002.3	..	29.0	23.5	20.8	24.6	62	..	0.5	..	0.9	0	0	13	01	3	0	3	0	1	2	3	18	0
PURNEA	0830	38	1012.5	1008.3	+0.9	25.9	22.8	21.3	25.3	74	- 3	1.4	-1.3	1.1	0	0	17	02	2	7	1	1	2	1	1	14	0
	1730	38	1008.7	1004.5	+0.9	27.9	24.3	22.6	27.4	73	- 4	1.1	-1.2	0.3	0	0	4	00	0	2	1	0	1	0	0	27	0
PATNA	0830	53	1012.1	1006.1	+0.7	26.7	22.5	20.3	23.8	68	- 2	3.0	+0.7	3.9	0	0	24	01	4	0	3	3	7	4	2	7	0
	1730	53	1008.7	1002.7	+0.8	29.5	22.7	19.1	22.1	54	- 8	1.1	-1.1	2.4	0	0	18	02	4	3	0	2	5	1	1	13	0
PATNA AERODROME	0230	60	1009.9	1003.1	..	21.5	20.2	19.5	22.7	89	..	0.5	..	0.7	0	0	5	01	0	1	0	1	2	0	0	19	0
	0530	60	1009.7	1002.8	..	21.4	20.3	19.7	22.9	90	..	1.8	..	1.4	0	0	10	00	0	1	3	1	2	2	1	21	0
	0830	60	1011.7	1004.9	+1.0	26.4	22.3	20.1	23.5	68	- 6	1.4	-1.2	6.5	0	0	30	02	2	3	1	5	7	8	1	1	1
	1130	60	1010.7	1004.0	..	30.3	22.9	18.9	21.8	52	..	2.6	..	6.6	0	0	31	02	3	3	2	3	5	8	4	0	1
	1430	60	1008.2	1001.5	..	31.2	22.5	17.6	20.1	45	..	2.6	..	7.2	0	0	31	03	3	5	1	1	7	4	4	0	3
	1730	60	1008.1	1001.3	+0.7	28.6	22.7	19.5	22.7	58	- 9	2.0	-0.6	2.3	0	1	12	01	1	2	1	0	2	5	1	18	0
	2030	60	1009.9	1003.1	..	24.8	22.1	20.7	24.4	78	..	1.2	..	1.4	0	0	9	00	3	2	1	1	1	1	0	22	0
	2330	60	1010.1	1003.2	..	23.1	21.2	20.1	23.5	83	..	1.2	..	1.1	0	0	7	00	0	2	1	0	2	1	1	24	0
BHAGALPUR	0530	49	1010.3	1004.7	..	22.6	21.4	20.8	24.6	89	..	3.0	..	1.9	0	0	21	00	1	3	6	9	1	1	0	10	0
	0830	49	1012.3	1006.8	+1.1	26.4	22.8	21.0	24.9	72	- 3	2.6	-0.4	2.3	0	0	27	01	3	1	7	3	2	7	3	4	0
	1130	49	1011.2	1005.7	..	29.5	23.5	20.5	24.1	59	..	3.6	..	3.1	0	0	31	01	4	4	6	0	2	10	4	0	0
	1730	49	1008.6	1003.1	+0.9	28.1	23.3	20.9	24.7	65	- 8	4.1	+1.0	1.7	0	0	24	01	5	3	0	3	4	5	3	7	0
	2330	49	1010.7	1005.1	..	24.4	22.4	21.4	25.5	83	..	2.0	..	2.2	0	0	24	00	2	2	8	6	2	3	1	7	0
SABAUR	0830	37	1012.3	1008.1	+0.8	25.9	23.3	22.0	26.4	79	+ 2	1.8	-1.1	3.7	0	0	28	01	2	4	3	1	11	5	1	3	0
	1730	37	1008.7	1004.5	+0.8	27.6	24.9	23.7	29.3	79	+ 4	2.0	-0.9	1.6	0	0	12	00	1	1	1	0	2	3	4	19	0
JAMUI	0830	82	(R)																								
	1730	82	(R)																								
DEHRI	0830	107	1011.9	999.7	+1.1	26.4	22.3	20.1	23.5	69	- 3	1.3	-1.0	2.8	0	0	31	00	2	1	4	9	10	1	4	0	0
	1730	107	1007.9	995.9	+0.9	29.7	23.4	20.1	23.5	56	- 8	1.3	-1.1	1.9	0	0	25	02	4	5	1	0	0	7	6	6	0
GAYA	0230	116	1010.3	997.0	..	21.5	20.7	20.3	23.8	92	..	0.9	..	2.6	0	0	19	00	2	1	8	6	2	0	0	12	0
	0530	116	1010.7	997.3	..	20.4	19.8	19.5	22.7	94	..	1.5	..	3.9	0	0	21	00	1	3	10	6	1	0	0	10	0
	0830	116	1012.5	999.3	+1.0	25.0	21.9	20.1	23.5	74	+ 2	1.6	-0.9	5.4	0	0	24	01	2	3	4	11	1	2	0	7	0
	1130	116	1011.6	998.6	..	30.0	23.1	19.5	22.7	54	..	1.7	..	7.3	0	0	28	05	4	1	1	3	4	6	3	3	1
	1430	116	1009.0	996.7	..	30.5	22.5	18.0	20.6	45	..	2.4	..	8.6	0	1	30	05	4	3	1	0	2	7	3	0	1
	1730	116	1009.0	996.0	+1.1	28.8	22.6	19.3	22.4	57	- 4	1.8	-0.9	3.3	0	0	21	05	2	0	0	0	2	8	4	10	0
	2030	116	1010.9	997.7	..	24.9	22.1	20.6	24.3	77	..	1.4	..	2.9	0	0	17	04	2	2	1	4	3	1	0	14	0
	2330	116	1011.2	997.9	..	22.7	21.4	20.7	24.4	88	..	1.0	..	3.8	0	0	21	00	2	3	8	6	2	0	0	10	0
UTTAR PRADESH EAST																											
KHERI	0830	147	(R)																								
	1730	147	(R)																								
BAHRAICH	0830	124	(R)																								
	1730	124	(R)																								
NAUTANWA	0830	99	1012.2	1000.8	+0.9	24.6	21.3	19.4	22.5	73	-11	0.2	-2.4	0.7	0	0	10	00	5	2	0	1	1	1	0	21	0
	1730	99	1008.7	997.5	+0.6	27.3	22.5	20.0	23.4	65	- 6	0.3	-1.5	0.1	0	0	2	00	0	0	2	0	0	0	0	29	0
HARDOI	0830	142	1011.7	995.8	+1.5	25.3	21.0	18.0	20.6	64	-13	0.2	-1.3	1.6	0	0	22	04	0	4	0	3	0	11	0	9	0
	1730	142	1008.3	992.4	+1.1	29.5	22.5	18.5	21.3	53	- 8	0.3	-1.2	0.7	0	0	12	02	0	2	0	0	1	7	0	19	0
GONDA	0830	110	1012.5	1000.2	+1.0	26.2	21.3	18.1	20.8	64	-15	0.7	-0.9	1.7	0	0	19	01	1	6	0	0	0	3	8	12	0
	1730	110	1008.7	996.4	+0.5	28.6	21.8	17.9	20.9	53	-13	0.1	-1.4	0.0	0	0	1	01	0	0	0	0	0	0	0	30	0
LUCKNOW	0830	128	1011.4	998.8	+0.1	24.9	22.9	21.9	26.3	83	+11	0.5	-0.4	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	111	1007.9	995.3	+0.2	30.5	25.7	23.3	28.6	67	+ 7	0.1	-1.4	0.1	0	0	1	00	1	0	0	0	0	0	0	30	0
LUCKNOW(AMAUSI)	0230	128	1010.0	995.2	..	19.4	18.0	17.1	19.5	87	..	0.4	..	2.8	0	1	11	01	3	2	1	0	0	4	1	19	0
	0530	128	1010.2	995.3	..	18.5	17.3	16.5	18.8	88	..	0.5	..	1.7	0	0	9	01	1	3	1	0	1	2	0	22	0
	0830	128	1011.3	997.4	+1.0	29.5	20.1	17.5	20.0	65	- 8	0.7	-1.2	4.0	0	0	19	01	0	3	3	3	4	3	2	12	0
	1130	128	1011.3	997.0	..	30.4	21.5	14.3	16.3	38	..	0.8	..	7.9	0	0	29	05	3	2	4	1	3	3	8	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																											
LUCKNOW (AMAUSI)	1430	128	1008.7	994.5	..	31.9	20.9	13.5	15.5	33	..	1.2	..	10.2	0	4	26	03	6	0	0	1	3	6	11	1	0
	1730	128	1008.5	994.2	+0.8	28.8	21.4	16.9	19.2	49	-13	0.5	-1.6	3.5	0	0	19	03	4	2	0	0	1	5	4	12	0
	2030	128	1010.4	995.9	..	22.9	19.7	17.1	19.5	72	..	0.2	..	2.8	0	0	15	01	4	4	1	1	0	2	2	16	0
	2330	128	1010.6	995.9	..	20.8	18.7	17.5	20.0	81	..	0.3	..	1.7	0	0	13	01	1	4	0	1	2	2	2	18	0
FAIZABAD	0830	102	1012.0	1000.4	+1.1	25.5	21.4	19.0	22.0	68	- 8	0.5	-1.7	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	102	1008.8	997.4	+0.9	27.6	23.0	20.5	24.1	65	- 8	0.1	-2.1	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GORAKHPUR	0830	77	1011.1	1002.7	+0.4	26.1	21.3	18.6	21.4	64	-10	0.5	-1.4	1.9	0	0	28	02	1	9	0	3	1	10	2	3	0
	1730	77	1008.3	999.7	+0.6	30.6	21.9	16.7	19.0	44	-17	0.8	-1.1	2.1	0	0	22	02	0	2	0	2	0	8	8	9	0
GORKHPUR P.R.O.	0230	78	1009.5	1000.5	..	23.5	21.6	19.6	22.8	79	..	0.4	..	0.6	0	0	8	00	4	1	0	2	0	1	0	23	0
	0530	78	1010.1	1001.1	..	22.3	20.2	19.1	22.1	83	..	0.6	..	1.3	0	0	10	02	3	0	1	0	1	0	3	21	0
	1130	78	1011.0	1002.2	..	29.6	22.0	18.4	21.1	52	..	1.9	..	5.1	0	0	28	03	0	3	5	5	5	3	4	3	0
	1430	78	1008.6	999.7	..	30.6	21.4	16.8	19.1	44	..	2.5	..	5.2	0	0	29	02	1	1	4	5	4	5	7	2	0
	2030	78	1010.2	1001.3	..	26.6	21.5	19.3	22.4	66	..	1.1	..	1.5	0	0	13	04	1	1	1	0	0	2	4	18	0
	2330	78	1010.5	1001.6	..	24.6	21.2	19.3	22.4	72	..	0.9	..	1.7	0	0	15	02	5	1	3	0	1	0	3	16	0
KANPUR	0830	126	1011.6	997.3	+0.3	25.0	20.2	17.3	19.7	63	- 6	0.5	-0.7	2.9	0	0	16	01	0	1	0	0	0	14	0	15	0
	1730	126	1007.8	993.5	-0.5	30.5	21.5	15.8	17.9	42	-10	0.3	-1.1	4.2	0	0	23	03	2	4	0	0	0	13	1	8	0
KANPUR (AERODROME)	0530	126	1010.5	995.9	..	19.8	18.2	17.0	19.4	83	..	0.7	..	3.0	0	0	13	02	1	2	1	2	0	3	1	18	1
	0830	126	1012.1	997.7	..	25.2	20.3	17.2	19.6	61	..	0.8	..	6.8	0	0	25	03	1	2	4	3	2	9	1	6	0
	1130	126	1011.5	997.4	..	31.4	21.3	14.6	16.6	37	..	0.7	..	8.6	0	0	29	05	0	4	3	3	3	6	3	2	2
	1730	126	1009.6	994.5	..	30.2	20.8	14.7	16.7	39	..	0.7	..	7.3	0	0	28	06	4	5	1	1	0	4	7	3	0
	2330	126	1010.8	996.4	..	22.5	19.1	16.9	19.3	71	..	0.2	..	2.6	0	0	11	02	3	1	1	0	0	2	2	20	0
SULTANPUR	0830	97	1012.3	1001.3	+1.1	25.6	20.2	16.7	19.0	59	-13	0.4	-1.7	0.7	0	0	11	00	0	3	0	4	0	4	0	20	0
	1730	97	1008.2	997.4	+0.5	31.2	25.0	18.5	21.3	47	-15	0.6	-1.7	0.8	0	0	10	00	1	1	0	0	1	6	1	21	0
AZAMGARH	0830	78	1011.6	1002.7	+1.3	25.4	21.5	19.3	22.4	69	- 6	0.4	-1.2	2.5	0	0	20	03	0	2	3	2	3	6	1	11	0
	1730	78	1008.6	999.8	+1.6	29.4	23.6	20.5	24.1	60	- 9	0.6	-0.6	0.3	0	0	2	01	0	0	0	0	0	1	0	29	0
FATEHPUR	0830	114	1012.1	999.2	+0.9	24.5	20.6	18.2	20.9	69	+ 0	0.7	-0.8	2.3	0	0	17	00	2	2	5	1	5	2	0	14	0
	1730	114	1008.6	995.9	+0.9	30.4	23.5	19.8	23.1	53	- 3	0.4	-1.2	1.4	0	0	9	01	3	1	0	0	0	0	4	22	0
BALLIA	0830	64	1012.5	1005.2	+1.5	25.1	22.0	20.2	23.7	74	- 3	1.2	-1.5	0.7	0	0	11	00	2	3	4	0	0	2	0	20	0
	1730	64	1008.5	1001.6	+0.9	29.9	23.5	20.1	23.5	59	- 9	1.1	-2.0	0.1	0	0	2	00	0	1	0	0	0	1	0	29	0
BANDA	0830	121	1011.2	997.4	+0.1	25.6	20.4	17.1	19.5	60	- 9	0.1	-1.3	0.1	0	0	2	00	1	0	1	0	0	0	0	29	0
	1730	121	1007.5	993.9	-0.1	29.8	24.7	22.2	26.8	65	+ 6	0.7	-0.9	0.0	0	0	1	00	1	0	0	0	0	0	0	30	0
ALLAHABAD (BAMHRAULI)	0230	98	1010.1	998.8	..	21.3	19.0	17.0	20.1	80	..	0.1	..	0.5	0	0	3	00	0	1	0	0	1	0	1	28	0
	0530	98	1010.4	999.1	..	20.2	18.5	17.4	19.9	84	..	0.6	..	0.8	0	0	10	01	2	3	0	1	2	1	0	21	0
	0830	98	1012.3	1001.2	+1.0	25.2	20.9	18.4	21.1	66	- 3	0.7	-1.3	1.3	0	0	13	00	1	2	1	1	2	5	1	18	0
	1130	98	1011.5	1000.6	..	31.6	22.3	16.5	18.8	41	..	1.0	..	2.8	0	0	26	03	4	1	3	1	3	8	3	5	0
	1430	98	1009.0	998.1	..	33.5	22.2	15.4	17.5	36	..	1.5	..	4.2	0	0	29	06	2	1	0	1	3	5	11	2	0
	1730	98	1008.7	997.8	+0.5	30.1	22.6	18.4	21.1	50	- 2	0.8	-1.4	0.5	0	0	6	00	2	1	0	0	0	0	3	25	0
	2030	98	1010.2	999.0	..	24.9	20.7	18.0	20.6	66	..	0.2	..	0.5	0	0	6	00	4	1	0	0	0	1	0	25	0
	2330	98	1010.9	999.6	..	22.5	19.4	17.4	19.9	73	..	0.0	..	0.3	0	0	5	00	2	2	0	0	1	0	0	26	0
VARANASI (BABATPUR)	0530	85	1010.6	1000.6	..	20.0	18.5	17.4	19.9	86	..	0.7	..	3.3	0	0	14	00	1	2	1	2	5	2	1	17	0
	0830	85	1012.4	1002.7	+1.0	25.9	21.0	18.0	20.6	63	- 8	0.7	-1.3	8.3	0	1	27	01	2	2	1	3	9	8	0	3	2
	1130	85	1011.5	1002.0	..	31.1	21.6	15.6	17.7	41	..	1.0	..	10.6	0	0	31	05	2	4	0	2	2	7	5	0	4
	1730	85	1008.8	999.1	+0.8	29.5	21.3	16.1	18.3	45	-13	0.8	-1.6	6.4	0	0	25	02	3	1	1	0	0	7	6	6	5
	2330	85	1010.8	1000.9	..	22.2	19.6	18.1	20.8	78	..	0.4	..	2.4	0	0	12	00	1	2	1	0	3	4	0	19	1
VARANASI	0830	76	1011.0	1002.4	-0.2	26.5	21.1	17.9	20.5	61	-12	0.4	-1.5	1.3	0	0	18	00	2	2	0	0	0	12	2	13	0
	1730	76	1007.8	998.9	-0.4	31.3	22.1	15.8	17.9	40	-15	1.2	-1.5	1.6	0	0	20	00	4	1	1	0	0	13	1	11	0
UTTAR PRADESH WEST																											
MUKHIM	0830		..	..	..	14.6	10.0	5.8	9.2	56	-13	0.7	..	0.5	0	0	3	00	0	0	0	0	0	0	3	28	0
	1730		..	..	..	15.8	10.6	6.2	9.5	52	-15	1.8	..	2.7	0	0	14	00	0	0	0	0	0	0	14	17	0
TEHRI	0830		..	..	..	16.7	14.2	12.3	14.3	75	- 4	1.0	-1.3	2.3	0	0	16	00	8	7	1	0	0	0	0	15	0
	1130		..	..	..	24.2	16.4	10.0	12.3	43	..	1.6	..	2.5	0	0	16	03	4	4	3	1	0	0	1	15	0
	1730		..	..	..	25.0	17.0	11.1	13.2	43	- 8	2.0	-0.3	4.5	0	0	22	01	2	3	5	6	4	0	1	9	0
DEHRA DUN	0530	682	1012.6	934.6	..	16.2	14.0	12.3	14.3	79	..	1.0	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	0830	682	1012.7	936.4	+0.7	20.9	16.4	13.2	15.2	62	- 6	0.9	-0.5	0.1	0	0	1	01	0	0	0	0	0	0	0	30	0
	1130	682	1011.6	936.6	..	25.6	18.4	13.9	15.9	49	..	1.2	..	0.8	0	0	9	01	0	0	1	2	2	0	2	22	1
	1730	682	1008.7	934.0	+0.6	25.6	19.4	15.9	18.1	56	- 5	1.4	+0.1	0.2	0	0	2	01	0	0	0	0	0	0	1	29	0
	2330	682	1012.2	935.5	..	18.6	14.8	12.8	14.8	70	..	0.8	..	0.5	0	0	2	01	0	0	0	0	1	0	0	28	0
MANSIARI	0830		..	..	..	13.5	8.1	2.5	7.3	47	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	12.8	9.0	5.5	9.0	61	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ROORKEE	0830	274	1012.7	981.6	+1.2	22.9	17.9	14.5	16.5	60	-13	0.6	-0.9	0.2	0	0	4	00	0	0	4	0	0	0	0	27	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of mean standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST(CONTD.)																											
GAJIABAD	1730	274	1009.0	978.4	+1.1	27.9	20.3	15.7	17.8	47	- 4	0.9	-0.5	6.4	0	0	6	00	0	0	4	0	0	0	2	22	0
	0830	270	1012.6	981.2	+0.6	21.1	17.6	15.6	17.7	71	- 5	0.4	-0.7	3.4	0	0	23	03	6	9	2	0	0	0	0	0	0
	1730	270	1009.4	979.2	+0.7	29.1	21.0	16.1	18.3	46	-13	0.2	-0.6	2.4	0	0	19	02	1	4	1	1	2	5	2	12	0
MEERUT	0830	222	1011.3	966.1	+0.2	23.1	18.7	15.7	17.9	64	- 5	0.1	-0.9	1.0	0	0	2	00	0	4	1	0	1	1	1	23	0
BAREILLY	0830	173	1012.1	992.4	+1.0	23.9	20.6	18.7	21.6	73	+ 2	0.7	-0.5	4.1	0	0	23	02	2	6	2	1	0	0	6	3	0
	1730	173	1008.3	988.9	+0.6	28.0	22.7	19.2	22.2	57	+ 5	0.6	-0.6	2.3	0	0	21	01	1	5	0	0	0	11	2	10	0
BAREILLY P.B.O.	0230	172	1009.9	990.1	..	21.9	18.7	16.9	19.2	72	..	1.0	..	3.7	0	0	19	01	2	7	1	0	0	0	3	12	0
	0530	172	1010.5	990.6	..	21.0	18.3	16.8	18.1	77	..	1.1	..	3.5	0	0	22	01	7	0	0	0	0	1	5	0	0
	1130	172	1011.7	992.3	..	26.1	20.4	16.5	18.8	50	..	1.0	..	6.2	0	0	29	01	2	7	2	0	2	7	0	2	0
	1430	172	1008.7	989.6	..	30.4	20.3	14.7	16.7	39	..	1.3	..	6.4	0	0	30	01	3	4	2	1	2	10	6	1	0
	2030	172	1010.2	990.6	..	25.3	19.8	17.0	19.4	60	..	0.7	..	3.8	0	1	16	01	1	4	1	0	1	5	4	14	0
	2330	172	1010.6	990.9	..	23.3	19.1	16.8	19.1	67	..	0.7	..	3.8	0	0	19	00	0	7	2	0	0	0	5	12	
ALIGARH	0830	187	1012.9	992.0	+2.1	23.8	19.0	15.8	17.9	62	- 1	1.3	+0.5	2.3	0	0	24	05	0	5	1	1	2	0	2	7	
	1730	187	1009.3	987.9	+1.6	29.7	21.0	15.4	17.5	42	+ 0	0.9	-0.1	1.8	0	0	19	02	0	1	0	1	0	15	2	12	0
ALIGHPURI	0830	157	1012.0	994.8	+1.5	24.7	19.8	16.9	19.2	63	- 4	0.4	-0.7	1.5	0	0	15	00	0	3	0	0	0	12	0	16	0
	1730	157	1008.1	990.5	+0.4	29.6	22.1	17.7	20.2	49	- 1	0.7	-0.5	1.3	0	0	13	00	0	2	1	0	0	10	2	1	0
AGRA	0830	169	1012.3	993.1	+0.8	24.5	19.5	16.2	18.4	61	+ 2	0.3	-0.5	1.5	0	0	15	00	0	0	2	0	2	0	11	1	0
	1730	169	1008.7	989.9	+0.6	30.3	22.2	17.6	20.2	47	+ 7	0.9	+0.0	2.5	0	0	15	00	0	0	2	1	0	0	12	16	0
AGRA AERODROME	0230	169	1010.4	991.0	..	20.6	18.5	17.0	19.4	81	..	0.4	..	2.1	0	0	8	01	1	1	1	1	1	1	1	2	0
	0530	169	1010.9	991.3	..	18.6	16.9	15.8	17.9	86	..	0.3	..	2.1	0	0	8	02	0	1	1	1	0	2	1	2	0
	0830	169	1012.5	993.2	..	23.6	19.5	17.0	19.4	67	..	0.7	..	4.6	0	0	17	01	2	1	1	1	2	4	5	14	0
	1130	169	1011.6	993.0	..	31.0	20.9	14.3	16.3	37	..	0.3	..	7.9	0	2	21	05	2	1	1	2	0	2	4	0	0
	1730	169	1008.8	990.0	..	30.1	20.9	15.7	17.8	43	..	0.6	..	8.4	0	1	24	08	3	3	1	0	0	2	0	0	0
	2330	169	1010.9	991.5	..	22.2	18.5	16.1	18.3	72	..	0.5	..	3.8	0	0	12	02	1	0	2	3	2	1	1	19	0
IRAI	0830	141	1012.9	997.0	+1.5	28.8	22.7	19.5	22.4	56	- 6	0.5	-1.0	2.3	0	0	31	06	0	0	1	1	0	1	11	0	0
	1730	141	1007.4	991.5	-0.5	32.3	23.4	19.6	21.4	44	- 6	0.2	-1.3	2.5	0	0	29	08	0	0	1	1	0	0	10	2	0
JHANSI	0830	251	1012.5	984.2	+1.0	24.9	18.8	14.9	16.9	53	- 7	0.0	-0.5	2.0	0	0	13	00	0	3	0	0	0	10	0	18	0
	1730	251	1008.0	980.3	+0.1	33.4	20.6	11.3	15.4	27	-13	0.2	-1.4	1.0	0	0	15	01	0	6	0	1	0	7	0	16	0
HARYANA(INCLUDING DELHI AND CHANDIGARH)																											
CHANDIGARH	0830	347	1011.4	971.6	+0.1	22.9	16.8	12.2	14.2	52	-10	0.5	-0.1	0.9	0	0	8	00	3	0	6	0	0	0	1	23	0
	1730	347	1007.9	969.4	+0.2	28.5	19.7	13.7	15.7	41	- 2	1.0	+0.3	0.5	0	0	5	00	2	0	2	0	3	0	1	23	0
AMBALA	0830	272	1012.6	981.5	+1.4	21.1	17.5	14.9	16.9	76	+ 8	0.6	-0.3	2.0	0	0	21	00	0	0	7	0	0	0	6	10	0
	1730	272	1008.3	977.0	-0.2	29.0	19.9	14.6	16.6	41	+ 0	0.2	-0.5	2.0	0	2	21	00	5	0	7	0	2	0	7	10	0
AMBALA P.B.O.	0230	278	1010.1	978.3	..	21.4	17.4	15.2	17.3	68	..	1.0	..	3.6	0	0	19	01	0	1	3	0	0	1	0	16	0
	0530	278	1010.4	978.4	..	19.5	16.4	14.5	16.5	73	..	0.8	..	3.0	0	0	12	01	1	2	0	0	0	0	7	15	0
	1130	278	1011.7	980.5	..	27.5	20.0	16.1	18.3	50	..	1.1	..	3.8	0	1	16	00	0	1	0	1	1	1	4	16	0
	1430	278	1008.8	978.2	..	29.5	20.0	15.8	20.6	41	..	1.3	..	5.8	0	0	23	01	1	0	0	0	2	6	0	0	0
	2030	278	1010.2	978.8	..	25.2	19.0	15.6	17.7	56	..	0.3	..	4.0	0	0	18	01	0	0	1	0	2	2	10	13	0
	2330	278	1010.8	979.1	..	22.7	18.1	15.6	17.7	65	..	1.0	..	5.0	0	0	20	02	1	1	2	0	1	0	13	11	
AMBALA AERODROME	0530	274	1010.9	978.9	..	15.6	14.7	13.9	15.9	90	..	0.7	..	3.8	0	2	7	01	3	1	1	1	0	1	1	22	0
	0830	274	1012.2	980.7	..	20.8	18.0	16.1	18.3	75	..	1.1	..	6.2	0	2	14	00	2	7	3	0	1	0	3	15	0
	1130	274	1011.5	980.8	..	28.4	21.5	17.5	20.0	51	..	1.1	..	9.8	0	5	24	00	2	4	9	1	2	6	6	4	1
	1730	274	1008.5	977.8	..	26.8	21.1	17.6	20.1	58	..	1.4	..	7.4	0	1	22	00	1	5	2	1	0	5	11	9	0
	2330	274	1011.0	979.4	..	19.0	16.9	15.5	17.6	81	..	0.9	..	3.6	0	1	8	01	3	1	0	0	0	2	2	22	0
KARNAL	0830	249	1011.9	983.6	+1.3	23.9	19.1	15.8	17.9	62	-11	0.5	-0.6	3.1	0	0	29	02	3	11	2	0	0	5	6	2	0
	1730	249	1008.6	980.5	+0.7	29.0	19.8	13.2	15.2	40	- 6	0.2	-0.9	2.8	0	0	28	00	1	4	2	0	0	9	12	3	0
HISSAR	0530	221	1010.8	985.2	..	18.3	16.7	15.7	17.8	85	..	0.3	..	3.7	0	1	16	00	2	1	2	2	5	4	1	14	0
	0830	221	1012.2	987.4	+1.1	21.5	18.7	16.9	19.3	75	+14	0.6	+0.1	2.7	0	0	22	00	1	2	5	2	9	3	0	9	0
	1130	221	1011.7	987.1	..	29.9	23.3	19.7	22.9	55	..	0.3	..	5.8	0	0	22	01	3	3	2	1	2	6	4	9	0
	1430	221	1009.3	984.6	..	32.1	24.1	19.9	23.2	50	..	0.7	..	5.9	0	0	25	07	0	1	4	0	2	6	6	5	0
	1730	221	1008.9	984.4	+0.8	30.7	23.9	20.1	23.5	53	+14	1.2	+0.6	2.0	0	0	25	07	1	2	3	0	3	6	3	6	0
	2330	221	1011.2	985.8	..	21.4	18.5	16.7	19.0	74	..	0.5	..	4.0	0	0	22	00	2	4	1	2	1	1	5	9	0
NEW DELHI/SAFDARJUNG	0230	216	1010.3	985.5	..	21.0	17.6	15.7	17.8	72	..	0.6	..	3.3	0	1	10	01	0	2	2	0	0	2	4	21	0
	0530	216	1010.7	985.7	..	19.6	16.8	14.9	16.9	75	..	0.5	..	3.2	0	0	15	00	1	1	2	0	3	1	2	16	0
	0830	216	1012.4	987.7	+1.1	22.6	18.3	15.4	17.5	64	+10	0.8	-0.1	7.4	0	1	24	01	0	3	3	0	5	10	3	6	0
	1130	216	1011.5	987.3	..	29.5	20.5	14.5	16.5	41	..	0.7	..	10.2	0	3	23	00	2	2	4	0	1	12	5	5	0
	1430	216	1009.0	985.1	..	31.6	20.3	12.3	14.3	32	..	0.8	..	11.2	0	4	25	02	1	1	1	1	2	6	15	2	0
	1730	216	1008.5	984.5	+0.9	30.0	20.6	14.4	16.4	40	+ 5	1.1	+0.1	5.0	0	2	19	00	1	2	1	0	0	1	16	10	0
	2030	216	1010.4	985.8	..	24.5	19.2	15.7	17.8	59	..	0.7	..	3.8	0	1	12	00	0	3	1	0	1	3	5	18	0
	2330	216	1011.0	986.2	..	22.3	18.4	15.7	17.8	67	..	0.7	..	4.6	0	1	13	01	0	3	2	0	0	4	4	17	0
PALAM AERODROME																											

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HARYANA (INCLUDING DELHI AND CHANDIGARH) (CONTD.)																												
PALAM AERODROME	0230	233	1010.7	983.9	..	19.9	16.8	14.5	16.5	72	..	0.6	..	6.2	0	0	18	03	0	2	4	2	5	2	0	13	0
	0530	233	1011.0	984.0	..	18.1	15.9	14.3	16.3	78	..	0.7	..	6.5	0	2	17	00	0	3	4	2	7	3	0	12	0
	0830	233	1012.7	986.0	..	22.2	18.2	15.5	17.6	67	..	0.7	..	8.4	0	2	15	02	0	0	3	2	3	9	3	10	0
	1130	233	1012.0	986.0	..	29.4	20.0	13.5	15.5	39	..	0.5	..	12.2	0	5	23	05	1	1	3	2	2	6	9	4	0
	1430	233	1009.3	983.5	..	31.7	20.2	11.9	13.9	31	..	1.0	..	15.7	0	6	25	14	3	2	2	0	0	4	6	9	0
	1730	233	1008.8	982.9	..	29.7	20.0	13.3	15.3	37	..	1.0	..	10.2	0	2	27	11	3	5	1	1	0	1	[illegible]	2	0
	2030	233	1010.6	984.2	..	23.9	18.3	14.3	16.3	56	..	0.4	..	5.5	0	2	14	03	1	4	3	0	1	2	2	15	0
	2330	233	1011.4	984.7	..	21.5	17.5	14.9	15.9	66	..	0.7	..	9.5	1	2	15	02	1	3	6	0	2	3	1	13	0
PUNJAB																												
PATHANKOT	0530	312	1011.0	974.9	..	16.8	13.7	11.9	13.9	73	..	1.5	..	7.4	0	2	18	01	10	2	0	4	0	2	1	11	0
	0830	312	1012.7	976.9	+1.4	21.3	16.3	12.4	14.4	59	- 1	1.7	+0.5	0.7	0	2	20	02	5	[illegible]	1	2	1	1	2	5	0
	1130	312	1013.7	977.8	..	28.0	19.6	13.6	15.6	42	..	1.9	..	7.4	0	2	26	01	5	8	4	6	1	1	2	3	0
	1730	312	1009.1	974.4	+0.6	28.1	20.0	14.6	16.6	41	-11	2.3	+0.8	5.5	0	2	19	02	4	1	0	3	0	6	4	11	0
	2330	312	1012.3	976.1	..	18.5	16.1	13.6	15.6	75	..	1.5	..	6.7	0	4	8	02	4	1	0	1	2	2	0	15	0
AMRITSAR	0530	234	1011.3	984.1	..	17.4	15.5	14.2	16.2	82	..	1.2	..	9.8	0	3	21	03	6	3	1	0	2	3	6	7	[illegible]
	0830	234	1012.7	985.8	+1.5	20.7	17.4	15.1	17.1	71	- 3	1.3	+0.4	7.7	0	1	24	04	3	5	2	1	1	5	4	[illegible]	[illegible]
	1130	234	1012.5	986.2	..	27.7	19.3	13.6	15.5	43	..	1.0	..	9.0	0	3	20	03	4	4	[illegible]	0	1	4	5	[illegible]	0
	1430	234	1010.0	984.0	..	30.3	19.2	11.0	13.1	31	..	1.3	..	12.0	0	7	17	01	0	2	1	0	3	5	12	7	0
	1730	234	1009.5	983.3	+1.5	28.3	19.5	13.6	15.5	41	- 4	1.3	+0.6	10.4	0	2	23	02	0	1	0	0	1	4	17	6	0
	2030	234	1011.2	984.5	..	22.3	18.3	15.6	17.7	67	..	1.3	..	9.0	0	1	26	04	2	3	0	0	0	10	9	4	0
ADAMPUR AERODROME	0830	249	1012.6	984.1	..	20.9	17.4	15.0	17.0	69	..	1.4	..	3.8	0	1	16	03	1	3	4	1	2	1	1	14	1
	1730	249	1009.8	981.8	..	27.4	19.7	14.5	16.5	47	..	1.5	..	8.0	0	0	28	03	1	0	2	1	0	3	18	3	0
LUDHIANA	0830	247	1012.6	984.3	+1.0	21.2	17.2	14.5	16.5	66	+ 2	1.0	+0.2	1.8	0	0	18	00	2	0	7	1	1	0	7	13	0
	1730	247	1009.1	981.4	+0.6	29.3	20.4	14.7	16.7	42	+ 3	1.0	+0.3	2.1	0	0	17	01	3	0	2	1	0	0	10	14	0
FEROZEPUR	0830	200	1013.3	991.1	+3.4	21.6	17.8	15.3	17.4	68	- 2	0.7	-0.1	2.5	0	1	19	07	4	1	2	3	0	0	3	11	0
	1730	200	1010.1	987.7	+2.4	30.0	20.6	14.7	16.7	40	- 6	0.5	-0.2	2.1	0	0	21	11	4	0	0	0	0	1	5	10	0
HALWARA AERODROME	0530	242	1011.5	983.2	..	14.9	13.9	13.0	15.0	90	..	1.0	..	3.8	0	1	11	02	1	1	2	1	0	0	5	19	0
	0830	242	1012.5	984.6	..	20.9	17.8	15.7	17.8	73	..	1.5	..	4.1	0	0	13	01	0	2	5	1	0	1	3	19	6
	1130	242	1012.0	984.4	..	29.3	19.8	13.2	15.2	38	..	1.1	..	11.8	0	3	22	07	2	3	5	1	0	1	6	6	0
	1730	242	1009.3	982.3	..	28.7	20.1	14.8	16.9	46	..	1.4	..	8.2	0	0	26	08	1	1	3	1	0	0	12	5	0
	2330	242	1011.9	984.0	..	17.6	15.5	13.9	15.9	80	..	1.2	..	6.2	0	2	15	05	1	2	2	1	1	0	5	14	0
PATIALA	0830	251	1012.8	984.0	+1.6	20.4	17.2	14.8	16.8	71	+ 5	0.9	-0.3	4.3	0	0	14	01	0	0	2	5	0	0	6	17	0
	1730	251	1008.8	980.9	+1.1	28.8	19.8	13.8	15.8	40	- 7	1.0	-0.3	1.3	0	0	4	01	0	0	2	0	0	[illegible]	1	23	0
BHATINDA	0830	211	1011.9	987.9	..	24.8	20.6	18.1	20.8	66	+ 7	0.4	+0.1	2.5	0	1	15	00	2	0	7	0	0	0	7	15	[illegible]
	1730	211	1008.4	984.9	..	30.5	24.0	20.5	24.1	56	+ 9	0.4	+0.0	1.5	0	0	17	00	0	0	3	0	0	0	16	14	0
HIMACHAL PRADESH																												
MANDI	0830	761	1015.2	928.9	+1.4	14.5	12.8	11.4	13.5	82	- 7	1.0	-0.9	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	761	1008.6	925.7	+1.2	23.6	18.0	14.3	16.3	57	- 7	1.5	-0.7	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
BILASPUR	0830	587	1013.7	946.9	-0.2	16.6	14.7	13.4	15.4	82	- 3	1.3	-1.8	2.1	0	0	23	00	13	9	0	0	0	1	0		0
	1730	587	1009.1	944.7	+0.9	26.6	19.8	15.6	17.7	53	+ 2	1.1	-1.0	4.4	0	1	25	00	4	3	4	5	4	1	[illegible]	[illegible]	0
JAMMU AND KASHMIR																												
MISGAR	0830		(R)																									
	1730		(R)																									
GILGIT	0830		(R)																									
	1730		(R)																									
SKARDU	0830		(R)																									
	1730		(R)																									
LEH	0530	3514	(R)																									
	0830	3514	(R)																									
	1730	3514	(R)																									
SRINAGAR	0230	1587	1532.7	844.6	+8.8	7.3	6.4	5.5	9.0	88	+60	2.3	-0.2	1.1	0	0	10	00	0	0	3	0	1	0	6	18	0
	0530	1587	1531.4	844.5	..	6.3	5.6	4.9	8.7	91	..	2.9	..	1.7	0	0	14	00	0	0	5	1	0	0	8	16	0
	0830	1587	1542.4	845.6	+0.9	7.9	6.8	5.8	9.2	87	+ 5	3.4	+1.4	2.0	0	0	17	00	0	2	9	0	1	0	5	11	0
	1130	1587	1540.9	845.6	..	14.9	10.3	6.3	9.5	58	..	3.4	..	2.4	0	0	20	01	3	0	4	0	1	1	10	[illegible]	0
	1430	1587	1515.7	843.1	..	17.1	11.3	6.3	9.5	50	..	3.6	..	3.1	0	0	22	00	1	0	0	0	1	1	20	5	0
	1730	1587	1516.4	843.1	+1.6	14.9	10.5	6.8	9.9	60	+ 9	3.9	+1.3	2.4	0	0	19	01	2	0	3	0	2	3	8	7	0
	2030	1587	1533.1	844.6	..	10.9	8.9	7.1	10.1	78	..	3.5	..	2.7	0	0	18	00	2	0	3	1	2	1	9	10	0
	2330	1587	1535.1	845.1	..	9.1	7.6	6.2	9.5	83	..	2.6	..	1.5	0	0	15	00	1	0	[illegible]	0	0	1	7	13	0
SRINAGAR AERODROME	0530	1666	1530.4	836.5	..	6.1	5.2	3.5	7.9	82	..	3.0	..	2.0	0	0	8	02	3	2	0	1	0	0	0	23	0
	0830	1666	1539.9	837.6	..	9.8	7.4	4.7	8.5	72	..	3.4	..	1.6	0	0	6	01	0	0	0	0	1	1	3	25	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD.)																											
SRINAGAR AERODROME	1130	1666	1541.3	837.8	..	14.3	10.5	5.6	9.1	69	..	3.3	..	5.6	0	1	17	03	1	1	0	2	0	2	9	13	0
	1730	1666	1516.2	835.5	..	15.5	9.9	5.1	8.8	53	..	4.3	..	7.0	0	1	18	03	1	1	1	1	0	3	9	12	0
	2330	1666	1535.3	837.0	..	9.2	7.1	5.0	8.7	75	..	2.9	..	3.1	0	0	11	01	2	1	0	0	0	2	5	20	0
GULMARG	0830	2655	(R)																								
	1730	2655	(R)																								
DAZIGIND	0830		..	..	..	9.2	6.8	4.6	8.5	75	..	3.0	..	0.4	0	0	5	00	0	3	0	0	0	1	1	26	0
	1730		..	..	..	18.2	10.1	5.6	9.1	55	..	4.2	..	2.4	0	0	11	00	0	3	1	4	1	2	0	20	0
BANIHAL	0830		..	..	..	10.5	7.5	3.5	7.9	68	..	1.4	..	2.7	0	0	9	06	0	0	0	3	0	0	0	22	0
	1730		..	..	..	16.0	10.4	5.6	9.1	48	..	3.1	..	3.5	0	0	19	07	0	0	0	12	0	0	0	12	0
JAMMU	0830	366	1011.7	969.2	..	19.4	14.9	11.3	13.4	60	+ 3	1.2	+0.1	6.2	0	0	31	01	29	1	0	0	0	0	0	0	0
	1730	366	1008.1	967.6	..	29.1	20.5	15.2	17.3	44	..	1.3	..	2.9	0	0	14	00	9	0	0	0	0	0	5	17	0
JAMMU AERODROME	0530	292	1011.5	977.9	..	18.5	14.5	11.3	13.4	65	..	1.3	..	10.2	0	4	20	00	19	5	0	0	0	0	0	7	0
	0830	292	1012.8	979.1	..	20.7	15.6	11.3	13.4	55	..	1.9	..	9.2	0	1	25	02	20	3	0	0	0	0	1	5	0
	1130	292	1012.3	979.4	..	28.1	18.7	11.6	13.6	36	..	1.8	..	6.1	0	0	22	02	5	1	1	3	3	4	2	9	1
	1730	292	1009.6	976.8	..	27.7	19.0	13.3	15.3	42	..	2.5	..	2.2	0	0	8	02	2	0	0	0	0	1	3	23	0
	2330	292	1011.9	978.2	..	19.9	15.8	12.4	14.4	63	..	1.5	..	9.4	0	0	22	00	16	4	0	0	1	0	1	9	0
RAJASTHAN, WEST																											
GANGANAGAR	0530	177	1010.7	990.1	..	18.7	15.8	13.5	15.5	73	..	0.5	..	0.9	0	0	6	01	3	0	2	0	0	0	0	25	0
	0830	177	1012.2	991.7	+1.0	20.5	16.8	14.5	16.5	68	+11	0.6	+0.2	0.8	0	0	8	02	3	2	1	0	0	0	0	23	0
	1130	177	1011.8	992.0	..	30.3	21.5	16.4	18.6	46	..	0.8	..	2.0	0	0	20	01	4	0	9	1	3	0	2	11	0
	1730	177	1008.7	989.0	+2.0	31.4	23.7	19.3	22.4	53	+23	0.7	+0.3	0.7	0	0	7	00	4	0	0	0	0	2	1	24	0
	2330	177	1011.1	990.7	..	21.7	17.6	14.8	16.8	66	..	0.1	..	0.4	0	0	3	00	2	0	1	0	0	0	0	28	0
ANUPGARH	0830	154	(R)																								
	1730	154	(R)																								
MAHAJAN	0830	187	1010.1	988.7	..	23.1	19.0	16.3	18.5	67	..	0.0	..	4.6	0	0	29	05	5	3	3	2	11	0	0	1	0
	1730	187	1007.0	986.0	..	32.8	22.2	16.0	18.1	41	..	0.2	..	6.8	0	1	29	07	5	0	0	2	12	3	1	0	0
CHURU	0830	291	1012.8	979.5	+1.1	21.7	17.5	15.0	17.0	67	+ 2	0.1	-1.1	5.6	0	2	18	01	1	1	1	8	4	4	0	11	0
	1730	291	1008.6	976.5	+0.9	31.4	22.1	16.3	18.5	42	+ 3	0.8	-0.8	7.9	0	0	29	08	0	4	1	1	1	9	5	2	0
BIKANER	0830	224	1012.1	986.5	+0.9	23.5	18.2	14.5	16.5	58	+ 8	0.4	+0.1	3.4	0	0	20	02	0	2	2	6	5	1	2	11	0
	1730	224	1008.2	983.5	+0.8	32.7	21.3	13.8	15.8	34	+ 7	1.0	+0.5	3.4	0	0	26	06	5	1	0	1	5	2	6	5	0
BIKANER P.B.O.	0530	224	1010.7	984.9	..	19.6	15.8	12.1	14.1	65	..	0.2	..	1.5	0	0	9	01	0	0	1	2	4	1	0	22	0
	1130	224	1011.5	986.6	..	31.7	20.1	10.7	12.9	32	..	0.2	..	5.4	0	0	29	03	3	2	3	4	6	5	3	2	0
	1430	224	1008.8	984.1	..	34.5	19.9	8.0	10.7	24	..	0.7	..	4.5	0	0	27	03	3	1	2	1	6	7	4	4	0
	2030	224	1010.2	985.0	..	27.4	18.7	11.1	13.2	42	..	0.4	..	1.4	0	0	11	02	3	0	1	1	2	0	2	20	0
	2330	224	1010.7	985.3	..	23.5	16.9	11.5	13.6	51	..	0.2	..	2.2	0	0	13	03	3	1	0	1	3	0	2	18	0
NAGAUR	0830	298	1012.5	978.9	+1.2	25.9	18.8	13.6	15.6	49	+ 0	0.1	-0.7	5.9	0	0	27	02	2	4	2	8	8	1	0	4	0
	1730	298	1007.7	975.0	+0.6	32.7	21.5	14.4	16.4	34	+ 0	0.7	-0.5	7.4	0	0	30	06	4	1	0	3	7	5	4	1	0
PHALODI	0830	234	1012.7	986.0	+1.2	23.2	17.2	12.3	14.3	54	- 3	0.6	+0.0	9.4	0	0	24	00	1	2	10	4	6	1	0	7	0
	1730	234	1008.8	983.5	+1.1	34.2	20.9	11.1	13.2	27	- 7	0.7	-0.4	11.4	0	3	28	07	2	1	1	4	3	7	6	0	0
JAISALMER	0830	242	1011.5	984.0	+1.0	22.9	18.5	15.5	17.6	65	+ 7	0.4	+0.0	5.3	0	2	14	02	1	1	1	5	5	0	1	15	0
	1730	242	1007.5	981.0	+0.8	34.7	25.9	21.8	26.1	48	+10	0.2	-0.5	11.8	0	4	26	06	3	1	0	5	6	2	7	1	0
JODHPUR	0230	224	1010.5	984.9	..	23.2	16.9	11.7	13.6	50	..	0.3	..	9.5	0	0	30	03	15	1	1	0	5	5	0	1	0
	0530	224	1010.8	985.0	..	20.7	16.1	12.2	14.2	60	..	0.2	..	8.8	0	0	29	01	15	3	0	0	7	3	0	2	0
	0830	224	1012.7	986.9	+0.7	22.7	17.3	13.0	15.0	56	+ 7	0.9	+0.0	9.5	0	1	27	00	14	2	2	2	7	1	0	3	0
	1130	224	1011.9	987.0	..	32.1	21.0	13.4	15.4	35	..	0.2	..	10.5	0	1	30	00	4	2	5	2	11	5	2	0	0
	1430	224	1008.9	984.5	..	35.4	21.1	10.6	12.8	24	..	0.4	..	13.0	0	4	27	02	4	3	1	0	8	7	3	0	3
	1730	224	1008.4	983.8	+0.7	33.9	20.5	10.5	12.7	26	+ 2	0.5	-0.9	9.9	0	2	29	02	4	1	1	2	0	13	6	0	2
	2030	224	1010.4	985.2	..	26.7	18.8	12.7	14.7	43	..	0.4	..	7.6	0	0	28	06	2	1	0	1	13	4	1	3	0
	2330	224	1011.7	985.6	..	24.7	17.5	11.6	13.6	46	..	0.4	..	9.8	0	0	29	07	5	1	0	0	5	8	3	2	0
BARMER	0530	194	1009.3	987.6	..	22.7	18.1	15.2	17.4	64	..	0.0	..	3.0	0	0	17	02	0	0	0	1	5	0	9	14	0
	0830	194	1011.7	989.4	+0.3	24.6	19.7	17.1	19.5	64	+10	0.7	+0.0	2.3	0	0	17	04	0	0	0	0	6	1	6	14	0
	1130	194	1010.9	990.2	..	32.3	26.3	19.2	22.2	48	..	0.2	..	3.3	0	0	23	01	9	0	2	1	9	1	0	8	0
	1730	194	1007.3	986.1	+0.2	34.2	23.9	18.4	21.1	40	+10	0.3	-1.0	3.5	0	0	28	04	7	1	1	3	4	3	5	3	0
	2330	194	1009.6	988.1	..	27.5	21.0	17.2	19.0	55	..	0.1	..	3.2	0	0	15	00	0	0	0	0	5	5	5	16	0
ERINPURA (JAWAI DAM)	0830	295	1011.4	978.1	+0.2	24.9	21.0	18.6	21.4	70	+ 4	0.7	-0.9	2.1	0	0	19	00	0	0	4	4	10	1	0	12	0
	1730	295	1007.1	974.5	-0.3	30.2	22.0	17.7	20.2	49	+ 4	0.7	-1.6	0.8	0	0	11	01	1	0	0	2	6	1	0	20	0
RAJASTHAN, EAST																											
PILANI	0830	301	1013.4	979.0	+1.9	21.8	17.2	13.5	15.5	61	+ 6	0.4	-0.2	7.1	0	2	26	00	1	1	2	7	9	7	1	3	0
	1730	301	1009.1	975.9	+1.0	31.5	19.6	10.5	12.7	29	-12	0.8	+0.1	7.0	0	1	27	08	4	0	1	1	2	5	7	3	0
SIKAR	0830	433	1012.0	963.7	+1.1	23.1	16.5	11.3	13.4	46	-18	0.1	-1.0	0.1	0	0	1	00	0	0	0	0	0	1	0	30	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN, EAST (CONTD.)																											
SIKAR	1730	433	1007.4	960.1	+0.3	31.4	17.8	5.1	8.8	21	-32	0.2	-1.3	0.7	0	0	14	00	0	0	0	0	0	11	3	17	0
ALWAR	0830	271	1011.7	980.8	+0.9	22.7	18.5	15.7	17.8	65	- 8	0.5	-1.5	0.6	0	0	7	01	1	0	1	0	0	3	1	24	0
	1730	271	1007.8	977.7	-0.1	30.0	21.1	15.5	17.6	42	- 8	0.7	-1.4	0.8	0	0	13	01	0	2	0	0	1	1	8	18	0
JAIPUR (SANGANER)	0230	390	1010.4	966.1	..	20.4	15.2	10.7	12.9	55	..	0.5	..	3.0	0	0	19	01	3	8	1	0	0	1	5	12	0
	0530	390	1010.9	966.3	..	19.1	14.8	10.7	12.9	60	..	0.5	..	3.1	0	0	17	03	4	6	0	0	0	0	4	14	0
	0830	390	1011.9	968.1	+0.2	24.7	17.4	11.7	13.7	46	- 5	0.2	-0.7	3.2	0	0	16	01	0	5	2	0	0	0	8	15	0
	1130	390	1010.8	967.9	..	31.1	19.1	9.6	11.9	28	..	0.2	..	6.5	0	0	26	01	0	1	3	1	6	6	8	5	0
	1430	390	1007.9	965.4	..	33.1	18.9	6.6	9.7	20	..	1.1	..	9.2	0	0	30	04	0	0	1	1	4	9	11	1	0
	1730	390	1007.8	965.0	-0.1	31.0	18.5	8.1	10.8	25	- 7	0.7	-0.5	4.0	0	0	25	02	1	1	0	0	1	8	12	6	0
	2030	390	1010.4	966.6	..	24.4	16.6	10.0	12.3	41	..	0.4	..	3.3	0	0	22	12	2	2	1	0	0	0	5	9	0
	2330	390	1011.0	966.8	..	22.2	15.6	10.0	12.3	47	..	0.5	..	4.5	0	0	22	02	7	5	1	0	0	1	6	9	0
DHOLPUR	0830	176	1011.6	991.5	+0.8	23.6	19.1	16.1	18.3	63	-10	0.2	-1.8	0.5	0	0	5	00	0	0	0	0	0	2	3	26	0
	1730	176	1007.3	987.5	-0.3	30.3	21.6	16.5	18.8	44	-15	0.4	-1.5	0.5	0	0	4	00	0	2	0	0	0	1	1	27	0
AJMER	0830	486	1012.6	958.1	+0.6	23.0	17.5	13.9	15.9	58	+ 6	0.3	-0.6	3.8	0	1	12	00	2	0	2	0	3	4	2	18	0
	1730	486	1008.1	955.2	+0.5	31.4	18.3	8.8	11.3	25	- 4	0.4	-0.9	5.7	0	2	26	04	1	0	0	0	2	11	10	3	0
TONK	0830	272	1011.6	979.4	-0.4	23.4	17.6	13.5	15.5	56	-14	0.2	-1.3	5.8	0	0	31	00	2	4	2	1	3	14	5	0	0
	1730	272	1007.1	977.0	+0.4	31.3	20.1	12.0	14.0	31	-19	0.6	-0.9	3.2	0	0	29	04	2	0	0	1	1	12	9	2	0
BHILWARA	0830	425	1012.6	964.7	..	23.3	17.3	12.6	14.6	52	..	0.5	..	3.1	0	0	19	03	4	0	1	1	5	2	3	12	0
	1730	425	1008.0	961.7	..	31.7	19.2	9.5	11.9	26	..	1.5	..	2.9	0	0	18	03	3	0	0	1	5	0	6	13	0
KOTA	0830	257	1012.2	983.1	+0.5	25.3	19.1	14.9	16.9	53	+ 0	0.6	-0.7	2.0	0	0	11	01	1	0	1	0	0	0	4	4	20	0
	1730	257	1008.1	979.5	+0.0	32.6	20.9	13.2	15.2	31	- 3	1.0	-0.8	2.1	0	0	15	03	2	2	0	0	1	3	4	16	0
KOTA AERODROME	0530	274	1010.9	979.6	..	21.2	16.3	12.8	14.8	59	..	0.5	..	4.5	0	0	22	00	1	1	1	0	4	15	0	9	0
	0830	274	1012.5	981.6	..	25.6	18.0	12.3	14.3	44	..	0.7	..	4.0	0	0	21	01	0	4	0	0	4	8	4	10	0
	1130	274	1011.7	981.4	..	32.2	19.8	10.5	12.7	28	..	0.3	..	6.2	0	0	28	05	0	8	2	1	0	11	1	3	0
	1730	274	1008.1	978.1	..	33.0	18.8	6.9	9.9	20	..	1.0	..	7.4	0	0	31	12	3	3	0	0	1	5	7	0	0
	2330	274	1011.1	980.4	..	24.9	17.0	11.3	13.4	43	..	0.5	..	5.4	0	0	26	00	0	3	0	4	5	13	1	5	0
CHAMBAL (RAWAT BHATTA DAM)	0830	354	1011.2	971.6	-0.6	22.7	18.6	16.0	18.2	65	- 8	0.5	-1.4	0.3	0	0	2	00	1	0	0	0	0	0	1	29	0
	1730	354	1006.3	968.2	-0.6	32.3	21.4	14.1	16.1	34	-13	0.7	-1.7	2.3	0	0	26	02	10	0	0	1	5	0	8	5	0
UDAIPUR	0230	582	1012.1	946.3	..	19.1	15.9	13.7	15.7	71	..	0.3	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	0530	582	1012.4	946.4	..	17.6	15.2	13.3	15.3	76	..	0.2	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	0830	582	1013.1	948.1	+1.2	22.6	17.5	14.3	16.3	60	-*2	0.2	-1.2	0.1	0	0	2	00	0	0	0	1	0	0	1	29	0
	1130	582	1011.1	948.0	..	31.2	19.8	12.4	14.4	32	..	0.4	..	3.2	0	0	24	05	1	3	1	1	6	5	2	7	0
	1730	582	1008.3	945.3	+1.0	30.4	19.9	13.3	15.3	36	- 6	1.2	-1.4	3.2	0	0	20	01	1	0	1	2	4	5	6	11	0
	2330	582	1012.5	947.2	..	21.1	16.9	14.0	16.0	64	..	0.8	..	0.0	0	0	0	00	0	0	0	0	0	0	0	0	0
JHALAWAR	0830	321	(R)																								
	1730	321	(R)																								
BANSWARA	0830	220	1012.8	967.5	..	22.5	19.7	18.0	19.7	77	..	3.4	..	5.1	0	0	27	00	0	16	4	4	3	0	0	3	0
	1730	220	1008.8	984.3	..	32.7	23.3	18.2	20.0	43	..	0.2	..	4.7	0	0	27	08	1	1	0	6	3	8	0	3	0
MADHYA PRADESH, WEST																											
GWALIOR	0230	207	1010.4	986.5	..	19.1	16.5	14.5	16.7	76	..	0.4	..	1.2	0	0	9	02	0	1	0	3	1	2	0	22	0
	0530	207	1010.8	986.8	..	18.0	15.7	14.0	16.0	78	..	0.6	..	1.6	0	0	13	01	0	0	1	6	1	3	1	18	0
	0830	207	1012.2	988.7	+0.6	24.9	19.0	15.1	17.1	55	- 3	0.6	-0.8	3.2	0	0	21	02	1	0	1	4	4	5	4	10	0
	1130	207	1011.4	988.4	..	31.0	20.5	13.4	15.6	35	..	0.5	..	5.6	0	0	28	07	2	1	2	3	3	4	6	3	0
	1430	207	1008.7	985.9	..	32.7	20.6	12.2	14.4	29	..	1.2	..	6.8	0	0	30	05	2	2	1	1	2	4	13	1	0
	1730	207	1008.7	985.7	+0.7	29.9	21.1	15.7	17.8	43	- 1	1.2	-0.4	3.5	0	0	26	08	5	0	1	0	0	1	11	5	0
	2030	207	1010.7	987.0	..	22.7	18.6	15.9	18.1	66	..	0.5	..	1.4	0	0	10	02	0	0	0	4	4	0	0	21	0
	2330	207	1011.2	987.3	..	20.2	17.2	15.1	17.1	76	..	0.5	..	1.5	0	0	10	00	1	0	2	4	2	1	0	21	0
SHEOPUR	0830	235	1012.6	985.8	+1.3	22.2	17.8	14.7	16.8	63	- 4	0.8	-1.2	4.5	0	0	27	03	0	2	0	19	0	3	0	4	0
	1730	235	1008.1	982.2	+1.1	32.2	20.6	12.6	14.8	31	-18	0.9	-1.5	5.4	0	0	28	07	8	2	1	0	1	6	3	3	0
SHIVPURI	0830	464	1012.0	960.2	..	25.0	17.9	13.2	15.4	49	..	0.8	..	3.4	0	0	21	03	4	1	0	1	5	6	1	10	0
	1730	464	1008.1	957.2	..	29.6	18.6	11.4	13.4	33	..	0.8	..	4.8	0	0	29	03	7	2	0	0	0	9	8	2	0
NOWGONG	0830	229	1012.7	986.6	+0.7	23.0	19.0	16.2	18.8	67	- 4	0.5	-1.1	1.3	0	0	14	00	0	2	0	4	7	1	0	17	0
	1730	229	1008.8	983.5	+0.9	31.0	21.7	16.1	18.4	44	- 3	1.0	-1.1	0.2	0	0	3	01	1	0	0	0	0	0	1	28	0
GUNA	0530	478	1012.1	957.3	..	17.3	15.0	13.4	15.4	78	..	0.9	..	3.3	0	0	22	00	2	2	14	1	2	0	1	9	0
	0830	478	1012.6	959.1	+0.7	24.4	18.8	15.7	17.6	58	- 7	0.8	-0.8	4.0	0	0	23	02	0	3	6	7	0	4	1	8	0
	1130	478	1011.2	958.9	..	31.3	21.0	15.0	17.4	38	..	0.5	..	8.1	0	1	30	03	5	0	5	1	5	4	8	0	0
	1430	478	1008.3	956.5	..	32.5	20.7	13.0	15.8	32	..	1.4	..	9.2	0	0	30	03	2	1	3	0	1	4	16	1	0
	1730	478	1008.5	956.2	+0.7	30.1	20.6	15.0	17.4	40	- 1	1.0	-1.0	4.7	0	0	28	12	2	0	0	0	4	2	8	3	0
	2330	478	1012.0	957.9	..	20.4	16.8	14.3	16.5	68	..	0.6	..	3.8	0	0	18	01	5	3	7	1	1	0	0	13	0
NIMACH	0830	496	1013.2	957.9	+1.1	25.1	17.7	12.6	14.9	47	- 8	0.4	-1.3	4.4	0	1	18	01	6	1	1	0	5	5	0	12	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - OCTOBER, 1967. (ASVINA 9 - KARTIKA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level			Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
				At station level	Departure from normal																						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH. WEST(CONTD)																											
NIMACH	1730	496	1008.6	954.7	+0.5	31.6	18.9	9.9	12.5	27	- 7	1.2	-1.6	9.5	0	1	29	02	12	4	0	0	5	7	0	1	0
RAJGARH	0830	382	1012.9	969.7	+1.3	22.3	18.1	15.1	17.4	64	- 5	1.2	-0.6	3.7	0	0	24	05	1	2	4	5	1	5	1	7	0
	1730	382	1008.1	966.3	+0.8	31.8	21.1	14.3	16.3	35	-10	1.9	-0.5	6.3	0	0	31	10	6	2	0	0	5	6	2	0	0
SAGAR	0830	551	1011.9	951.0	+1.1	26.0	21.1	18.5	21.4	64	+ 6	0.9	-1.1	5.4	0	0	29	00	5	5	0	0	7	9	3	2	0
	1730	551	1007.8	947.9	+0.9	30.7	23.1	19.1	22.7	52	+ 6	0.7	-2.0	6.5	0	0	31	00	7	8	0	0	4	6	6	0	0
RATLAM	0830	486	1012.7	958.3	+1.5	24.5	20.1	17.7	20.2	67	+ 4	2.0	-0.7	7.1	0	0	26	02	9	5	0	3	2	4	1	5	0
	1730	486	1008.1	955.3	+1.2	32.0	24.0	20.3	24.0	51	+ 8	1.7	-2.0	8.1	0	0	31	03	10	2	0	0	2	6	8	0	0
BHOPAL(BAIRAGARH)	0230	523	1010.8	951.9	..	20.6	15.1	10.8	13.2	54	..	0.8	..	5.6	0	0	22	04	2	3	2	2	4	3	2	9	0
	0530	523	1011.5	952.3	..	19.3	14.6	10.9	13.2	59	..	1.1	..	4.7	0	0	23	04	3	0	5	4	0	3	4	8	0
	0830	523	1012.5	954.3	+0.7	25.0	17.4	12.0	14.3	45	-17	1.5	-0.4	9.4	0	2	25	05	3	3	4	0	4	3	5	4	0
	1130	523	1010.9	953.9	..	30.6	18.9	10.9	13.2	31	..	0.9	..	10.5	0	0	30	06	3	4	3	3	3	3	5	1	0
	1430	523	1007.9	951.3	..	32.3	18.7	8.7	11.6	24	..	2.2	..	11.5	0	0	31	08	7	1	3	2	0	1	9	0	0
	1730	523	1008.1	951.1	+0.6	30.3	18.0	9.0	11.6	28	-13	2.3	-0.3	9.0	0	1	29	12	5	2	3	0	1	2	5	1	0
	2030	523	1010.9	952.8	..	24.9	16.9	11.0	13.4	42	..	1.3	..	4.6	0	0	21	06	5	2	3	2	1	1	1	10	0
	2330	523	1011.6	953.0	..	22.6	16.0	11.1	13.4	50	..	1.0	..	4.5	0	0	22	05	5	1	3	3	3	2	0	9	0
UJJAIN	0830	489	1013.2	958.0	..	21.2	17.0	14.2	16.3	65	..	2.2	..	2.4	0	0	9	00	1	2	1	0	0	4	1	22	0
	1730	489	1008.3	954.8	..	30.2	19.5	12.8	14.9	35	..	2.0	..	6.8	0	1	25	02	9	6	0	0	0	5	4	5	0
NARSINGHPUR	0830	356	1012.9	972.6	..	23.1	18.9	16.1	18.4	65	..	0.8	..	1.5	0	0	12	00	5	0	0	0	1	6	0	19	0
	1730	356	1007.8	968.7	..	30.8	20.9	14.5	16.6	38	..	2.0	..	1.7	0	0	26	00	15	0	0	1	8	0	2	5	0
HOSHANGABAD	0830	302	1013.5	979.2	+1.6	23.5	18.7	15.5	17.6	62	- 7	1.3	-1.0	2.1	0	0	31	01	1	0	0	0	28	0	1	0	0
	1730	302	1007.8	974.5	+0.5	31.6	21.6	15.3	17.6	39	- 9	2.3	-0.8	2.3	0	0	31	01	11	0	8	0	9	0	2	0	0
INDORE	0530	567	1011.8	947.6	..	18.4	14.5	11.5	13.7	65	..	0.6	..	5.2	0	0	24	06	5	1	0	0	4	5	3	7	0
	0830	567	1012.4	949.5	+1.0	24.9	17.9	13.0	15.5	49	-11	1.2	-0.5	9.0	0	2	26	01	2	7	1	6	2	5	4	3	0
	1130	567	1010.7	949.1	..	30.9	19.5	11.8	14.3	32	..	0.7	..	11.1	0	1	29	03	3	10	1	3	2	5	3	1	0
	1730	567	1007.9	946.3	+0.6	30.3	18.5	10.1	12.7	30	-12	1.6	-1.5	11.2	0	0	29	02	12	6	0	0	2	3	4	2	0
	2330	567	1012.0	948.4	..	21.8	15.7	11.1	13.4	51	..	0.7	..	5.4	0	0	21	04	3	3	0	1	2	4	4	10	0
RAJPUR(JHABUA)	0830	293	1013.3	980.1	+1.1	24.3	19.0	15.1	17.6	59	-13	1.4	-1.0	4.2	0	0	19	00	1	6	0	0	0	12	0	12	0
	1730	293	1008.4	976.4	+0.8	33.2	20.5	11.4	13.7	28	-17	0.9	-1.7	9.2	0	0	30	00	0	1	0	0	0	29	0	1	0
CHHINDWARA	0830	685	1012.5	936.6	+1.4	23.3	18.0	14.7	16.7	59	-12	0.6	-2.3	2.3	0	0	15	04	2	1	0	1	0	7	0	16	0
	1730	685	1007.2	933.3	+1.0	29.5	18.6	10.8	13.5	33	-18	1.6	-2.0	4.6	0	0	28	02	12	3	1	0	0	2	8	3	0
SEONI	0830	619	1012.5	943.9	+1.4	23.9	18.3	14.9	16.9	57	- 8	1.3	-1.4	3.9	0	0	25	04	4	0	2	3	3	4	5	6	0
	1730	619	1008.2	940.9	+1.2	28.1	19.3	13.7	15.9	42	- 8	2.0	-1.2	7.1	0	0	31	04	6	9	5	2	3	1	1	0	0
BETUL	0830	653	1012.5	940.3	+1.5	24.4	18.3	14.4	16.5	55	-14	1.1	-2.0	2.2	0	0	22	01	5	4	7	0	0	5	0	9	0
	1730	653	1008.1	937.1	+1.3	28.2	19.0	13.1	15.3	40	-16	1.5	-1.9	3.5	0	0	31	09	13	3	2	0	1	1	2	0	0
KHANDWA	0830	318	1012.5	976.5	+0.9	24.3	18.1	13.5	15.7	51	-13	0.5	-1.6	1.2	0	0	15	00	0	4	3	0	5	2	1	16	0
	1730	318	1007.4	972.6	+0.4	33.1	19.7	9.4	12.0	24	-17	1.4	-1.5	2.7	0	0	28	07	11	2	0	0	1	0	7	3	0
MADHYA PRADESH, EAST																											
SATNA	0530	317	1010.9	974.6	..	19.9	18.2	17.1	19.5	84	..	0.8	..	0.8	0	0	10	01	1	1	0	2	0	5	0	21	0
	0830	317	1012.5	976.6	+1.0	24.1	19.7	16.8	19.4	64	- 6	0.5	-1.3	1.4	0	0	19	00	0	2	0	3	3	11	0	12	0
	1130	317	1011.3	976.1	..	30.0	20.6	14.3	16.6	40	..	0.9	..	3.2	0	0	27	05	2	3	1	1	1	8	6	4	0
	1430	317	1008.5	973.6	..	31.8	20.3	12.3	14.5	31	..	1.7	..	3.3	0	0	25	04	2	1	1	0	0	11	6	6	0
	1730	317	1008.6	973.5	+0.9	29.5	20.7	15.0	17.3	42	- 9	0.9	-1.5	2.5	0	0	24	05	2	2	0	0	0	5	10	7	0
	2330	317	1011.2	975.2	..	22.5	18.9	16.7	18.9	70	..	0.1	..	1.0	0	0	13	00	0	1	4	3	1	3	1	18	0
REWA	0830	299	1011.4	977.9	..	25.2	19.8	16.4	18.6	58	..	1.0	..	2.3	0	0	23	01	1	0	1	2	11	3	4	8	0
	1730	299	1007.9	974.9	..	30.0	20.1	13.4	15.5	37	..	1.0	..	2.1	0	0	23	09	5	0	0	0	0	2	7	8	0
SIDHI	0830	272	1011.8	981.0	+1.5	23.8	20.5	18.4	21.4	72	- 1	0.3	-2.4	0.5	0	0	6	00	1	2	0	3	0	0	0	25	0
	1730	272	1007.9	977.7	+1.2	29.6	21.9	17.4	20.0	49	- 4	1.1	-1.4	0.5	0	0	5	02	2	1	0	0	0	0	0	26	0
UMARIA	0830	459	1012.8	961.3	+1.3	23.9	19.3	16.7	19.0	65	- 5	0.9	-1.5	1.7	0	0	17	02	0	5	3	1	3	3	0	14	0
	1730	459	1008.8	958.2	+1.2	28.2	20.9	17.2	19.4	51	- 8	1.4	-1.6	0.8	0	0	12	01	1	2	1	1	3	3	0	19	0
JABALPUR	0530	393	1011.6	966.8	..	19.1	18.0	17.2	19.7	89	..	1.0	..	1.7	0	0	13	01	0	0	6	5	0	1	0	18	0
	0830	393	1013.0	968.8	+1.3	23.8	19.8	17.3	19.9	68	- 5	1.3	-1.2	2.2	0	0	16	00	1	0	6	4	3	2	0	15	0
	1130	393	1011.2	967.9	..	29.7	21.5	16.4	19.0	46	..	1.1	..	5.2	0	0	29	03	3	6	2	5	3	5	2	2	0
	1430	393	1008.3	965.4	..	31.7	21.2	14.2	16.6	36	..	1.9	..	5.2	0	0	29	10	8	2	1	0	1	4	3	2	0
	1730	393	1008.6	965.3	+1.0	29.3	20.8	15.4	17.6	44	- 8	2.1	-0.7	2.4	0	0	17	04	8	3	2	0	0	0	0	14	0
	2030	393	1011.0	966.9	..	24.3	20.2	17.7	20.2	67	..	0.3	..	0.4	0	0	4	00	1	1	1	1	0	0	0	27	0
	2330	393	1011.6	967.2	..	22.1	19.3	17.6	20.1	76	..	0.6	..	0.9	0	0	8	00	0	0	4	3	0	1	0	23	0
AMBIKAPUR	0830	611	1012.7	944.7	+1.4	22.9	19.0	16.8	19.1	69	- 8	0.6	-1.8	2.3	0	0	20	02	1	0	2	5	7	1	2	11	0
	1730	611	1008.7	941.8	+1.4	26.9	19.7	15.3	17.6	50	-15	2.2	-0.4	9.0	0	1	29	10	8	1	1	2	1	0	7	1	0
JASHPURNAGAR	0830	779	1012.0	926.5	..	23.4	18.5	15.5	17.7	62	..	0.8	..	0.8	0	0	13	00	6	0	1	0	1	0	5	18	0
	1730	779	1007.8	923.3	..	25.4	18.7	14.4	16.7	52	..	2.0	..	1.9	0	0	28	00	10	0	4	0	10	0	4	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																											
PENDRA	0530	625	1012.0	941.7	..	18.9	16.0	14.0	16.1	74	..	1.2	..	2.3	0	0	17	04	0	0	0	5	5	1	2	14	0
	0830	625	1012.5	943.4	+1.1	24.3	19.1	15.8	18.3	60	-10	0.7	-2.3	3.7	0	0	22	13	1	0	2	4	2	0	0	9	0
	1130	625	1010.9	942.7	..	27.9	19.5	14.3	16.5	44	..	1.2	..	6.2	0	0	28	10	2	1	1	3	4	1	6	3	0
	1430	625	1008.0	940.3	..	28.9	19.6	13.7	16.0	40	..	1.5	..	7.1	0	0	27	14	6	1	1	1	0	2	2	4	0
	1730	625	1008.9	940.4	+1.0	26.0	19.5	15.5	17.9	53	-10	1.4	-2.3	2.4	0	0	16	05	1	2	1	3	2	0	2	15	0
	2330	625	1012.2	942.2	..	20.5	16.9	14.4	16.6	68	..	0.6	..	2.3	0	0	21	02	0	0	0	2	7	5	5	10	0
MANDLA	0830	443	1013.2	963.1	+1.4	21.7	18.9	17.0	19.5	75	- 7	0.7	-2.9	0.1	0	0	1	00	0	0	1	0	0	0	0	30	0
	1730	443	1008.2	959.5	+1.4	28.4	20.8	16.1	18.4	48	-13	1.3	-2.4	0.3	0	0	2	01	0	0	0	0	0	0	1	29	0
CHAMPA	0830	245	1012.7	984.8	+1.4	23.7	21.0	19.3	22.7	77	- 1	0.9	-2.7	1.8	0	0	17	08	3	1	1	0	0	0	4	14	0
	1730	245	1008.5	981.3	+1.3	29.2	22.3	18.2	21.3	52	-11	1.8	-2.3	1.3	0	0	19	06	0	3	0	0	1	7	2	12	0
RAIGARH	0830	220	1012.6	987.7	+1.9	26.1	21.2	18.3	21.3	63	-11	1.2	-2.5	3.3	0	0	31	00	21	0	3	0	6	0	1	0	0
	1730	220	1008.4	983.9	+2.0	29.3	22.6	18.9	21.8	54	- 8	1.1	-2.9	1.0	0	0	13	03	4	0	2	1	1	1	1	18	0
RAIPUR	0530	298	1011.0	977.0	..	21.7	19.9	18.8	21.8	84	..	1.2	..	1.3	0	0	10	01	2	1	0	1	0	2	3	21	0
	0830	298	1012.6	979.1	+1.5	25.9	21.4	18.7	21.8	65	- 8	1.3	-1.6	3.5	0	0	24	04	7	5	0	1	2	1	4	7	0
	1130	298	1011.3	978.3	..	30.1	22.0	17.0	19.7	46	..	1.6	..	5.7	0	0	31	05	9	3	6	2	1	2	3	0	0
	1430	298	1008.5	975.7	..	31.2	21.7	15.6	18.2	40	..	2.5	..	6.6	0	0	30	05	9	5	3	0	4	1	3	1	0
	1730	298	1008.8	975.7	+1.5	29.1	21.2	16.2	18.8	47	-13	2.6	-0.8	4.4	0	0	29	04	8	7	2	3	0	3	2	2	0
	2030	298	1010.9	977.4	..	25.8	20.8	17.7	20.5	62	..	0.6	..	1.5	0	0	10	02	3	0	2	3	0	0	0	21	0
	2330	298	1011.2	977.5	..	24.2	20.6	18.0	21.3	70	..	0.8	..	2.9	0	0	19	01	0	4	3	7	3	1	0	12	0
KANKER	0830	402	1012.4	967.4	+1.2	24.1	20.6	19.0	21.4	73	- 6	1.9	-1.4	0.1	0	0	2	00	0	0	1	0	1	0	0	29	0
	1730	402	1008.4	964.2	+1.1	28.1	22.3	18.8	22.1	59	- 5	2.9	-1.4	0.1	0	0	1	00	0	0	0	0	0	1	0	30	0
JAGDALPUR	0530	553	1011.1	948.9	..	19.2	18.1	17.4	20.0	89	..	1.5	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	0830	553	1012.2	950.7	+1.3	23.4	20.0	18.1	20.9	72	- 8	1.9	-2.0	1.7	0	0	12	01	4	0	0	0	1	1	5	19	0
	1130	553	1010.2	949.8	..	28.1	20.7	16.6	18.9	51	..	2.5	..	4.6	0	0	24	04	9	4	1	1	0	2	3	7	0
	1430	553	1007.3	947.3	..	29.7	20.8	15.9	18.1	45	..	3.2	..	4.7	0	0	25	04	11	4	0	0	1	2	3	6	0
	1730	553	1008.1	947.6	+1.2	26.9	20.8	17.5	20.0	56	-11	3.7	-1.3	2.0	0	0	13	05	4	1	0	1	2	0	0	18	0
	2030	553	1010.8	949.5	..	23.5	19.9	17.9	20.6	71	..	1.7	..	0.6	0	0	2	00	0	1	0	0	1	0	0	29	0
	2330	553	1011.3	949.5	..	21.6	19.2	17.8	20.5	79	..	1.2	..	0.3	0	0	1	00	1	0	0	0	0	0	0	30	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																											
DEESA	0830	136	1012.5	996.9	+1.4	23.8	19.0	15.6	18.1	62	+.0	0.5	-1.2	4.8	0	0	31	00	12	0	8	0	4	0	7	0	0
	1730	136	1008.6	993.5	+1.3	34.7	20.2	8.6	11.9	22	-11	0.5	-1.6	8.1	0	0	31	00	3	0	2	0	7	2	17	0	0
RADHANPUR	0830	30	1012.5	1009.0	+1.0	25.3	22.5	20.8	25.0	72	- 1	0.0	-0.7	2.7	0	0	31	03	3	0	8	0	12	1	4	0	0
	1730	30	1008.5	1005.2	+0.2	34.8	25.4	20.7	24.4	45	+ 0	0.0	-0.9	3.5	0	0	28	07	4	1	0	1	5	3	7	3	0
IDAR	0830	219	1012.3	987.6	+0.9	26.7	19.2	13.4	16.1	47	- 7	1.2	-0.5	2.3	0	0	18	04	8	0	1	0	1	3	1	13	0
	1730	219	1008.6	984.5	+0.8	33.4	20.7	11.6	14.1	27	-12	0.8	-1.0	3.1	0	0	27	01	4	1	2	0	5	9	5	4	0
AHMADABAD	0230	55	1010.2	1003.9	..	23.8	19.7	16.9	19.6	67	..	0.1	..	4.3	0	0	18	01	4	0	0	0	3	8	2	13	0
	0530	55	1010.4	1004.0	..	22.0	19.0	17.0	19.5	74	..	0.2	..	3.1	0	0	11	01	2	1	1	0	0	3	3	20	0
	0830	55	1012.3	1006.0	+0.7	25.4	20.7	17.5	20.5	64	+ 0	1.1	-0.5	5.1	0	1	16	02	4	3	1	0	1	1	5	14	0
	1130	55	1012.3	1006.1	..	32.8	22.4	15.9	18.6	38	..	0.7	..	9.6	0	0	28	02	0	11	2	0	1	3	7	3	2
	1430	55	1009.5	1003.3	..	35.4	22.5	14.1	16.7	30	..	0.7	..	9.2	0	0	29	01	3	5	2	0	3	7	7	2	1
	1730	55	1008.8	1002.6	+0.6	34.8	22.0	13.9	16.0	30	- 5	0.6	-1.2	6.0	0	0	22	03	3	3	0	0	0	5	7	9	1
	2030	55	1010.4	1004.1	..	27.9	21.1	17.0	19.5	53	..	0.2	..	0.6	0	0	3	02	0	0	0	0	0	0	1	28	0
	2330	55	1011.0	1004.7	..	25.5	20.5	17.2	20.0	61	..	0.2	..	3.2	0	0	12	01	1	0	0	1	5	1	3	19	0
DOHAD	0830	333	1012.7	975.1	+0.5	24.8	19.6	16.1	18.5	60	-10	1.3	-0.6	5.9	0	1	26	02	4	7	3	3	3	4	1	4	0
	1730	333	1007.9	971.4	+0.7	33.0	20.9	12.6	14.9	30	- 8	1.3	-0.3	10.3	0	3	28	07	4	1	1	0	4	11	3	0	0
VALLABH VIDYANAGAR	0830	44	1012.4	1007.3	..	23.6	20.7	18.7	22.1	72	..	1.5	..	5.0	0	1	24	02	8	4	1	2	5	0	3	6	0
	1730	44	1008.1	1003.3	..	34.0	22.9	16.4	18.9	38	..	0.9	..	3.7	0	0	28	02	11	1	0	0	3	0	11	3	0
BARODA AERODROME	0830	38	1002.5	1008.2	+1.4	26.6	21.3	17.9	21.0	62	- 6	1.8	-0.3	5.7	0	0	19	02	4	2	2	2	2	3	2	12	0
	1130	38	1012.1	1007.9	..	33.3	22.5	15.6	18.5	37	..	1.2	..	7.0	0	0	25	04	2	4	3	1	1	7	3	6	0
	1730	38	1008.8	1004.6	+1.3	33.7	22.5	15.7	18.1	35	- 8	1.2	-0.9	3.5	0	0	17	03	3	0	0	0	1	3	7	14	0
BARODA	0530	34	1010.5	1006.5	..	23.0	20.2	18.3	21.4	76	..	0.4	..	1.8	0	0	19	01	8	1	0	1	5	2	1	12	0
	0830	34	1012.5	1008.5	+0.8	25.6	21.6	19.2	22.5	69	- 7	1.3	-0.3	1.9	0	0	21	00	7	1	0	1	4	6	2	10	0
	1130	34	1012.3	1008.5	..	34.1	23.7	17.7	20.8	40	..	0.6	..	2.3	0	0	26	01	11	2	1	1	4	4	2	5	0
	1730	34	1008.7	1004.9	+0.8	35.0	24.0	17.9	20.8	37	-15	0.5	-1.2	1.2	0	0	11	01	1	0	0	0	1	1	7	20	0
	2330	34	1011.0	1007.0	..	25.8	21.1	18.2	21.3	64	..	0.3	..	1.0	0	0	10	02	4	0	0	0	1	2	1	21	0
BROACH	0830		..	..	..	..	..	..	..	..	..	1.0	-0.9	5.7	0	0	31	00	9	4	4	2	7	0	5	0	0
	1730		..	..	..	..	..	..	..	..	..	1.0	-1.3	5.9	0	0	31	00	11	1	4	0	7	2	6	0	0
SURAT	0530	12	1010.4	1009.0	..	23.9	21.3	19.9	23.2	80	..	0.8	..	5.9	0	0	31	00	10	0	16	0	5	0	0	0	0
	0830	12	1012.4	1011.1	+1.0	25.9	22.3	20.2	24.0	72	+ 2	1.2	-1.5	5.5	0	0	31	00	11	0	14	1	1	0	4	0	0
	1130	12	1012.3	1011.0	..	32.9	23.9	19.0	22.4	45	..	0.8	..	7.2	0	0	31	00	13	0	4	0	12	0	2	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gram. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	29 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI) (CONTD.)																											
SURAT	1730	12	1008.9	1007.6	+1.0	33.3	24.2	19.0	22.7	45	- 3	0.5	-2.4	7.1	0	0	31	00	6	0	3	0	16	0	6	0	0
	2330	12	1011.2	1009.9	..	26.6	22.9	20.8	24.9	72	..	0.1	..	6.2	0	0	29	00	8	0	8	0	13	0	0	2	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																											
JAMNALIYA	0830	21	1012.0	1009.5	+0.6	23.7	22.2	21.2	25.6	83	- 3	1.8	-0.2	5.0	0	0	22	03	5	1	1	0	3	5	4	9	0
	1730	21	1009.6	1007.2	+1.0	31.6	25.0	21.7	26.3	57	+ 5	0.9	-0.8	11.2	0	0	31	02	3	0	0	0	15	9	2	0	0
BHUJ (RUDRAMATA)	0230	80	1010.5	1001.3	..	23.3	20.1	17.8	20.9	74	..	0.1	..	2.1	0	0	5	00	0	0	0	0	1	4	0	26	0
	0530	80	1010.6	1001.3	..	22.1	19.4	17.3	20.2	76	..	0.2	..	2.0	0	1	3	00	0	0	0	0	1	3	0	27	0
	0830	80	1012.3	1003.1	+0.4	25.1	21.1	18.5	21.8	69	+ 5	0.9	-0.1	5.9	0	2	10	01	0	1	0	0	0	7	3	19	0
	1130	80	1012.2	1003.3	..	32.8	22.0	14.6	17.6	37	..	0.5	..	13.3	0	6	19	07	6	1	0	0	0	7	4	6	0
	1430	80	1009.5	1000.6	..	35.5	22.1	12.0	15.7	29	..	0.6	..	13.4	0	7	20	09	7	0	0	0	3	6	2	4	0
	1730	80	1009.0	1000.0	+0.8	34.3	22.2	13.1	16.9	33	+ 7	0.5	-0.9	18.1	0	14	16	08	7	1	0	0	2	8	4	1	0
	2030	80	1010.8	1001.7	..	28.8	21.5	16.4	19.7	51	..	0.0	..	8.5	0	3	17	02	1	0	0	0	0	12	5	11	0
	2330	80	1011.3	1002.1	..	25.2	20.6	17.2	20.5	64	..	0.1	..	3.9	0	0	10	01	3	0	0	0	0	6	0	21	0
KANDLA AERODROME	0830	35	1012.8	1008.8	..	26.1	20.4	16.5	19.3	57	..	0.5	..	9.8	0	4	23	06	0	1	0	2	5	4	9	4	0
	1130	35	1012.7	1008.7	..	32.9	21.2	13.5	15.8	34	..	0.3	..	13.5	0	6	24	05	2	0	3	1	9	4	6	1	0
	1730	35	1009.0	1005.1	..	34.2	21.3	12.2	14.9	28	..	0.3	..	16.4	0	6	25	06	2	1	1	4	9	2	6	0	0
NEW KANDLA	0830	14	1012.8	1011.2	+0.8	26.1	21.1	18.2	21.0	64	- 4	1.0	-0.3	10.1	0	3	25	09	2	0	1	0	1	7	8	3	0
	1730	14	1009.4	1007.8	+0.5	33.1	23.0	16.5	19.7	41	- 2	0.6	-1.1	16.8	0	11	16	04	1	0	1	2	11	8	0	4	0
MANDVI	0830	9	1012.7	1011.7	+1.8	25.1	21.7	19.5	23.2	74	- 3	1.0	-0.8	13.7	0	7	24	04	7	0	0	0	0	8	12	0	0
	1730	9	1009.9	1008.8	+1.5	29.9	24.7	22.0	26.9	64	- 6	1.0	-1.0	23.1	0	19	12	00	0	0	0	1	1	27	2	0	0
SUKENDRANAGAR	0830	74	(R)																								
	1730	74	(R)																								
OKHA	0530	7	1010.9	1010.1	+0.7	25.6	23.6	22.7	27.4	84	+46	0.1	-2.4	12.6	0	4	26	06	2	2	0	1	2	9	8	1	0
	0830	7	1012.8	1012.0	..	26.5	24.2	23.2	28.3	82	..	0.7	..	11.8	0	3	27	03	5	2	0	1	5	6	8	1	0
	1130	7	1012.8	1012.0	..	28.3	24.5	22.5	27.6	70	..	0.5	..	12.3	0	6	25	03	3	4	0	0	1	6	14	0	0
	1730	7	1010.3	1009.5	..	28.2	25.2	23.8	29.7	77	..	0.3	..	15.4	0	9	22	02	1	1	0	0	1	11	15	0	0
	2330	7	1012.0	1011.2	..	26.1	24.2	23.3	28.6	86	..	0.1	..	13.2	0	4	27	04	3	0	0	0	4	9	11	0	0
JAMNAGAR AERODROME	0530	20	1010.8	1008.5	..	22.1	20.6	19.6	22.9	87	..	0.4	..	7.2	0	1	18	02	4	0	0	0	1	5	7	12	0
	0830	20	1012.7	1010.4	+1.0	25.4	22.1	20.0	23.8	75	- 1	0.7	-1.5	8.2	0	1	22	01	3	2	0	2	4	7	4	8	0
	1130	20	1012.9	1010.7	..	31.0	22.8	17.8	21.0	48	..	0.8	..	17.8	0	10	20	05	7	2	0	0	0	7	9	1	0
	1730	20	1009.6	1007.4	+2.0	31.9	21.9	15.3	18.1	40	- 7	0.4	-1.6	19.4	0	10	21	07	7	0	0	0	0	5	12	0	0
	2330	20	1011.6	1009.4	..	25.5	22.6	20.9	25.0	77	..	0.1	..	11.2	0	2	25	04	4	0	0	0	0	7	12	4	0
DWARKA	0830	11	1012.3	1011.0	+0.3	26.4	23.6	22.0	26.7	78	- 1	1.1	-0.8	8.1	0	7	19	08	3	1	0	0	0	4	7	5	3
	1730	11	1010.4	1009.1	+1.3	28.8	25.0	23.0	28.6	72	+ 1	0.5	-1.0	15.1	0	6	25	04	0	0	0	0	0	11	15	0	1
RAJKOT	0530	138	1010.8	995.0	..	21.9	17.9	15.2	17.3	69	..	0.5	..	9.4	0	4	19	01	3	0	0	3	7	4	4	8	1
	0830	138	1012.5	996.8	+0.7	25.7	20.8	17.4	20.5	64	- 6	0.3	-1.5	12.2	0	10	16	03	4	1	0	0	6	5	7	5	0
	1130	138	1012.0	996.8	..	33.3	21.9	14.5	16.9	34	..	0.2	..	18.8	0	18	12	02	11	0	0	0	1	6	9	1	1
	1430	138	1008.9	993.8	..	35.9	21.6	11.5	14.1	24	..	0.1	..	18.9	0	19	11	05	7	1	0	0	1	5	9	1	2
	1730	138	1008.4	993.3	+1.0	34.9	21.3	11.3	14.3	27	- 4	0.0	-2.3	22.6	0	20	11	07	5	3	0	0	1	2	13	0	0
BHAVNAGAR AERODROME	0830	11	1012.6	1011.4	+1.5	26.4	20.9	17.3	20.2	59	- 1	0.8	-1.2	10.6	0	3	25	04	1	0	0	1	2	6	13	3	1
	1130	11	1012.5	1011.3	..	32.2	23.0	17.6	20.5	43	..	0.8	..	16.1	0	10	20	02	14	6	2	0	0	4	1	1	1
	1730	11	1008.8	1007.6	+0.4	33.9	22.2	14.5	16.8	33	- 1	0.8	-3.5	19.6	0	19	11	03	8	5	9	5	0	0	0	1	0
PORBANDER AERODROME	0830	7	1012.4	1011.6	+1.5	26.5	22.7	20.5	24.4	71	- 9	0.8	-1.0	7.9	0	6	16	06	4	0	2	1	1	2	6	9	0
	1130	7	1012.5	1011.7	..	33.0	24.2	19.2	22.9	47	..	0.7	..	16.7	0	10	19	03	3	3	0	1	6	5	7	2	1
	1730	7	1009.4	1008.6	+1.2	31.8	24.0	19.8	23.4	52	-12	0.9	-1.8	24.2	0	28	3	04	0	0	0	0	1	23	3	0	0
KESHOD	0830	51	1012.5	1006.7	+1.0	26.1	21.5	18.3	21.8	66	- 7	0.7	-1.1	10.5	0	2	28	08	10	2	0	0	0	6	4	1	0
	1130	51	1012.5	1006.8	..	33.0	22.1	14.9	17.7	37	..	0.8	..	16.6	0	9	22	06	8	2	0	0	1	5	9	0	0
	1730	51	1008.8	1003.2	+0.6	34.0	19.4	15.1	17.4	35	- 9	1.4	-0.4	18.0	0	8	23	01	3	1	0	2	5	14	5	0	0
MAHUVA	0830	9	1011.6	1010.6	..	24.5	21.5	19.6	23.2	75	..	1.1	..	1.0	0	0	12	06	0	0	0	1	1	0	3	19	1
	1730	9	1008.4	1007.4	..	32.4	26.9	24.4	30.7	63	..	1.3	..	2.7	0	0	21	00	0	0	6	10	4	0	0	10	1
VERAVAL	0230	8	1010.4	1009.5	..	24.5	22.1	20.6	24.7	80	..	0.3	..	7.9	0	4	18	12	5	1	0	0	0	1	3	9	0
	0530	8	1010.3	1009.4	..	23.3	20.6	18.8	22.1	78	..	0.5	..	8.3	0	4	18	13	9	0	0	0	0	0	0	9	0
	0830	8	1012.2	1011.3	+0.7	26.1	22.3	19.9	23.8	71	+ 3	0.7	-1.5	9.8	0	6	18	09	12	1	0	0	0	0	2	7	0
	1130	8	1012.3	1011.4	..	32.7	24.9	20.5	25.0	53	..	0.5	..	14.1	0	6	23	02	8	2	0	2	1	9	5	2	0
	1430	8	1009.8	1008.9	..	31.7	27.0	25.0	31.7	68	..	0.8	..	18.8	0	17	13	00	0	0	0	3	8	11	8	1	0
	1730	8	1009.4	1008.5	+1.2	30.0	26.4	24.8	31.5	74	- 1	0.8	-1.6	16.3	0	11	20	00	0	0	1	3	6	10	11	0	0
	2030	8	1011.1	1010.2	..	28.0	25.2	23.8	29.7	79	..	0.1	..	8.4	0	3	17	03	0	0	0	0	2	6	9	11	0
	2330	8	1011.5	1010.6	..	26.0	23.4	22.0	26.4	80	..	0.2	..	5.6	0	1	18	09	3	0	0	1	0	1	5	12	0
DIU	0830	15	1012.9	1011.2	..	26.5	22.0	19.1	22.7	66	..	1.6	..	8.7	0	3	26	04	5	1	0	0	0	5	14	2	0
	1730	15	1009.7	1008.0	..	29.9	25.5	23.5	28.9	69	..	1.5	..	16.7	0	12	19	00	1	2	3	3	11	10	1	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lst. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KONKAN (INCLUDING GOA)																											
DAHANU	0830	5	(R)																								
	1730	5	(R)																								
BOMBAY (SANTACRUZ)	0230	14	1009.8	1008.1	+1.1	24.3	22.8	21.9	26.6	87	+13	1.9	-0.8	4.1	0	0	14	03	6	4	1	0	0	0	0	17	0
	0530	14	1010.1	1008.4	..	23.8	22.3	21.2	25.6	88	..	2.0	..	3.6	0	0	13	02	4	5	1	1	0	0	0	18	0
	0830	14	1012.5	1010.7	+1.8	27.2	23.7	21.9	26.4	74	- 1	2.5	-1.3	4.1	0	0	14	00	2	10	1	0	0	0	1	17	0
	1130	14	1011.7	1010.1	..	32.2	24.9	21.2	25.5	54	..	1.9	..	10.3	0	1	28	04	1	6	5	1	1	6	5	2	0
	1430	14	1009.1	1007.5	..	32.5	25.3	21.7	26.3	56	..	1.5	..	14.8	0	3	28	02	1	1	0	0	4	12	11	0	0
	1730	14	1003.9	1007.3	+1.3	30.3	25.2	22.8	27.9	65	+ 0	1.8	-1.7	14.0	0	4	27	06	1	0	0	0	0	5	19	0	0
	2030	14	1010.8	1009.1	..	26.9	24.2	22.8	27.9	79	..	1.5	..	4.6	0	0	19	09	1	2	0	0	0	0	7	12	0
	2330	14	1011.1	1009.4	..	25.1	23.1	22.0	26.6	84	..	1.5	..	2.1	0	0	10	01	1	3	2	1	0	0	2	21	0
BOMBAY	0830	11	1011.9	1010.7	+1.0	26.9	24.6	23.5	28.9	82	+ 2	2.0	-1.2	7.9	0	0	31	01	7	15	6	0	0	0	2	0	0
	1130	11	1011.8	1010.6	..	30.8	25.6	23.2	28.6	65	..	1.0	..	6.8	0	0	29	02	3	9	4	2	3	2	4	2	0
	1730	11	1008.9	1007.7	+0.9	29.7	25.7	23.8	29.7	71	- 3	1.4	-1.4	11.0	0	1	30	05	0	0	0	0	0	6	20	0	0
ALIBAG	0830	7	1011.8	1011.0	+0.6	26.9	23.9	22.4	27.3	77	- 2	2.5	-0.9	3.7	0	0	25	02	7	3	11	2	0	0	0	6	0
	1730		(R)																								
BHIRA	0830	96	1011.5	1000.5	..	24.7	22.3	21.0	25.0	81	..	1.6	..	1.4	0	0	10	01	0	4	3	0	1	0	1	21	0
	1730	96	1007.6	997.0	..	30.6	26.1	24.0	30.0	69	..	2.2	..	1.2	0	0	16	00	1	0	1	4	7	3	0	15	0
HARNAI	0830	20	1011.2	1008.9	+1.0	27.6	23.0	20.5	24.3	67	-10	4.4	+0.0	7.9	0	3	17	04	0	8	5	1	0	1	1	11	0
	1730	20	1008.6	1006.3	+1.1	29.5	25.3	23.3	28.8	70	- 8	4.1	-0.4	21.2	0	12	19	08	0	0	0	0	0	5	18	0	0
RATNAGIRI	0830	35	1011.7	1007.7	+1.3	26.3	23.0	21.2	25.3	75	- 7	3.1	-1.2	5.3	0	0	30	01	3	12	9	0	0	0	1	1	4
	1730	35	1008.5	1004.6	+0.9	29.5	25.3	23.5	28.8	71	- 5	2.9	-1.6	6.8	0	2	29	01	0	1	0	0	0	14	13	0	2
DEVGARH	0830	36	1011.5	1007.5	+1.1	25.6	23.9	22.6	28.3	84	- 1	2.5	-2.2	7.9	0	0	30	00	7	19	2	0	0	0	2	1	0
	1730	36	1008.1	1004.1	+0.6	29.7	26.4	24.9	31.9	76	- 2	2.9	-1.9	20.2	0	13	18	01	0	0	0	0	3	9	18	0	0
VENGURLA	0230	9	1010.4	1009.4	..	23.6	22.9	22.2	27.3	94	..	1.8	..	1.1	0	0	8	07	0	0	0	1	0	0	0	23	0
	0530	9	1010.0	1009.0	..	22.9	22.4	22.1	26.6	95	..	1.8	..	1.2	0	0	9	09	0	0	0	0	0	0	0	22	0
	0830	9	1012.1	1011.1	+1.3	26.0	23.9	22.8	27.9	83	- 2	2.1	-2.6	1.5	0	0	12	03	2	1	3	0	0	0	3	19	0
	1130	9	1011.6	1010.6	..	30.7	24.8	21.9	26.6	62	..	2.5	..	4.1	0	0	27	02	1	1	3	2	8	4	6	4	0
	1730	9	1008.8	1007.8	+0.9	29.0	25.2	23.5	28.9	73	- 3	3.7	-1.6	5.2	0	0	29	02	0	0	0	2	3	15	7	2	0
	2330	9	1011.3	1010.3	..	24.6	23.7	23.2	28.6	92	..	2.9	..	2.1	0	0	12	10	1	0	0	1	0	0	0	19	0
PANJIM	0530	60	1009.5	1002.6	..	23.6	22.8	22.4	27.1	93	..	3.0	..	7.2	0	0	28	02	12	13	0	0	0	1	0	3	0
	0830	60	1011.4	1004.6	..	25.1	23.0	21.9	26.3	83	..	3.5	..	6.1	0	0	28	00	17	8	1	0	0	0	2	3	0
	1130	60	1011.2	1004.5	..	30.2	24.3	21.2	25.6	60	..	4.0	..	6.3	0	0	28	02	7	2	3	0	6	6	2	3	0
	1430	60	1008.5	1001.8	..	31.0	25.1	22.2	26.9	61	..	3.9	..	12.5	0	1	30	00	2	0	0	1	16	9	3	0	0
	1730	60	1008.1	1001.3	..	29.0	24.6	22.5	27.3	69	..	4.8	..	12.8	0	2	28	00	0	0	0	3	12	10	5	1	0
	2030	60	1010.4	1003.6	..	26.6	24.0	22.8	27.7	80	..	3.9	..	8.1	0	1	27	05	4	3	2	0	1	4	9	3	0
	2330	60	1010.8	1004.0	..	25.5	23.6	22.7	27.6	85	..	3.5	..	7.0	0	0	29	09	10	4	1	0	1	1	3	2	0
MORMUGAO	0530	62	1009.3	1002.4	..	24.9	23.6	22.9	27.9	89	..	3.5	..	9.3	0	0	30	02	7	14	4	1	0	1	1	1	0
	0830	62	1011.3	1004.3	+0.5	26.6	23.9	22.5	27.6	79	- 3	3.7	-0.7	10.3	0	0	31	05	10	14	1	1	0	0	0	0	0
	1130	62	1010.9	1004.0	..	29.4	24.4	21.8	26.4	65	..	3.7	..	9.7	0	1	30	01	3	3	1	2	9	7	5	0	0
	1730	62	1007.9	1001.0	+0.1	28.9	25.0	23.1	28.6	71	- 7	5.0	+0.3	16.3	0	5	26	01	1	0	1	2	10	9	7	0	0
DABOLIM (NAVAL AIR STN.)	0530	52	1009.8	1003.9	..	23.9	22.9	22.3	27.1	91	..	3.1	..	..	.	..	..	02	4	10	3	2	0	0	0	10	0
	0830	52	1011.8	1006.0	..	26.6	23.6	22.0	26.6	77	..	3.4	..	..	.	..	..	02	4	14	4	0	0	0	0	6	1
	1130	52	1011.5	1005.7	..	30.1	24.1	21.1	25.0	61	..	3.3	..	..	.	..	..	04	1	1	4	4	5	5	6	0	1
	1730	52	1008.5	1002.7	..	29.0	24.5	22.3	26.9	68	..	4.5	..	..	.	..	..	05	1	0	0	1	1	10	13	0	0
	2330	52	1011.1	1005.3	..	26.0	23.9	22.8	27.9	83	..	4.2	..	..	.	..	..	06	7	7	1	0	0	1	0	9	0
MADHYA MAHARASHTRA																											
NANDURBAR	0830	206	1012.6	989.3	+0.8	26.7	21.7	18.5	21.8	62	+ 0	.	..	4.5	0	2	21	00	3	7	1	0	8	1	3	8	0
	1730	206	1008.7	986.0	+1.2	33.9	23.4	17.4	20.2	39	- 6	.	..	2.2	0	0	19	00	4	2	1	0	4	1	7	11	0
JALGAON	0830	201	1012.5	989.6	+0.8	24.8	19.3	15.5	17.9	58	-12	1.2	-1.0	9.7	0	1	29	01	2	10	7	1	2	4	3	1	0
	1730	201	1007.7	985.5	+1.0	33.6	20.9	11.9	14.3	29	-10	1.6	-1.1	7.1	0	0	28	04	4	6	2	1	1	2	8	3	0
MALEGAON	0830	437	1012.8	963.8	+1.1	24.5	19.4	15.6	18.3	59	- 6	0.7	-1.8	2.9	0	0	23	03	0	0	0	2	1	13	4	8	0
	1730	437	1007.6	960.4	+1.2	33.2	23.6	18.5	21.3	42	+ 2	2.4	-1.3	9.5	0	2	27	04	17	1	0	2	0	0	5	2	0
OZAR	0530	608	1011.9	943.2	..	18.2	16.1	14.6	16.7	80	..	1.0	..	3.2	0	0	13	01	1	0	0	0	1	6	4	18	0
	0830	608	1012.5	945.0	..	23.8	18.5	15.1	17.4	60	..	1.7	..	5.6	0	2	17	00	6	2	3	0	0	5	3	12	0
	1130	608	1010.6	944.6	..	30.1	20.0	13.8	16.0	39	..	1.4	..	11.9	0	4	23	00	7	9	3	1	0	3	4	4	0
	1430	608	1007.4	941.9	..	31.6	20.1	12.6	15.1	33	..	3.0	..	10.6	0	0	27	02	4	5	4	0	1	1	9	4	1
	1730	608	1007.8	942.0	..	30.2	19.8	13.2	15.5	39	..	2.6	..	13.4	0	11	14	03	5	3	0	1	0	3	10	6	0
AHMADNAGAR	0830	657	1012.7	940.2	+1.6	24.7	18.7	14.8	17.1	56	-12	1.5	-1.7	4.6	0	0	25	00	4	0	6	0	8	0	7	6	0
	1730	657	1000.7	936.2	+0.9	30.2	19.6	12.7	15.1	37	-10	3.3	-0.8	8.4	0	2	29	00	22	0	4	0	1	0	4	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - OCTOBER, 1967. (ASVINA 9 - KARTIKA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	Wind Speed 20 to 61	Wind Speed 1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ADHYA MAHARASHTRA (CONTD.)																											
POONA AERODROME	0230	593	1010.7	944.3	..	21.1	19.5	18.4	21.6	85	..	1.5	..	2.7	0	1	9	00	0	3	0	0	0	6	1	21	0
	0530	593	1011.2	944.5	..	20.1	18.9	17.9	21.0	90	..	1.2	..	3.4	0	0	12	00	1	0	0	1	0	9	1	19	0
	0830	593	1012.4	946.3	..	22.8	19.9	18.2	21.0	77	..	1.5	..	4.7	0	0	15	00	2	2	0	0	1	8	2	16	0
	1130	593	1010.7	946.1	..	29.5	20.9	16.3	18.4	45	..	2.0	..	15.7	0	9	21	01	3	17	2	0	0	6	1	1	0
	1730	593	1007.0	942.7	..	30.1	20.8	15.2	17.8	43	..	3.1	..	13.7	0	6	24	04	7	6	0	1	1	8	2	1	1
	2330	593	1011.5	945.3	..	22.1	19.8	18.4	21.3	80	..	1.8	..	7.1	0	0	23	00	0	1	1	0	2	18	1	8	0
POONA	0530	559	1011.9	948.6	..	18.3	17.6	17.1	19.6	92	..	1.2	..	0.5	0	0	2	00	0	0	0	0	1	1	0	29	0
	0830	559	1013.1	950.6	+1.3	22.5	19.8	18.3	21.0	78	+ 4	1.7	-1.7	0.7	0	0	3	00	0	0	0	0	0	3	0	28	0
	1130	559	1011.0	950.0	..	29.3	20.6	15.7	17.8	44	..	2.2	..	5.6	0	0	25	01	3	14	3	0	0	2	2	6	0
	1430	559	1007.6	947.2	..	31.4	20.3	13.5	15.7	35	..	3.5	..	5.2	0	0	24	01	6	4	5	0	1	3	4	7	0
	1730	559	1007.6	946.8	+1.0	29.5	20.4	14.9	17.4	44	- 9	3.4	-1.0	3.5	0	0	16	01	4	2	1	0	0	5	3	15	0
	2030	559	1011.1	949.1	..	24.2	20.1	17.8	20.5	69	..	2.8	..	3.1	0	0	12	00	0	2	0	0	1	6	3	19	0
	2330	559	1012.2	949.5	..	21.2	19.3	18.1	21.0	83	..	2.1	..	0.5	0	0	2	00	0	0	1	0	0	1	0	29	0
JEUR	0830	521	1012.2	954.2	+1.6	24.4	19.1	15.7	18.3	60	-11	1.4	-2.1	5.5	0	0	31	13	2	5	2	3	1	2	3	0	0
	1730	521	1006.6	950.2	+1.3	31.6	19.8	11.9	14.5	32	-16	3.1	-1.4	11.3	0	2	29	04	10	11	1	1	0	0	4	0	0
BARAMATI	0830	551	1012.5	951.3	+1.5	24.1	19.3	16.4	18.9	63	- 9	1.1	-2.4	7.4	0	1	27	01	2	3	5	3	1	3	10	3	0
	1730	551	1007.5	947.8	+1.7	30.8	19.8	12.6	15.1	36	-11	2.3	-2.1	10.2	0	1	30	07	2	10	1	4	1	3	3	0	0
SHOLAPUR	0530	479	1011.1	957.0	..	20.9	17.9	16.0	18.3	74	..	1.4	..	5.0	0	2	17	02	5	7	3	0	0	0	2	12	0
	0830	479	1012.4	959.2	+1.4	25.7	20.3	17.3	19.9	62	- 6	1.8	-1.7	5.6	0	0	28	00	11	1	12	1	1	0	2	3	0
	1130	479	1010.8	958.4	..	30.1	21.4	16.4	19.0	46	..	2.2	..	8.6	0	2	26	02	7	2	13	1	3	0	0	3	0
	1430	479	1007.1	955.2	..	31.9	21.1	14.7	17.1	38	..	3.1	..	10.4	0	3	26	04	16	1	6	0	2	0	0	2	0
	1730	479	1007.0	954.9	+0.9	30.7	20.6	14.3	16.9	40	- 6	2.9	-1.6	9.3	0	0	29	00	17	4	6	0	2	0	0	2	0
	2330	479	1011.2	957.8	..	24.2	18.9	15.5	17.9	60	..	2.3	..	7.5	0	1	22	01	5	7	8	0	2	0	0	8	0
MIRAJ	0830	554	1012.7	951.0	+1.4	23.0	19.6	17.5	20.4	74	- 2	4.0	+0.0	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	554	1007.1	947.1	+1.1	30.3	20.2	13.8	15.8	38	-14	3.8	-1.1	..	.	..	..	00	0	5	0	0	0	3	0	23	0
KOLHAPUR	0530	570	1010.8	946.8	..	19.9	18.5	17.7	20.2	87	..	2.6	..	2.4	0	0	12	01	7	2	0	0	0	2	0	19	0
	0830	570	1012.1	948.6	+1.2	22.9	19.7	17.8	20.6	75	- 6	2.5	-2.1	3.2	0	0	17	00	8	4	0	0	0	3	2	14	0
	1130	570	1010.6	948.4	..	28.6	21.1	16.7	19.5	52	..	2.4	..	9.4	0	3	25	01	12	11	0	0	1	3	0	3	0
	1730	570	1006.7	944.9	+0.8	29.6	20.8	15.6	18.1	46	-15	3.4	-1.8	8.3	0	1	25	00	0	6	0	0	0	5	4	5	0
	2330	570	1011.0	947.6	..	22.9	19.9	18.0	21.0	76	..	3.4	..	3.4	0	0	20	00	4	5	0	0	0	2	9	11	0
ARATHWADA																											
AURANGABAD	0830	581	1013.0	948.7	+1.3	25.1	18.8	14.7	17.1	54	-10	1.5	-1.3	4.6	0	2	16	01	3	7	1	0	1	5	0	13	0
	1730	581	1007.2	944.3	+0.2	30.6	19.1	11.0	13.7	32	-14	3.4	-0.6	10.3	0	4	24	09	8	5	0	0	0	2	4	3	0
AURANGABAD(CHIKALTHAN)	0230	579	1011.2	945.9	..	19.4	15.4	12.3	14.6	65	..	2.0	..	1.6	0	0	5	01	0	1	0	0	0	1	2	26	0
	0530	579	1011.9	946.3	..	18.0	14.8	12.2	14.5	70	..	1.9	..	0.6	0	0	2	00	0	0	0	0	1	0	1	29	0
	0830	579	1012.1	948.1	+1.3	25.2	18.5	14.1	16.4	52	- 9	1.8	-1.1	3.2	0	1	8	00	2	1	2	0	0	2	2	22	0
	1130	579	1010.6	947.7	..	30.4	20.0	13.5	15.8	37	..	2.2	..	11.9	0	2	25	08	5	6	6	0	0	0	2	4	0
	1430	579	1007.3	944.9	..	31.6	19.6	11.6	14.0	32	..	3.6	..	14.1	0	3	27	10	10	2	3	0	0	3	2	1	0
	1730	579	1007.3	944.6	+1.1	30.4	19.1	11.5	13.8	33	-13	3.8	-0.4	11.0	0	0	27	07	9	3	3	0	0	1	4	4	0
	2030	579	1010.7	946.3	..	23.9	17.2	12.3	14.7	50	..	2.5	..	2.2	0	0	8	02	1	0	1	0	0	3	1	23	0
	2330	579	1011.8	947.0	..	21.4	16.1	12.1	14.5	57	..	2.2	..	1.9	0	0	6	02	0	0	0	0	0	4	0	25	0
PARBHANI	0830	423	1013.0	965.6	+1.7	24.5	19.3	15.7	18.5	59	- 9	1.4	-1.9	4.3	0	0	29	04	2	6	4	1	1	8	3	2	0
	1730	423	1008.1	961.8	+1.5	29.9	19.8	12.1	14.9	36	-13	2.9	-1.0	9.0	0	2	27	05	8	12	1	0	1	1	1	2	0
NANDER	0830	358	1012.6	972.3	..	25.0	20.3	17.2	20.0	62	..	1.4	..	1.5	0	0	13	01	2	1	3	0	1	3	2	18	0
	1730	358	1008.5	969.2	..	30.9	21.3	15.1	17.5	40	..	0.9	..	1.4	0	0	10	00	6	0	0	0	0	4	0	21	0
BIR	0830	319	1013.2	955.3	..	23.8	19.8	17.6	20.1	69	..	1.6	..	2.0	0	0	18	00	1	1	3	2	4	0	7	13	0
	1730	319	1007.7	951.4	..	30.9	21.1	15.3	17.8	41	..	1.8	..	5.4	0	0	26	00	21	0	1	0	1	0	3	5	0
VIDARBHA																											
GONDIA	0830	313	1012.7	977.5	+1.7	24.5	20.6	18.3	21.0	68	- 9	0.6	-2.9	1.9	0	0	21	04	9	2	3	1	1	0	1	10	0
	1730	313	1008.5	973.9	+1.4	30.0	22.0	17.1	19.9	47	-12	2.1	-1.8	1.4	0	0	15	04	4	0	0	0	5	0	4	16	0
NAGPUR (SONEGAON)	0230	310	1010.4	975.0	..	20.6	18.1	16.3	18.8	77	..	0.6	..	2.0	0	0	17	07	1	0	0	0	0	3	6	14	0
	0530	310	1011.1	975.5	..	19.2	17.4	16.2	18.4	83	..	0.8	..	1.7	0	0	16	07	1	0	1	0	0	0	7	15	0
	0830	310	1012.6	977.6	+1.5	25.3	20.1	16.9	19.3	60	-11	1.2	-2.3	3.9	0	1	24	08	7	2	2	0	0	0	6	6	0
	1130	310	1011.0	976.8	..	31.4	21.9	16.1	18.5	41	..	1.3	..	5.7	0	0	25	03	9	4	2	1	1	2	2	6	1
	1430	310	1007.8	973.8	..	32.7	21.1	13.6	15.6	33	..	2.4	..	6.9	0	0	27	06	6	3	2	1	1	3	4	4	1
	1730	310	1007.9	973.7	+1.1	30.1	20.9	14.9	17.1	41	-13	2.5	-1.6	5.2	0	1	24	02	9	8	3	1	1	1	0	6	0
	2030	310	1010.8	975.8	..	24.1	19.1	15.8	18.1	61	..	1.5	..	1.3	0	0	12	01	3	4	2	1	0	1	0	19	0
	2330	310	1011.3	976.0	..	22.0	18.7	16.5	18.9	71	..	0.8	..	2.4	0	0	17	02	2	1	0	0	1	3	8	14	0
AMRAOTI	0830	370	1012.1	970.8	+1.0	26.4	19.2	14.2	16.4	48	-12	1.0	-1.9	2.3	0	0	26	03	9	7	2	0	2	2	1	5	0
	1730	370	1007.8	967.3	+1.4	31.6	19.2	9.3	12.2	27	-18	2.4	-1.9	7.4	0	0	31	06	8	6	2	3	1	0	5	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – [illegible]

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	Wind speed (Km. p. h.) 62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA (CONTD)																											
AKOLA AERODROME	0530	309	1010.5	975.1	..	19.9	16.3	13.7	15.7	67	..	1.5	..	4.3	0	0	27	00	5	7	1	2	3	4	5	4	0
	0830	309	1012.0	977.2	..	24.8	18.8	14.4	16.8	53	..	1.7	..	5.0	0	0	31	01	5	10	3	1	3	3	5	0	0
	1130	309	1010.9	976.8	..	31.2	20.9	14.1	16.3	36	..	1.5	..	6.1	0	0	29	01	5	7	4	1	2	3	5	2	0
	1430	309	1007.4	973.6	..	33.2	20.4	11.3	13.6	28	..	3.3	..	6.0	0	0	30	05	6	3	2	1	0	2	11	1	0
	1730	309	1007.4	973.4	..	31.7	20.2	11.6	14.3	32	..	3.2	..	5.4	0	1	29	07	6	4	1	0	2	3	7	1	0
	2030	309	1009.7	975.1	..	26.6	18.3	11.6	14.3	42	..	2.3	..	4.8	0	0	31	05	4	11	5	3	1	0	2	0	0
	2330	309	1010.5	975.5	..	23.9	17.3	11.8	14.4	48	..	2.1	..	4.6	0	0	27	01	6	8	4	5	0	0	3	4	0
AKOLA	0830	282	1012.5	980.6	+1.2	24.3	19.2	15.7	18.1	60	- 6	1.2	-1.5	2.1	0	0	28	01	6	4	8	0	3	2	4	3	0
	1730	282	1007.5	976.6	+0.9	32.8	21.6	14.1	16.6	35	- 6	3.4	+0.2	2.5	0	0	27	02	15	0	0	0	0	1	9	4	0
BRAMHAPURI	0830	229	1012.8	986.7	+1.1	23.6	21.0	19.5	22.8	78	- 2	0.7	-3.1	1.5	0	0	23	06	5	3	3	2	1	1	2	8	0
	1730	229	1008.6	983.3	+1.2	30.5	21.9	16.6	19.3	45	-13	1.9	-1.9	4.4	0	0	28	06	12	5	2	2	1	0	0	3	0
BULDANA	0830	650	1012.1	940.4	+1.8	24.6	18.9	15.3	17.6	57	-10	1.1	-2.3	8.8	0	0	27	03	1	0	3	5	5	0	10	4	0
	1730	650	1007.4	937.2	+1.5	30.0	19.8	13.0	15.7	38	-11	2.8	-0.8	4.3	0	0	26	03	8	4	0	1	1	0	9	5	0
YEUTMAL	0830	451	1012.2	961.9	+1.6	26.0	19.6	15.3	17.6	53	-15	1.5	-2.0	5.8	0	0	30	05	5	6	5	2	3	2	2	1	0
	1730	451	1007.7	958.3	+1.1	30.0	19.9	12.5	15.1	36	-19	2.8	-1.1	6.0	0	0	30	07	14	4	1	1	1	1	1	1	0
CHANDRAPUR	0830	193	1012.1	990.1	+0.8	23.9	20.9	19.3	22.2	75	- 1	0.9	-2.1	4.0	0	0	26	02	4	5	3	2	1	3	6	5	0
	1730	193	1008.2	986.7	+1.0	29.8	22.6	18.5	21.6	52	-12	2.3	-1.2	4.0	0	0	29	01	11	14	2	1	0	0	0	2	0
PUSAD	0830	334	1013.6	975.7	..	23.7	19.6	16.9	19.5	66	..	2.3	..	2.4	0	0	25	00	4	0	2	0	3	4	12	6	0
	1730	334	1008.4	971.7	..	31.6	22.3	16.3	19.4	43	..	3.8	..	4.9	0	0	31	00	16	3	5	0	1	0	6	0	0
SIRONCHA	0830	123	1012.7	998.7	+2.0	25.5	22.3	20.6	24.3	75	- 6	1.8	-2.1	1.0	0	0	16	00	5	2	7	0	2	0	0	15	0
	1730	123	1008.6	994.8	+1.7	30.6	22.8	18.3	21.4	48	-15	4.0	-0.3	1.3	0	0	16	01	7	3	2	0	0	0	3	15	0
WARDHA	0830	283	1012.1	980.3	..	26.5	20.2	16.0	18.5	53	..	0.6	..	3.4	0	0	31	08	12	7	1	0	1	1	1	0	0
	1730	283	1007.8	976.5	..	31.5	20.7	13.1	15.6	34	..	3.1	..	3.2	0	0	27	04	9	9	4	0	1	0	0	4	0
BHANDARA	0830		..	..	..	25.4	21.5	18.8	22.4	66	..	.	..	1.7	0	0	22	00	15	3	0	1	0	2	1	9	0
	1730		..	..	..	30.7	22.6	17.9	20.8	47	..	.	..	2.1	0	0	24	01	12	4	3	1	3	0	0	7	0
COASTAL ANDHRA PRADESH																											
KALINGAPATAM	0830	6	1011.6	1011.1	+1.4	27.3	24.3	22.6	27.9	77	- 6	1.5	-3.4	7.5	0	0	30	10	3	0	0	0	0	0	7	0	10
	1730	6	1008.6	1008.0	+1.1	28.4	24.0	22.3	26.3	70	- 5	1.0	-4.7	8.2	0	0	30	14	4	4	2	3	1	0	2	0	0
VISHAKHAPATNAM	0230	3	1009.6	1009.2	..	24.7	23.0	22.0	26.6	85	..	2.0	..	2.1	0	0	13	02	1	0	0	0	1	4	5	18	0
	0530	3	1010.0	1009.6	..	24.0	22.4	21.4	25.8	86	..	3.2	..	2.3	0	0	14	04	3	0	0	0	0	2	5	17	0
	0830	3	1012.0	1011.6	+1.6	28.2	23.7	21.4	25.6	68	-10	3.1	-1.4	5.7	0	0	28	04	6	1	0	0	0	3	13	3	1
	1130	3	1010.8	1010.4	..	31.4	24.0	20.1	23.8	53	..	3.7	..	9.9	0	2	27	01	4	8	5	2	2	2	4	2	1
	1430	3	1008.4	1008.0	..	31.7	24.5	20.7	24.9	54	..	3.4	..	15.0	0	8	23	00	1	11	12	1	4	1	1	0	0
	1730	3	1008.9	1008.5	+1.4	29.1	23.7	20.8	24.9	63	-16	3.5	-1.7	9.4	0	1	29	00	0	13	9	1	5	0	2	1	0
	2030	3	1010.9	1010.5	..	27.1	23.8	22.1	26.9	75	..	2.4	..	3.5	0	0	19	00	3	8	1	0	0	2	5	12	0
	2330	3	1010.9	1010.5	..	25.7	23.4	22.2	26.9	81	..	2.0	..	1.9	0	0	14	00	5	2	0	0	0	1	6	17	0
KAKINADA	0830	8	1011.8	1010.9	+1.4	28.3	24.5	22.6	27.6	72	- 6	3.2	-1.3	8.5	0	0	31	07	12	0	0	0	7	1	4	0	0
	1730	8	1008.7	1007.8	+1.4	29.1	24.9	22.3	28.3	68	- 6	3.6	-1.2	12.3	0	3	28	00	8	6	12	0	5	0	0	0	0
NIDADAVOLE	0830	12	1012.1	1010.7	+1.8	26.5	23.7	22.3	26.9	78	- 8	3.0	-2.7	4.0	0	0	31	13	6	1	0	0	1	6	4	0	0
	1730	12	1008.7	1007.3	+1.6	28.7	24.2	21.9	26.6	67	-12	4.6	-2.0	4.0	0	0	31	00	2	18	1	4	2	4	0	0	0
KENTACHINTALA	0830	106	1012.1	1000.1	+1.8	27.3	22.7	20.4	23.8	68	- 8	3.9	-0.9	1.2	0	0	23	00	0	0	0	0	0	23	0	8	0
	1730	106	1007.9	996.1	+1.5	31.6	22.3	16.7	19.4	42	-15	3.8	-2.0	1.1	0	0	19	00	0	2	0	0	0	17	0	12	0
GANNAVARAM	0230	24	1009.4	1006.6	..	24.3	23.1	22.4	27.3	89	..	2.4	..	4.1	0	1	17	08	1	4	0	0	1	4	0	13	0
	0530	24	1009.9	1007.2	..	23.7	22.6	22.3	26.6	90	..	3.0	..	3.7	0	0	16	06	3	4	0	1	0	2	0	15	0
	0830	24	1011.9	1009.2	+2.0	27.4	23.8	22.0	26.6	73	- 8	3.2	-1.5	9.5	0	2	26	02	3	13	1	0	2	0	7	3	0
	1130	24	1010.9	1008.2	..	30.5	24.5	21.5	25.8	60	..	3.4	..	12.0	0	3	26	01	2	12	8	0	0	3	3	2	0
	1430	24	1008.2	1005.5	..	31.4	24.4	20.7	24.9	55	..	3.7	..	11.5	0	3	28	06	1	11	9	1	1	1	1	0	0
	1730	24	1008.4	1005.7	+1.8	29.3	24.4	21.9	26.6	65	-11	3.9	-1.8	8.6	0	0	30	05	1	6	11	6	0	0	1	1	0
	2030	24	1010.7	1008.0	..	26.3	24.0	22.9	27.9	82	..	2.2	..	4.5	0	0	21	04	2	7	7	1	0	0	0	10	0
	2330	24	1010.8	1008.1	..	25.1	23.4	22.5	27.3	86	..	2.3	..	2.9	0	0	13	05	3	2	0	1	2	0	0	18	0
MASULIPATAM	0830	3	1011.7	1011.4	+1.5	26.7	24.2	23.0	28.3	80	- 3	3.5	-1.0	4.0	0	0	30	07	7	4	0	2	2	3	5	1	0
	1730	3	1008.0	1007.7	+1.0	29.4	24.7	22.4	27.3	67	- 9	4.3	-0.6	4.3	0	0	30	03	1	19	3	0	2	1	1	1	0
ONGOLE	0830	12	1010.9	1009.6	+1.1	28.1	24.7	23.1	28.3	75	+ 1	1.5	-3.5	1.8	0	0	24	05	10	5	0	0	0	4	0	7	0
	1730	12	1007.8	1006.5	+1.4	29.4	25.2	[illegible]	28.4	70	+ 1	1.5	-3.7	1.9	0	0	29	05	9	7	1	3	0	3	1	2	0
NELLORE	0530	20	1009.8	1007.5	..	24.4	23.5	23.1	28.3	92	..	4.7	..	0.7	0	0	7	00	1	1	0	0	2	2	1	24	0
	0830	20	1011.5	1009.3	+1.3	27.6	25.0	23.7	29.5	80	+ 1	5.2	+0.2	4.0	0	0	28	00	6	0	6	0	1	0	15	3	0
	1130	20	1010.8	1008.5	..	30.5	25.7	23.5	29.1	68	..	5.3	..	5.2	0	0	29	01	8	3	3	0	3	1	10	2	0
	1430	20	1008.2	1006.0	..	31.4	25.9	23.3	28.9	64	..	4.7	..	6.8	0	0	31	02	5	6	2	1	4	4	7	0	0
	1730	20	1008.4	1006.2	+1.6	29.3	25.3	23.2	28.9	73	+ 1	5.7	+0.4	7.2	0	0	31	01	14	0	9	0	3	0	4	0	0
	2330	20	1010.7	1008.5	..	26.1	24.4	23.6	29.3	87	..	4.3	..	2.5	0	0	17	06	5	2	0	0	0	2	2	14	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - [illegible]

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or 1 km in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TELANGANA																											
RAMGUNDAM	0830	156	1012.2	994.5	+1.9	25.8	22.1	20.1	23.5	71	-5	3.3	-0.7	2.3	0	0	19	06	5	3	0	1	0	2	2	12	0
	1730	156	1008.0	990.7	+1.6	32.1	22.7	17.4	20.0	44	-14	2.1	-2.5	2.9	0	0	30	07	15	6	0	1	0	1	0	1	0
NIZAMABAD	0830	381	1012.3	969.8	+1.6	26.0	21.0	17.9	20.8	62	-10	0.9	-2.1	0.5	0	0	7	00	0	2	0	2	2	0	1	24	0
	1730	381	1007.8	966.0	+1.3	30.3	21.8	16.2	19.3	44	-9	0.9	-3.4	0.6	0	0	7	00	3	2	0	1	0	0	1	24	0
HANAMKONDA	0830	269	1012.0	981.7	+1.1	25.2	22.0	20.2	23.8	75	+0	0.8	-2.5	1.3	0	0	21	08	0	0	0	9	1	3	0	10	0
	1730	269	1008.9	979.2	+2.0	30.2	22.4	17.8	20.8	50	-6	0.9	-2.6	2.0	0	0	31	18	7	3	0	2	0	0	1	0	0
HAKIMPET AERODROME	0530	613	1010.6	942.3	..	20.8	19.0	17.3	20.6	77	..	2.5	..	4.8	0	1	18	01	1	5	6	0	1	4	1	12	0
	0830	613	1011.5	943.9	..	25.0	20.6	17.6	21.1	68	..	2.8	..	8.4	0	1	23	03	1	3	10	2	0	2	3	7	0
	1130	613	1010.3	943.5	..	28.6	20.9	16.3	19.0	49	..	3.1	..	14.9	0	6	24	04	7	11	5	0	0	2	1	1	0
	1730	613	1008.0	941.2	..	27.8	20.1	15.4	17.8	47	..	3.5	..	10.8	0	0	31	06	8	13	1	0	0	2	1	0	0
	2330	613	1011.0	943.0	..	23.0	19.2	17.1	19.5	69	..	2.5	..	4.4	0	0	20	01	1	10	3	0	1	1	3	11	0
BHADRACHALLAM	0830	111	1011.6	999.0	+1.1	24.7	22.7	21.6	25.9	83	+0	3.2	-1.8	2.5	0	0	31	00	31	0	0	0	0	0	0	0	0
	1730	111	1007.8	995.4	+1.1	30.1	24.0	21.0	24.7	59	-11	3.6	-2.1	2.9	0	0	31	01	30	0	0	0	0	0	0	0	0
HYDERABAD(BEGAMPET)	0230	545	1010.5	949.4	..	20.7	18.8	17.8	20.2	83	..	2.4	..	2.5	0	0	12	02	2	3	3	0	0	2	0	19	0
	0530	545	1011.2	949.8	..	19.5	18.3	17.6	20.1	89	..	2.3	..	1.8	0	0	11	02	1	5	1	0	0	2	0	20	0
	0830	545	1012.5	951.9	+1.6	23.8	20.2	18.2	21.0	71	-2	2.6	-1.5	6.5	0	0	25	01	1	2	10	3	1	3	4	6	0
	1130	545	1010.5	951.0	..	29.2	20.9	16.1	18.6	47	..	3.4	..	10.8	0	2	26	06	5	9	5	1	1	0	1	3	0
	1730	545	1007.8	948.4	+1.5	28.7	20.3	15.2	17.6	45	-13	3.6	-1.2	7.6	0	0	30	05	7	13	3	0	1	0	1	1	0
	2330	545	1011.6	950.8	..	22.0	19.3	17.7	20.5	77	..	2.2	..	2.7	0	0	18	03	5	1	4	1	2	0	2	13	0
KHAMMAM	0830	112	1012.5	999.4	+1.5	26.3	23.5	22.0	26.6	78	-3	3.1	-1.1	0.8	0	0	5	01	1	0	1	0	0	0	2	26	0
	1730	112	1008.3	995.8	+1.9	30.5	23.0	18.7	22.0	51	-15	3.8	-1.9	0.6	0	0	9	04	0	3	1	0	0	0	1	22	0
MAHBUBNAGAR	0830	505	1011.5	955.5	+1.3	25.7	20.7	18.0	20.8	64	-11	2.0	-2.8	7.1	0	1	27	01	7	13	2	1	1	2	1	3	0
	1730	505	1007.4	952.2	+1.3	28.1	20.2	15.0	17.8	45	-17	4.2	-1.3	5.9	0	0	29	04	11	10	1	0	1	1	1	2	0
RAYALASEEMA																											
KURNOOL	0830	281	1012.4	980.7	+1.6	25.5	21.1	18.7	21.4	67	-7	2.7	-1.7	2.5	0	0	29	00	14	0	5	0	5	0	5	2	0
	1730	281	1007.6	976.6	+1.2	30.5	21.3	15.3	17.8	43	-10	5.1	-0.3	3.2	0	0	22	00	12	0	7	0	0	0	1	9	2
NANDYAL	0830	212	1011.5	987.5	..	25.2	22.1	20.3	24.1	75	..	6.3	..	4.8	0	0	26	09	6	4	3	2	1	0	1	5	0
	1730	212	1007.9	984.4	..	29.3	22.9	19.2	22.7	57	..	4.0	..	6.8	0	0	30	01	3	15	6	3	1	1	0	1	0
ANANTAPUR	0530	350	1010.2	970.5	..	21.7	20.0	19.0	22.1	85	..	3.6	..	1.9	0	0	6	00	0	3	0	1	0	2	0	25	0
	0830	350	1011.9	972.6	+1.6	25.0	21.3	19.2	22.4	71	-5	3.6	-1.5	4.5	0	1	16	01	3	7	0	0	2	2	2	14	0
	1130	350	1010.6	971.9	..	28.8	21.9	17.9	20.5	53	..	3.9	..	7.9	0	0	24	00	12	6	0	0	0	2	4	7	0
	1430	350	1007.2	968.8	..	30.4	22.0	16.9	19.6	46	..	4.0	..	7.3	0	0	25	01	14	5	2	0	0	1	2	6	0
	1730	350	1007.4	968.9	+1.9	29.1	21.9	17.5	20.4	52	-4	4.8	-1.0	9.8	0	2	26	00	11	11	2	0	2	1	1	3	0
	2030	350	1010.2	971.2	..	25.9	21.3	18.6	21.6	65	..	3.5	..	3.8	0	1	9	01	4	3	1	0	0	1	0	21	0
	2330	350	1010.8	971.4	..	24.2	21.0	19.0	22.2	73	..	3.5	..	8.1	0	2	22	01	2	10	8	1	0	2	0	7	0
CUDDAPAH	0830	130	1012.3	997.5	+1.5	25.9	23.3	22.0	26.7	80	+8	3.3	-1.3	0.8	0	0	6	00	0	1	3	0	0	2	0	25	0
	1730	130	1008.2	993.6	+1.5	28.4	24.6	22.7	27.9	72	+7	4.5	-0.9	1.1	0	0	8	00	1	3	4	0	0	0	0	23	0
AROGYAVARAM	0830	701	1011.8	934.0	+0.8	22.7	20.6	19.5	22.7	84	+5	4.9	-1.1	3.8	0	0	25	01	7	1	2	0	2	0	12	6	0
	1730	701	1007.5	931.4	+1.4	25.7	22.4	20.8	24.7	69	+3	5.8	-0.8	6.0	0	0	31	02	10	0	5	0	0	0	14	0	0
MADRAS STATE(INCLUDING PONDICHERRY																											
MADRAS	0830	6	1011.2	1010.5	+1.5	26.6	24.5	23.5	28.9	82	+1	5.5	+0.1	4.1	0	0	23	04	3	0	1	1	2	7	5	8	0
	1730	6	1008.3	1007.6	..	28.0	24.4	22.7	27.6	73	..	5.9	..	5.5	0	0	25	02	18	1	1	2	0	1	0	6	0
MADRAS(MINAMBAKKAM)	0230	16	1009.2	1007.4	..	24.6	23.4	22.8	27.7	90	..	4.9	..	3.2	0	0	15	02	0	1	2	1	2	4	3	16	0
	0530	16	1009.4	1007.6	..	23.9	22.9	22.5	27.1	92	..	5.3	..	3.7	0	0	14	04	0	0	0	1	2	4	3	17	0
	0830	16	1011.5	1009.7	+1.2	26.6	24.1	22.9	27.9	81	+0	5.7	+0.4	6.8	0	0	25	09	1	1	1	3	2	3	5	6	0
	1130	16	1010.7	1009.0	..	29.3	24.4	22.1	26.6	67	..	5.8	..	11.4	0	1	29	12	4	3	2	0	3	3	3	1	0
	1430	16	1008.0	1006.3	..	29.7	24.5	21.9	26.4	64	..	5.8	..	11.5	0	2	29	13	4	6	1	2	1	2	2	0	0
	1730	16	1008.4	1006.7	+1.4	28.1	24.0	21.9	26.6	70	-6	5.9	+0.3	9.2	0	0	28	07	11	6	1	1	1	1	0	3	0
	2030	16	1010.7	1008.9	..	26.2	23.8	22.5	27.6	80	..	4.8	..	5.2	0	0	19	05	4	2	3	2	2	0	1	12	0
	2330	16	1010.8	1009.0	..	25.2	23.5	22.6	27.4	86	..	4.9	..	4.6	0	0	20	06	2	2	1	2	1	6	0	11	0
VELLORE	0530	214	1010.2	985.7	..	22.5	21.5	21.0	24.9	91	..	5.1	..	1.4	0	0	11	04	3	0	0	0	1	1	2	20	0
	0830	214	1012.0	987.7	+1.4	24.8	22.5	21.2	25.3	81	+1	4.5	-0.4	2.1	0	0	16	04	0	0	0	0	1	9	2	15	0
	1130	214	1010.8	987.0	..	29.2	23.9	20.7	25.3	61	..	5.4	..	7.5	0	0	30	02	11	3	1	0	1	8	2	1	2
	1730	214	1008.2	984.3	+1.7	26.5	22.7	19.6	22.9	62	-3	5.4	-0.5	8.0	0	1	27	04	15	4	2	1	1	1	0	3	0
	2330	214	1011.5	987.2	..	24.5	22.4	21.3	25.3	83	..	4.1	..	2.4	0	0	13	01	5	3	0	1	1	2	0	18	0
TAMBARAM AERODROME	0830	29	1011.1	1007.8	..	26.9	25.4	24.7	31.1	88	..	5.6	..	10.2	0	1	25	09	4	0	0	0	3	3	7	5	0
	1730	29	1008.3	1005.1	..	27.7	25.1	23.9	29.7	80	..	5.9	..	16.6	0	11	18	04	13	5	4	1	1	1	0	2	0
TIRUPPATTUR	0830	390	1010.6	966.7	+0.0	23.4	23.0	22.8	27.7	96	+13	7.5	+1.4	3.3	0	0	29	09	0	0	0	20	0	0	0	2	0
	1730	390	1006.2	962.9	-0.3	25.6	24.0	23.3	28.6	87	+16	7.4	+0.8	5.2	0	0	29	12	0	0	0	17	0	0	0	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADRAS STATE (INCLUDING PONDICHERRY)																											
METTUR DAM R.S.	0830		..	..	..	25.6	22.9	21.5	25.6	78	..	5.3	..	3.3	0	0	31	00	15	0	4	0	2	0	10	0	0
	1730		..	..	..	27.3	25.1	24.1	30.0	82	..	7.1	..	4.5	0	0	31	00	5	0	14	0	6	0	6	0	0
CUDDALORE	0530	12	1009.3	1008.0	..	24.3	23.7	23.4	28.8	95	..	5.5	..	1.5	0	0	6	02	0	0	0	1	3	0	0	25	0
	0830	12	1011.4	1009.9	+0.8	26.2	24.5	23.7	29.3	88	+ 7	6.4	+1.1	5.9	0	0	30	05	7	0	1	1	7	1	8	1	0
	1130	12	1010.6	1009.3	..	28.9	25.3	24.3	29.3	75	..	6.0	..	7.5	0	1	28	06	9	3	0	1	7	0	3	2	0
	1430	12	1007.9	1006.6	..	29.1	25.6	24.0	30.1	75	..	6.3	..	8.1	0	0	31	02	14	4	7	0	1	1	2	0	0
	1730	12	1008.0	1006.8	+1.1	27.6	25.3	24.2	30.4	81	+ 6	5.7	+0.1	6.8	0	0	30	13	4	9	1	0	2	0	1	1	0
	2330	12	1010.7	1009.4	..	25.6	24.4	23.8	29.7	90	..	4.9	..	4.6	0	1	17	03	6	1	2	0	3	1	2	13	0
KALLAKKURICHCHI	0830	127	1011.3	996.9	+1.4	26.0	24.4	23.7	29.3	88	+10	4.7	+0.0	4.6	0	0	19	04	1	0	1	0	1	1	11	12	0
	1730	127	1007.6	993.3	+1.4	28.3	25.5	24.4	30.4	80	+15	5.8	+0.1	6.3	0	0	29	08	11	1	2	0	3	0	4	2	0
SALEM	0530	278	1009.5	977.8	..	23.0	21.2	21.8	23.7	84	..	5.3	..	0.8	0	0	8	00	2	6	0	0	0	0	0	23	0
	0830	278	1011.4	980.2	+0.8	25.5	22.2	20.3	24.1	74	- 6	5.1	-0.1	1.0	0	0	8	01	0	1	0	0	4	1	0	23	1
	1130	278	1010.2	979.5	..	29.5	23.1	19.7	22.9	57	..	5.6	..	5.5	0	0	27	02	3	8	0	1	2	6	2	4	3
	1730	278	1007.1	976.4	+1.0	30.4	22.6	19.0	21.0	56	- 6	6.2	+0.2	2.0	0	0	15	00	4	2	2	1	0	2	0	16	4
	2330	278	1010.8	979.5	..	25.0	22.1	20.5	24.1	76	..	6.3	..	3.8	0	0	15	00	3	8	0	1	1	1	0	16	1
COIMBATORE (PILAMEDU)	0530	399	1010.1	965.2	..	22.3	21.8	21.4	25.6	96	..	4.4	..	5.2	0	3	7	00	1	3	0	2	3	0	1	21	0
	0830	399	1011.8	967.2	+1.3	24.6	22.7	21.7	25.9	84	+ 3	5.0	-0.3	9.8	0	2	18	00	6	5	0	3	4	1	1	11	0
	1130	399	1010.2	966.3	..	29.0	24.0	21.5	25.8	67	..	5.0	..	14.1	0	10	15	01	6	10	1	3	3	1	0	6	0
	1430	399	1006.9	963.2	..	30.5	24.6	21.5	25.9	60	..	5.6	..	16.6	0	12	14	00	4	9	1	2	7	3	0	5	0
	1730	399	1007.4	963.6	+1.3	28.0	23.9	21.5	26.3	68	+ 1	6.0	+0.0	19.0	0	14	14	01	3	9	2	4	8	1	0	3	0
	2330	399	1010.5	965.9	..	25.0	23.0	21.9	26.4	84	..	5.4	..	14.2	0	9	14	01	1	2	3	6	9	1	0	8	0
COIMBATORE	0830	409	1011.5	965.9	+0.8	25.2	21.9	20.2	23.5	74	- 4	5.3	-0.2	4.6	0	0	31	02	10	0	2	0	16	1	0	0	0
NAGAPATTINAM	0830	9	1011.4	1010.3	+0.8	26.4	24.4	23.5	28.9	84	+ 5	6.4	+0.9	9.2	0	2	27	05	7	1	0	1	5	7	3	2	0
	1730	9	1008.1	1007.0	+0.9	28.3	25.1	23.7	29.3	76	+ 1	6.3	+0.9	15.1	0	7	23	03	13	1	3	1	5	0	4	1	0
TIRUCHCHIRAPPALLI	0230	88	1009.0	999.0	..	24.3	23.1	22.5	27.3	90	..	6.3	..	8.5	0	3	23	05	5	0	0	1	0	8	7	5	0
	0530	88	1009.1	999.0	..	24.0	22.8	22.2	26.7	90	..	6.1	..	10.3	0	3	26	06	5	0	0	0	1	13	4	2	0
	0830	88	1011.1	1001.2	+0.7	26.0	23.4	22.1	26.6	80	+ 1	6.1	+0.8	16.1	0	9	20	08	3	0	0	0	2	13	3	2	0
	1130	88	1010.3	1000.4	..	29.1	24.3	22.1	26.4	66	..	6.0	..	18.7	0	12	18	03	10	0	0	1	2	11	3	1	0
	1430	88	1007.3	997.5	..	30.2	24.3	21.3	25.6	60	..	6.4	..	17.5	0	10	21	06	8	2	1	3	2	5	4	0	0
	1730	88	1007.6	997.7	+1.1	28.3	24.0	21.9	26.3	70	+ 7	6.8	+0.8	13.2	0	6	25	03	8	8	2	3	3	3	1	0	0
	2030	88	1010.3	1000.3	..	26.0	23.9	22.9	27.9	83	..	6.2	..	11.2	0	3	27	02	6	6	5	3	2	4	2	1	0
	2330	88	1010.8	1000.7	..	24.8	23.3	22.6	27.3	88	..	6.2	..	8.6	0	1	27	02	9	0	1	4	3	3	6	3	0
VEDARANNIYAM	0830	4	1011.2	1010.7	..	27.0	25.0	23.9	30.0	84	..	6.0	..	2.5	0	0	24	03	6	0	0	1	7	4	2	7	1
	1730	4	1008.1	1007.6	..	28.2	25.2	24.0	29.7	78	..	6.1	..	2.9	0	0	30	06	6	1	2	4	9	0	2	1	0
ATIRAMPATTINAM	0830	6	1011.1	1010.4	..	27.0	24.7	23.6	29.3	82	..	5.5	..	6.3	0	1	27	06	8	1	0	1	2	3	7	2	0
	1730	6	1007.8	1007.1	..	28.0	25.1	24.0	29.5	79	..	6.1	..	11.1	0	4	25	05	6	5	3	5	4	0	1	0	0
MADURAI	0830	133	1011.5	996.4	+1.0	26.4	23.4	21.9	26.3	77	+ 4	4.7	-0.8	5.1	0	0	31	10	4	1	0	0	0	6	10	0	0
MADURAI AERODROME	0530	131	1009.1	994.1	..	23.9	22.5	21.8	26.1	88	..	4.5	..	4.9	0	0	18	07	3	0	1	0	0	0	7	13	0
	0830	131	1011.2	996.3	+0.7	26.2	23.3	21.8	26.3	77	+ 2	5.6	+0.5	8.1	0	2	22	11	3	1	0	0	0	2	7	7	0
	1130	131	1010.2	995.5	..	29.2	23.9	21.2	25.3	63	..	5.6	..	10.5	0	4	24	07	9	1	1	1	3	1	5	3	0
	1730	131	1007.5	992.8	+0.8	28.0	23.7	21.6	25.8	70	+ 6	6.7	+0.6	15.9	0	12	16	02	13	4	7	2	0	0	0	3	0
TONDI	0830	5	1011.5	1010.9	+1.1	26.6	24.2	23.1	28.3	82	+ 0	5.3	-0.1	3.9	0	0	17	05	7	0	1	1	1	0	2	14	0
	1730	5	1008.2	1007.6	+1.1	28.3	24.9	23.3	28.3	74	- 5	5.2	-0.6	16.6	0	13	14	04	5	2	8	8	0	0	0	4	0
PAMBAN	0830	11	1011.1	1009.8	+0.6	27.3	25.3	24.4	30.5	84	+ 3	5.4	+0.9	15.6	1	5	25	07	4	3	4	3	5	4	1	0	0
	1730	11	1008.2	1006.9	+0.9	27.7	25.6	24.9	31.1	84	+ 2	5.8	+0.8	16.0	0	12	19	05	7	1	2	7	6	0	3	0	0
TUTICORIN	0830	4	1011.6	1011.2	+1.1	27.7	23.9	22.0	26.6	72	+ 3	3.9	+0.1	10.0	0	2	29	06	6	1	3	0	3	7	5	0	0
	1730	4	1007.9	1007.5	+0.8	29.0	24.8	22.8	27.9	71	+ 2	5.2	+1.2	14.5	0	8	23	00	2	7	2	10	3	4	3	0	0
PALAYANKOTTAI	0830	51	1011.9	1006.2	+1.6	27.8	23.5	21.3	25.3	70	+ 1	5.5	+0.7	8.1	0	0	29	07	4	4	1	1	0	11	1	2	0
	1730	51	1007.7	1002.1	+1.1	28.7	24.0	21.4	25.9	68	+ 5	6.4	+0.0	10.6	0	8	19	07	1	6	1	3	0	9	0	4	0
KANNIYAKUMARI	0830	37	1011.3	1007.2	..	26.7	23.9	22.6	27.4	79	..	5.4	..	12.1	0	4	27	03	7	2	0	0	3	10	6	0	0
	1730	37	1008.5	1004.4	..	27.4	24.4	23.1	28.1	78	..	6.2	..	11.6	0	5	26	01	3	5	1	0	8	10	3	0	0
PONDICHERRY	0830	6	(R)																								
	1730	6	(R)																								
COASTAL MYSORE																											
KARWAR	0830	4	1012.0	1011.5	+1.4	25.5	23.6	22.6	27.6	84	- 3	5.5	+0.2	3.0	0	0	31	03	8	13	1	0	3	0	3	0	0
	1730	4	1008.3	1007.8	+0.6	29.4	25.5	23.8	29.3	72	- 7	5.3	-0.1	6.0	0	0	31	06	0	0	1	1	1	3	19	0	0
HONAVAR	0830	26	1011.5	1008.5	+0.3	24.9	22.6	21.4	25.6	81	- 4	4.7	-0.7	2.8	0	0	27	00	4	19	2	1	0	0	1	4	0
	1730	26	1008.5	1005.5	+0.4	29.3	25.1	23.1	28.4	70	- 9	5.4	-0.3	3.5	0	0	30	00	0	1	0	7	1	15	6	1	0
MANGALORE (BAJPE)	0230	102	1009.5	997.9	..	24.0	23.1	22.6	27.6	92	..	4.9	..	3.4	0	0	11	02	1	7	0	1	0	0	0	20	0
	0530	102	1009.6	998.0	..	23.3	22.6	22.2	26.9	94	..	4.2	..	4.4	0	0	16	02	1	9	3	0	0	1	0	15	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in ppm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
IASTAL MYSORE (CONTD.)																											
MANGALORE(BAJPE)	0830	102	1011.5	1000.0	+0.6	26.0	23.8	22.8	27.7	83	- 6	4.7	-1.0	7.3	0	0	24	00	4	15	4	0	0	0	0	7	1
	1130	102	1010.9	999.6	..	30.1	24.3	21.5	25.6	61	..	5.0	..	8.8	0	0	25	00	0	5	6	3	1	4	4	6	2
	1430	102	1008.2	996.8	..	30.3	24.9	22.2	27.1	63	..	4.6	..	18.6	0	11	20	00	0	0	0	1	8	17	5	0	0
	1730	102	1008.2	996.8	+0.3	28.4	24.5	22.6	27.6	72	- 9	5.3	-1.0	15.3	0	3	28	00	0	1	0	0	8	14	8	0	0
	2030	102	1010.5	998.9	..	26.0	24.1	23.1	28.6	84	..	4.3	..	3.9	0	0	15	03	0	3	0	1	0	1	7	16	0
	2330	102	1010.9	999.4	..	25.2	23.7	23.1	27.9	88	..	4.7	..	2.3	0	0	9	02	2	4	1	0	0	0	0	22	0
MANGALORE	0830	22	1011.5	1009.1	+0.6	26.4	23.7	22.4	27.1	79	- 6	3.5	-1.9	2.5	0	0	31	01	5	17	7	1	0	0	0	0	0
	1730	22	1008.4	1005.9	+0.4	28.9	25.2	23.4	28.9	73	- 6	4.4	-1.6	4.2	0	0	31	00	0	0	0	1	14	7	7	0	2
ITERIOR MYSORE, NORTH																											
BIDAR	0830	664	1011.9	938.7	+1.8	24.2	19.2	16.2	18.5	61	- 9	2.4	-1.7	10.0	0	2	28	01	0	11	4	2	7	1	4	1	0
	1730	664	1007.4	935.6	+1.7	28.5	18.7	12.7	14.8	42	-12	3.9	-0.9	12.1	0	5	24	02	18	4	2	0	2	1	0	2	0
GULBARGA	0830	458	1012.2	961.2	+1.4	24.9	20.0	16.7	19.7	62	- 6	3.2	-0.4	7.7	0	0	15	00	0	8	0	0	1	2	4	16	0
	1730	458	1006.9	954.3	-1.7	30.3	19.9	12.9	15.6	39	- 9	4.6	-0.1	7.5	0	0	25	02	5	14	0	0	0	1	3	6	0
BIJAPUR	0830	594	1012.8	946.4	+1.2	22.7	19.0	16.6	19.3	70	+ 0	3.6	-0.3	4.1	0	0	24	05	4	1	6	3	3	1	1	7	0
	1730	594	1006.5	942.2	+0.7	29.6	20.2	14.2	16.8	41	- 8	5.3	+0.4	3.0	0	0	29	06	14	1	7	1	0	0	0	2	0
RAICHUR	0830	400	1012.0	967.5	+1.4	25.7	20.6	17.6	20.1	65	- 6	4.1	+0.3	4.9	0	0	29	00	13	0	5	3	4	1	3	2	0
	1730	400	1007.3	963.5	+1.1	30.0	20.4	13.6	16.2	41	- 8	5.1	+0.3	5.6	0	0	30	00	23	0	3	0	1	0	3	1	0
BELGAUM	0830	753	1012.5	929.7	+1.4	22.8	20.8	18.6	23.1	78	- 3	2.7	-1.2	1.9	0	0	12	00	0	6	1	1	0	3	1	19	0
	1730	753	1007.3	926.0	+0.5	27.0	22.0	19.5	22.8	65	+ 1	4.6	-0.5	3.0	0	0	20	01	0	10	0	4	0	4	1	11	0
BELGAUM(SAMRA)	0530	747	1011.1	927.9	..	18.9	17.4	16.4	18.8	86	..	2.3	..	1.4	0	0	8	00	3	1	0	1	1	1	1	23	0
	0830	747	1011.9	929.7	+1.1	23.1	19.2	16.9	19.5	70	-11	3.3	-1.8	4.9	0	1	16	02	4	5	2	0	2	1	1	14	0
	1130	747	1010.5	929.4	..	27.0	19.4	14.4	16.9	48	..	3.9	..	10.8	0	5	23	05	7	8	4	1	1	1	1	3	0
	1430	747	1007.0	926.7	..	28.9	19.4	13.1	15.6	41	..	4.4	..	9.4	0	1	29	07	9	9	2	0	1	1	1	1	0
	1730	747	1007.1	926.4	+0.6	27.5	19.5	14.4	16.7	48	-20	4.4	-1.2	7.5	0	1	26	05	10	3	3	1	1	3	1	4	0
	2030	747	1010.7	928.6	..	23.0	19.3	16.9	19.7	71	..	3.6	..	3.7	0	0	18	00	1	1	1	0	5	9	1	13	0
GADAG	0530	650	1010.8	938.3	..	20.6	19.0	17.7	20.8	85	..	2.3	..	4.0	0	0	20	00	1	8	0	0	3	6	0	11	2
	0830	650	1011.7	940.0	+0.8	22.7	20.4	18.9	22.4	81	+ 6	3.0	-1.7	4.2	0	0	27	00	1	12	1	0	1	8	3	4	1
	1130	650	1010.2	939.7	..	28.8	21.9	18.2	21.3	55	..	3.5	..	7.3	0	0	26	01	2	16	0	0	1	3	2	5	1
	1430	650	1006.9	937.0	..	30.2	21.7	16.8	19.7	48	..	4.1	..	6.4	0	0	26	04	3	12	0	0	3	0	1	5	3
	1730	650	1006.5	936.7	+0.9	28.6	21.0	16.1	19.3	52	- 5	4.4	-1.0	4.8	0	0	30	02	6	12	0	0	3	3	2	1	2
	2030	650	1010.4	938.9	..	24.7	20.0	17.2	20.0	66	..	2.4	..	5.0	0	0	20	00	1	11	1	1	3	1	1	11	1
	2330	650	1011.3	939.3	..	22.8	19.6	17.6	20.5	71	..	2.5	..	7.4	0	0	28	00	0	15	3	0	2	8	0	3	0
NTERIOR MYSORE, SOUTH																											
BELLARY	0830	449	1010.7	960.5	-0.1	24.3	21.2	19.4	22.7	75	+ 2	3.3	-1.6	6.1	0	0	24	00	0	1	13	0	2	0	8	7	0
	1730	449	1006.8	957.8	+1.0	29.3	22.0	17.4	20.5	52	- 1	4.3	-1.0	9.0	0	0	30	00	0	4	20	0	1	0	5	1	0
CHITRADURGA	0830	733	1011.9	930.9	+0.9	22.1	19.3	17.7	20.2	78	- 1	3.6	-1.6	5.0	0	0	26	00	0	13	0	0	1	12	0	5	0
	1730	733	1006.8	927.6	+1.0	27.2	19.5	14.8	17.0	49	- 6	3.3	-2.2	6.6	0	0	28	02	3	18	0	0	1	4	0	3	0
SHIMOGA	0830	571	1011.6	948.1	+0.8	22.3	20.0	18.6	21.7	77	- 9	5.8	-0.1	0.9	0	0	12	00	0	4	0	0	0	7	1	19	0
	1730	571	1007.0	944.6	+0.8	27.0	20.9	16.9	20.2	53	-17	5.6	-0.1	1.4	0	0	17	01	5	4	1	1	1	3	1	14	0
AGUMBE	0830		..	..	..	21.8	19.9	18.9	21.8	84	..	.	..	7.0	0	1	28	00	19	7	0	1	2	0	0	2	0
BALEHONNUR	0830		..	..	..	21.5	19.5	18.3	21.1	80	- 9	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HASSAN	0830	960	1515.4	906.9	+0.6	19.9	18.1	17.0	19.5	84	+ 1	4.7	-0.6	3.7	0	0	20	00	4	9	1	0	1	5	0	11	0
	1730	960	1498.2	903.9	+0.9	26.2	19.2	14.8	17.1	51	-19	5.0	-1.2	3.9	0	0	28	02	7	10	0	0	2	4	3	3	0
BANGALORE	0230	921	1505.4	910.1	..	19.3	17.8	16.9	19.3	86	..	4.3	..	3.3	0	0	18	02	2	10	0	0	0	3	1	13	0
	0830	921	1522.6	911.6	+1.3	21.0	18.5	16.9	19.5	79	- 4	5.1	-1.0	5.7	0	0	29	02	6	9	1	1	5	4	1	2	0
	1130	921	1529.4	911.3	..	25.6	19.3	15.4	17.8	55	..	5.0	..	8.2	0	1	29	03	11	6	1	0	0	4	5	1	0
	1430	921	1512.0	909.3	..	26.8	19.6	15.0	17.5	51	..	5.7	..	7.3	0	0	30	03	12	6	1	0	1	4	3	1	0
	1730	921	1506.7	909.2	+2.0	24.4	19.0	15.5	18.1	61	- 3	6.3	+0.0	4.8	0	0	25	02	10	7	1	0	1	3	0	6	1
	2030	921	1519.6	910.9	..	21.5	18.3	16.3	18.8	74	..	4.1	..	4.7	0	0	25	02	10	9	0	0	1	2	1	6	0
BANGALORE AERODROME	0530	897	1492.7	911.6	..	18.5	17.5	17.0	19.3	91	..	4.4	..	7.7	0	1	26	00	8	8	0	0	0	10	1	4	0
	0830	897	1517.0	913.5	+0.9	21.3	18.6	16.9	19.5	77	- 3	5.3	-0.8	13.0	0	5	25	02	5	11	0	1	2	7	2	1	0
	1130	897	1520.0	912.9	..	25.6	19.0	14.8	17.1	53	..	5.0	..	14.7	0	9	20	03	9	9	0	0	0	3	5	2	0
	1730	897	1496.3	910.6	+1.1	24.6	18.7	14.7	17.3	57	-10	6.0	-0.6	11.9	0	5	24	01	10	6	2	1	0	4	5	2	0
	2330	897	1509.3	912.9	..	20.2	18.3	17.3	19.7	83	..	4.7	..	7.5	0	1	24	00	2	16	3	0	0	3	1	6	0
MYSORE	0830	767	1012.1	927.1	+0.5	22.0	19.1	17.6	20.0	78	- 7	3.8	-1.8	11.3	0	2	29	02	6	4	2	3	6	7	1	0	0
	1730	767	1006.9	924.1	+0.6	26.7	19.5	15.1	17.4	51	-10	4.5	-1.4	12.4	0	5	26	06	8	10	0	2	3	2	0	0	0
ERALA																											
CALICUT	0530	5	1009.8	1009.2	..	24.2	23.6	23.2	28.6	94	..	3.5	..	2.1	0	0	17	00	3	13	0	1	0	0	0	14	0
	0830	5	1011.7	1011.1	+0.5	25.5	24.5	23.5	29.1	84	- 1	3.9	-1.6	2.8	0	0	23	01	0	18	1	0	1	1	1	8	0
	1130	5	1011.3	1010.7	..	28.9	25.3	23.5	29.3	73	..	3.8	..	4.9	0	0	27	00	0	0	0	4	9	11	3	4	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - OCTOBER, 1967. (ASWINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in geom. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed K.m. per hour	No. of observations Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KERALA (CONTD.)																											
CALICUT	1430	5	1008.9	1008.3	..	30.2	26.1	24.3	30.5	71	..	4.1	..	5.4	0	0	28	00	0	0	0	3	10	12	3	3	0
	1730	5	1008.9	1008.3	+0.7	28.6	25.3	23.7	29.7	75	- 3	5.3	-0.8	5.0	0	0	31	00	0	1	0	0	16	13	1	0	0
	2330	5	1011.0	1010.4	..	25.8	24.5	24.0	29.6	89	..	4.3	..	3.4	0	1	20	01	5	13	0	0	0	0	2	10	0
PALGHAT	0830	97	1011.8	1000.8	+0.8	27.2	24.3	22.9	27.9	78	- 7	5.3	-0.5	7.2	0	0	31	00	0	17	1	0	0	13	0	0	0
	1730	97	1007.8	996.9	+0.3	28.7	24.6	22.6	27.6	71	- 6	6.7	+0.2	6.3	0	0	30	00	0	10	0	0	0	20	0	1	0
FORT COCHIN	0830	3	1011.6	1011.3	+0.2	27.0	24.8	23.7	29.5	82	- 1	6.8	+0.8	3.6	0	0	26	01	8	10	2	1	1	1	2	5	0
	1730	3	1008.7	1008.4	+0.5	27.9	25.1	23.9	29.5	79	- 1	6.9	+0.2	7.2	0	1	29	01	0	0	2	0	10	9	8	1	0
COCHIN(NAVAL AIR STATION)	0230	3	1010.0	1009.7	..	24.8	24.1	23.8	29.3	95	..	6.2	..	1.9	0	0	8	01	2	1	3	0	0	1	0	23	0
	0530	3	1010.0	1009.7	..	24.2	23.6	23.3	28.6	95	..	5.6	..	1.4	0	0	8	00	2	4	1	1	0	0	0	23	0
	0830	3	1012.0	1011.7	..	26.7	24.7	23.7	29.5	84	..	5.5	..	3.4	0	0	17	00	5	7	5	0	0	0	0	14	0
	1130	3	1011.8	1011.5	..	29.2	25.2	24.1	28.8	71	..	5.6	..	8.2	0	0	29	04	0	0	1	4	9	4	7	2	0
	1730	3	1009.0	1008.7	..	28.0	25.0	23.7	29.3	77	..	6.0	..	9.4	0	0	28	00	0	0	2	1	11	11	3	3	0
	2330	3	1011.7	1011.4	..	25.6	24.1	23.9	28.9	91	..	6.3	..	1.3	0	0	6	00	0	3	2	0	0	0	1	25	0
ALLEPPEY	0830	4	1011.6	1011.2	+0.7	26.8	25.0	24.2	30.2	86	+ 1	5.6	-0.6	8.3	0	1	26	01	10	5	10	0	0	0	1	4	0
PUNALUR	1730	4	1008.7	1008.3	+0.7	28.3	25.2	23.9	29.7	77	- 4	6.0	-0.4	17.8	0	12	19	00	1	0	0	0	2	8	20	0	0
	0830	34	1011.8	1008.1	+1.0	24.7	23.7	23.3	28.4	91	+ 0	6.0	+0.6	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	34	1008.4	1004.6	+0.5	27.8	24.6	23.1	28.3	77	- 1	7.5	+1.2	3.0	0	0	18	00	0	0	1	0	6	9	2	3	0
TRIVANDRUM	0230	64	1009.4	1002.1	..	23.7	23.4	23.2	28.6	95	..	5.3	..	2.6	0	0	13	06	2	0	1	0	0	0	4	18	0
	0530	64	1009.7	1002.3	..	23.5	23.1	22.9	27.9	96	..	5.5	..	2.5	0	0	12	02	6	0	1	0	0	0	3	19	0
	0830	64	1011.7	1004.4	+0.3	25.5	24.2	23.6	29.3	89	+ 2	5.2	-0.2	3.2	0	0	20	11	5	1	0	0	0	0	3	11	0
	1130	64	1011.0	1003.8	..	28.4	24.7	23.0	27.9	73	..	6.1	..	7.8	0	0	27	04	0	1	1	0	3	8	10	4	0
	1430	64	1008.5	1001.3	..	28.1	24.8	23.2	28.6	75	..	5.9	..	10.5	0	2	26	02	0	1	1	0	3	13	8	3	0
	1730	64	1008.9	1001.6	+0.4	26.6	24.3	23.2	28.6	82	+ 2	6.5	+0.1	8.5	0	0	29	02	0	1	1	1	4	11	9	2	0
	2030	64	1011.1	1003.8	..	25.3	24.1	23.5	28.9	90	..	6.0	..	5.9	0	0	26	04	2	1	2	1	1	7	8	5	0
	2330	64	1011.3	1003.9	..	24.6	23.8	23.4	28.8	93	..	6.1	..	3.5	0	0	20	06	4	1	1	0	0	1	7	1	0
TRIVANDRUM AERODROME	0830		1011.9	1011.0	+0.7	26.5	24.4	23.4	28.9	84	+ 4	6.0	+0.6	8.1	0	3	18	10	5	4	0	0	0	1	1	10	0
ARABIAN SEA ISLANDS																											
AMINI	0530	4	1008.8	1008.4	..	26.2	24.4	23.5	29.1	85	..	4.7	..	9.0	0	3	18	07	1	0	0	0	1	6	6	10	0
	0830	4	1011.0	1010.5	+0.0	27.5	25.1	24.0	29.8	81	+.1	5.4	+0.2	7.7	0	3	16	07	3	0	0	1	0	6	2	12	0
	1130	4	1011.1	1010.7	..	29.5	25.7	24.2	29.8	73	..	5.2	..	9.2	0	3	23	11	3	1	1	1	1	3	5	5	0
	1730	4	1008.2	1007.8	..	28.9	25.5	24.0	29.7	75	..	5.4	..	9.6	0	5	18	08	1	0	0	1	2	7	4	8	0
	2330	4	1010.5	1010.0	..	26.5	24.6	23.7	29.3	84	..	4.3	..	7.7	0	4	15	05	1	0	0	0	2	4	7	12	0
AGATTI	0830	4	1011.0	1010.4	..	27.5	25.1	23.8	29.8	80	..	5.7	..	6.3	0	0	28	08	4	0	1	0	0	6	9	3	0
	1730	4	1008.7	1008.2	..	28.6	25.4	24.0	29.8	76	..	5.6	..	7.4	0	0	30	08	4	0	1	0	1	4	12	1	0
ANDROTH	0830	5	1011.9	1011.4	..	27.0	24.9	24.1	29.7	84	..	6.1	..	1.9	0	0	16	05	4	0	0	0	1	0	4	15	2
	1730	5	1008.4	1007.9	..	28.2	25.6	24.4	30.7	80	..	6.3	..	2.3	0	0	19	03	3	0	0	0	1	0	7	12	5
MINICOY	0530	2	1009.7	1009.5	..	25.3	23.5	22.5	27.4	85	..	5.2	..	3.9	0	0	18	02	2	1	0	0	2	5	6	13	0
	0830	2	1011.9	1011.7	+0.5	27.1	24.5	23.4	28.6	81	+ 2	5.7	+0.5	4.7	0	0	23	03	2	1	1	2	3	5	6	8	0
	1130	2	1011.9	1011.7	..	28.8	25.2	23.5	29.1	74	..	5.8	..	7.4	0	0	28	04	3	1	1	0	1	9	9	3	0
	1430	2	1009.5	1009.3	..	29.0	25.2	23.5	28.9	73	..	5.7	..	7.7	0	0	30	05	2	0	1	1	1	8	12	1	0
	1730	2	1009.2	1009.0	+0.5	27.8	24.7	23.2	28.6	75	- 3	6.2	+0.6	6.3	0	1	25	06	0	0	1	1	0	9	9	5	0
	2030	2	1010.9	1010.7	..	26.4	24.0	22.9	28.3	81	..	5.0	..	5.7	0	1	23	07	1	0	1	0	1	9	5	7	0
	2330	2	1011.4	1011.2	..	26.0	23.9	22.9	27.9	83	..	5.5	..	6.8	0	0	23	07	1	0	0	0	2	10	3	8	0
HILL STATIONS(EXCLUDING KASHMIR)																											
DALHOUSIE	0830	1959	1460.4	801.9	+1.1	14.7	6.6	3.5	7.9	49	-15	1.7	+0.6	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1959	1452.6	801.3	+1.3	16.5	12.2	8.8	11.3	62	- 1	2.7	+1.6	..	.	..	..	..	..	..	..	..	..	..	..	..	..
DHARMASALA	0830	1211	1560.2	885.5	+1.2	20.3	13.5	7.6	10.4	45	-10	1.6	+0.3	1.2	0	0	23	04	11	3	2	0	1	2	0	8	0
	1730	1211	1545.4	883.9	+0.8	22.1	15.3	10.0	12.3	47	-10	2.6	+0.6	1.1	0	0	28	00	0	0	1	3	15	9	0	3	0
BHUNTAR	0830	1096	1532.2	895.7	..	12.0	10.0	8.1	10.8	77	..	1.4	..	1.7	0	0	14	05	3	2	3	0	0	0	1	17	0
	1130	1096	1527.1	893.7	..	20.3	13.4	7.6	10.4	45	..	2.0	..	4.2	0	0	25	01	2	6	3	9	3	0	1	6	0
	1730	1096	1499.9	890.9	..	20.6	13.6	7.6	10.4	44	..	2.7	..	7.9	0	5	22	04	0	0	6	8	3	4	2	4	0
SIMLA	0830	2202	1508.5	783.7	-0.6	14.1	7.3	- 0.7	5.8	38	- 9	1.1	-0.2	1.7	0	0	26	03	2	0	13	0	4	0	4	5	0
	1730	2202	1495.7	782.5	-0.4	13.7	8.9	4.7	8.5	55	- 4	1.8	-0.3	1.2	0	0	15	00	0	0	9	1	4	0	1	16	0
GHANGARIA (KANJALIA TOK)	0830		..	..	..	1.8	0.3	- 1.9	5.2	76	..	0.1	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BADRINATH	0830		(R)																								
JOSHIMATH	0830		..	..	+ ..	13.3	9.4	6.0	9.3	62	- 4	0.5	-1.4	5.4	0	0	31	00	0	23	2	5	1	0	0	0	0
	1730		..	..	+ .	15.8	11.5	7.3	10.2	55	- 7	2.6	-1.3	3.5	0	0	31	00	2	3	5	5	8	6	2	0	0
MUSSOORIE	0830	2042	1509.2	798.6	-1.2	14.6	9.2	4.1	8.2	53	-10	1.1	-0.5	0.8	0	0	10	03	3	0	1	2	0	0	1	21	0
	1730	2042	1493.0	797.1	-1.4	14.5	11.1	8.8	11.3	69	- 9	2.2	-0.5	2.5	0	0	26	02	1	0	8	12	3	0	0	5	0
MUKTESWAR(KUMAUN)	0830	2311	3160.0	775.3	+0.9	12.9	7.9	2.2	7.2	50	- 8	0.8	-0.6	6.0	0	0	28	00	4	5	1	0	3	9	6	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of normal standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 63 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HILL STATIONS(EXCLUDING KASHMIR)																											
MUKTESWAR(KUMAUN)	1730	2311	3141.9	773.5	+0.8	13.0	9.7	6.7	9.8	67	- 3	1.4	-0.7	12.5	0	4	26	00	1	0	1	0	5	15	8	1	0
NAINITAL	0830	1953	1512.4	807.4	+1.0	15.3	9.2	2.8	7.5	45	-14	0.6	-1.3	4.0	0	0	20	00	10	3	2	0	0	3	2	11	0
	1730	1953	1485.9	804.7	+0.0	14.7	10.2	6.2	9.5	58	-16	0.6	-1.7	6.3	0	0	31	01	0	1	1	3	3	22	0	0	0
KALIMPONG	0830	1209	1502.8	879.8	-0.2	18.1	16.1	14.8	16.8	80	- 2	0.8	-1.9	6.8	0	0	31	00	2	0	1	0	0	0	28	0	0
	1730	1209	1468.0	876.1	-1.3	19.4	17.4	16.2	18.4	81	- 4	0.9	-2.4	6.4	0	0	31	00	0	0	31	0	0	0	0	0	0
DARJEELING	0830	2128	1532.4	793.1	-0.6	15.1	13.8	12.9	14.9	87	+12	3.1	-1.2	0.8	0	0	6	06	0	0	0	0	0	0	0	25	0
	1730	2128	1513.3	791.1	-0.1	13.5	12.4	11.7	13.7	89	+ 0	4.4	-1.1	1.0	0	0	7	01	0	0	0	0	6	0	0	24	0
KOHIMA	0830	1406	(R)																								
	1730	1406	(R)																								
SHILLONG(C.S.O.)	0830	1598	1519.5	842.5	+1.2	18.6	14.8	12.3	14.3	66	- 5	3.1	-0.5	4.1	0	0	26	00	4	7	1	0	2	8	4	5	0
	1730	1598	1494.0	839.9	+1.3	16.[illegible]	15.7	15.1	17.1	89	+ 2	5.0	-1.5	1.5	0	0	14	00	1	4	3	0	2	3	1	17	0
CHERRAPUNJI	0830	1313	1520.2	870.8	+0.0	20.1	16.4	13.9	15.9	70	- 5	2.5	-1.5	5.3	0	0	31	00	20	0	2	0	9	0	0	0	0
	1730	1313	1506.5	869.4	+1.4	20.4	17.0	14.9	16.9	71	-16	2.2	-1.7	5.9	0	0	31	00	21	0	1	0	9	0	0	0	0
ABU	0830	1195	1528.7	883.7	+0.8	22.0	14.4	8.0	10.7	41	- 7	0.1	-0.9	0.2	0	0	2	00	0	0	0	1	1	0	0	29	0
	1730	1195	1515.9	881.9	+0.9	24.8	16.0	8.6	11.2	37	- 5	0.1	-1.5	0.8	0	0	7	00	0	0	0	1	6	0	0	24	0
AIJAL	0830	1097	(R)																								
	1730	1097	(R)																								
PACHMARHI	0830	1075	1534.2	896.4	+1.1	22.4	15.9	11.1	13.4	50	-14	1.3	-1.5	1.9	0	0	20	01	6	1	0	3	1	2	6	11	0
	1730	1075	1512.4	893.7	+0.7	25.0	16.6	10.3	12.8	41	-15	2.0	-1.2	2.1	0	0	23	00	15	1	0	0	0	2	5	8	0
MAHABALESHWAR	0830	1382	1526.0	864.5	+0.9	19.3	15.3	12.2	14.5	66	- 9	1.3	-2.5	10.0	0	0	31	00	20	1	4	0	0	0	6	0	0
	1730	1382	1509.0	862.8	+1.2	22.5	18.2	15.5	17.8	63	-15	1.7	-2.9	9.5	0	0	31	00	13	0	3	0	0	0	15	0	0
MERCARA	0830	1152	1512.8	886.6	+0.7	19.5	17.0	15.4	17.6	79	-10	4.7	+0.0	13.2	0	8	20	07	10	0	0	0	0	3	8	3	0
	1730	1152	1493.0	884.2	+0.7	22.3	18.5	16.1	18.4	70	-15	5.9	+0.7	8.6	0	0	29	06	10	0	0	0	0	8	5	2	0
OOTACAMUND	0830	2249	1519.8	780.6	+0.9	12.9	11.3	10.2	12.3	83	- 3	4.6	+0.1	1.7	0	0	15	02	7	2	0	0	1	3	0	16	0
	1730	2249	1490.1	778.3	+0.4	14.9	12.7	11.1	13.2	79	- 6	5.6	-0.7	1.0	0	0	11	01	5	2	0	0	0	3	0	20	0
COONOOR	0830		..	..	..	17.9	14.9	12.8	15.1	74	- 2	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KODAIKANAL	0830	2343	3153.7	771.8	+0.2	13.1	12.1	11.2	13.5	90	+ 5	6.3	+0.7	7.8	0	4	20	08	4	3	2	1	0	1	5	7	0
	1130	2343	3157.2	771.7	..	14.7	13.3	12.3	14.4	86	..	7.1	..	8.6	0	1	26	03	5	4	2	1	0	0	12	4	0
	1730	2343	3134.9	770.0	+0.2	13.0	12.3	11.9	13.8	93	+ 1	7.5	+0.4	7.4	0	1	22	06	4	1	2	2	0	0	8	8	0
NEPAL																											
KATMANDU	0830	1324	1523.7	870.4	-0.5	15.7	14.1	13.0	15.2	85	+ 1	1.7	-2.9	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1130	1324	1517.8	869.3	..	23.3	16.5	11.6	14.0	49	..	2.1	..	0.4	0	0	4	00	1	1	2	0	0	0	0	27	0
	1730	1324	1495.8	867.3	-0.4	19.9	15.9	13.1	15.3	65	-11	2.3	-1.0	0.1	0	0	1	00	0	0	0	1	0	0	0	30	0
SIKKIM																											
LACHEN.	0830		(R)																								
HYDROMETEOROLOGICAL OBSERVATORIES																											
DAMODAR CATCHMENT																											
TILAIYA	0830		..	..	..	25.5	20.5	17.5	20.0	61	..	0.8	..	6.4	0	0	26	02	1	3	3	1	7	6	3	5	0
	1730		..	..	..	26.5	20.2	16.3	18.0	53	..	1.7	..	3.6	0	0	24	03	1	2	4	0	1	5	8	7	0
HAZARIBAGH	0830	615	1011.5	943.4	..	24.5	20.3	18.0	20.6	67	..	0.7	..	4.0	0	0	22	00	1	4	0	3	0	6	8	9	0
	1730	615	1008.4	940.3	..	23.3	19.7	17.7	20.2	71	..	1.5	..	1.4	0	0	8	00	0	3	0	0	3	0	2	23	0
KONAR	0830		..	..	..	25.8	23.9	23.0	28.1	84	..	0.2	..	4.5	0	0	31	00	1	1	1	0	8	6	14	0	0
	1730		..	..	..	27.9	24.8	23.3	28.6	76	..	0.3	..	4.5	0	0	31	00	1	2	0	0	3	16	9	0	0
BOKARO	0830	242	1011.0	983.6	..	24.2	21.3	19.7	22.9	76	..	0.5	..	2.8	0	0	22	01	0	1	1	2	6	6	5	9	0
	1730	242	1006.6	979.5	..	26.2	23.5	22.1	26.7	79	..	1.0	..	3.1	0	0	24	00	0	1	2	0	7	12	2	7	0
MAITHON	0830		..	..	..	28.7	23.4	20.6	24.3	62	..	1.3	..	2.3	0	0	31	01	0	0	7	1	10	5	7	0	0
	1730		..	..	..	31.3	25.6	22.9	27.9	61	..	1.2	..	2.5	0	0	31	00	2	0	4	3	10	11	1	0	0
RAMGARH	0830		..	..	..	24.6	21.2	19.2	22.2	73	..	1.2	..	3.7	0	0	28	03	1	1	3	0	4	10	6	3	0
	1730		..	..	..	26.7	22.2	19.7	22.9	67	..	1.6	..	2.7	0	0	18	03	0	1	1	0	1	6	6	13	0
PANCHET HILLS	0830		..	..	..	26.2	22.6	20.8	24.6	73	..	1.9	..	0.9	0	0	12	00	1	0	4	0	4	0	3	19	0
	1730		..	..	..	27.8	23.1	20.6	24.3	66	..	1.8	..	0.0	0	0	1	00	1	0	0	0	0	0	0	30	0
DURGAPUR	0830		..	..	..	26.8	22.9	20.8	24.6	70	..	0.8	..	4.5	0	0	29	09	2	3	2	3	1	1	8	2	0
	1730		..	..	..	28.1	23.1	20.5	24.1	64	..	0.9	..	3.5	0	0	29	12	1	3	1	10	1	0	1	2	0
MAHANADI CATCHMENT																											
GINABAHAK	0830		..	..	..	23.2	19.5	17.5	20.0	70	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	1012.1	994.2	..	27.2	22.8	20.5	24.1	66	..	0.9	..	1.4	0	0	12	06	3	1	1	0	0	0	1	19	0
	1130	159	1010.9	993.2	..	30.2	23.4	19.5	22.7	54	..	1.3	..	2.8	0	0	23	04	9	0	1	1	1	1	6	8	0
	1730	159	1008.3	990.6	..	29.3	22.5	18.8	21.7	53	..	1.2	..	0.7	0	0	7	01	2	0	1	0	1	1	1	24	0
BHIMKUND	0830		(R)																								
	1730		(R)																								
SONEPUR	0830		..	..	..	25.3	23.0	21.9	26.3	82	..	2.5	..	2.0	0	0	18	00	0	8	0	0	0	10	0	13	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – OCTOBER, 1967. (ASVINA 9 - KARTIKA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.			Mean temperature in °C			Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry bulb	Wet bulb	Dew point				Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															42 or more	20 to 41	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HYDROMETEOROLOGICAL OBSERVATORIES																											
MAHANADI CATCHMENT (CONTD)																											
KHIJRAWAN	0830		..	..	..	25.2	21.3	19.0	22.1	69	..	0.9	..	3.7	0	0	26	01	4	6	4	1	4	3	3	1	0
	1730		..	..	..	26.7	22.2	19.7	23.1	66	..	1.6	..	2.8	0	0	26	03	2	0	5	2	7	2	5	1	0
NARMADA CATCHMENT																											
BAGRA TAWA	0830		..	..	..	23.6	18.9	15.9	18.1	61	..	1.0	..	9.5	0	0	26	00	4	2	5	7	7	1	0	5	0
	1730		..	..	..	29.5	21.2	16.0	18.4	45	..	1.2	..	6.4	0	1	22	03	0	2	16	2	0	0	0	8	0
PUNASA	0830		..	..	..	25.4	19.1	14.8	16.9	53	..	.	..	3.4	0	0	30	00	27	0	0	0	3	0	0	1	0
	1730		..	..	..	31.9	26.1	23.5	28.9	62	..	.	..	3.0	0	0	30	00	27	0	1	0	2	0	0	1	0
THIKRI	0830		..	..	..	30.0	20.2	13.6	15.7	38	..	0.4	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																											
DAKOI	0830		..	..	..	24.5	19.4	16.0	18.3	60	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	33.5	22.0	14.7	17.0	34	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GANDAK CATCHMENT																											
JAMOSOM	0830		(R)																								
	1730		(R)																								
KHUDI BAZAR	0830		..	..	..	20.0	15.4	11.9	14.3	60	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	21.2	17.6	15.3	17.7	70	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830		..	..	..	11.0	8.8	6.7	10.1	75	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	16.6	12.5	9.4	12.1	64	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
POKHARA	0830		..	..	..	20.5	16.5	13.9	16.1	66	..	1.0	..	0.1	0	0	1	01	0	0	0	0	0	0	0	30	0
	1130		..	..	..	24.1	18.4	14.8	17.2	57	..	1.2	..	3.0	0	0	30	00	1	1	17	9	2	0	0	1	0
	1730		..	..	..	22.1	18.5	16.3	16.9	70	..	2.6	..	0.4	0	0	3	02	0	0	1	0	0	0	0	28	0
GORKHA	0830		..	..	..	20.1	16.8	14.5	16.8	71	..	1.3	..	..	.	..	..	00	0	1	4	11	7	1	0	7	0
	1130		..	..	..	23.2	18.4	15.5	17.9	63	..	1.7	..	..	.	..	..	00	0	0	2	14	14	0	1	0	0
	1730		..	..	..	21.1	17.0	14.3	16.5	66	..	1.3	..	..	.	..	..	01	1	0	3	5	9	6	1	5	0
NUWAKOT	0830		..	..	..	19.9	16.9	15.0	17.3	73	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	21.5	17.6	15.1	17.7	69	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT (TRANS HIMALAYAN REGION)																											
DAILEKH	0830		(R)																								
	1730		(R)																								
GHAGHARA CATCHMENT																											
SALLYANA	0830		..	..	..	18.8	14.3	10.6	13.3	62	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	18.9	14.5	11.0	13.6	61	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BUTWAL	0830		..	..	..	25.5	20.0	16.4	19.1	58	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	26.0	21.9	19.5	23.0	68	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BAGHMATI CATCHMENT																											
KATMANDU	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
KOSI CATCHMENT																											
CHAUTARA	0830		(R)																								
	1730		(R)																								
BALUNGCHUNG GOLA	0830		..	..	..	9.8	8.2	6.9	10.0	82	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	6.3	4.9	3.4	8.0	82	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHOK	0830		..	..	..	16.3	12.9	9.7	12.6	66	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	19.3	15.0	11.8	14.2	63	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BHOJPUR	0830		..	..	..	18.7	14.8	12.3	14.5	67	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	16.7	14.7	13.3	15.5	81	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLEJUNG	0830		..	..	..	16.3	12.6	9.5	12.4	86	..	2.1	..	1.0	0	0	11	01	1	2	0	1	0	1	5	20	0
	1130		..	..	..	19.9	14.8	11.3	13.5	59	..	2.6	..	5.3	0	0	30	02	0	1	2	5	3	8	3	1	6
	1730		..	..	..	16.8	13.0	10.2	12.7	65	..	3.4	..	6.9	0	1	17	01	0	0	5	10	1	1	0	12	0
DIKHALOHUNGA	0830		..	..	..	16.6	13.9	12.1	14.3	75	..	2.1	..	0.4	0	0	6	00	0	0	1	2	2	0	1	25	0
	1130		..	..	..	19.9	15.3	12.2	14.4	62	..	2.6	..	1.6	0	0	19	00	0	0	0	3	7	7	1	12	1
	1730		..	..	..	15.7	13.6	12.1	14.3	79	..	3.0	..	3.7	0	0	24	00	0	0	0	0	2	22	0	7	0
CHAINPUR	0830		..	..	..	19.5	16.5	14.3	16.7	73	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	20.3	17.6	15.9	18.2	76	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - OCTOBER, 1967. (ASVINA 9 - KARTIKA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations											
			At mean sea level or lt. in gen. of mean standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point				Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SI CATCHMENT (CONTD.)																											
AMSBUNG	0830		(R)																								
	1730		(R)																								
BAKAHAKSHETRA	0830	146	1013.1	996.4	..	22.8	19.7	17.6	20.6	73	..	1.1	..	2.2	0	0	26	01	3	6	4	2	6	1	3	5	0
	1130	146	1011.0	994.6	..	28.4	22.4	19.0	22.0	58	..	1.9	..	4.1	0	0	28	00	0	0	0	0	6	20	2	3	0
	1730	146	1009.2	992.6	..	24.1	21.7	20.4	24.3	80	..	1.9	..	1.3	0	0	20	00	3	15	2	0	0	0	0	11	0
STA CATCHMENT																											
GANGTOK	0830	1812	1524.5	821.9	..	14.8	12.3	10.5	12.7	75	..	2.7	..	1.0	0	0	6	01	3	0	0	0	1	0	1	25	0
	1130	1812	1510.2	821.1	..	19.9	15.1	12.0	14.0	61	..	3.7	..	4.6	0	0	29	00	0	0	0	6	19	2	1	2	1
	1730	1812	1498.5	819.7	..	16.9	14.0	12.1	14.1	73	..	5.5	..	2.3	0	0	16	00	3	1	2	8	2	0	0	15	0
GEZING	0830		..	..	..	17.4	15.1	13.7	15.7	79	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	17.1	14.8	13.3	15.3	79	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

MONTHLY MEANS OF UPPER WINDS

During the month, observations of velocity and direction of upper winds were made at 55 stations in India. Out of these, at 39 stations all the observations were taken by means of pilot balloons and at 16 stations some observations were made by means of pilot balloons while the other observations by the radiowind method. In the case of Bangalore, the observations were taken by following radiosonde balloon by means of an optical theodolite. Particulars of these stations, their co-ordinates and the approximate times of the regular pilot balloon and rawin ascents at each station are given in the table overleaf. All radiowind ascents have been indicated by means of an asterisk (*) against the scheduled hours.

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

Data upto 9.0 km. above mean sea level are given under Table IV and data above 9.0 km. above mean sea level under Table V.

In Tables IV and V :

N = represents the number of observations;

S = represents the mean wind speed in metres per second irrespective of direction;

V = represents the resultant mean velocity in metres per second;

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

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

Surface, 0.15 km. a.g., 0.3, 0.6, 0.9, 1.5, 2.1, 3.0, 3.6, 4.5, 5,4, 6.0, 7.2, 9.0, 10.5, 12.0, 14.1, 16.2, 18.0, 21.0, 24.0, 27.0, 30.0, 33.0, and 36.0 km. above mean sea level. Of these the levels 1.5, 3.0, 5.4, 7.2, 9.0, 12.0, 14.1, 16.2, 18.0, 21.0, 24.0, 27.0 and 30 km. above mean sea level are considered as the best approximations to the standard pressure levels 850, 700, 500, 400, 300, 200, 150, 100, 70, 50, 30, 20 and 10 mb. respectively.

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PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS IN INDIA

S.No.	Station	Latitude ° ' N	Longitude ° ' E	Height of anemometer head a.m.s.l. in metres	Date of Opening	Approximate times of flight (I.S.T.)			
1.	Agartala	23 53	91 15	17	28th Nov. 1951	0530	1130	1730	2330
2.	Ahmadabad	23 04	72 38	61	19th May. 1928	0530*	1130	1730*	2330
3.	Allahabad/Bamhrauli	25 27	81 44	103	28th Feb. 1930	0530		1730	2330
4.	Ambala	30 23	76 46	279	1st Apr. 1941	0530	1130	1730	2330
5.	Amini	11 07	72 44	14	15th May. 1965	0530		1730	2330
6.	Anantapur	14 41	77 37	365	12th Feb. 1946	0530		1730	2330
7.	Asansol	23 41	86 59	135	29th May. 1942	0530	1130	1730	2330
8.	Aurangabad/Chikalthan	19 51	75 24	583	7th Oct. 1951	0530		1730	2330
9.	Bahraich	27 34	81 36	134	1st Oct. 1961	0530	1130	1730	
10.	Bangalore	12 58	77 35	936	19th May. 1915	0530●	1130	1730●	2330
11.	Bareilly	28 22	79 24	181	12th Jan. 1943	0530		1730	
12.	Begampet	17 27	78 28	543	1st Sep. 1929	0530*	1130	1730*	2330
13.	Bhagalpur	25 14	86 57	61	19th May. 1950	0530		1730	
14.	Bhopal/Bairagarh	23 17	77 21	532	26th Feb. 1943	0530		1730	2330
15.	Bhubaneshwar	20 15	85 50	54	5th Dec. 1942	0530	1130	1730	2330
16.	Bhuj/Rudramata	23 15	69 48	90	14th Sep. 1937	0530		1730	2330
17.	Bikaner	28 00	73 18	229	18th Oct. 1946	0530		1730	2330
18.	Bombay/Santacruz	19 07	72 51	27	14th May. 1933	0530*	1130	1730*	2330
19.	Calcutta/Dum Dum	22 39	88 27	13	14th May. 1921	0530*	1130	1730*	2330
20.	Cochin/Willingdon +	09 56	76 14	13	16th Mar. 1942	0530		1730	2330
21.	Dehra Dun	30 19	78 03	692	1st Oct. 1958	0530		1730	
22.	Dibrugarh/Mohanbari	27 29	95 01	112	1st Jun. 1948	0530	1130	1730	2330
23.	Gadag	15 25	75 38	650	3rd May. 1943	0530		1730	2330
24.	Gangtok	27 20	88 16	1764	1st May. 1963	0530		1730	
25.	Gauhati	26 05	91 43	55	12th Mar. 1955	0530*	1130	1730*	2330
26.	Gaya	24 45	84 57	119	19th Mar. 1937	0530	1130	1730	2330
27.	Goa/Dabolim	15 23	73 49	228	Jul. 1965	0530		1730	
28.	Gopalpur	19 16	84 53	24	15th Feb. 1946	0530		1730	2330
29.	Gorakhpur	26 45	83 22	83	5th Jan. 1943	0530		1730	
30.	Gwalior	26 14	78 15	208	7th May. 1938	0530	1130	1730	2330
31.	Imphal/Tulihal	24 46	93 54	782	8th Mar. 1952	0530	1130	1730	2330
32.	Jabalpur	23 10	79 57	402	30th Jul. 1928	0530		1730	2330
33.	Jagdalpur	19 05	82 02	562	25th Mar. 1948	0530		1730	2330
34.	Jaipur/Sanganer	26 49	75 48	403	6thJun. 1953	0530		1730	2330
35.	Jamshedpur	22 49	86 11	144	23rd Jul. 1942	0530		1730	
36.	Jharsuguda	21 55	84 05	240	1st May. 1944	0530		1730	2330
37.	Jodhpur	26 18	73 01	229	15th Oct. 1934	0530*	1130	1730*	2330
38.	Lucknow/Amausi	26 45	80 53	133	20th Nov. 1950	0530*	1130	1730*	2330
39.	Madras/Minambakkam	13 00	80 11	29	8th Apr. 1926	0530*	1130	1730*	2330
40.	Mangalore/Bajpe	12 55	74 53	104	25th May. 1959	0530		1730	2330
41.	Minicoy	08 18	73 00	15	14th Apr. 1941	0530	1130	1730*	2330
42.	Nagpur/Sonegaon	21 06	79 03	316	23rd Apr. 1943	0530*	1130	1730*	2330
43.	New Delhi/Safdarjung	28 35	77 12	227	29th Oct. 1936	0530*	1130	1730*	2330
44.	Poona	18 32	73 51	593	5th Jan. 1925	0530		1730	2330
45.	Port Blair	11 40	92 43	95	29th Oct. 1945	0530*	1130	1730*	2330
46.	Raipur	21 14	81 39	308	15th Jul. 1944	0530		1730	2330
47.	Raxaul	26 59	84 51	83	28th Oct. 1957	0530		1730	
48.	Srinagar	34 05	74 48	1595	1st Aug. 1962	0530*		1730*	
49.	Tiruchchirappalli	10 46	78 43	96	22nd Jun. 1936	0530		1730	2330
50.	Trivandrum	08 29	76 57	73	8th Dec. 1928	0530*	1130	1730*	2330
51.	Udaipur	24 35	73 42	587	24th Jun. 1947	0530		1730	2330
52.	Vengurla	15 52	73 38	8	22nd Nov. 1941	0530		1730	2330
53.	Veraval	20 54	70 22	17	13th Oct. 1941	0530		1730	2330
54.	Vijayawada/Gannavaram	16 32	80 48	32	8th Apr. 1942	0530		1730	2330
55.	Vishakhapatnam	17 43	83 14	10	24th Sep. 1928	0530*	1130	1730*	2330

* Radio wind ascents.

● Radiosonde ascents followed by optical theodolite.

\+ Naval Meteorological Office.

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

OCTOBER, 1967 (ASVINA 9 - KARTIKA 9, 1889 SAKA)

STATION	AGARTALA												AHMADABAD											
TIME IN I.S.T.	0530				1730				2330				0530 *				1130				1730 *			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.7	00.4	066	31	00.5	00.2	030	31	00.5	00.3	096	31	00.4	00.2	258	31	02.0	00.6	027	31	01.5	01.2	334
.15 A.G.L.	29	03.3	01.0	086	30	02.9	01.5	356	28	03.2	00.8	030	30	05.7	03.4	350	31	02.8	00.7	041	31	04.2	02.5	330
.3A.M.S.L.	29	03.7	00.9	067	30	03.3	01.5	015	28	03.2	00.9	350	30	06.0	03.5	350	31	03.0	00.6	033	31	04.0	02.4	328
.6 ,,	29	03.8	01.0	054	30	03.6	01.2	027	28	03.2	01.0	335	30	05.6	03.2	342	31	03.5	00.7	323	31	03.3	02.0	329
.9 ,,	29	04.1	00.6	050	30	03.5	00.5	047	28	03.3	01.3	311	30	05.0	02.3	334	31	03.7	01.1	305	31	03.7	01.9	329
1.5 ,,	29	04.6	00.2	102	29	04.2	00.7	150	28	04.2	01.2	221	30	04.1	01.7	326	31	03.8	01.5	284	31	04.0	02.2	337
2.1 ,,	27	05.5	00.7	210	29	04.6	01.5	230	26	03.8	01.7	184	30	04.4	01.2	348	30	05.0	01.3	307	31	05.1	02.5	332
3.0 ,,	27	05.5	02.2	210	29	05.3	02.3	240	25	04.8	02.9	221	30	05.4	00.7	352	30	05.7	02.1	012	31	05.6	02.3	348
3.6 ,,	25	05.7	03.7	245	27	05.9	03.4	264	01	05.0	05.0	285	30	06.0	02.5	354	29	05.8	02.4	339	31	06.5	03.0	352
4.5 ,,	23	07.4	05.8	258	24	07.5	06.0	258					29	07.3	05.1	350	29	07.9	05.4	307	31	06.8	04.4	329
5.4 ,,	23	09.0	07.8	259	22	10.8	09.6	263					27	08.9	07.0	328	29	10.7	08.1	303	30	09.3	07.1	313
6.0 ,,	23	10.7	09.8	253	22	11.7	10.9	260					27	10.2	07.7	325	29	12.5	09.9	302	29	11.5	09.1	312
7.2 ,,	15	14.3	13.2	252	18	13.8	12.3	253					22	12.2	10.9	309	25	15.6	12.8	295	27	13.6	11.7	299
9.0 ,,	06	12.0	11.2	241	04	18.0	17.9	248					21	14.2	12.7	290	16	18.0	16.0	274	21	16.8	14.9	291

STATION	AHMADABAD				ALLAHABAD/BAMHRAULI												AMBALA							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.7	00.3	221	31	00.1	00.0	090	31	00.8	00.6	329	31	00.1	00.1	090	31	00.6	00.2	028	31	00.8	00.3	119
.15 A.G.L.	31	05.0	01.5	314	31	03.0	00.2	153	31	03.7	02.9	341	31	04.1	01.4	021	31	06.4	01.7	047	31	03.6	01.1	069
.3A.M.S.L.	31	04.8	01.5	322	31	03.1	00.1	154	31	03.7	02.7	339	31	04.2	01.5	021	31	02.9	00.9	054	31	02.0	00.9	088
.6 ,,	31	04.5	02.0	324	31	03.2	00.9	319	31	04.1	03.0	327	31	04.0	01.3	360	31	06.2	01.3	017	31	03.9	01.1	033
.9 ,,	31	04.3	02.2	326	31	03.6	01.9	321	31	04.2	03.1	324	31	03.5	01.8	325	31	05.7	02.6	338	31	04.6	01.4	002
1.5 ,,	31	03.8	01.7	334	31	05.5	04.6	327	31	04.5	03.7	312	31	04.5	03.1	312	31	05.5	03.0	326	31	04.9	01.4	321
2.1 ,,	31	04.4	02.0	337	31	07.2	06.4	321	31	05.6	04.5	318	31	05.7	04.5	319	30	06.2	03.7	308	30	05.1	02.0	323
3.0 ,,	30	05.4	02.2	356	31	08.6	07.8	316	31	07.6	06.5	319	28	07.0	05.5	318	29	06.7	04.5	313	30	06.0	02.9	302
3.6 ,,	08	06.7	04.7	010	30	08.8	07.6	311	30	07.9	06.5	315	07	06.4	05.9	297	28	07.9	05.5	312	29	07.4	04.5	297
4.5 ,,					30	09.8	08.7	290	29	09.3	08.5	292	02	06.5	04.9	295	28	09.3	06.7	298	28	08.6	06.7	300
5.4 ,,					25	11.5	09.8	277	25	12.3	11.3	281	01	16.0	16.0	235	27	11.7	09.1	289	28	10.4	08.3	293
6.0 ,,					23	13.7	13.4	245	20	14.3	13.2	279	01	19.0	19.0	240	27	12.9	09.9	285	28	12.1	09.7	293
7.2 ,,					12	13.5	12.6	283	07	15.1	14.9	268					05	15.2	14.4	277	13	13.9	11.5	301
9.0 ,,					04	14.0	14.0	266																

STATION	AMBALA								AMINI												ANANTAPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.0	00.5	304	31	01.4	00.8	324	31	02.2	01.7	326	31	02.6	02.0	321	31	02.6	02.0	314	31	00.6	00.3	087
.15 A.G.L.	31	04.5	02.0	303	30	07.8	05.5	340	30	03.9	03.0	332	31	03.6	02.5	334	31	03.9	03.1	327	30	04.2	01.7	092
.3A.M.S.L.	31	02.4	01.2	305	30	03.4	02.4	344	30	04.0	03.1	338	31	03.6	02.6	338	31	03.9	02.9	325				
.6 ,,	31	05.2	02.2	298	30	07.2	04.9	339	30	04.2	03.2	344	31	04.1	02.9	342	31	04.2	02.8	331	30	04.8	02.0	093
.9 ,,	31	05.2	02.1	301	30	06.3	03.7	335	30	04.4	02.8	001	31	04.4	02.6	358	31	04.2	02.3	352	30	06.7	03.4	077
1.5 ,,	31	05.5	02.6	300	30	05.7	03.2	318	29	04.8	02.7	034	30	05.0	02.8	029	30	05.6	03.1	047	30	07.3	05.2	056
2.1 ,,	31	06.3	03.0	308	30	05.8	03.4	307	27	05.8	03.5	054	30	06.0	03.7	044	29	06.8	04.5	062	29	08.1	06.3	047
3.0 ,,	30	07.0	04.6	308	30	06.2	04.3	295	24	05.5	02.4	052	24	05.3	02.9	054	27	06.2	03.2	067	27	06.7	05.1	050
3.6 ,,	28	07.8	05.9	306	01	02.0	02.0	200	19	05.3	01.4	127	24	05.4	02.8	066	19	05.8	02.8	086	24	06.3	04.9	065
4.5 ,,	25	09.0	08.7	303					15	04.4	03.1	083	18	05.6	04.5	073	12	05.7	03.0	073	22	06.0	04.3	071
5.4 ,,	25	10.5	09.6	298					13	05.6	03.7	080	13	06.1	04.8	066	04	06.0	04.6	059	21	06.0	03.9	068
6.0 ,,	23	11.4	10.5	292					12	07.0	05.2	086	12	06.9	06.0	069	02	05.0	04.9	107	20	06.5	05.0	063
7.2 ,,	01	13.0	13.0	300					08	06.4	05.0	064	06	07.3	07.0	073					15	06.4	04.1	061
9.0 ,,									02	02.0	01.1	065	02	03.0	02.9	049					08	03.0	01.3	243

STATION	ANANTAPUR								ASANSOL												AURANGABAD/CHIKALTHAN			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	03.2	02.5	075	31	02.1	01.1	100	31	00.2	00.0	023	31	00.5	00.1	005	31	00.4	00.2	268	31	00.6	00.3	317
.15 A.G.L.	31	06.0	04.4	069	29	05.8	03.9	106	31	04.2	01.9	344	31	02.8	01.0	013	31	04.3	00.4	058	31	04.7	01.6	047
.3A.M.S.L.									31	03.7	01.7	343	31	03.0	01.1	010	31	04.7	00.4	079				
.6 ,,	31	05.8	03.9	068	29	05.9	04.4	104	31	03.6	01.6	356	31	03.5	01.2	355	31	04.6	00.3	057	31	06.2	02.9	067
.9 ,,	31	05.5	03.9	062	29	06.1	04.5	092	31	03.7	02.2	354	31	03.8	01.5	350	31	04.2	01.1	307	31	06.7	04.4	060
1.5 ,,	31	06.1	04.7	054	29	06.8	05.2	063	29	04.4	02.9	338	31	04.1	02.8	338	30	03.9	02.0	322	31	06.0	05.1	046
2.1 ,,	26	06.8	05.4	047	28	07.0	06.3	050	28	04.8	03.0	332	30	04.4	03.1	318	30	04.0	02.4	313	31	05.6	04.3	032
3.0 ,,	21	06.3	05.8	046	28	06.1	05.3	055	27	04.8	03.0	280	29	04.9	03.0	280	30	04.5	02.5	296	29	06.2	03.5	017
3.6 ,,	21	05.2	04.6	051	13	04.9	04.4	063	27	05.0	04.1	278	28	05.8	04.4	287	21	04.8	02.6	284	24	06.6	02.9	009
4.5 ,,	16	04.3	02.9	039	06	04.2	03.2	050	25	07.3	06.0	271	27	07.9	06.7	277	10	05.2	02.9	280	15	09.1	04.9	022
5.4 ,,	16	04.3	02.4	039	03	04.3	02.6	096	24	10.3	08.3	267	27	10.3	08.9	274	03	06.3	05.1	280	10	08.3	05.0	009
6.0 ,,	15	04.8	02.8	027					24	12.4	11.5	264	26	12.6	10.7	271	02	02.0	01.9	187	05	11.8	06.4	014
7.2 ,,	06	03.7	00.9	043					24	16.3	15.1	266	24	16.1	14.8	265					01	04.0	04.0	308
9.0 ,,	01	03.0	03.0	010					19	20.4	19.3	256	13	19.1	18.5	256								

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

OCTOBER,1967 (ASVINA 9 - KARTIKA 9,1889 SAKA)

STATION	AURANGABAD/CHIKALTHAN								BAHRAICH												BANGALORE			
TIME IN I.S.T.	1730				2330				0530				1130				1730				0530 @			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.4	01.8	029	31	00.8	00.4	313	31	00.8	00.2	276	31	01.3	00.7	298	31	00.7	00.3	295	31	02.9	01.4	070
.15 A.G.L.	31	04.0	02.8	031	31	06.0	00.5	049	27	03.2	00.6	259	30	02.3	00.8	296	31	03.3	02.0	304	24	06.3	04.3	076
.3A.M.S.L.									27	03.4	01.0	234	30	02.3	00.8	289	31	03.4	02.1	301				
.6 ,,									27	03.4	02.2	301	30	03.1	01.0	289	31	03.8	02.0	298				
.9 ,,	31	04.4	03.3	031	31	07.2	04.9	050	27	03.8	03.2	308	30	03.5	01.7	283	31	04.2	02.5	296				
1.5 ,,	31	04.6	03.9	030	31	07.5	06.2	054	23	04.4	03.3	315	28	04.5	02.7	302	30	05.0	03.9	290	24	07.3	05.4	051
2.1 ,,	29	04.4	03.6	033	31	06.6	05.6	054	17	05.3	03.2	331	23	06.0	03.1	299	29	06.5	04.2	297	24	06.4	04.6	054
3.0 ,,	27	04.1	03.2	024	30	05.3	03.7	044	06	06.3	03.2	337	22	07.0	04.6	317	25	06.6	04.2	298	22	05.5	04.3	062
3.6 ,,	26	04.5	02.6	012	27	06.3	02.9	028	05	03.8	00.3	020	21	06.8	05.6	303	22	06.1	04.6	300	22	05.6	04.4	069
4.5 ,,	19	05.6	03.0	332	22	06.8	04.2	003	04	04.8	04.0	356	19	07.7	07.1	287	18	07.1	06.4	304	22	05.6	04.3	083
5.4 ,,	13	07.3	04.6	316	21	08.2	04.5	350	02	09.0	09.0	247	18	11.7	10.7	278	17	10.5	08.2	300	22	05.9	04.4	076
6.0 ,,	13	09.8	06.5	321	14	08.3	05.0	320	01	09.0	09.0	215	16	12.7	11.8	275	15	13.1	10.3	295	22	06.2	04.7	078
7.2 ,,	12	11.7	08.6	310	07	09.3	07.3	279	01	15.0	15.0	215	07	16.9	16.3	269	07	18.9	12.2	300	20	05.7	04.7	075
9.0 ,,	08	12.5	11.9	266	03	07.0	02.9	305					02	23.5	21.5	256	01	27.0	27.0	295	10	04.0	02.3	125

STATION	BANGALORE												BAREILLY								BEGAMPET			
TIME IN I.S.T.	1130				1730 @				2330				0530				1730				0530 *			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	03.1	02.0	042	31	02.7	01.9	040	31	03.0	01.6	074	31	01.2	00.7	035	31	01.1	00.5	291	31	01.4	00.7	035
.15 A.G.L.	30	05.1	03.3	041	28	05.3	03.5	047	28	06.6	04.8	078	31	04.7	01.1	012	31	03.4	01.7	303	31	04.7	02.4	085
.3A.M.S.L.													31	04.6	01.6	007	31	03.2	01.6	304				
.6 ,,													31	04.7	01.7	321	31	04.0	02.3	299	31	04.7	02.4	085
.9 ,,													31	04.9	02.3	310	31	04.4	02.5	293	31	04.8	03.1	072
1.5 ,,	30	05.0	03.4	045	28	05.5	03.8	047	28	07.0	04.8	065	31	05.9	04.2	306	31	05.7	04.5	283	31	06.0	04.8	056
2.1 ,,	20	06.5	05.8	055	26	05.5	03.8	051	27	06.4	05.0	059	30	08.3	06.3	306	31	07.1	05.7	293	31	07.2	04.6	007
3.0 ,,	17	06.2	04.9	071	24	05.6	04.1	057	21	05.3	03.8	059	30	09.2	07.6	310	31	07.6	06.5	300	31	06.5	05.6	041
3.6 ,,	14	05.5	04.0	085	23	05.2	03.1	056	21	05.0	03.7	051	29	08.8	07.5	307	31	08.3	07.1	307	31	05.4	03.9	052
4.5 ,,	12	06.0	04.1	099	23	04.8	02.9	059	16	05.6	03.4	044	27	08.9	07.1	295	30	09.3	08.0	297	31	04.8	02.5	041
5.4 ,,	12	06.0	03.5	104	18	05.5	03.4	055	09	05.5	03.6	033	24	10.1	09.5	288	29	10.6	09.6	292	31	05.2	02.2	044
6.0 ,,	11	05.8	02.5	087	18	05.7	04.0	054	06	07.3	05.3	040	23	12.5	11.8	283	25	12.8	11.8	287	31	05.2	02.7	017
7.2 ,,	10	06.0	04.1	098	16	05.8	03.8	071	03	06.0	04.2	337	17	17.7	17.0	271	18	17.2	16.5	275	31	04.9	01.1	355
9.0 ,,	09	05.3	02.9	115	11	04.1	00.5	120					10	26.7	26.0	264	07	23.2	22.5	259	31	05.8	02.2	265

STATION	BEGAMPET												BHAGALPUR								BHOPAL/BAIRAGARH			
TIME IN I.S.T.	1130				1730*				2330				0530				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.4	01.4	080	31	02.9	01.7	034	31	01.1	00.4	106	31	00.9	00.3	159	31	01.0	00.2	315	31	02.9	00.5	014
.15 A.G.L.	31	03.6	02.2	079	31	04.8	03.4	050	31	05.0	03.8	085	31	03.4	01.0	184	31	03.6	00.8	307	31	05.6	00.5	318
.3A.M.S.L.													31	03.0	00.3	145	31	03.4	01.0	311				
.6 ,,	31	03.4	02.0	082	31	04.8	03.4	050	31	03.5	02.6	083	31	03.0	00.8	015	31	03.6	01.4	313	31	05.6	00.5	306
.9 ,,	31	03.8	02.4	067	31	04.6	03.6	051	31	05.4	04.3	081	31	03.4	01.1	337	31	03.5	01.6	301	31	06.3	01.7	354
1.5 ,,	31	05.5	04.4	060	31	05.2	04.5	040	31	05.1	04.1	061	30	04.3	02.0	344	31	04.3	01.8	292	31	05.5	03.3	344
2.1 ,,	29	07.8	06.7	046	31	05.4	04.6	044	30	06.0	05.2	050	29	05.3	00.6	283	29	05.2	02.5	301	31	05.4	03.7	342
3.0 ,,	27	07.8	06.7	041	31	06.0	05.0	045	28	05.5	04.0	046	16	04.7	00.8	001	24	06.9	03.7	293	31	05.5	03.3	348
3.6 ,,	24	06.7	05.3	049	31	05.3	03.1	039	10	04.9	03.3	024	12	05.8	03.8	287	16	06.3	03.8	303	31	06.2	03.9	352
4.5 ,,	23	04.8	03.4	057	31	04.9	01.0	357	02	05.5	05.2	103	11	09.9	06.9	267	09	08.8	04.3	278	28	08.0	05.5	324
5.4 ,,	21	04.6	02.7	043	31	05.2	01.7	007	02	05.0	04.3	118	04	13.2	12.4	268	05	09.4	06.0	273	28	10.3	07.2	301
6.0 ,,	21	04.4	02.3	034	31	04.9	02.1	341					04	19.0	18.7	271	01	03.0	03.0	206	27	11.1	08.6	293
7.2 ,,	20	04.5	01.2	306	31	05.0	02.3	320					01	11.0	11.0	291	01	03.0	03.0	195	26	13.2	10.6	284
9.0 ,,	14	05.7	02.5	277	31	06.1	02.8	252													25	16.3	14.5	270

STATION	BHOPAL/BAIRAGARH								BHUBANESHWAR												BHUJ/RUDRAMATA			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.4	01.2	007	31	02.2	00.6	047	31	02.2	01.6	339	31	02.6	00.8	043	31	02.3	00.4	217	31	00.7	00.7	264
.15 A.G.L.	31	03.8	02.1	014	31	06.2	01.8	073	29	03.4	02.1	332	31	03.9	01.6	056	31	05.2	01.3	166	31	05.6	03.5	300
.3A.M.S.L.									29	03.7	01.9	344	31	04.1	01.9	050	31	05.2	00.9	107	31	06.4	03.6	310
.6 ,,	31	03.7	02.3	011	31	05.7	01.7	069	29	04.3	02.2	014	31	04.2	02.2	027	31	04.8	01.2	057	31	07.2	03.6	320
.9 ,,	31	04.0	02.7	009	31	05.8	02.3	047	29	04.7	03.0	025	31	04.3	03.1	015	31	04.2	02.1	031	31	06.5	02.8	320
1.5 ,,	31	04.1	02.9	354	31	04.2	02.0	076	29	04.9	03.6	021	29	04.9	03.9	010	30	04.8	03.8	014	30	05.5	02.6	303
2.1 ,,	31	04.6	03.0	355	31	03.7	02.3	354	29	05.7	03.0	011	27	05.8	03.6	360	29	05.4	03.9	026	29	04.6	01.3	262
3.0 ,,	31	04.5	02.6	343	31	05.1	03.3	340	27	05.4	02.0	001	26	05.9	03.0	341	22	05.2	01.5	349	27	04.9	01.9	328
3.6 ,,	29	05.4	03.4	332	28	06.3	03.9	333	25	05.4	01.5	319	24	05.6	02.7	309	08	05.6	02.9	276	02	04.0	02.9	004
4.5 ,,	27	08.9	04.9	310	03	09.0	01.5	312	22	05.6	02.2	264	21	06.4	03.9	288								
5.4 ,,	24	10.5	08.7	296	01	09.0	09.0	260	21	06.1	02.8	250	16	06.9	06.1	280								
6.0 ,,	22	10.9	09.3	294	01	10.0	10.0	265	20	06.8	03.7	250	12	07.7	07.0	270								
7.2 ,,	20	12.6	10.8	289					13	08.5	07.3	270	08	10.5	10.0	270								
9.0 ,,	15	14.3	12.6	275					09	11.1	10.2	238	01	10.0	10.0	263								

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

OCTOBER, 1967 (ASVINA 9 - KARTIKA 9, 1889 SAKA)

STATION	BHUJ/RUDRAMATA								BIKANER												BOMBAY/SANTACRUZ			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530 *			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.9	01.6	315	31	01.6	01.6	300	31	00.5	00.4	221	31	00.5	00.3	270	31	00.9	00.3	346	31	09.7	07.2	068
.15 A.G.L.	31	04.3	02.5	318	31	06.3	04.6	296	31	07.1	02.2	175	30	03.8	02.4	302	31	08.9	02.8	047	31	04.2	02.7	044
.3A.M.S.L.	31	04.4	02.4	315	31	06.5	04.6	304	31	06.1	02.4	166	30	03.4	02.0	304	31	07.3	02.7	046	31	04.3	02.6	029
.6 ,,	31	04.7	02.7	316	31	06.9	04.7	310	31	06.9	01.6	217	30	04.2	02.9	303	31	08.2	01.1	028	31	05.3	03.9	044
.9 ,,	31	04.7	02.7	318	31	06.2	03.8	310	31	06.2	02.4	269	30	04.3	02.7	307	31	05.9	01.3	331	31	05.8	04.5	057
1.5 ,,	31	04.7	02.7	298	31	05.8	03.0	328	31	06.3	04.4	278	30	04.2	02.8	295	31	04.4	03.0	273	31	05.6	04.4	057
2.1 ,,	31	04.4	02.2	295	29	05.0	01.0	298	31	06.9	04.9	288	30	04.8	03.1	291	31	06.0	04.3	270	31	05.6	04.6	071
3.0 ,,	31	05.7	01.5	330	28	06.0	01.5	350	31	06.9	04.7	309	29	06.5	04.9	282	30	07.5	05.7	289	31	05.5	03.7	067
3.6 ,,	31	06.0	02.9	342	03	05.3	03.8	037	30	07.0	04.9	318	28	07.8	06.1	288	13	07.5	03.8	314	30	05.3	03.3	039
4.5 ,,	30	06.7	04.4	334					28	09.3	07.6	305	27	09.9	08.7	295	02	08.5	04.9	336	30	06.3	03.7	012
5.4 ,,	30	08.5	06.3	318					27	11.1	10.7	293	22	12.1	11.5	299					29	07.5	04.4	013
6.0 ,,	27	09.1	07.4	310					26	13.4	11.8	296	21	14.8	12.3	282					28	07.5	04.8	002
7.2 ,,	17	12.4	09.9	310					21	16.4	15.4	292	02	20.0	18.9	278					27	09.9	05.3	348
9.0 ,,	03	09.3	08.1	324					03	35.0	32.5	275									25	10.7	06.1	318

STATION	BOMBAY/SANTACRUZ												CALCUTTA/DUM DUM											
TIME IN I.S.T.	1130				1730 *				2330				0530 *				1130				1730 *			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.6	00.5	069	31	03.2	02.9	305	31	00.5	00.1	023	31	00.3	00.1	090	31	01.2	00.5	011	31	00.6	00.2	122
.15 A.G.L.	30	02.7	01.0	063	31	04.8	04.0	319	31	04.0	00.6	313	31	04.0	01.5	345	29	03.4	01.6	011	31	04.2	00.7	325
.3A.M.S.L.	30	00.3	00.1	307	33	10.4	70.4	132	13	10.4	10.0	900	53	10.4	20.1	535	62	90.3	70.1	800	23	10.4	50.1	035
.6 ,,	29	03.9	02.1	085	31	04.3	03.5	340	31	04.0	01.2	028	31	04.2	01.6	009	28	03.6	02.1	009	31	04.2	01.6	011
.9 ,,	27	04.9	03.4	080	30	04.1	03.2	006	31	04.1	01.0	024	31	04.3	02.1	006	28	03.3	02.1	009	31	04.2	01.9	022
1.5 ,,	26	05.3	04.3	078	30	04.8	04.0	034	30	04.2	02.2	337	31	05.0	02.7	005	25	04.0	02.4	357	31	04.5	02.0	021
2.1 ,,	24	05.0	03.8	069	30	05.9	04.5	059	29	04.6	01.4	340	31	04.6	01.2	359	20	05.1	02.3	340	31	05.1	01.9	350
3.0 ,,	23	05.3	03.2	061	30	07.1	05.3	063	26	04.6	01.5	303	31	05.0	01.0	260	15	06.4	02.1	292	31	04.8	02.1	306
3.6 ,,	23	05.7	03.3	051	29	06.3	04.7	053	05	05.4	04.3	291	31	05.1	02.4	252	13	07.4	03.1	281	31	05.1	02.6	279
4.5 ,,	21	05.7	03.1	036	29	06.1	03.6	037	01	06.0	06.0	300	31	06.0	03.6	260	11	07.8	06.7	278	31	07.0	03.9	270
5.4 ,,	21	07.0	02.5	010	28	07.1	03.6	007					30	08.0	06.4	258	09	10.0	09.3	280	30	08.7	06.1	270
6.0 ,,	21	08.2	03.0	351	28	08.4	04.7	350					30	09.5	06.1	255	09	11.8	11.4	279	30	09.7	07.0	269
7.2 ,,	20	09.5	04.3	313	28	10.0	05.0	340					30	11.8	09.9	257	07	15.2	14.5	267	30	11.7	09.5	262
9.0 ,,	14	12.4	06.9	283	27	10.7	06.9	306					28	13.0	11.6	250	04	20.0	19.9	255	30	14.8	12.7	254

STATION	CALCUTTA/DUM DUM				COCHIN/WILLINGDON +												DEHRA DUN							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.3	00.2	025	31	00.5	00.5	079	31	02.9	02.3	263	31	00.7	00.1	032	31	00.1	00.1	342	31	00.3	00.2	268
.15 A.G.L.	31	03.8	02.9	002	31	02.7	01.6	108	29	04.0	03.2	266	23	02.5	00.5	350	31	01.5	01.0	050	31	02.6	01.3	282
.3A.M.S.L.	31	04.5	03.6	352	31	02.8	00.5	106	29	04.1	03.3	265	23	02.7	01.1	310								
.6 ,,	31	05.0	04.2	007	31	03.1	00.9	295	29	04.1	02.9	284	23	03.3	01.3	309								
.9 ,,	30	05.6	05.0	017	29	03.7	01.3	311	29	04.0	02.0	312	23	03.7	01.2	329	31	01.4	00.7	085	31	02.5	01.3	280
1.5 ,,	30	05.8	05.1	037	25	05.0	02.0	358	28	04.9	02.1	019	21	04.9	02.0	012	31	01.7	00.6	156	31	03.0	01.8	284
2.1 ,,	30	06.1	05.1	075	22	04.5	01.5	033	26	04.5	01.9	026	18	05.2	02.3	007	30	03.0	01.4	313	30	03.6	02.2	277
3.0 ,,	29	07.3	05.9	089	05	03.4	02.9	331	23	05.2	02.0	001	05	04.0	03.2	079	29	04.5	01.6	304	30	05.3	01.0	315
3.6 ,,	15	06.3	03.9	087	02	02.0	01.9	353	16	04.6	01.4	321	02	06.0	05.5	089	28	05.8	02.1	297	30	05.4	02.6	310
4.5 ,,	06	05.8	03.6	304					09	04.4	02.2	056					27	07.6	03.8	290	29	07.8	05.0	310
5.4 ,,	03	08.7	07.8	300					04	06.7	04.9	063					26	09.0	06.9	292	29	10.1	08.1	295
6.0 ,,	02	12.5	12.5	287													26	10.7	08.8	284	26	12.3	09.3	290
7.2 ,,																	23	15.2	14.3	278	22	17.8	14.7	275
9.0 ,,																	17	21.5	21.1	264	12	27.8	25.7	280

STATION	DIBRUGARH/MOHANBARI																GADAG							
TIME IN I.S.T.	0530				1130				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.7	00.5	059	31	00.8	00.5	071	31	00.6	00.5	061	31	00.6	00.6	041	31	03.3	01.2	129	31	04.0	02.8	079
.15 A.G.L.	29	03.8	03.1	051	31	02.5	01.5	054	31	02.8	01.7	064	31	03.2	02.8	046	30	06.4	01.9	106	30	06.9	04.6	073
.3A.M.S.L.	29	03.8	03.1	051	31	02.5	01.5	058	31	02.9	01.9	070	31	03.1	02.7	052								
.6 ,,	29	03.3	02.7	050	31	02.3	01.7	066	31	02.8	01.9	083	31	02.5	02.1	068								
.9 ,,	28	02.8	01.5	066	28	02.2	01.4	053	31	02.2	01.3	091	31	02.2	01.8	083	30	07.2	03.2	085	30	06.6	04.4	075
1.5 ,,	26	02.9	01.5	089	27	02.1	00.6	135	31	02.7	01.4	191	31	02.5	00.9	156	28	09.0	06.5	066	29	06.8	05.3	064
2.1 ,,	23	03.1	00.8	118	25	02.6	01.0	159	31	03.8	03.0	201	30	03.2	02.3	221	27	09.5	08.5	051	29	06.3	05.2	057
3.0 ,,	19	03.5	01.3	214	22	04.9	00.8	189	31	05.3	03.1	211	24	04.7	03.5	218	25	08.9	07.9	056	22	05.1	04.2	057
3.6 ,,	16	03.6	02.1	232	18	04.8	02.4	231	26	06.7	05.0	304	15	05.1	03.3	233	24	07.3	06.1	066	19	04.9	03.9	076
4.5 ,,	15	09.8	08.5	253	16	08.1	06.6	249	20	10.0	08.7	254					21	05.1	03.6	064	17	04.5	04.0	067
5.4 ,,	14	14.8	13.6	261	15	11.8	10.6	252	20	12.8	12.2	255					19	05.3	04.2	055	17	06.0	04.5	058
6.0 ,,	12	19.0	17.8	259	14	16.4	15.4	254	20	15.8	14.3	254					18	06.4	05.1	044	15	05.6	04.2	044
7.2 ,,	12	24.3	23.4	256	12	22.8	20.5	254	12	20.1	20.1	254					17	06.1	03.9	049	14	04.5	02.7	048
9.0 ,,	12	30.5	30.2	259	11	31.0	30.2	249	03	26.0	25.5	263					16	04.2	00.5	069	10	02.8	01.3	288

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

OCTOBER,1967 (ASVINA 9 - KARTIKA 9,1889 SAKA)

STATION	GADAG	GANGTOK			GAUHATI		
TIME IN I.S.T.	2330	0530	1730		0530*	1130	1730*
HT IN KM.	N S V D	N S V D	N S V D		N S V D	N S V D	N S V D
SURFACE	31 04.3 01.7 108	31 00.5 00.3 004	31 01.1 00.6 130		30 00.3 00.3 225	31 01.6 00.8 035	31 00.2 00.1 081
.15 A.G.L.	30 08.0 04.0 097	27 01.6 01.3 348	18 02.7 01.7 143		30 02.5 01.3 089	31 03.3 02.1 033	31 02.9 01.3 027
.3A.M.S.L.					30 02.8 01.3 080	31 03.3 01.6 041	31 03.0 01.0 026
.6 ,,					30 04.1 01.6 068	31 03.2 01.3 067	31 03.3 00.5 086
.9 ,,	30 08.4 04.8 093				29 04.7 01.2 060	28 04.0 00.9 118	31 03.8 00.5 199
1.5 ,,	29 07.7 06.8 077				27 04.9 00.7 102	29 04.7 01.1 174	31 04.3 01.5 217
2.1 ,,	29 07.8 07.3 055	27 01.2 00.5 296	18 02.3 01.2 161		27 04.2 00.5 209	26 04.1 01.0 152	31 04.8 02.1 230
3.0 ,,	26 06.2 05.1 044	27 01.7 01.0 143	17 02.8 00.3 088		27 05.4 01.8 234	23 05.3 02.7 240	31 05.6 03.2 244
3.6 ,,	24 04.7 03.9 058	26 03.1 01.0 169	11 03.3 00.8 293		27 05.9 03.5 236	17 07.0 04.6 250	31 06.6 04.7 259
4.5 ,,	14 04.8 02.9 091	24 07.3 05.6 248	09 07.4 06.8 238		27 09.5 08.3 255	17 11.7 10.3 265	29 08.9 07.9 259
5.4 ,,	04 05.0 02.3 067	22 12.9 11.4 251	08 11.1 10.[illegible] 240		27 12.5 11.9 254	17 16.4 15.2 259	28 14.0 13.2 262
6.0 ,,	01 07.0 07.0 090	22 13.5 13.9 249	06 13.8 13.7 247		26 14.6 13.8 253	16 19.0 18.7 255	26 16.2 15.0 257
7.2 ,,		18 22.3 22.3 243	04 20.5 20.2 238		26 19.6 18.8 250	10 28.9 28.5 251	24 22.5 21.0 256
9.0 ,,		05 28.9 28.9 239	01 14.0 14.0 230		25 23.7 22.7 253	03 32.6 32.3 244	23 24.4 22.9 252

STATION	GAUHATI	GAYA			GOA/DABOLIM	
TIME IN I.S.T.	2330	0530	1730	2330	0530	1730
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	31 00.7 00.5 178	31 01.8 00.7 196	31 01.4 01.0 335	31 01.7 00.7 156	31 01.6 01.3 079	31 05.6 04.1 298
.15 A.G.L.	31 02.4 00.7 173	31 03.7 01.5 213	31 02.8 01.8 336	31 03.8 00.7 208	29 03.8 02.0 040	28 05.2 04.3 288
.3A.M.S.L.	31 02.5 00.2 145	31 04.1 01.0 248	31 02.9 01.7 341	31 03.8 00.3 249	29 04.1 02.1 027	28 04.7 03.9 290
.6 ,,	31 03.1 00.1 355	31 03.5 00.9 323	31 03.3 01.8 335	31 03.8 01.1 330	29 04.9 02.1 034	28 03.7 02.8 303
.9 ,,	31 03.1 00.4 298	31 03.7 01.4 339	31 03.4 01.7 323	31 03.9 02.0 326	29 05.7 02.7 049	28 03.3 01.6 006
1.5 ,,	31 04.3 01.2 258	30 04.4 02.9 330	31 03.7 02.4 300	31 05.1 03.4 298	29 06.0 04.7 077	26 06.2 05.0 058
2.1 ,,	29 04.5 00.9 200	30 04.8 03.5 323	31 04.5 03.2 295	31 05.1 03.9 302	24 07.2 06.3 076	26 08.3 07.4 062
3.0 ,,	22 05.1 03.0 211	28 06.4 04.4 306	31 05.5 04.0 296	29 06.2 04.2 295	06 08.5 07.9 057	23 07.6 06.5 060
3.6 ,,	03 03.7 01.2 083	25 07.2 02.7 024	31 06.7 05.3 291	10 05.4 02.5 248	03 02.7 02.4 095	20 05.9 04.4 072
4.5 ,,		24 07.8 06.2 275	31 08.4 07.3 283	01 01.0 01.0 336	03 02.7 02.0 071	17 05.2 03.3 064
5.4 ,,		23 11.4 09.7 273	30 11.3 10.3 277		01 05.0 05.0 050	16 05.0 03.2 040
6.0 ,,		23 13.7 12.4 272	30 12.7 12.0 270			14 04.9 03.7 040
7.2 ,,		16 17.1 15.7 263	26 17.6 16.8 266			07 05.6 05.4 024
9.0 ,,		08 17.4 15.4 259	10 20.7 19.5 258			01 07.0 07.0 206

STATION	GOA/DABOLIM	GORAKHPUR			GORAKHPUR	
TIME IN I.S.T.	2330	0530	1730	2330	0530	1730
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	31 02.9 02.1 039	31 02.8 02.5 324	31 02.7 01.6 101	31 01.7 01.0 302	31 00.4 00.1 077	31 00.8 00.4 308
.15 A.G.L.	24 04.9 04.0 346	29 04.7 04.1 330	30 04.1 02.5 089	30 03.5 00.5 344	31 03.7 00.7 264	31 03.2 01.8 305
.3A.M.S.L.	24 05.3 04.7 345	29 04.1 02.5 360	30 04.3 02.4 070	30 03.5 00.9 059	31 03.8 00.8 269	31 03.4 02.1 308
.6 ,,	24 05.1 05.0 339	29 04.7 03.0 019	30 04.3 03.1 050	30 03.8 02.1 042	31 03.7 01.7 285	31 03.8 02.8 298
.9 ,,	24 04.4 03.6 345	29 05.5 03.9 025	30 04.7 03.5 024	30 04.0 02.8 038	31 04.1 02.6 295	31 03.7 02.8 296
1.5 ,,	23 05.9 03.7 055	28 06.1 04.9 022	30 05.7 04.6 011	27 05.1 04.3 021	31 04.6 03.8 306	31 03.9 02.6 291
2.1 ,,	22 08.3 07.3 077	26 06.8 05.1 016	30 06.9 04.9 002	24 05.5 03.9 025	31 04.9 03.0 318	30 04.0 02.3 287
3.0 ,,	16 08.3 07.3 062	17 05.9 03.5 026	27 06.6 03.8 004	22 05.2 02.5 006	31 05.1 02.7 308	29 04.9 03.2 295
3.6 ,,	07 06.1 04.7 037	13 04.5 01.9 354	25 06.3 02.6 340	03 06.3 02.6 034	30 05.0 03.3 300	28 05.6 03.7 293
4.5 ,,	04 05.0 04.3 077	13 04.6 03.0 280	22 05.5 01.8 324	01 05.0 05.0 236	30 06.8 05.6 278	24 07.3 06.8 291
5.4 ,,	01 01.0 01.0 060	12 05.1 03.5 282	21 05.7 02.5 283		25 09.2 07.8 272	21 10.6 09.8 281
6.0 ,,		12 06.3 04.2 276	21 06.1 02.6 277		24 12.5 10.8 265	18 12.8 12.1 273
7.2 ,,		06 04.5 04.0 279	09 04.6 03.7 267		15 18.5 16.7 280	11 18.4 17.6 269
9.0 ,,			06 08.2 04.9 247		01 11.0 11.0 265	02 24.5 24.5 266

STATION	GWALIOR				IMPHAL/TULIHAL	
TIME IN I.S.T.	0530	1130	1730	2330	0530	1130
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	31 00.9 00.6 232	31 00.9 00.4 291	31 01.3 01.0 322	31 00.5 00.3 199	31 00.4 00.1 098	31 00.5 00.3 223
.15 A.G.L.	31 04.4 01.4 263	31 02.2 00.9 314	31 04.0 03.0 335	31 04.6 00.6 022	22 02.2 00.4 104	30 01.4 00.6 169
.3A.M.S.L.	31 03.8 01.5 243	31 01.9 00.7 283	31 03.4 02.5 334	31 04.0 00.1 064		
.6 ,,	31 05.1 00.9 356	31 02.9 01.3 296	31 04.4 03.3 327	31 04.5 01.6 354		
.9 ,,	31 04.7 01.6 301	31 03.7 02.1 297	31 04.5 03.2 327	31 04.2 01.9 318	22 02.2 00.4 101	30 01.3 00.7 170
1.5 ,,	31 05.2 03.5 313	31 05.2 04.0 307	31 04.7 03.6 312	31 05.4 03.6 300	22 03.6 00.8 007	30 02.5 00.9 201
2.1 ,,	31 07.1 05.8 316	31 06.5 05.1 313	28 06.3 05.3 305	31 06.5 05.1 304	20 04.0 00.5 181	30 03.9 01.5 214
3.0 ,,	31 09.2 07.4 323	31 07.7 05.5 312	28 07.7 06.2 311	30 07.1 05.0 317	18 05.0 02.6 225	27 05.3 02.5 219
3.6 ,,	31 08.5 06.8 313	30 07.7 05.3 313	28 08.6 07.3 312	22 07.1 05.3 317	12 05.7 03.5 244	24 06.2 04.1 249
4.5 ,,	30 08.4 06.9 304	30 08.5 07.1 296	27 09.7 08.5 307	11 06.9 06.4 295	09 08.4 08.0 248	20 07.2 05.9 255
5.4 ,,	30 10.7 09.4 289	30 10.8 09.4 285	27 12.0 11.0 299	02 04.5 04.5 236	06 10.0 10.0 244	18 12.0 11.1 260
6.0 ,,	30 12.7 11.3 286	30 12.9 11.6 282	27 13.0 11.7 293	02 07.5 07.4 273	06 13.0 12.2 258	17 14.2 13.2 255
7.2 ,,	29 17.8 16.4 278	29 17.1 15.9 278	27 16.2 14.8 286	02 10.5 09.8 312	04 15.5 15.0 259	16 16.6 16.2 249
9.0 ,,	28 24.1 22.8 273	24 23.6 22.9 268	23 23.2 21.9 275		02 20.0 20.0 259	16 20.8 20.3 253

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

OCTOBER, 1967 (ASVINA 9 - KARTIKA 9, 1889 SAKA)

STATION	IMPHAL/TULIHAL								JABALPUR												JAGDALPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.5	00.8	295	31	01.0	00.7	060	31	00.3	00.3	164	31	00.5	00.3	024	31	00.3	00.2	149	31			
.15 A.G.L.	30	03.3	01.8	270	29	02.6	01.0	045	31	03.9	02.1	165	31	03.0	02.1	021	31	04.6	01.9	082	31	02.8	01.3	053
.3A.M.S.L.																								
.6 ,,									31	04.2	01.5	155	31	03.5	02.5	019	31	05.0	01.9	082	31	01.6	00.9	058
.9 ,,	30	03.1	01.6	269	29	02.7	01.3	048	31	04.7	01.1	027	31	03.7	02.8	016	31	04.4	02.5	043	31	04.0	02.0	047
1.5 ,,	30	03.0	01.2	218	29	01.8	00.6	193	31	05.1	03.4	003	31	04.5	03.8	358	31	04.2	02.9	006	31	05.1	04.7	040
2.1 ,,	30	03.5	01.9	228	28	03.5	01.8	207	31	06.4	05.6	350	31	05.8	05.0	352	31	04.8	03.7	346	30	06.2	05.1	031
3.0 ,,	27	04.7	02.5	260	25	04.2	02.6	233	30	07.5	06.6	349	31	06.0	04.9	341	30	06.4	05.3	318	27	05.8	04.3	024
3.6 ,,	25	05.6	04.1	260	19	04.4	03.4	249	29	07.0	06.0	341	29	06.3	04.5	321	16	06.4	05.3	289	26	05.3	03.0	011
4.5 ,,	23	08.6	07.9	263	03	06.7	06.0	245	29	06.9	05.3	305	28	08.3	06.3	289	04	10.5	09.2	289	26	05.0	01.0	357
5.4 ,,	20	11.2	10.2	260					29	08.5	06.8	286	28	10.4	08.9	281					26	04.4	01.2	321
6.0 ,,	19	12.6	11.9	255					28	10.0	08.4	279	27	12.2	10.8	280					25	05.1	01.6	321
7.2 ,,	16	15.8	15.0	262					25	14.3	13.2	272	25	15.2	14.2	271					24	06.3	03.2	291
9.0 ,,	03	12.3	11.9	261					02	08.5	07.0	278	02	10.0	07.7	271					22	09.8	06.7	244

STATION	JAGDALPUR								JAIPUR												JAMSHEDPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.8	00.7	043	31	00.2	00.1	045	31	00.6	00.4	347	31	01.4	01.2	311	31	01.2	00.7	022	31	00.7	00.6	325
.15 A.G.L.	31	03.8	03.1	039	31	05.1	03.5	053	31	05.2	00.3	100	31	04.6	03.0	295	31	07.0	03.1	008	30	02.9	01.8	306
.3A.M.S.L.																					30	02.9	01.4	311
.6 ,,	31	02.5	02.1	040	31	03.2	02.2	055	31	06.0	00.2	219	31	04.6	02.9	297	31	07.1	03.3	003	30	03.5	01.7	360
.9 ,,	31	04.5	03.8	035	31	05.5	04.3	052	31	05.3	02.0	255	31	04.7	02.5	313	31	05.8	02.5	348	29	03.8	02.0	360
1.5 ,,	31	04.5	04.0	025	31	04.4	03.5	049	31	05.3	04.0	285	31	04.4	03.3	303	31	04.5	02.9	294	28	04.4	03.3	351
2.1 ,,	29	05.5	04.3	033	31	04.9	04.0	037	31	07.0	05.5	298	31	04.6	03.7	300	31	05.5	04.5	283	28	04.8	03.0	342
3.0 ,,	29	05.9	04.0	031	30	05.3	03.9	018	30	07.9	05.3	310	31	06.4	04.9	304	31	07.7	05.9	293	25	04.7	02.8	293
3.6 ,,	27	06.1	02.8	033	16	04.9	03.3	347	29	08.0	05.8	323	31	07.6	05.5	305	21	08.5	05.7	310	23	05.5	03.6	278
4.5 ,,	26	05.3	01.9	297	04	05.0	02.2	028	28	08.4	06.7	312	26	08.5	06.9	300					21	07.4	06.0	277
5.4 ,,	24	06.3	02.4	310	02	07.0	06.9	086	17	08.9	06.8	307	16	10.2	09.5	288					19	09.5	08.5	263
6.0 ,,	24	05.9	03.3	298					10	07.7	06.3	269	11	12.9	10.9	289					17	11.8	10.4	262
7.2 ,,	21	07.8	05.5	283					04	17.2	17.1	272	03	17.3	17.1	262					09	13.2	11.5	266
9.0 ,,	14	09.0	06.8	255					01	22.0	22.0	260									03	08.7	05.8	214

STATION	JAMSHEDPUR				JHARSUGUDA												JODHPUR							
TIME IN I.S.T.	1730				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.0	00.7	042	31	01.1	00.9	039	31	01.4	00.2	250	31	01.3	00.4	073	31	03.2	00.6	141	31	01.4	00.6	230
.15 A.G.L.	31	02.6	01.3	045	31	03.0	01.8	064	31	02.9	00.5	321	31	03.0	00.3	198	31	05.2	00.2	252	31	03.4	00.7	204
.3A.M.S.L.	31	02.5	01.3	040	31	02.7	01.8	049	31	02.6	00.3	292	31	02.5	00.4	150	31	04.1	00.3	166	31	02.8	00.8	227
.6 ,,	31	03.1	01.5	027	31	03.9	02.0	046	31	03.1	00.8	335	31	03.4	00.3	238	31	05.6	01.0	248	31	04.0	00.4	197
.9 ,,	31	03.2	01.6	016	31	04.2	01.8	029	31	02.8	01.2	350	31	03.4	00.4	352	31	05.5	02.0	260	31	04.1	01.5	277
1.5 ,,	31	03.8	02.2	350	31	04.4	03.3	013	31	04.0	03.1	347	31	03.7	01.9	020	31	05.4	03.5	264	30	04.8	01.2	255
2.1 ,,	31	04.6	02.9	333	30	05.7	04.3	358	31	05.3	04.5	007	31	04.1	02.6	008	31	04.7	03.3	278	30	05.5	02.1	283
3.0 ,,	25	05.5	04.5	311	30	06.6	04.5	340	30	06.0	04.7	343	27	04.0	02.5	342	31	06.0	04.0	314	29	05.5	02.5	300
3.6 ,,	21	05.9	05.0	296	28	05.6	02.9	319	30	06.0	04.1	315	03	05.0	04.5	291	31	07.0	05.0	324	29	06.1	03.4	309
4.5 ,,	18	08.6	06.9	280	26	06.3	03.1	300	30	07.3	04.9	289	01	01.0	01.0	294	29	08.0	06.2	318	30	07.1	05.4	297
5.4 ,,	18	10.2	08.8	277	26	08.4	04.6	280	30	08.9	06.0	288	01	01.0	01.0	215	28	08.9	07.5	313	28	10.7	09.3	285
6.0 ,,	18	12.3	10.6	278	26	09.7	05.8	269	27	09.7	06.9	282					28	11.0	09.7	297	27	13.5	12.6	285
7.2 ,,	12	14.3	13.5	268	21	13.6	10.5	271	15	14.7	12.9	272					28	17.1	16.3	289	18	19.5	18.4	279
9.0 ,,	02	13.5	12.5	255	14	16.6	14.5	266	07	11.6	09.1	262					28	24.6	22.8	282	01	26.0	26.0	260

STATION	JODHPUR								LUCKNOW/AMAUSI															
TIME IN I.S.T.	1730*				2330				0530*				1130				1730*				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.5	01.5	258	31	03.4	00.9	319	31	00.1	00.1	020	31	01.9	00.9	307	31	01.5	00.8	291	31	00.8	00.2	045
.15 A.G.L.	31	03.7	02.2	265	31	05.4	01.4	262	31	00.4	00.1	344	31	02.9	01.4	301	31	03.9	02.6	320	31	04.9	01.7	035
.3A.M.S.L.	31	03.0	01.7	267	31	05.3	01.2	278	31	00.4	00.1	344	31	02.8	01.5	298	31	03.9	02.6	320	31	05.0	01.5	033
.6 ,,	31	03.7	02.0	268	31	05.5	02.0	265	31	03.8	01.5	324	31	03.0	01.7	290	31	03.6	02.3	328	30	04.5	01.3	353
.9 ,,	31	03.7	01.5	266	31	05.1	02.1	269	31	04.2	01.7	302	31	03.5	02.0	301	31	03.9	02.5	320	30	04.3	02.0	318
1.5 ,,	31	04.0	02.1	275	31	04.6	02.3	281	31	05.9	03.1	328	31	05.1	03.8	316	31	04.6	03.0	311	30	05.6	05.0	297
2.1 ,,	29	04.5	02.8	295	31	04.2	02.3	278	31	07.8	06.2	318	30	06.8	06.3	320	31	05.4	04.3	317	31	07.0	06.3	301
3.0 ,,	29	05.3	03.2	320	23	05.0	03.4	290	29	08.0	06.6	306	29	09.2	08.1	318	31	07.3	06.3	313	24	06.7	05.8	305
3.6 ,,	29	06.2	04.2	325	08	07.7	06.3	304	28	08.4	07.5	314	29	08.7	07.3	308	30	08.4	07.2	311	05	08.4	08.2	327
4.5 ,,	29	07.5	06.0	309					27	09.7	08.1	298	29	08.7	07.8	344	29	09.6	08.3	293	01	05.0	05.0	285
5.4 ,,	29	10.0	09.3	305					24	11.8	10.1	260	27	12.9	12.2	290	28	11.2	09.9	289				
6.0 ,,	28	12.4	11.1	303					24	12.6	11.1	278	27	15.6	14.5	277	28	13.3	12.0	286				
7.2 ,,	28	16.2	15.0	297					24	16.8	14.5	269	24	21.7	20.0	266	27	17.9	16.3	278				
9.0 ,,	26	23.1	21.2	284					18	27.4	25.0	267	20	34.8	34.0	264	27	28.0	24.8	268				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

OCTOBER, 1967 (ASVINA 9 - KARTIKA 9, 1889 SAKA)

STATION	MADRAS/MINAMBAKKAM																MANGALORE/BAJPE							
TIME IN I.S.T.	0530 *				1130				1730 *				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
URFACE	31	03.8	02.0	336	31	03.1	02.0	004	31	04.1	03.0	030	31	01.7	00.6	018	31	00.9	00.9	088	31	03.7	03.3	288
.15 A.G.L.	31	05.0	02.7	352	31	04.7	03.0	013	31	05.8	04.5	045	29	05.6	03.1	044	30	03.5	01.9	071	30	05.0	04.7	283
.3A.M.S.L.	31	05.3	02.8	358	31	04.6	02.5	018	31	05.4	04.1	035	29	06.0	03.7	042	30	03.6	01.6	060	30	05.0	04.5	282
.6 ,,	31	05.8	02.6	017	31	05.1	03.4	017	31	05.2	04.1	034	29	06.3	04.1	044	30	04.5	01.7	036	30	04.0	03.2	306
.9 ,,	31	06.2	03.4	020	30	05.9	04.1	019	31	05.2	03.9	036	29	06.5	04.5	040	30	04.8	02.2	042	29	03.5	02.0	326
1.5 ,,	31	06.8	04.5	032	28	07.1	04.8	024	31	06.1	03.8	023	28	06.6	05.3	029	28	05.6	03.7	051	29	05.6	03.5	051
2.1 ,,	31	06.1	04.1	030	24	06.5	03.3	027	30	06.0	01.5	080	26	05.6	04.3	036	27	06.6	05.2	053	25	07.8	06.3	065
3.0 ,,	31	05.5	03.2	048	13	04.7	01.7	028	30	05.5	03.3	039	25	05.6	04.3	050	27	06.1	04.4	055	23	05.4	04.1	070
3.6 ,,	31	05.7	02.9	050	07	04.0	01.4	005	29	05.[illegible]	03.[illegible]	085	10	05.4	03.8	039	27	05.9	03.8	065	21	04.5	03.7	074
4.5 ,,	31	05.5	03.1	055	04	[illegible]	02.4	308	29	05.[illegible]	02.5	062	04	04.3	02.6	037	26	05.4	02.8	076	21	05.5	04.6	076
5.4 ,,	30	05.0	02.8	065	04	05.3	03.5	298	29	05.[illegible]	[illegible]	043	01	05.0	05.0	080	24	06.0	03.8	065	20	06.1	05.1	066
6.0 ,,	29	05.8	03.5	068	04	04.5	03.2	311	29	05.4	02.2	042	01	07.0	07.0	085	22	06.6	04.5	053	20	07.1	06.2	063
7.2 ,,	28	05.3	03.5	086	03	04.0	03.1	239	29	05.3	01.9	081					14	05.9	04.5	065	15	06.9	05.2	066
9.0 ,,	27	04.9	01.5	114	02	03.0	00.3	213	29	04.3	02.0	140					08	04.6	01.1	207	09	04.2	01.6	099

STATION	MANGALORE/BAJPE				MINICOY												NAGPUR/SONEGAON							
TIME IN I.S.T.	2330				0530				1130				1730*				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
URFACE	31	00.6	00.4	080	31	01.8	01.2	290	31	02.2	01.6	296	31	02.1	01.8	277	31	02.1	01.4	288	31	00.8	00.4	060
.15 A.G.L.	30	03.2	01.7	324	27	04.1	02.5	302	30	04.2	02.9	307	31	04.3	03.5	286	29	04.8	03.1	302	31	04.0	01.6	058
.3A.M.S.L.	30	03.4	01.9	319	27	04.0	02.1	294	30	04.3	02.8	307	31	04.4	03.3	291	29	04.9	03.2	306				
.6 ,,	30	03.5	02.3	330	27	04.4	01.7	300	30	04.[illegible]	02.4	317	31	04.9	03.2	302	29	04.7	02.9	309	31	04.2	01.8	060
.9 ,,	29	03.9	02.0	357	25	05.0	01.7	309	27	04.3	02.0	325	31	04.9	02.7	326	25	05.0	02.7	319	31	04.7	02.1	067
1.5 ,,	26	06.3	05.0	060	24	05.3	01.1	346	23	04.8	01.8	359	31	04.9	02.2	330	23	05.1	02.4	332	31	04.8	03.0	023
2.1 ,,	25	07.2	05.9	067	22	04.6	01.3	350	16	05.2	01.4	330	31	04.7	02.1	333	19	05.4	02.6	337	31	05.8	04.8	006
3.0 ,,	24	05.0	04.0	075	19	04.7	00.7	314	11	03.5	01.9	247	31	05.1	01.8	311	13	06.1	03.8	291	31	05.7	04.1	359
3.6 ,,	16	04.7	04.0	058	17	05.3	00.6	258	09	04.0	00.3	232	31	05.5	01.0	326	08	05.1	03.3	290	31	06.1	03.3	338
4.5 ,,	09	06.0	05.4	049	12	06.1	00.4	052	06	04.8	00.7	203	28	06.4	00.7	044	02	05.0	03.4	280	30	06.1	03.5	311
5.4 ,,	02	05.0	02.9	031	12	05.4	02.4	081	06	04.7	01.3	134	28	07.1	02.4	086	01	03.0	03.0	130	30	07.3	05.7	295
6.0 ,,	01	04.0	04.0	345	09	04.0	01.6	064	06	04.0	02.1	123	28	06.0	02.4	086	01	03.0	03.0	100	30	08.5	05.3	278
7.2 ,,					06	03.8	02.1	098	06	04.5	02.1	090	28	05.4	02.5	095					30	10.3	08.9	246
9.0 ,,					04	07.0	04.6	130	04	05.3	02.4	064	27	06.8	04.7	105					30	12.4	10.6	258

STATION	NAGPUR/SONEGAON												NEW DELHI/SAFDARJUNG											
TIME IN I.S.T.	1130				1730 *				2330				0530 *				1130				1730 *			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
URFACE	31	01.5	00.9	033	31	01.0	00.7	040	31	01.1	00.4	058	31	01.3	00.4	341	31	02.1	01.3	289	31	01.3	00.7	336
.15 A.G.L.	31	03.2	01.9	032	31	03.6	02.7	052	31	04.7	03.0	100	31	05.3	01.6	344	31	03.7	01.8	289	31	04.0	02.4	333
.3A.M.S.L.													31	03.1	00.5	347	31	03.5	01.7	295	31	03.2	01.8	335
.6 ,,	31	03.7	02.2	054	31	03.7	03.1	050	31	04.8	03.1	096	31	05.0	02.2	316	31	03.9	02.1	300	31	04.2	02.5	329
.9 ,,	31	03.6	02.2	052	31	03.6	03.4	049	31	04.[illegible]	03.1	083	31	04.9	02.9	300	31	04.7	02.8	300	31	04.7	02.7	318
1.5 ,,	31	04.6	03.4	035	31	03.5	03.1	037	31	04.9	03.9	039	31	06.1	04.9	301	31	06.1	04.1	292	31	05.5	03.9	303
2.1 ,,	31	05.9	05.0	022	31	05.0	04.3	009	31	06.1	05.1	011	31	07.3	06.0	300	30	07.0	04.6	295	31	06.9	05.3	302
3.0 ,,	30	06.0	04.1	002	31	05.8	04.1	350	31	06.0	04.5	359	31	08.8	07.0	305	30	08.3	05.2	301	31	08.1	06.0	306
3.6 ,,	28	06.4	03.8	339	30	05.8	03.7	336	17	06.1	04.7	340	31	09.0	07.1	313	29	08.0	05.4	301	31	09.2	06.9	305
4.5 ,,	28	06.4	03.9	315	30	06.9	05.3	313	01	10.0	10.0	235	31	09.8	07.9	308	29	09.9	05.6	297	31	09.8	07.7	300
5.4 ,,	24	06.9	04.4	289	29	08.6	05.9	296					31	10.6	09.4	295	23	11.5	09.6	291	31	11.5	09.7	296
6.0 ,,	24	08.0	05.1	297	29	07.6	06.3	286					31	12.4	11.5	291	22	13.6	12.4	291	31	13.3	11.9	289
7.2 ,,	24	10.3	08.1	272	29	09.5	07.7	270					31	17.5	16.5	283	20	18.6	17.3	279	30	17.2	15.9	281
9.0 ,,	22	14.8	12.4	254	29	12.0	09.6	257					31	25.6	24.3	277	13	25.8	24.9	272	30	25.4	23.3	278

STATION	NEW DELHI/SAFDARJUNG				DELHI								PORT BLAIR							
TIME IN I.S.T.	2330				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
URFACE	31	01.1	00.5	278	31	00.1	00.1	225	31	00.9	00.4	346	31	00.3	00.3	250	31	02.5	01.5	135	31	03.7	01.0	177
.15 A.G.L.	31	05.7	02.4	348	31	02.7	00.2	360	31	03.9	01.5	328	31	04.0	02.6	292	31	06.6	02.6	159	27	05.7	01.5	184
.3A.M.S.L.	31	04.8	02.2	348													31	06.6	02.6	159	27	06.0	01.9	183
.6 ,,	31	06.1	02.6	327	31	01.6	01.2	235	31	02.8	01.2	349	31	02.0	01.6	240	31	07.3	02.6	154	26	06.6	01.8	178
.9 ,,	31	05.7	03.1	303	31	04.5	02.0	054	31	04.2	02.1	002	31	05.3	03.5	327	31	07.5	02.6	155	22	06.6	01.6	205
1.5 ,,	30	05.8	04.3	292	31	07.0	05.3	081	29	04.1	02.6	029	30	06.5	04.7	051	30	07.1	02.5	149	11	05.8	02.6	080
2.1 ,,	30	07.7	06.3	296	28	06.1	05.4	064	28	04.8	04.0	058	27	06.9	06.1	075	29	07.7	02.4	156	08	05.5	01.5	105
3.0 ,,	30	08.5	06.8	294	27	05.6	04.0	048	27	05.7	05.0	066	26	06.3	05.2	077	29	07.5	02.3	157	04	05.7	02.0	244
3.6 ,,	06	06.5	06.1	293	20	04.9	02.8	017	21	05.3	03.2	057	17	05.6	03.0	063	29	08.0	02.7	152				
4.5 ,,					05	06.2	04.8	305	14	04.0	01.8	306	01	02.0	02.0	085	26	07.7	02.8	148				
5.4 ,,					02	05.5	04.4	294	14	05.4	04.0	286					21	06.7	02.7	124				
6.0 ,,									14	06.7	05.0	277					20	06.7	02.4	095				
7.2 ,,									10	07.7	04.7	294					20	07.1	04.3	083				
9.0 ,,									01	04.0	04.0	013					21	08.3	05.3	103				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

OCTOBER,1967 (ASVINA 9 - KARTIKA 9,1889 SAKA)

STATION	PORT BLAIR								RAIPUR												RAXAUL			
TIME IN I.S.T.	1730 *				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.8	01.0	203	31	02.8	00.7	158	31	00.8	00.4	009	31	01.3	00.6	033	31	00.9	00.4	145	31	01.2	00.8	075
.15 A.G.L.	31	06.5	02.1	195	28	04.9	00.9	188	31	04.2	01.1	001	31	03.7	01.6	043	31	04.0	01.8	107	29	02.5	01.9	109
.3A.M.S.L.	31	06.6	02.2	200	28	05.2	00.6	220													29	02.5	01.3	111
.6 ,,	31	07.4	02.6	214	28	06.2	01.8	184	31	04.7	01.0	027	31	03.9	01.9	042	31	04.3	01.8	094	29	02.7	00.9	200
.9 ,,	31	07.9	02.6	214	23	06.1	02.1	177	31	04.2	01.6	037	31	03.9	02.6	038	31	04.0	02.0	058	29	01.8	00.8	269
1.5 ,,	29	07.8	01.8	220	20	05.7	02.0	175	31	04.3	03.5	031	31	04.5	03.3	023	31	05.1	04.1	024	25	03.5	01.9	296
2.1 ,,	26	06.0	00.8	224	17	04.4	01.1	164	30	05.8	05.1	008	31	05.7	05.1	012	31	05.7	05.0	012	22	03.6	00.5	311
3.0 ,,	25	05.8	00.8	103	15	05.0	01.7	141	30	06.5	05.1	355	30	07.2	05.2	353	30	05.7	03.2	351	18	04.2	01.5	297
3.6 ,,	23	05.7	01.2	096	10	04.2	00.9	217	30	06.6	03.6	342	29	07.0	04.8	331	26	05.8	02.8	328	14	05.1	02.9	304
4.5 ,,	23	06.9	01.4	071	07	03.9	00.9	147	29	06.1	03.3	306	26	06.8	04.5	286	03	07.0	05.4	278	13	06.7	05.3	284
5.4 ,,	23	07.7	03.7	079	03	05.3	05.2	106	29	06.7	03.9	279	24	08.3	06.3	276					12	11.0	09.5	272
6.0 ,,	22	07.2	03.8	078	03	05.0	04.7	090	29	07.8	04.8	267	23	09.7	07.6	275					12	14.5	12.6	267
7.2 ,,	21	06.9	05.3	078					27	09.9	06.6	262	18	12.1	11.4	273					04	18.5	18.0	254
9.0 ,,	17	06.5	05.1	087					23	13.0	10.0	261	09	11.9	11.0	267					02	11.0	10.8	253

STATION	RAXAUL				SRINAGAR								TIRUCHCHIRAPPALLI											
TIME IN I.S.T.	1730				0530 *				1730 *				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.0	00.5	317	22	00.0	00.0	000	22	00.7	00.4	308	31	03.2	02.1	306	31	03.6	01.2	061	31	02.6	00.3	274
.15 A.G.L.	30	02.5	01.4	298	22	01.8	00.1	144	22	02.2	01.5	326	30	06.4	04.1	318	30	04.7	02.0	066	27	05.9	01.3	095
.3A.M.S.L.	30	02.5	01.7	240									30	07.4	04.5	318	30	04.9	02.0	064	27	06.5	01.6	088
.6 ,,	30	02.7	02.0	290									30	08.2	04.3	328	30	05.7	02.7	041	27	06.9	02.8	061
.9 ,,	30	02.7	02.0	276									29	07.6	03.7	349	30	06.2	03.0	029	27	06.6	03.7	046
1.5 ,,	30	03.8	02.5	264									29	06.7	03.4	360	30	06.5	03.6	001	27	06.1	04.4	025
2.1 ,,	29	04.5	01.5	267	22	01.9	00.7	175	22	02.5	01.1	320	29	05.9	03.1	016	30	06.3	03.2	352	23	06.0	03.7	011
3.0 ,,	26	04.8	01.2	269	22	01.9	00.2	135	22	02.9	00.5	159	24	06.0	02.4	342	23	06.2	02.3	341	18	04.9	02.6	031
3.6 ,,	20	05.1	00.4	248	22	03.0	00.7	138	22	03.6	01.3	231	23	06.2	01.9	334	21	06.7	02.7	331	14	05.5	01.9	036
4.5 ,,	16	06.3	02.6	247	22	04.2	00.1	278	22	04.0	01.7	247	22	06.1	01.9	345	18	05.3	02.7	050	09	05.6	03.7	070
5.4 ,,	15	10.1	09.0	268	21	07.2	00.3	281	22	05.5	02.4	243	15	04.9	01.8	043	14	05.9	02.5	047				
6.0 ,,	15	12.0	11.4	266	21	09.7	00.5	286	21	07.9	04.9	272	12	05.8	03.3	068	14	05.6	02.5	068				
7.2 ,,	02	25.0	24.7	249	21	13.2	10.0	280	19	10.5	07.0	285	08	04.7	03.5	074	11	05.6	03.7	079				
9.0 ,,					18	19.7	16.0	290	18	14.5	09.9	281	05	04.4	02.9	116	02	07.0	05.3	092				

STATION	TRIVANDRUM																UDAIPUR							
TIME IN I.S.T.	0530 *				1130				1730 *				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.1	01.8	308	31	01.7	01.4	297	31	02.6	02.2	282	31	01.3	00.9	357	31	00.1	00.1	315	31	00.6	00.4	272
.15 A.G.L.	31	04.3	03.5	318	30	03.7	02.6	299	28	04.7	03.5	282	28	03.5	01.5	316	31	02.6	01.3	323	31	03.6	02.3	271
.3A.M.S.L.	31	04.1	03.9	317	30	04.0	03.0	303	28	04.7	03.7	280	28	03.5	01.7	300								
.6 ,,	31	04.0	02.8	311	28	03.4	02.5	305	28	04.4	03.4	275	28	04.2	02.3	285								
.9 ,,	31	04.4	02.5	321	25	03.3	02.1	307	28	04.5	02.9	290	27	04.6	02.4	293	31	04.1	01.5	294	31	04.1	02.8	282
1.5 ,,	31	05.1	01.3	288	15	04.9	01.9	323	31	05.3	02.2	335	23	05.6	02.0	342	31	04.4	01.6	294	31	03.8	02.5	297
2.1 ,,	31	05.9	02.2	342	12	04.8	01.9	314	31	06.1	02.5	205	18	06.4	02.2	326	31	05.0	02.0	287	31	03.6	01.8	312
3.0 ,,	31	06.3	01.6	328	06	05.1	01.9	338	31	06.5	02.3	312	12	06.2	02.1	297	31	06.1	02.6	315	31	04.8	01.7	320
3.6 ,,	30	06.0	01.5	326	05	05.8	02.5	028	31	06.9	01.5	325	08	05.7	02.3	255	31	07.0	03.9	335	28	06.0	02.8	328
4.5 ,,	30	06.2	00.8	315	05	06.6	02.2	070	30	06.5	00.8	025	03	06.0	02.3	150	30	07.3	05.4	328	27	08.2	05.6	315
5.4 ,,	30	05.8	01.3	072	03	08.0	08.0	097	30	07.0	02.2	050	01	03.0	03.0	120	30	09.2	07.7	300	26	10.3	08.0	310
6.0 ,,	30	04.8	01.6	070	03	07.3	07.2	097	30	06.1	03.4	058					30	11.0	09.7	293	26	12.3	10.9	306
7.2 ,,	30	05.3	03.5	082	02	08.0	08.0	107	30	06.2	03.0	089					28	15.5	14.3	293	21	16.7	11.7	301
9.0 ,,	29	07.5	05.6	094	02	08.5	07.2	145	26	07.1	05.6	098					20	20.4	18.7	285	07	14.7	13.2	277

STATION	UDAIPUR				VELGURLA												VERAVAL							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.1	00.1	270	31	00.5	00.4	017	31	01.8	01.5	273	31	00.7	00.6	004	31	03.4	02.0	007	31	04.6	03.3	276
.15 A.G.L.	31	03.2	00.8	322	31	03.5	02.3	024	31	04.6	04.1	278	30	04.1	03.5	358	31	07.6	06.0	348	31	05.6	04.4	267
.3A.M.S.L.					31	04.3	02.3	023	31	05.1	04.3	279	30	04.9	04.4	349	31	06.8	05.2	343	31	05.6	03.7	268
.6 ,,					31	04.8	02.1	041	31	04.4	03.2	310	30	05.1	04.7	344	31	06.1	04.1	344	31	04.6	02.1	280
.9 ,,	31	04.0	02.1	301	30	05.4	02.5	058	30	04.2	02.6	339	29	04.8	03.9	353	30	05.6	02.5	358	31	03.8	01.2	295
1.5 ,,	31	03.9	01.8	299	29	06.2	04.9	084	27	05.2	04.4	051	27	05.8	04.1	053	30	04.7	01.9	045	31	04.0	02.3	002
2.1 ,,	31	04.0	01.5	284	26	06.5	05.9	075	25	08.4	07.8	066	25	08.2	07.6	075	30	04.8	02.6	087	31	05.1	03.0	019
3.0 ,,	29	05.4	01.9	331	20	06.1	05.6	059	25	08.8	08.0	070	20	07.0	06.4	066	28	05.7	02.3	079	31	06.2	04.8	028
3.6 ,,	27	06.2	03.7	326	11	03.6	03.0	048	23	06.8	05.8	062	12	04.3	03.1	069	04	03.7	03.5	041	31	06.3	04.0	018
4.5 ,,	10	07.9	05.9	327					21	05.1	04.1	056					01	04.0	04.0	040	31	06.8	03.2	348
5.4 ,,	02	09.5	08.9	314					20	05.4	04.5	043									31	08.6	05.0	330
6.0 ,,	02	14.5	13.4	303					20	05.9	04.2	038									31	09.8	06.3	329
7.2 ,,	02	12.5	11.1	291					18	05.8	03.6	017									30	12.0	07.5	330
9.0 ,,									17	05.8	02.6	354									17	13.9	11.2	292

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

OCTOBER,1967 (ASVINA 9 - KARTIKA 9,1889 SAKA)

STATION	VERAVAL				VIJAYWADA/GANNAVARAM												VISHAKHAPATNAM							
TIME IN I.S.T.	2330				0530				1730				2330				0530 *				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.9	01.3	323	31	01.8	00.9	026	31	02.4	01.1	091	31	01.3	00.7	073	31	04.8	04.2	010	31	02.4	01.9	072
.15 A.G.L.	31	06.0	04.6	318	30	04.6	03.2	039	31	04.0	02.6	099	31	05.1	03.2	094	31	07.2	06.7	013	31	04.7	03.8	072
.3A.M.S.L.	31	06.3	04.6	315	30	04.6	03.1	055	31	04.4	02.9	089	31	05.2	03.8	095	31	06.6	06.0	016	31	04.7	03.5	063
.6 ,,	31	05.6	03.3	325	30	05.1	03.5	057	31	04.7	03.3	070	31	05.1	03.9	084	31	05.0	04.0	041	31	04.7	04.1	049
.9 ,,	31	05.1	01.9	335	30	05.3	03.8	058	31	05.0	03.9	062	31	05.3	04.0	067	31	05.1	04.0	049	31	05.3	04.5	046
1.5 ,,	31	05.1	01.7	029	30	06.1	04.6	046	30	06.1	05.1	041	31	05.8	04.6	052	31	05.3	04.4	052	31	06.0	05.2	042
2.1 ,,	31	05.3	03.5	045	30	06.1	04.7	049	30	06.9	06.0	036	31	06.0	05.4	055	31	05.6	04.1	044	29	06.1	05.3	039
3.0 ,,	31	06.2	04.7	051	28	05.7	04.7	046	30	06.9	05.8	039	31	05.4	03.6	047	31	05.5	03.5	038	29	06.8	04.1	041
3.6 ,,	20	04.9	03.2	049	27	05.2	04.0	051	28	06.0	04.5	040	28	04.6	02.7	048	30	04.7	02.2	036	27	05.0	02.6	025
4.5 ,,	09	06.7	03.4	003	26	04.9	03.1	042	24	05.3	[illegible]	042	18	04.0	01.6	069	30	04.8	02.1	023	27	04.8	01.6	036
5.4 ,,	04	09.5	06.0	007	22	05.0	03.0	053	24	04.9	[illegible]	[illegible]	07	03.0	00.7	316	30	04.5	01.6	042	25	04.4	00.4	073
6.0 ,,	03	11.7	04.2	017	22	05.5	03.1	050	23	04.9	01.8	042	07	03.0	01.4	008	30	04.6	01.2	045	24	04.4	00.7	218
7.2 ,,					20	05.0	02.1	021	20	04.7	01.3	020					30	04.7	00.3	268	11	05.2	02.0	282
9.0 ,,					16	04.6	01.3	229	10	05.5	03.3	185					30	07.9	04.0	229	05	08.4	06.9	262

STATION	VISHAKHAPATNAM							
TIME IN I.S.T.	1730 *				2330			
HT IN KM.	N	S	V	D	N	S	V	D
SURFACE	31	04.0	03.6	042	31	01.7	00.8	035
.15 A.G.L.	31	05.7	05.1	047	31	04.3	01.5	056
.3A.M.S.L.	31	05.4	04.7	053	31	04.5	01.6	065
.6 ,,	31	04.8	04.2	063	31	04.8	02.7	070
.9 ,,	31	05.2	04.6	047	30	05.0	03.6	066
1.5 ,,	31	06.6	05.7	031	28	05.3	04.7	040
2.1 ,,	31	06.5	05.5	028	27	05.6	05.0	045
3.0 ,,	30	04.6	03.1	026	22	04.7	02.8	039
3.6 ,,	30	04.8	02.0	001	15	03.5	00.9	005
4.5 ,,	30	04.4	01.3	355	05	03.8	00.6	180
5.4 ,,	30	04.5	01.2	354	01	04.0	04.0	290
6.0 ,,	30	04.8	01.7	331	01	07.0	07.0	305
7.2 ,,	30	04.7	02.0	299	01	08.0	08.0	275
9.0 ,,	30	06.9	03.7	246	01	14.0	14.0	285

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

OCTOBER, 1967 (ASVINA 9 - KARTIKA 9, 1889 SAKA)

STATION	AGARTALA				AHMADABAD												ALLAHABAD/BAMRAULI				AMINI			
TIME IN I.S.T.	0530				0530				1130				1730				0530				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	02	10.0	09.7	254	19	19.1	17.4	290	14	20.9	19.6	267	20	19.1	17.2	285	02	19.0	18.9	267	01	06.0	06.0	290
12.0	01	02.0	02.0	024	15	20.1	16.0	282	10	22.0	21.2	258	16	18.0	15.7	278	01	15.0	15.0	241	01	07.0	07.0	255
14.1					12	19.7	18.0	273	05	20.0	17.4	254	13	15.3	13.3	271	01	16.0	16.0	245				
16.2					06	21.3	21.1	261	05	15.2	12.8	260	10	09.7	08.1	261								
18.0					02	07.0	02.0	266	03	05.0	04.5	114	03	07.3	01.7	292								
21.0									01	07.0	07.0	109	01	14.0	14.0	140								
24.0																								
27.0																								
30.0																								
33.0																								

STATION	ANANTAPUR				ASANSOL								AURANGABAD/CHIKALTHAN				BANGALORE							
TIME IN I.S.T.	0530				0530				1730				1730				0530@				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	06	05.5	04.3	237	11	18.1	17.0	253	04	17.2	16.9	239	04	14.3	14.0	260	09	04.8	02.0	182	09	05.0	03.2	179
12.0	06	08.3	07.2	247	04	09.7	07.5	243	02	09.0	08.8	228					09	05.4	01.5	221	08	05.5	04.7	176
14.1					03	11.7	09.2	215									07	08.1	04.8	132	08	07.3	06.1	167
16.2					03	07.3	02.6	147									06	08.3	08.3	113	08	09.6	09.1	144
18.0					02	05.5	05.0	097									05	05.8	05.6	116	08	14.0	13.5	130
21.0					01	07.0	07.0	104									05	09.6	09.6	092	08	06.3	05.7	106
24.0																	01	10.0	10.0	085	06	08.0	04.8	092
27.0																					04	13.3	05.0	079
30.0																					03	19.0	05.3	284
33.0																								

STATION	BANGALORE				BAREILLY								BEGAMPET											
TIME IN I.S.T.	1730@				0530				1730				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	11	05.1	03.3	161	03	47.3	46.4	255	01	47.0	47.0	260	31	08.2	04.6	233	09	08.4	06.9	259	31	08.5	04.7	234
12.0	11	07.7	05.3	141					01	48.0	48.0	260	31	10.1	06.0	220	07	10.3	07.7	220	31	10.4	06.5	212
14.1	08	10.5	10.3	141									31	12.6	08.5	176	05	11.6	10.4	201	31	12.5	08.4	176
16.2	04	08.0	07.6	107									30	10.0	05.8	149	03	10.3	09.2	187	31	09.8	06.2	147
18.0	04	04.5	03.7	102									28	06.3	04.6	106	03	11.7	11.4	146	29	07.2	04.7	111
21.0	03	06.3	06.1	099									22	07.6	07.1	081	03	05.0	03.9	132	23	08.6	07.3	092
24.0	01	19.0	19.0	090									11	12.5	12.3	093	01	08.0	08.0	080	14	14.5	13.7	089
27.0													05	23.0	22.6	089					08	22.1	22.0	089
30.0																					01	15.1	15.1	075
33.0																								

STATION	BHOPAL/RAIRAGARH								BHUBANESHWAR								BHUJ/RUDRAMATA				BOMBAY			
TIME IN I.S.T.	0530				1730				0530				1730				0530				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	21	16.4	14.9	262	08	11.9	10.1	255	07	17.2	15.8	244	01	13.0	13.0	252	01	18.0	18.0	335	25	10.7	06.7	279
12.0	14	14.4	13.4	254	05	11.4	09.4	250	03	17.0	15.1	226	01	10.0	10.0	233	01	21.0	21.0	324	25	12.5	09.1	261
14.1	10	16.1	15.7	256	03	11.7	09.3	201	02	12.5	10.1	240	01	08.0	08.0	230	01	21.0	21.0	315	20	15.6	08.2	223
16.2	05	12.4	09.2	247	02	20.0	18.1	218	02	11.5	08.6	214									17	11.7	08.7	241
18.0	03	05.7	02.7	298																	09	06.5	02.4	140
21.0																					03	03.3	02.8	245
24.0																					03	09.3	07.2	100
27.0																								
30.0																								
33.0																								

STATION	BOMBAY/SANTACRUZ								CALCUTTA/DUM DUM												DEHRA DUN			
TIME IN I.S.T.	1130				1730*				0530*				1130				1730*				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	05	19.6	17.5	242	26	11.1	07.7	271	28	16.1	14.5	244	04	26.0	25.5	258	30	17.3	15.2	248	05	20.2	19.6	264
12.0	01	13.0	13.0	215	26	13.1	09.3	258	28	17.5	14.9	141	04	27.2	26.5	254	30	18.2	16.0	240	04	33.0	32.7	258
14.1					21	14.3	10.4	247	27	18.6	14.6	226	02	38.0	34.8	251	29	18.1	14.2	227	03	30.3	30.3	261
16.2					16	09.7	05.3	222	25	11.8	07.1	210	02	40.5	40.0	251	26	11.3	08.5	221	01	25.0	25.0	250
18.0					12	05.4	03.0	120	14	05.8	00.5	132	02	37.5	37.1	246	15	06.9	03.0	149				
21.0					04	04.7	04.1	215	10	07.6	06.6	099	01	40.0	40.0	230	08	09.4	04.9	096				
24.0									01	16.0	16.0	095	01	34.0	34.0	210								
27.0																								
30.0																								
33.0																								

STATION	DEHRADUN				DIBRUGARH/MOHANBARI												GADAG							
TIME IN I.S.T.	1730				0530				1130				1730				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	03	25.7	25.7	268	06	32.7	32.4	247	07	35.6	34.0	244	01	28.2	28.2	256	15	06.1	04.1	231	09	07.0	05.5	233
12.0	01	30.0	30.0	270	03	39.7	39.3	245	04	35.8	35.5	249					14	07.5	05.9	227	07	07.0	05.1	245
14.1																	11	09.2	07.5	189	04	10.0	08.9	144
16.2																	10	08.5	05.7	171	03	09.7	09.4	118
18.0																	08	05.3	03.4	110	02	09.0	08.5	074
21.0																	04	05.3	03.5	088	02	06.5	05.8	100
24.0																								
27.0																								
30.0																								
33.0																								

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

OCTOBER,1967 (ASVINA 9 - KARTIKA 9,1889 SAKA)

STATION	GANGTOK				GAUHATI								GAYA								GOPALPUR			
TIME IN I.S.T.	0530				0530*				1730*				0530				1730				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	02	24.5	24.5	265	25	27.0	26.6	251	21	28.0	27.1	252	05	17.2	16.6	240	03	15.0	14.7	231	03	11.3	10.6	247
12.0	01	10.0	10.0	250	22	24.9	23.6	249	20	26.5	25.3	246	03	20.0	19.9	234	02	19.0	18.5	241	01	08.0	08.0	194
14.1					17	26.7	26.3	244	18	26.3	24.4	240												
16.2					15	20.7	16.7	249	13	17.6	15.8	245												
18.0					08	11.6	08.4	237	02	05.5	01.9	111												
21.0					06	07.5	04.3	166																
24.0																								
27.0																								
30.0																								
33.0																								

STATION	GWALIOR												IMPHAL/TULIHAL								JAGDALPUR			
TIME IN I.S.T.	0530				1130				1730				0530				1130				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	23	27.4	26.8	263	19	29.8	28.9	265	19	27.3	25.5	266	02	26.5	26.5	249	08	20.8	20.4	246	19	11.5	08.3	238
12.0	18	27.9	26.9	257	12	28.8	28.3	255	15	27.2	24.9	254	02	31.0	31.0	244	05	23.8	22.4	256	15	13.3	08.4	227
14.1	10	24.4	23.8	254	08	20.8	20.1	249	06	16.7	15.5	226					02	22.5	22.5	233	13	14.7	10.1	188
16.2	07	15.7	15.1	254	05	12.8	11.0	226	02	05.5	03.8	257									11	10.2	06.6	130
18.0	06	10.2	09.4	278	03	05.3	02.7	248	01	15.0	15.0	275									08	17.1	11.3	141
21.0	03	06.7	06.2	312	01	07.0	07.0	230													05	19.2	13.8	166
24.0	01	11.0	11.0	110																	01	15.0	15.0	110
27.0																								
30.0																								
33.0																								

STATION	JHARSUGUDA								JODHPUR								LUCKNOW/AMAUSI							
TIME IN I.S.T.	0530				1730				0530*				1730*				0530 *				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	09	20.0	17.4	259	04	15.7	09.1	255	28	29.2	27.7	277	25	25.3	24.0	274	17	31.6	28.4	261	12	44.7	44.4	258
12.0	04	24.0	18.0	260	01	17.0	17.0	143	24	31.7	29.3	276	25	27.3	26.4	273	14	33.5	32.5	248	05	67.4	66.4	257
14.1	03	21.7	16.8	209	01	17.0	17.0	130	20	25.1	24.8	268	22	22.0	20.0	273	12	30.1	30.0	250				
16.2	02	08.5	03.3	125					18	20.5	19.0	269	19	14.9	13.8	268	08	25.0	23.5	250				
18.0									10	09.0	06.3	288	14	07.2	03.7	241	02	11.0	09.4	285				
21.0									06	12.5	03.2	301	10	09.2	01.4	205	01	10.0	10.0	120				
24.0									02	06.0	01.0	332	03	07.0	05.7	070								
27.0																								
30.0																								
33.0																								

STATION	LUCKNOW/AMAUSI				MADRAS/MINAMBAKKAM												MANGALORE/BAJPE							
TIME IN I.S.T.	1730				0530 *				1130				1730*				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	23	35.1	31.8	261	26	06.6	03.3	124	01	04.0	04.0	235	28	06.2	04.1	220	01	08.0	08.0	105	08	06.6	04.2	154
12.0	23	35.6	33.6	259	24	08.9	05.3	132	01	07.0	07.0	190	28	08.3	06.1	126					08	08.1	04.3	146
14.1	18	30.9	28.6	259	18	14.3	12.6	120	01	02.0	02.0	180	24	12.1	10.1	124					05	10.2	09.5	125
16.2	13	23.8	21.1	264	12	11.1	10.7	105					17	08.7	07.7	103					04	17.5	16.5	128
18.0	08	09.6	05.4	223	04	02.2	02.0	095					08	06.5	03.1	135					04	10.0	09.1	100
21.0	02	06.0	03.2	312	01	07.0	07.0	095					01	06.0	06.0	115					04	09.0	08.4	100
24.0													01	17.0	17.0	090								
27.0																								
30.0																								
33.0																								

STATION	MINICOY												NAGPUR/SONEGAON											
TIME IN I.S.T.	0530				1130				1730 *				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	02	10.0	07.7	200	01	06.0	06.0	090	27	08.1	05.7	108	30	15.7	14.2	246	18	18.2	16.6	245	29	14.4	12.6	250
12.0	03	16.3	11.2	134	01	09.0	09.0	090	27	12.2	03.0	134	30	17.5	15.4	239	09	24.2	20.7	234	27	17.4	16.7	240
14.1	03	06.3	05.4	094	01	17.0	17.0	100	24	14.2	12.8	111	28	15.0	13.5	238	04	17.7	13.5	227	26	15.5	12.7	227
16.2					01	11.0	11.0	105	22	09.8	07.2	102	25	10.0	05.6	215	02	20.0	19.1	209	25	11.7	08.2	216
18.0									20	05.6	02.9	096	17	06.5	01.9	090	02	12.0	11.7	221	16	06.7	03.5	160
21.0									14	05.6	01.8	082	08	05.7	03.5	102	02	19.5	19.5	227	10	08.5	03.5	120
24.0									03	14.0	13.3	086	03	12.7	12.7	097	02	38.5	33.7	220	01	02.0	02.0	175
27.0																	01	15.0	15.0	100				
30.0																	01	20.0	20.0	180				
33.0																								

STATION	NEW DELHI/SAFDARJUNG												POONA				PORT BLAIR							
TIME IN I.S.T.	0530*				1130				1730*				1730				0530*				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	31	32.6	31.0	271	02	30.0	30.0	258	30	32.3	30.3	273	01	01.0	01.0	154	18	09.6	04.3	123	16	06.4	04.7	098
12.0	30	34.7	32.5	265	01	35.0	35.0	261	28	34.0	32.5	268	01	03.0	03.0	260	17	10.2	07.4	094	14	10.9	07.2	096
14.1	27	36.4	29.6	265					25	31.2	30.0	266					15	13.9	10.9	085	09	10.8	08.5	088
16.2	24	20.1	19.6	264					17	16.6	16.0	263					13	18.3	17.5	105	02	17.0	16.0	098
18.0	18	08.8	07.3	267					16	08.5	05.8	253					11	11.3	09.3	100	02	16.0	07.5	208
21.0	14	06.8	02.3	094					09	05.3	00.8	113					08	12.6	10.9	110	01	09.0	09.0	096
24.0	04	10.7	10.5	092					04	08.5	06.5	100												
27.0																								
30.0																								
33.0																								

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

OCTOBER, 1967 (ASVINA 9 - KARTIKA 9, 1889 SAKA)

STATION	RAIPUR								RAXAUL				SRINAGAR								TIRUCHCHIRAPALLI			
TIME IN I.S.T.	0530				1730				0530				0530*				1730 *				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	16	12.0	09.7	241	02	15.0	14.7	239	02	11.0	10.9	248	16	22.8	21.0	283	15	21.6	17.5	278	01	09.0	09.0	115
12.0	16	14.9	10.9	232	02	16.0	16.0	241	02	12.0	11.9	248	16	28.0	27.0	285	14	28.1	26.3	279				
14.1	12	14.3	10.9	203					01	09.0	09.0	269	08	30.7	29.0	276	11	26.0	24.9	272				
16.2	09	09.4	05.4	027									02	14.0	14.0	288	04	19.5	17.9	269				
18.0	07	10.4	09.5	143													02	17.5	17.5	273				
21.0	01	15.0	15.0	135																				
24.0																								
27.0																								
30.0																								
33.0																								

STATION	TRIVANDRUM												UDAIPUR								VENGURLA			
TIME IN I.S.T.	0530 *				1130				1730 *				0530				1730				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	29	08.7	06.9	094	02	11.5	11.5	160	26	09.2	07.0	097	11	22.0	20.0	298	03	13.7	13.4	275	10	07.1	05.3	252
12.0	29	10.2	07.9	097	01	06.0	06.0	160	26	12.5	11.4	092	05	17.6	16.5	260	02	08.0	07.6	224	03	11.3	10.5	235
14.1	18	12.2	10.7	106	01	12.0	12.0	115	19	15.8	14.9	102	01	13.0	13.0	329	01	06.0	06.0	231				
16.2	07	06.0	02.8	119					09	08.7	07.0	103					01	09.0	09.0	175				
18.0	02	06.0	05.5	130					03	08.3	03.0	102					01	07.0	07.0	134				
21.0									02	04.0	01.1	060												
24.0									02	14.0	13.9	090												
27.0																								
30.0																								
33.0																								

STATION	VERAVAL				VIJAYWADA/GANNAVARAM								VISHAKHAPATNAM											
TIME IN I.S.T.	1730				0530				1730				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	12	14.4	12.2	263	13	07.5	05.3	232	02	08.0	07.6	319	30	09.4	05.5	218	03	07.3	06.9	247	29	09.3	04.8	216
12.0	08	18.6	16.0	261	07	08.7	07.7	233	01	05.0	05.0	235	30	11.2	06.5	193	02	10.5	10.5	205	29	10.9	07.5	203
14.1	07	20.1	16.2	252	05	10.8	09.9	213	01	07.0	07.0	195	21	13.0	07.4	174	02	10.0	09.5	178	25	12.3	07.8	172
16.2	04	15.3	12.9	245	02	16.0	15.3	191	01	18.0	18.0	195	15	10.3	06.5	120	01	05.0	05.0	170	21	09.8	07.1	142
18.0					02	05.5	05.5	166	01	14.0	14.0	215	10	08.5	06.3	110	01	02.0	02.0	321	14	07.6	06.7	121
21.0					02	04.0	03.9	140	01	10.0	10.0	180	07	14.3	08.6	104	01	14.0	14.0	275	08	09.8	09.4	095
24.0													04	14.0	06.8	096								
27.0																								
30.0																								
33.0																								

STATION	VISHAKHAPATNAM																							
TIME IN I.S.T.	2330																							
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	01	09.0	09.0	225																				
12.0	01	13.0	13.0	175																				
14.1																								
16.2																								
18.0																								
21.0																								
24.0																								
27.0																								
30.0																								
33.0																								

RADIOSONDE DATA

During the month, observations of upper air temperature, pressure and humidity were made at 16 stations in India as given in the list below. For detailed description of the instruments used, a reference may be made to the I.M.D. Scientific Notes Nos. 112 and 113 (Volume IX)

List of Radiosonde Stations in India

Name of Station	Type of instrument used	Date of Starting	Hours of routine observations in GMT during the month	Remarks
Ahmadabad	Fan type	20th Jul. 1961	00 and 12	
Bangalore	Fan type	10th Mar. 1961	00 and 12	
Bombay/Santacruz	Clock type	7th Sep. 1954	00 and 12	
Calcutta/Dum Dum	Clock type	13th Dec. 1946	00 and 12	Fan type used from 13.12.46 to 30.11.47.
Ernakulam	Fan type	1st Aug. 1966	00 and 12	
Gauhati	Clock type	22nd Jul. 1955	00 and 12	
Jodhpur	Clock type	17th Apr. 1946	00 and 12	
Lucknow/Amausi	Clock type	15th Aug. 1966	00 and 12	
Madras/Minambakkam	Fan type	29th Jun. 1946	00 and 12	
Minicoy	Fan type	12th May. 1963	12	
Nagpur/Sonegaon	Fan type	1st Oct. 1946	00 and 12	
New Delhi/Safdarjung	Clock type	3rd Dec. 1943	00 and 12	
Port Blair	Fan type	4th Dec. 1949	00 and 12	
Srinagar	Clock type	1st Aug. 1962	00 and 12	
Trivandrum	Fan type	1st Jul. 1947	00 and 12	
Vishakhapatnam	Fan type	8th Dec. 1946	00 and 12	

RADIO SONDE DATA

TABLE VI-MEAN DYNAMIC HEIGHT,TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE

(A) FROM ASCENTS AT 00 HRS G.M.T.

OCTOBER,1967 (ASVINA 9 - KARTIKA 9,1889 SAKA)

STANDARD PRESSURE SURFACE MB	AHMADABAD SURFACE PR (1004 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BANGALORE (910 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BOMBAY/SANTACRUZ (1009 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00055	295.0	299	291	290.4	31	00921	291.3	293	288	289.9	31	00013	297.1	300	292	294.7
1000	30	00088	295.7	299	291	290.3	31	00111					31	00092	298.1	300	293	293.5
900	30	01018	297.5	302	293	282.9	31	01019	291.3	292	285	289.7	31	01021	296.4	301	292	285.5
850	30	01517	294.3	300	290	279.0	31	01511	290.6	293	288	286.5	31	01519	293.3	297	287	283.2
800	30	02039	290.1	298	286	276.5	31	02029	287.8	292	285	282.9	31	02039	289.2	294	283	281.0
700	30	03159	281.6	289	278	267.7	31	03149	282.3	285	279	277.0	31	03158	280.4	285	276	274.0
600	28	04422	274.7	281	270	260.6	31	04415	275.9	279	273	271.7	31	04420	276.2	281	271	264.1
500	26	05868	265.8	272	257		31	05873	267.7	273	264		31	05877	265.1	271	263	
400	23	07573	255.5	262	250		31	07588	256.1	261	250		30	07590	256.2	260	251	
300	20	09668	241.7	250	236		31	09691	241.5	249	240		30	09694	241.0	246	235	
250	18	10951	232.3	240	225		31	10957	231.9	240	229		30	11627	232.3	239	225	
200	16	12431	222.5	229	218		31	12436	219.9	228	215		30	12443	220.5	228	211	
175	13	13310	217.2	225	209		29	13277	214.4	222	210		28	13302	214.6	221	208	
150	12	14281	209.8	217	203		28	14240	208.3	217	203		28	14268	208.1	214	198	
125	08	15419	203.9	209	197		26	15336	202.3	210	195		24	15378	200.7	205	190	
100	05	16686	197.8	203	193		24	16654	198.0	204	193		22	16669	197.8	205	193	
80	05	18060	199.6	206	194		24	17973	201.7	207	194		17	17973	200.7	209	195	
70							23	18759	204.6	211	197		14	18756	204.2	210	195	
60							21	19681	206.3	212	199		12	19670	207.8	219	195	
50							20	20760	209.7	215	201		05	20756	210.6	213	208	
40							11	22170	213.2	217	208		05	22142	213.6	218	213	
30							06	23972	215.5	220	208							
20																		
10																		

STANDARD PRESSURE SURFACE MB	CALCUTTA/DUM DUM SURFACE PR (1009 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	ERNAKULAM (1009 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	GAUHATI (1006 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00006	296.0	299	292	295.0	31	00003	298.1	299	297	296.7	31	00049	294.8	299	290	293.8
1000	31	00086	296.6	299	294	294.0	31	00082	297.7	299	297	296.2	29	00100	294.5	299	290	293.4
900	31	01006	293.1	298	289	286.1	31	01003	293.1	295	291	290.5	29	01014	293.6	296	291	289.4
850	31	01497	289.9	295	286	281.8	31	01495	290.7	293	287	287.3	29	01505	291.1	294	287	285.5
800	31	02012	286.7	291	283	277.6	31	02013	288.2	292	286	284.1	29	02022	288.3	291	285	281.3
700	31	03129	281.5	286	275	268.2	31	03135	282.8	287	278	277.5	29	03140	281.8	286	278	271.5
600	31	04392	275.8	281	273	262.2	31	04403	276.6	283	273	270.2	29	04402	274.9	279	270	266.0
500	30	05848	268.0	274	265		31	05860	268.0	273	264		29	05851	267.3	274	263	
400	30	07570	258.4	266	254		30	07574	256.7	263	253		29	07571	258.1	265	252	
300	28	09698	244.5	251	240		30	09687	242.2	249	239		29	09694	244.6	250	237	
250	28	10983	235.8	242	223		30	10956	232.5	239	227		27	10980	235.6	244	230	
200	28	12493	225.7	233	220		30	12437	220.0	225	215		27	12487	225.0	230	218	
175	28	13363	218.9	227	211		26	13270	213.0	220	206		25	13366	220.0	228	213	
150	27	14335	212.2	222	203		26	14228	205.8	215	199		22	14340	214.6	223	207	
125	25	15426	204.5	215	194		23	15310	200.0	208	193		21	15487	208.6	217	203	
100	24	16750	199.3	209	189		18	16663	196.1	200	191		21	16824	203.4	211	199	
80	20	18066	202.5	215	193		16	17952	199.5	203	194		18	18697	204.0	208	201	
70	16	18842	204.2	209	199		13	18769	201.8	206	197		17	18949	207.8	214	201	
60	13	19765	208.5	217	203		13	19685	204.5	210	201		16	19955	212.5	217	208	
50	12	20870	211.6	218	208		12	20789	206.5	210	203		11	21002	216.0	220	213	
40							10	22142	209.0	213	205		09	22384	219.7	223	216	
30							07	23851	210.7	215	207							
20																		
10																		

STANDARD PRESSURE SURFACE MB	JODHPUR SURFACE PR (982 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	LUCKNOW/AMAUSI (996 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	MADRAS/MINAMBAKKAM (1007 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00217	296.8	301	292	288.6	31	00127	294.2	299	289	290.5	31	00015	297.0	299	293	295.5
1000	31	00060					31	00088					31	00080	297.3	299	295	295.1
900	31	00983	297.9	303	289	279.6	24	01005	295.4	299	292	280.4	31	00997	293.2	298	289	288.1
850	31	01481	294.3	299	285	276.5	24	01498	291.7	295	287	277.8	31	01489	290.5	296	284	284.5
800	31	02001	290.0	295	279	273.8	24	02016	287.7	291	282	274.0	31	02006	287.8	292	284	281.0
700	31	03121	281.3	285	276	266.3	24	03130	280.5	285	273	265.3	31	03124	281.6	285	279	274.6
600	30	04375	272.7	277	269	259.1	24	04383	273.1	279	268	254.5	31	04384	274.9	281	271	268.6
500	29	05809	264.0	271	259		24	05819	264.2	269	257		31	05834	266.6	272	263	
400	29	07500	252.9	257	249		23	07509	253.5	262	248		30	07548	256.4	261	253	
300	29	09584	243.1	246	234		21	09607	240.7	247	232		30	09649	241.1	246	234	
250	28	10843	231.3	239	227		19	10879	232.6	237	223		30	10914	231.8	238	227	
200	27	12323	222.0	229	217		18	12374	223.0	231	215		29	12387	219.8	226	214	
175	26	13189	216.9	224	210		17	13225	218.7	226	208		25	13235	213.1	219	201	
150	24	14160	211.5	220	206		17	14206	211.8	221	200		24	14195	207.9	211	201	
125	21	15281	205.8	215	197		15	15345	207.5	216	199		22	15290	201.8	209	196	
100	21	16615	202.1	210	193		13	16698	203.6	211	199		19	16623	197.2	204	189	
80	15	17979	203.8	213	197		09	18015	203.6	212	200		14	17917	200.9	207	194	
70	14	18789	207.1	216	203		08	18813	206.6	213	203		09	18719	203.2	211	196	
60	13	18934	210.6	217	208		07	19760	209.7	214	205		07	19632	205.9	212	201	
50	08	20817	214.1	217	210		06	20883	212.7	215	206		05	20721	210.2	214	205	
40	06	22224	216.8	219	215													
30	06	24054	219.3	222	216													
20																		
10																		

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(A) FROM ASCENTS AT 00 HRS G.M.T.
OCTOBER, 1967 (ASVINA 9 - KARTIKA 9, 1889 SAKA)

STANDARD PRESSURE SURFACE	NAGPUR/SONEGAON SURFACE PR (975 MB)						NEW DELHI/SAFDARJUNG (986 MB)						PORT BLAIR (1000 MB)					
	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
MB																		
SURFACE	31	00311	292.3	297	288	289.4	31	00209	293.5	299	289	288.5	31	00079	297.1	300	295	296.1
1000	31	00097					31	00088					31	00079	297.3	299	295	296.3
900	31	01010	295.2	300	291	289.1	31	01007	295.5	301	291	280.6	29	01000	293.5	296	287	291.3
850	31	01509	291.5	296	287	286.2	31	01501	292.2	297	288	277.6	29	01492	290.9	294	285	288.3
800	31	02026	287.6	293	283	283.4	31	02019	288.4	293	283	274.7	28	02010	288.2	293	279	285.6
700	31	03143	280.3	284	275	275.4	31	03134	280.0	284	275	267.7	27	03133	283.1	287	277	280.1
600	31	04400	274.3	278	268	265.2	31	04382	271.4	277	267	256.3	22	04403	276.7	281	272	274.7
500	31	05833	266.2	271	260		31	05809	262.7	269	257		21	05861	268.5	273	263	
400	31	07554	254.7	261	251		31	07494	251.9	260	247		21	07584	258.2	264	251	
300	31	09665	240.5	248	233		31	09563	239.0	249	232		19	09692	243.4	248	235	
250	31	10906	231.7	239	227		31	10821	231.9	241	226		19	10970	234.5	239	226	
200	31	12385	217.2	229	214		30	12311	223.6	231	219		18	12467	222.6	224	215	
175	31	13239	214.9	222	208		28	13179	218.6	226	211		17	13342	217.2	224	207	
150	31	14200	209.0	219	201		28	14154	213.6	221	208		17	14310	211.0	217	194	
125	30	15281	203.9	214	195		27	15279	208.1	216	202		15	15428	204.4	211	195	
100	29	16594	201.5	209	193		25	16628	204.[illegible]	214	195		14	16755	198.4	206	190	
80	24	17963	203.8	214	197		20	17985	206.5	214	197		11	18022	199.7	205	192	
70	20	18711	207.1	220	198		18	18789	209.8	217	203		10	18782	201.8	208	194	
60	15	19674	209.6	214	200		16	19733	211.8	217	205		09	19673	204.0	211	200	
50	12	20811	214.4	218	209		14	20880	216.4	219	210		08	21080	206.9	212	202	
40	07	22290	218.3	222	215		09	22343	220.1	223	217							
30							07	24246	225.7	229	220							
20																		
10																		

STANDARD PRESSURE SURFACE	SRINAGAR SURFACE PR (845 MB)						TRIVANDRUM (1002 MB)						VISHAKHAPATNAM (1005 MB)					
	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
MB																		
SURFACE	22	01588	280.1	285	275	278.9	31	00064	297.2	298	295	295.4	31	00041	298.6	301	295	294.2
1000	22	00181					31	00081	297.1	298	295	295.2	31	00086	298.3	301	296	290.0
900	22	01066					31	01000	292.6	295	290	289.5	31	01009	293.6	299	290	289.3
850	22	01549					31	01494	289.7	293	287	286.5	31	01501	290.5	295	285	285.9
800	22	02037	279.2	285	275	275.3	31	02010	287.0	290	283	282.9	31	02017	287.4	292	283	282.5
700	22	03122	273.6	279	269	270.4	31	03129	281.8	285	279	276.8	31	03138	282.5	286	279	277.2
600	22	04344	266.5	271	262		31	04391	274.6	281	268	270.4	31	04389	272.2	278	271	270.9
500	21	05744	256.4	261	251		31	05842	266.7	271	262		31	05856	273.5	269	264	
400	20	07373	244.3	251	239		31	07557	256.0	261	252		31	07575	256.5	261	253	
300	18	09385	230.2	240	225		31	09654	241.0	247	235		31	09684	241.8	247	236	
250	16	10586	222.7	227	217		31	10917	231.2	238	226		31	10953	233.0	237	229	
200	16	12027	217.1	223	212		31	12392	218.7	227	211		31	12441	221.0	225	214	
175	15	12874	216.4	223	211		21	13226	213.0	221	209		29	13265	214.7	220	209	
150	14	13858	214.5	221	207		21	14182	204.7	215	199		29	14246	208.3	216	202	
125	11	15085	212.0	217	200		13	15213	198.5	211	193		26	15333	202.8	208	195	
100	11	16373	210.3	215	202		11	16583	196.6	204	192		25	16677	199.1	204	192	
80	06	17691	210.3	217	204		05	17859	201.8	207	197		19	18023	202.8	208	197	
70	05	18512	212.5	217	207								16	18859	207.4	213	199	
60													13	19809	210.8	217	203	
50													13	20916	214.2	222	207	
40													07	22298	218.0	221	211	
30																		
20																		
10																		

RADIO SONDE DATA

TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(B) FROM ASCENTS AT 12 HRS G.M.T.
OCTOBER, 1967 (ASVINA 9 - KARTIKA 9, 1889 SAKA)

STANDARD PRESSURE SURFACE MB	AHMADABAD SURFACE PR (1003 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BANGALORE (909 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BOMBAY/SANTACRUZ (1007 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00055	308.2	311	304	289.5	31	00921	298.4	301	292	289.3	31	00013	303.2	307	297	296.1
1000	29	00076	307.7	310	304	289.6	31	00080					31	00077	302.8	306	298	295.9
900	29	01019	299.9	304	295	284.7	31	01010	297.8	301	292	289.0	31	01012	298.1	302	295	288.6
850	29	01521	295.6	300	291	281.2	31	01509	293.7	297	291	287.2	31	01513	294.5	299	291	286.2
800	29	02045	291.6	296	283	277.8	31	02030	289.2	293	287	284.7	31	02034	290.0	295	286	283.5
700	29	03172	282.7	287	278	269.3	31	03154	282.7	286	279	277.1	31	03157	281.9	288	279	274.9
600	29	04436	276.0	281	273	255.3	31	04421	276.3	281	272	271.0	31	04422	275.9	279	272	269.0
500	28	05894	267.8	273	263		31	05880	268.4	273	264		31	05883	268.3	273	265	
400	25	07609	256.3	261	251		31	07602	257.5	264	252		31	07590	256.2	262	253	
300	20	09709	241.7	248	237		30	09708	242.0	248	236		30	09701	241.1	246	238	
250	19	11655	232.0	237	228		30	11581	232.8	240	226		30	10966	231.9	237	229	
200	17	12449	220.5	227	216		30	12456	220.8	226	213		30	12446	220.2	223	216	
175	16	13306	214.5	219	211		29	13305	214.2	220	206		29	13296	214.3	218	209	
150	16	14263	208.3	215	203		27	14263	206.7	213	197		28	14248	208.4	216	202	
125	15	15353	202.1	207	196		24	15343	202.2	207	197		26	15347	201.4	208	196	
100	14	16647	197.3	204	191		23	16688	198.0	203	192		26	16645	197.0	204	193	
80	09	17976	200.3	205	193		21	17674	200.7	207	195		17	17931	200.0	205	195	
70	07	18738	202.6	206	198		21	18810	203.1	209	197		15	18701	203.1	209	198	
60	07	19675	207.4	212	203		20	19797	206.3	211	200		10	19605	206.1	211	201	
50	07	20791	213.1	219	210		18	20817	209.2	217	203		07	20713	209.1	215	205	
40							10	22241	212.7	219	207							
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	CALCUTTA/DUM DUM SURFACE PR (1008 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	ERNAKULAM (1008 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	GAUHATI (1003 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00006	301.4	305	297	294.7	31	00003	302.0	303	297	297.2	31	00049	300.2	303	297	296.0
1000	31	00073	301.1	305	296	293.7	31	00072	301.5	303	297	296.8	31	00076	300.2	302	297	295.7
900	31	01001	294.8	299	291	286.9	31	01000	294.3	297	291	290.1	31	01000	294.9	298	292	289.7
850	31	01495	291.1	295	288	291.1	31	01494	290.6	295	289	287.8	31	01493	291.7	295	287	286.6
800	31	02013	288.1	292	283	276.6	31	02014	288.7	293	285	284.3	31	02000	288.6	292	284	282.5
700	31	03136	283.5	287	279	267.5	31	03137	283.1	287	279	276.7	31	03129	281.9	286	277	272.9
600	31	04406	277.2	281	273		31	04404	276.2	281	271	269.7	31	04389	274.4	279	270	265.1
500	30	05871	269.1	273	265		31	05861	268.1	271	263		30	05837	266.6	271	261	
400	30	07599	258.7	264	254		31	07582	257.3	263	253		28	07516	256.9	262	253	
300	30	09724	245.0	251	241		30	09693	242.4	248	237		25	09664	243.4	249	236	
250	30	11009	235.8	241	231		30	11596	232.7	240	228		25	10945	234.4	240	226	
200	30	12515	224.3	229	219		30	12449	220.9	229	214		25	12440	224.2	229	215	
175	29	13384	217.7	224	212		30	13289	214.8	223	209		24	13318	218.3	223	214	
150	29	14354	210.7	219	205		30	14256	207.8	217	201		22	14291	212.5	217	208	
125	28	15436	203.2	212	197		26	15329	201.1	211	195		22	15416	205.8	211	195	
100	25	16774	198.4	205	194		22	16650	196.4	206	191		18	16714	200.0	209	193	
80	18	18053	201.2	208	196		19	17929	199.4	209	193		17	18096	200.6	207	192	
70	17	18855	204.6	212	198		17	18716	202.1	210	193		13	18871	203.5	210	195	
60	11	19785	209.3	215	203		13	19622	204.1	212	195		08	19896	207.3	213	203	
50	10	20918	212.8	217	207		10	20698	206.7	217	198		05	20844	209.0	213	205	
40	07	22276	216.1	221	213		07	21983	205.7	213	200							
30							06	23741	209.0	217	203							
20																		
10																		

STANDARD PRESSURE SURFACE MB	JODHPUR SURFACE PR (981 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	LUCKNOW/AMAUSI (994 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	MADRAS/MINAMBAKKAM (1007 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00217	305.4	309	301	290.3	31	00127	304.0	307	297	288.7	31	00015	301.0	303	298	290.0
1000	28	00046					31	00077					31	00072	301.0	303	297	296.0
900	28	00985	299.6	306	290	281.6	30	01010	297.6	303	293	282.4	31	00993	299.1	297	291	290.3
850	28	01487	296.4	301	290	276.4	30	01506	293.4	298	285	279.3	31	01486	290.7	294	287	286.7
800	28	02009	291.8	297	283	274.9	30	02026	289.6	294	285	275.4	31	02003	288.0	291	284	283.0
700	28	03132	282.3	288	277	267.3	30	03147	282.4	288	277	265.0	31	03122	282.2	285	279	276.7
600	27	04389	273.9	280	271	255.8	30	04406	274.4	281	267	257.4	31	04385	278.7	279	270	269.2
500	26	05831	265.6	270	260		28	05850	266.0	273	261		31	05837	268.0	275	263	
400	26	07534	254.3	265	249		27	07558	255.1	262	248		31	07556	256.6	262	252	
300	25	09623	240.6	248	233		27	09658	242.1	249	234		31	09660	241.5	247	237	
250	25	10886	232.2	238	227		26	10927	234.3	241	227		31	10894	232.0	238	226	
200	25	12374	222.1	227	216		26	12430	224.8	230	218		31	12358	220.1	226	212	
175	25	13232	216.0	220	209		24	13306	219.4	226	214		29	13255	214.0	220	200	
150	24	14189	210.4	215	201		24	14287	213.7	221	205		27	14227	208.2	214	202	
125	24	15297	204.3	208	199		23	15376	208.2	214	202		26	15318	202.3	209	197	
100	20	16624	202.0	207	197		21	16775	203.7	210	195		22	16642	198.0	205	191	
80	17	17961	204.8	212	199		17	18075	204.4	212	199		19	17930	200.4	207	192	
70	17	18774	208.0	214	201		16	18872	206.6	214	200		18	18726	203.0	211	193	
60	15	19709	211.8	217	203		14	19811	210.5	217	205		16	19626	206.3	213	197	
50	11	20845	215.0	220	206		12	20933	213.7	222	207		14	20745	209.6	217	201	
40	07	22285	218.3	222	209		06	22357	218.8	224	213		05	22348	217.2	218	215	
30																		
20																		
10																		

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT,TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(B) FROM ASCENTS AT 12 HRS G.M.T.
OCTOBER,1967 (ASVINA 9 - KARTIKA 9,1889 SAKA)

TANDARD RESSURE URFACE MB	MINICOY SURFACE PR (1009 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NAGPUR/SONEGAON (974 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NEW DELHI/SAFDARJUNG (985 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
URFACE	31	00002	301.2	303	299	297.1	31	00311	303.4	308	295	289.1	31	00209	302.6	306	299	291.2
1000	31	00079	300.3	303	299	296.5	31	00069					31	00076				
900	31	01000	293.7	298	290	290.5	31	01009	297.9	303	293	290.3	31	01008	297.2	302	293	283.3
850	31	01491	290.9	293	287	287.7	31	01508	293.6	302	289	287.6	31	01505	293.7	298	290	279.2
800	31	02007	288.2	291	285	283.9	31	02027	288.9	294	284	282.9	31	02026	289.8	295	285	270.1
700	31	03127	282.9	288	279	277.8	31	03150	281.4	287	277	274.2	31	03148	281.2	286	271	265.5
600	29	04392	276.2	282	271	271.9	31	04411	274.4	280	269	267.7	31	04402	272.7	281	267	259.1
500	29	05847	268.2	275	263		31	05860	266.8	273	260		31	05836	264.4	269	258	
400	29	07570	257.8	264	254		31	07568	255.4	260	248		30	07523	252.3	259	249	
300	28	09689	243.8	253	237		31	09658	240.7	250	235		30	09598	239.7	247	234	
250	27	10969	234.7	243	227		31	10918	231.[illegible]	236	224		30	10860	232.4	239	227	
200	27	12463	222.7	232	213		31	12393	219.[illegible]	225	214		28	12348	223.9	231	218	
175	25	13323	216.0	226	208		29	13238	214.[illegible]	220	208		27	13215	219.1	226	215	
150	24	14288	210.0	221	201		28	14212	208.9	216	202		27	14192	213.9	221	208	
125	24	15370	203.5	213	193		28	15307	204.4	211	199		22	15331	208.0	216	200	
100	22	16710	200.5	208	192		28	16642	199.9	208	194		21	16675	204.1	212	192	
80	21	18030	204.1	213	195		21	18006	204.8	211	194		20	18009	206.0	211	194	
70	20	18853	206.4	217	196		21	18789	207.5	214	195		20	18821	208.5	213	198	
60	18	19795	209.0	218	197		18	19759	211.1	217	201		15	19787	211.7	215	205	
50	11	20875	210.7	219	203		13	20800	212.9	221	206		11	20924	214.3	218	208	
40	06	22152	209.3	217	205		06	22191	218.0	225	213		08	22337	217.0	221	210	
30																		
20																		
10																		

TANDARD RESSURE URFACE MB	PORT BLAIR SURFACE PR (1000 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	SRINAGAR (843 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	TRIVENDRUM (1001 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
URFACE	31	00079	298.7	300	297	296.6	22	01588	289.0	295	281	280.9	31	00064	300.2	302	297	296.2
1000	31	00078	298.4	297	295	296.4	22	00121					31	00075	299.9	302	297	296.1
900	25	00996	293.9	297	291	291.7	22	01030					31	00999	293.2	295	291	290.3
850	25	01489	291.1	295	287	289.6	22	01519					31	01492	290.4	294	288	287.0
800	25	02006	288.4	293	283	287.2	22	02031	285.0	293	275	276.1	31	02008	287.1	291	284	283.7
700	25	03128	282.9	287	275	281.1	22	03135	277.6	284	269	268.2	31	03129	282.0	286	279	278.0
600	24	04390	277.0	281	272	274.5	22	04370	268.7	275	264		30	04393	275.3	279	273	270.1
500	24	05850	269.2	275	262		22	05779	257.9	263	254		30	05848	267.4	271	263	
400	20	07587	259.6	265	254		19	07431	246.6	250	243		30	07565	256.7	261	252	
300	19	09713	245.0	250	238		18	09450	231.4	241	224		28	09662	240.7	245	234	
250	17	11005	235.6	242	228		15	10654	222.9	230	214		28	10923	230.9	235	222	
200	17	12508	223.6	232	214		15	12095	218.4	223	212		28	12395	218.1	224	208	
175	14	13621	217.7	225	211		14	12949	217.2	221	211		22	13250	212.9	219	207	
150	14	14388	210.4	219	203		13	13971	215.5	219	211		22	14204	206.0	215	194	
125	11	15496	204.6	217	196		13	15071	213.5	218	205		17	15272	200.6	207	193	
100	09	16846	201.9	222	192		10	16458	213.0	217	204		10	16608	198.2	203	195	
80	07	18182	200.7	207	194		07	17861	211.7	216	207		05	17926	202.6	211	197	
70							05	18656	213.6	217	211							
60																		
50																		
40																		
30																		
20																		
10																		

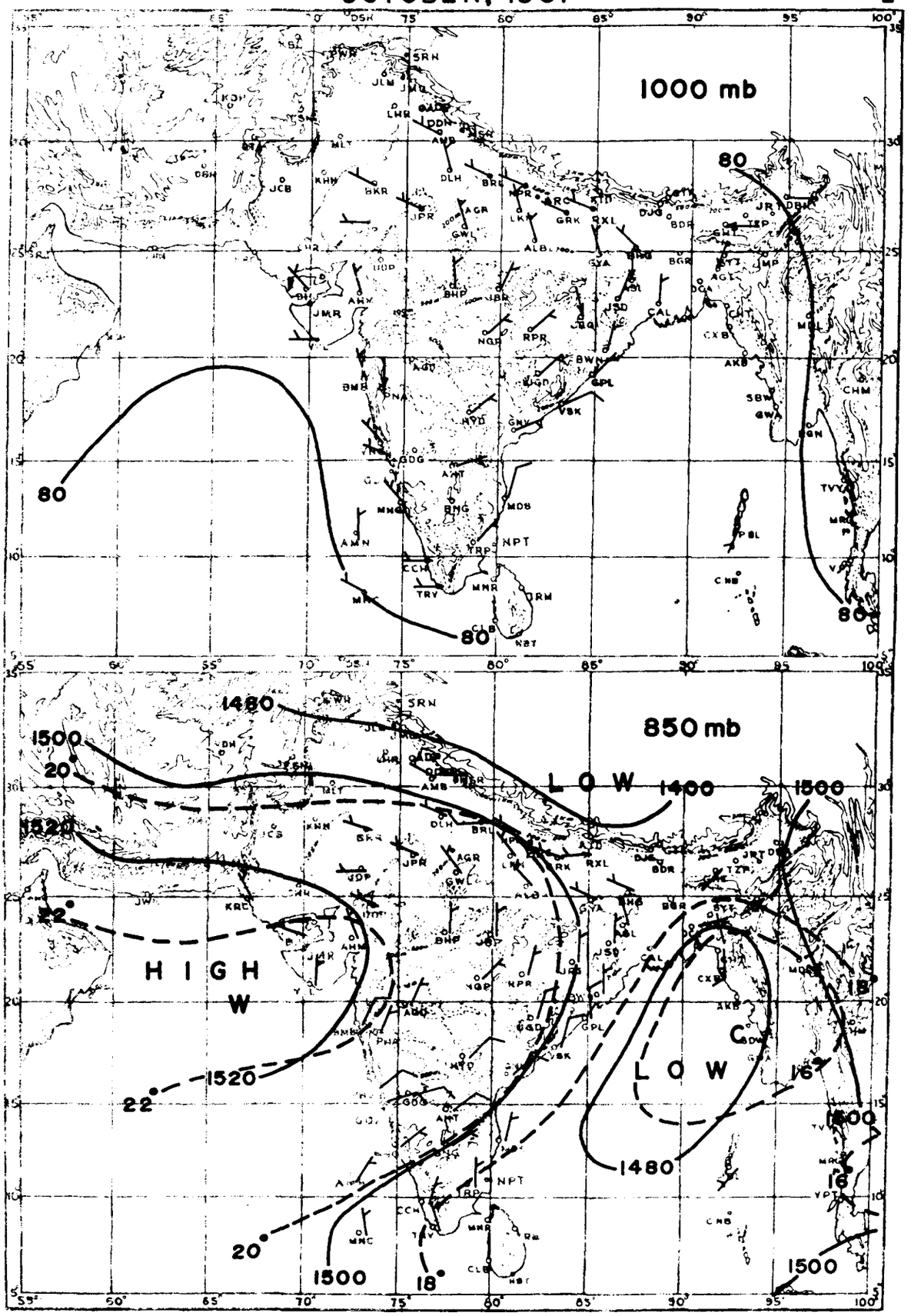
TANDARD RESSURE URFACE MB	VISAKHAPATNAM SURFACE PR (1004 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
URFACE	31	00041	302.4	305	301	294.7												
1000	31	00074	301.8	304	292	293.9												
900	31	01003	295.5	299	292	290.4												
850	31	01497	291.6	297	285	288.0												
800	31	02015	288.4	293	284	284.3												
700	31	03138	282.5	287	279	278.3												
600	31	04406	276.4	281	270	272.2												
500	31	05866	268.4	273	263													
400	31	07589	257.0	265	249													
300	31	09707	242.1	252	235													
250	30	10974	232.7	242	225													
200	30	12460	221.1	229	217													
175	28	13291	213.6	221	205													
150	28	14263	207.6	213	197													
125	27	15332	202.0	209	193													
100	25	16649	197.5	203	191													
80	18	17986	202.4	208	195													
70	16	18787	205.0	211	200													
60	14	19699	208.2	218	203													
50	11	21572	211.0	217	206													
40	05	22201	213.2	217	212													
30																		
20																		
10																		

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I Met.D

OCTOBER, 1967

Plate I

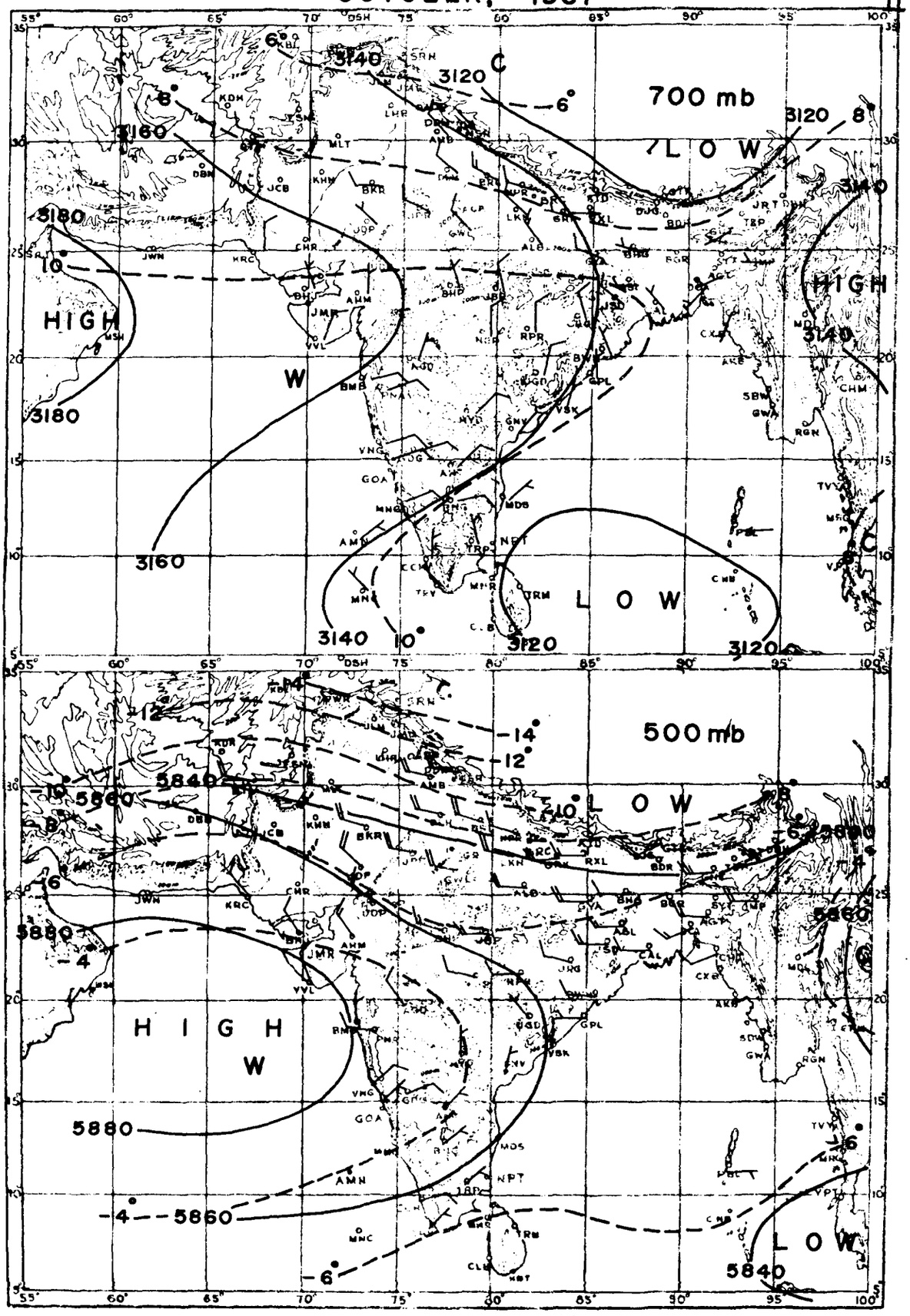


RESULTANT WIND: 5 Knots 10 Knots 50 Knots

----Isotherms in degrees Celsius;—— Contours in geopotential metres

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I. Met.D. OCTOBER, 1967 *Plate* II



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भारत सरकार

GOVERNMENT OF INDIA

मौसम विज्ञान विभाग

METEOROLOGICAL DEPARTMENT

भारतीय मौसम पुनरीक्षण

INDIA WEATHER REVIEW

1967

मासिक मौसम रिपोर्ट

MONTHLY WEATHER REPORT

नवम्बर

NOVEMBER

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INDIA WEATHER REVIEW, 1967

Monthly Weather Report

NOVEMBER

MONTHLY WEATHER REPORT

FOR

NOVEMBER 1967

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** ** **

MEANINGS OF SYMBOLS AND ABBREVIATIONS IN TABLES

II and III

Symbol/Abbreviation	Meaning
(a)	Mean/total for 30 days.
(b)	Mean/total for 29 days.
(c)	Mean/total for 28 days.
(d)	Mean/total for 27 days.
(e)	Mean/total for 26 days.
(f)	Mean/total for 25 days.
(g)	Mean/total for 24 days.
(h)	Mean/total for 23 days.
(i)	Mean/total for 22 days.
(j)	Mean/total for 21 days.
(k)	Mean/total for 20 days.
(l)	Mean/total for 19 days.
(m)	Mean/total for 18 days.
(n)	Mean/total for 17 days.
(o)	Mean/total for 16 days.
(p)	Mean/total for 15 days.
(q)	Mean/total for 14 days.
*	Closed during winter months.
(R)	Register not received, hence data not available.
≠	Data for less than 15 days, hence no means published.
ds	Days.
●	Data rejected.
D.N.	Data not available.
E	Estimated.
H	Provisional height.

INDIA WEATHER REVIEW, 1967
Monthly Weather Report
NOVEMBER

Published by authority of the Government of India

Chief features :-

i) Intensification of last month's depression into a deep depression and its movement across the south Peninsula.

ii) Formation and movement of another depression across the extreme southwest Bay of Bengal during the last week.

iii) Movement of five western disturbances across northwest India causing good precipitation there particularly during the last week.

and iv) Sub-normal rainfall activity over the south Peninsula except during the first week.

The depression which was lying over the southwest Bay of Bengal on the last day of October moved westnorthwestwards and intensified into a deep depression by the evening of 1st November when it was centred near Lat. 12°N and Long. 81°E. Moving westwards, it crossed the north Madras coast near Cuddalore in the early morning of 2nd and weakened into a depression. Weakening further into a low pressure area, it merged into the southeast Arabian Sea off the Kerala coast by the morning of 3rd. Thereafter it moved slowly westwards and passed across the southwest Arabian Sea by the end of the first week. Under its influence, there was well distributed rainfall over the south Peninsula with heavy rains in the Madras State and Kerala. Cuddalore recorded exceptionally heavy falls of 20 cm. of rain on 2nd and 32 cm. on 4th. The other noteworthy amounts of rainfall reported were :Palayankottai 11 cm. and Nellore and Tondi 10 cm. each on 2nd, Salem 16 cm. and Nellore and Kallakkurichchi 8 cm. each on 3rd and Coonoor 10 cm. on 4th.

The rainfall activity over the south Peninsula decreased considerably after 5th and was confined to the extreme southern parts of the Peninsula, thereafter except during the third week when weather remained mainly dry. A spell of good rainfall occurred over the extreme south Peninsula during the period 8th - 12th, when the seasonal low was quite active over the southwest Bay of Bengal. Nagapattinam recorded 9 cm. of rain each on 11th and 12th and Vedaranniyam 7 cm. on 12th. A low pressure area lying over the south Andaman Sea on 16th moved westwards and became well marked over the southwest Bay of Bengal on 20th. Continuing to move westwards, the system weakened over the Comorin area by 22nd. In association with it there was another spell of good rainfall over the extreme south Peninsula on 22nd and 23rd. Pamban and Vedaranniyam recorded 6 cm. of rain each on 23rd. Earlier, the Bay Islands received a spell of fairly widespread rainfall.

A low pressure area lying over the extreme south Andaman sea on 24th moved westwards to the southwest Bay of Bengal where it intensified into a depression by the morning of 27th with centre near Lat. 6°N and Long. 84.5°E. Later it moved slowly in a westerly direction and weakened into a low pressure area over Comorin and adjoining Maldive areas on 30th. Under its influence, the Bay Islands received good rainfall during the early parts of the last week and the extreme south Peninsula towards the end of the month. Nancowry recorded 5 cm. of rain on 24th, Car Nicobar 5 cm. on 25th and Vedaranniyam 7 cm. and Pamban 6 cm. on 30th. Another low pressure area moved from the east into the south Andaman Sea on 29th and became well marked the next day.

Dry weather prevailed over northwest India during the first week. Later five western disturbances moved across the area causing good precipitation particularly during the last week. The first three western disturbances affected northwest India during the second third weeks causing spells of light precipitation. The third western disturbance in particular was feeble and caused only very light precipitation over parts of northwest India. The next western disturbance following in its immediate wake caused light to moderate precipitation over the Western Himalayas and adjoining plains at the beginning of the fourth week. An upper air cyclonic circulation which developed over West Rajasthan on 22nd moved eastwards as an upper air trough across Uttar Pradesh, Bihar Plains and north Assam. In association with it, light thundershowers occurred over those areas. The last western disturbance together with the induced low caused fairly well distributed precipitation over northwest India on 28th and 29th. The details of the movement and activity of the various western disturbances are given in the accompanying statement.

Mainly dry weather prevailed over northeast India except for two main spells of light rainfall. Under the influence of an upper air trough persisting over Assam and neighbourhood isolated light rainfall occurred over northeast India on most days during the third week.The second spell of light showers occurred in association with the movement of the upper air trough from west Uttar Pradesh to Assam as mentioned earlier.

Night temperatures were below normal over northeast India during the first three weeks and over Assam later, being appreciably so during the first ten days. They were also below normal over the Peninsula after the first week but the sub-normal temperatures were confined to the south Peninsula during the second fortnight. Night temperatures were generally above normal over northwest India during the first, third and fourth weeks, over the central parts of the country, Gujarat State and north Peninsula during the last week and over Uttar Pradesh on a number of days during the second fortnight.

The total rainfall for the month was in large excess in Haryana and West Rajasthan, in slight excess in West Uttar Pradesh and normal in Jammu and Kashmir. It was in slight defect in North Assam and Madras, in moderate defect in Bay Islands, Punjab, Himachal Pradesh, East Rajasthan and Arabian Sea Islands and in large defect in South Assam, West Bengal, Orissa, Bihar, East Uttar Pradesh, Madhya Pradesh, Gujarat, Saurashtra, Konkan, Madhya Maharashtra, Marathwada, Vidarbha, Coastal Andhra Pradesh, Telangana, Rayalaseema, Mysore and Kerala. There was no rain in Gangetic West Bengal, Gujarat, Saurashtra, Marathwada, Vidarbha and Telangana.

The mean Maximum temperature was above normal in Orissa, East Rajasthan, Madhya Pradesh, Gujarat, Madhya Maharashtra, Marathwada, Vidarbha, Coastal Andhra Pradesh and Coastal Mysore and below normal in Haryana, Punjab, Himachal Pradesh, Jammu and Kashmir. It was normal over the rest of the country.

The mean Minimum temperature was above normal in Rajasthan and below normal in Assam, West Bengal, Bihar, Jammu and Kashmir, Coastal Andhra Pradesh, Rayalaseema, Madras, South Interior Mysore and Kerala. It was normal over the rest of the country.

The mean Relative Humidity in the morning was above normal in Haryana, Jammu and Kashmir, West Rajasthan and Saurashtra and below normal in Gangetic West Bengal, Orissa, Bihar Plateau, Himachal Pradesh, Madhya Maharashtra, Marathwada, Vidarbha, Coastal Mysore, South Interior Mysore and Kerala. It was normal over the rest of the country.

The mean Relative Humidity in the evening was above normal in West Uttar Pradesh, Haryana, Jammu and Kashmir, West Rajasthan and Saurashtra and below normal in Assam, Bihar Plateau, Madhya Maharashtra, Vidarbha, Marathwada, Telangana, Mysore and Kerala. It was normal over the rest of the country.

The mean cloud amount in the morning was above normal in Bihar Plains, Uttar Pradesh, Haryana, Punjab, Jammu and Kashmir, Rajasthan and it was below normal in Assam, Gangetic West Bengal, Orissa, Bihar Plateau, Himachal Pradesh, East Madhya Pradesh, Gujarat, Madhya Maharashtra, Marathwada, Vidarbha, Coastal Andhra Pradesh, Telangana, Rayalaseema and south Interior Mysore. It was normal over the rest of the country.

The mean cloud amount in the evening was above normal in Uttar Pradesh, Haryana, Punjab, Himachal Pradesh, Jammu and Kashmir, West Rajasthan and was below normal in Gangetic West Bengal, Orissa, Bihar Plateau, Gujarat, Konkan, Coastal Andhra Pradesh, Telangana, Rayalaseema and South Interior Mysore. It was normal over the rest of the country.

Poona - 5. R. ANANTHAKRISHNAN,

14th March 1968. for Director General of Observatories.

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS - NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1.ASSAM(INCLUDING NEFA,N.L.ETC)	11.0	42	26.8	13.8	76	73	1.7	2.0
	- 15.4		-0.6	-1.8	- 2	- 5	-0.9	-0.2
2.WEST BENGAL	0.8	3	29.2	15.4	66	61	0.9	1.1
	- 22.4		+0.5	-1.6	- 5	- 5	-0.7	-0.8
3.ORISSA	2.3	6	30.9	16.5	65	54	1.5	1.9
	- 33.3		+2.1	-0.6	- 6	- 5	-0.8	-0.7
4.BIHAR	0.3	3	28.5	13.0	65	55	1.0	1.0
	- 10.3		+0.4	-1.5	- 3	- 3	-0.3	-0.3
5.UTTAR PRADESH	3.0	56	28.2	12.2	68	52	1.2	1.3
	- 2.4		0.2	0.0	0	+ 2	+0.5	+0.5
6.HARYANA(INCLU. DELHI CHANDIGARH)	8.8	244	26.3	11.8	71	49	1.6	1.9
	+ 5.2		-1.9	+1.0	+11	+11	+1.0	+1.1
7.PUNJAB	4.4	68	26.2	10.6	74	50	2.6	2.5
	- 2.1		-1.2	+0.8	+ 5	+ 3	+1.4	+1.0
8.HIMACHAL PRADESH	5.4	60	22.9	7.5	87	59	2.6	2.7
	- 3.6		-1.9	+0.7	- 6	+ 3	-1.1	+0.8
9.JAMMU AND KASHMIR	6.2	73	15.0	1.9	74	58	3.7	3.9
	- 2.3		-1.5	-0.3	+15	+14	+1.4	+0.9
10.RAJASTHAN	3.8	88	30.4	13.3	60	38	1.3	1.6
	- 0.5		+0.9	+1.4	+ 3	1	0.4	0.5
11.MADHYA PRADESH	0.6	4	30.4	13.7	56	37	1.1	1.6
	- 13.5		+1.6	+0.8	- 5	- 4	-0.4	-0.2
12.GUJARAT STATE (INCLU.DIU ETC)	0.0	0	33.3	18.0	63	41	1.1	1.1
	- 5.0		+0.9	+0.5	+ 7	3	-0.2	-0.3
13.MAHARASHTRA STATE(INCL.GOA)	0.3	1	32.0	17.4	57	40	1.6	2.2
	- 24.0		+1.3	0.0	- 6	- 7	-0.7	-0.5
14.ANDHRA PRADESH	17.6	24	30.5	18.5	71	52	1.8	2.3
	- 55.2		+0.8	-1.0	- 2	- 6	-1.8	-1.6
15.MADRAS STATE (INCL.PONDICH.)	188.5	89	29.2	20.7	78	68	4.6	5.1
	- 22.7		-0.3	-1.7	- 3	- 3	-0.6	-0.4
16.MYSORE	9.3	17	30.0	17.6	66	44	2.9	3.3
	- 44.4		+0.8	-1.1	- 7	-10	-0.9	-0.9
17.KERALA	69.9	37	31.3	21.7	74	64	4.2	4.7
	-118.4		+0.6	-1.5	- 7	-10	-0.6	-0.9
SUB-DIVISION								
SUB-DIVISION								
1.BAY ISLANDS	145.3	57	30.3	23.5	81	86	4.9	4.7
	-110.2		+0.7	-0.2	0	- 1	-0.3	-0.6
2.NORTH ASSAM (INCLUDING NEFA)	14.2	76	26.9	13.7	76	74	1.7	2.0
	- 4.5		-0.6	-2.1	- 3	- 6	-1.2	-0.2
3.SOUTH ASSAM (INCL.N.LAND ETC)	4.1	10	26.7	13.8	77	70	1.8	1.9
	- 38.7		-0.6	-1.4	- 1	- 6	-0.5	-0.2
4.SUB-HIMALAYAN WEST BENGAL	3.0	27	28.2	13.5	70	68	1.3	1.8
	- 8.1		+0.2	-1.9	- 4	- 5	-0.1	+0.1
5.GANGETIC WEST-BENGAL	0.0	0	29.6	16.1	64	59	0.7	0.8
	- 27.3		+0.7	-1.5	- 6	- 4	-1.0	-1.2
6.ORISSA	2.3	6	30.9	16.5	65	54	1.5	1.9
	- 33.3		+2.1	-0.6	- 6	- 5	-0.8	-0.7
7.BIHAR PLATEAU	0.1	1	28.2	12.8	58	47	0.8	1.1
	- 15.9		+0.7	-1.5	- 6	- 7	-0.8	-0.7
8.BIHAR PLAINS	0.4	6	28.7	13.3	71	61	1.3	0.9
	- 6.5		0.0	-1.4	0	- 1	+0.3	-0.1
9.UTTAR PRADESH (EAST)	0.5	9	29.3	12.9	67	51	1.1	1.1
	- 5.0		+0.6	0.0	- 3	- 2	+0.4	+0.3
10.UTTAR PRADESH (WEST)	6.5	123	26.5	11.1	69	53	1.4	1.8
	+ 1.2		-0.5	0.0	+ 4	+ 7	+0.7	+0.9
11.HARYANA(INCLU. DELHI CHANDIGARH)	8.8	244	26.3	11.8	71	49	1.6	1.9
	+ 5.2		-1.9	+1.0	+11	+11	+1.0	+1.1
12.PUNJAB	4.4	68	26.2	10.6	74	50	2.6	2.5
	- 2.1		-1.2	+0.8	+ 5	+ 3	+1.4	+1.0
13.HIMACHAL PRADESH	5.4	60	22.9	7.5	87	59	2.6	2.7
	- 3.6		-1.9	+0.7	- 6	+ 3	-1.1	+0.8
14.JAMMU AND KASH-MIR	6.2	73	15.0	1.9	74	58	3.7	3.9
	- 2.3		-1.5	-0.3	+15	+14	+1.4	+0.9
15.RAJASTHAN(WEST)	4.6	184	30.4	13.7	61	44	1.5	2.0
	+ 2.1		+0.4	+1.3	+ 8	+10	+0.7	+1.0
16.RAJASTHAN(EAST)	3.2	56	30.3	13.1	58	34	1.2	1.3
	- 2.5		+1.2	+1.5	- 2	- 5	+0.3	+0.1
17.MADHYA PRADESH (WEST)	0.1	1	30.9	13.7	52	33	1.2	1.5
	- 15.1		+1.8	+0.9	- 5	- 3	-0.2	-0.2
SUB-DIVISION								
SUB-DIVISION(CONTD)								
18.MADHYA PRADESH (EAST)	1.3	18	29.6	13.7	62	44	1.0	1.7
	- 11.4		+1.3	+0.6	- 5	- 3	-0.7	-0.2
19.GUJARAT REGION (INCL.DAMAN ETC)	0.0	0	34.5	17.2	52	32	0.9	0.7
	- 5.9		+1.5	+0.4	- 3	- 3	-0.4	-0.6
20.SAURASHTRAKUTCH (INCLUDING DIU)	0.0	0	32.7	18.4	69	46	1.3	1.3
	- 4.6		+0.6	+0.5	+12	6	0.0	-0.1
21.KONKAN (INCLUDING GOA)	0.5	2	32.6	21.6	65	60	2.1	2.3
	- 25.6		+0.7	0.0	- 3	- 5	-0.5	-0.6
22.MADHYA-MAHARASHTRA	0.4	1	31.8	15.2	53	31	1.5	2.4
	- 29.5		+1.3	-0.3	- 9	- 7	-0.8	-0.4
23.MARATHWADA	0.0	0	31.5	14.5	45	30	1.4	2.6
	- 26.4		+1.3	+0.1	-10	- 8	-0.7	0.0
24.VIDARBHA	0.0	0	31.7	16.4	56	33	1.4	2.0
	- 15.4		+2.0	+0.4	- 6	- 9	-0.7	-0.3
25.COASTAL ANDHRA -PRADESH	32.8	28	30.8	19.9	73	62	1.8	2.3
	- 85.1		+1.2	-1.2	- 3	- 5	-2.0	-1.8
26.TELANGANA	0.0	0	30.9	17.5	68	39	1.8	1.8
	- 19.7		+1.0	-0.1	- 2	- 9	-1.2	-1.4
27.RAYALASEEMA	14.5	23	29.3	17.7	72	53	1.9	3.1
	- 49.6		-0.2	-1.7	- 2	- 4	-2.1	-1.4
28.MADRAS STATE (INCL.PONDICH.)	188.5	89	29.2	20.7	78	68	4.6	5.1
	- 22.7		-0.3	-1.7	- 3	- 3	-0.6	-0.4
29.COASTAL MYSORE	8.5	13	33.4	21.3	61	56	3.2	3.4
	- 55.9		+1.6	-0.8	-15	-13	-0.7	-0.8
30.INTERIOR MYSORE (NORTH)	2.5	7	30.2	17.7	62	37	2.6	3.2
	- 33.7		+0.6	-0.2	- 2	- 6	-0.5	-0.5
31.INTERIOR MYSORE (SOUTH)	14.8	24	28.3	15.7	71	43	3.1	3.4
	- 46.6		+0.6	-2.0	- 7	-12	-1.4	-1.3
32.KERALA	69.9	37	31.3	21.7	74	64	4.2	4.7
	-118.4		+0.6	-1.5	- 7	-10	-0.6	-0.9
33.ARABIAN SEA ISLANDS	78.9	69	30.8	23.3	76	73	4.0	5.3
	- 35.6		+0.6	-0.9	- 3	- 4	-0.4	0.0

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

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYNA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation: 0.1 & 0.3 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
MAYA BANDAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
LONG ISLAND	30.1	-0.2	32.3	07	23.4	-0.4	21.9	13	12.4	27.0	-202.5	10.2	04	3	- 7.1	5.1	2.6	+0.9	0	6	0	0	0	0	0	0	0
PORT BLAIR	30.8	+1.6	31.5	29	23.3	-0.3	21.7	01	38.9	123.9	-126.8	46.8	19	10	- 1.9	8.4	6.8	-4.9	1	14	0	0	3	2	0	0	0
CAR NICOBAR	30.4	+0.6	31.5	23	23.1	-0.2	20.2	13	37.7	150.9	-104.1	50.3	25	10	- 4.0	3.8	4.6	+1.0	0	12	0	0	0	0	0	0	0
NAN COWRY	31.5	+1.3	33.0	08	24.6	+0.6	22.9	30	85.0	201.8	- 74.2	63.2	30	8	- 7.0	1.3	0.7	-1.8	0	14	0	0	2	0	0	0	0
KONDUL	28.5	+0.1	30.3	13	22.9	-1.0	21.9	30	143.1	223.1	- 43.1	37.6	29	17	+ 1.1	5.2	3.5	-0.5	0	19	0	0	9	0	0	0	0
NORTH ASSAM (INCLUDING NEFA)																											
PASIGHAT	25.5	-1.4	30.0	03	15.3	-1.3	11.8	19	1.0	15.4	- 6.0	5.4	21	3	+ 1.1	9.9	15.2	+3.0	3	4	0	0	3	0	0	0	0
DIBRUGARH (MOHANBARI)	26.3	-0.5	29.6	03	12.9	-1.4	9.5	28	1.3	21.5	+ 0.3	10.4	20	3	+ 1.2	4.0	2.2	+0.6	0	4	0	0	5	1	0	0	0
DIGBOI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
NORTH LAKHIMPUR	26.3	-1.4	29.3	03	11.4	-2.5	8.8	29	4.8	7.6	- 20.4	7.2	26	1	- 1.1	5.2	2.6	..	2	1	0	0	0	0	0	0	0
SIBSAGAR	26.2	-0.6	29.1	06	13.3	-2.7	10.7	28	0.0	14.3	- 18.7	13.0	26	1	- 1.4	1.7	2.5	+0.1	0	4	0	0	0	0	0	0	0
GOHPUR	26.7	-0.6	30.0	03	11.8	-2.5	9.0	22	0.0	13.2	- 1.4	13.2	26	1	- 0.3	4.3	2.7	..	0	1	0	0	0	7	0	0	0
MAJBAT	27.8	..	30.5	10	13.7	..	12.0	20	0.0	0.0	- 19.3	0.0	..	0	- 1.7	2.6	2.1	-0.3	0	0	0	0	0	0	0	0	0
JORHAT AERODROME	26.7	..	29.2	06	13.7	..	10.8	30	0.0	10.5	..	8.5	26	1	..	..	..	..	0	2	0	0	3	17	0	0	0
TANGLA	27.7	-0.7	30.0	10	13.5	-1.6	10.2	30	0.0	0.5	- 17.2	0.5	26	0	- 1.0	3.0	2.1	+0.8	0	1	0	0	0	0	0	0	0
TEZPUR	27.6	0.0	29.9	10	14.7	-1.8	11.9	30	0.0	5.0	- 16.8	3.2	25	1	- 0.8	5.0	3.8	+1.7	0	2	0	0	1	0	0	0	0
GOLAGHAT	26.7	-0.5	28.6	07	13.8	-1.3	10.9	22	0.0	6.5	- 16.1	6.2	26	1	- 0.5	..	..	..	0	2	0	0	0	0	0	0	0
RANGIA	27.5	-1.2	29.8	11	14.7	-1.5	11.3	30	0.0	17.0	+ 3.9	17.0	26	1	- 0.3	..	..	..	0	1	0	0	0	0	0	0	0
CHAPARMUKH	28.3	-0.4	30.1	02	14.7	-2.6	9.5	27	0.0	15.6	- 1.0	15.6	26	1	- 0.1	2.5	2.3	..	0	1	0	0	2	0	0	0	0
GOALPARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GAUHATI (BHURJOR)	26.7	-0.8	29.4	01	14.1	-3.2	10.9	30	0.0	36.0	+ 26.1	30.6	15	2	+ 1.0	5.0	2.6	..	0	4	0	0	5	4	0	0	2
DHUBRI (RUPSI)	27.3	-0.8	30.7	01	13.8	-1.8	11.4	18	0.0	51.8	+ 50.9	51.8	20	1	+ 0.9	6.9	5.7	+3.3	0	1	0	1	2	1	0	0	0
DHUBRI	26.4	+0.1	29.6	01	15.4	-2.4	12.5	30	0.0	1.8	- 9.1	1.8	21	0	- 0.8	5.1	7.3	+2.8	0	1	0	0	2	1	0	0	0
LUMDING	26.8	-0.3	29.4	01	12.8	-2.6	9.4	28	1.2	6.4	- 23.8	4.5	25	1	- 0.8	3.2	2.0	..	0	2	0	0	0	0	0	0	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
TURA	26.5	0.0	28.9	06	15.8	-0.5	12.6	30	7.4	7.4	- 8.9	7.2	18	1	- 0.5	5.1	4.7	+0.1	1	1	0	0	0	0	0	0	0
HAFLONG	22.3	-1.7	25.3	03	14.7	-0.1	10.7	28	1.2	6.5	-119.4	5.2	03	1	+ 0.6	..	..	..	1	2	0	0	1	0	0	0	0
SILCHAR (KUMBHIRGRAM)	28.8	-0.3	31.8	03	15.5	-0.6	12.9	29	0.0	2.6	- 13.3	2.3	03	0	- 1.3	4.8	7.2	+0.8	0	2	0	0	0	0	0	0	0
SILCHAR	28.4	-0.8	31.4	03	16.6	-1.0	13.9	29	0.0	7.8	- 35.6	7.4	03	1	- 1.1	0.8	0.4	-1.1	0	1	0	0	0	0	0	0	0
IMPHAL (TULIHAL)	24.3	-0.5	26.8	03	7.7	-2.4	2.9	30	2.8	4.1	- 24.0	2.8	04	1	- 0.5	4.7	2.9	-0.4	0	3	0	0	1	10	0	0	0
KAILASHAHAR	28.5	-0.4	31.0	05	13.6	-2.1	10.3	29	0.0	0.0	- 21.4	0.0	..	0	- 0.6	2.6	1.1	-0.4	0	0	0	0	0	8	0	0	0
AGARTALA	28.4	-0.3	30.1	03	12.7	-3.3	9.9	29	0.0	0.0	- 48.7	0.0	..	0	- 1.7	6.0	2.9	-0.2	0	0	0	0	0	1	0	0	0
SUB-HIMALAYAN WEST BENGAL																											
BAGHDOGRA	29.0	+0.5	32.0	05	11.1	-3.0	8.3	18	9.3	10.3	+ 4.3	7.8	21	2	+ 1.6	6.0	6.1	+3.3	0	2	0	0	3	0	0	0	0
JALPAIGURI	27.8	+0.1	30.2	05	14.8	-1.4	12.9	19	0.0	0.0	- 14.2	0.0	..	0	- 0.8	4.6	3.7	+0.5	0	0	0	0	1	0	0	0	0
COOCH BEHAR AERODROME	27.3	-1.0	30.4	05	12.9	-2.6	10.6	28	0.0	1.3	- 8.9	0.7	14	0	- 0.7	4.3	2.0	0.0	0	2	0	0	4	1	0	0	0
BALURGHAT	28.8	..	30.4	02	15.0	..	12.2	03	0.0	0.0	..	0.0	..	0	..	1.3	1.7	..	0	0	0	0	0	0	0	0	0
MALDA	28.5	+0.9	31.5	01	15.3	-0.4	12.7	28	0.2	0.2	- 13.8	0.2	26	0	- 0.8	1.8	0.8	-3.0	1	0	0	0	1	0	0	0	0
GANGETIC WEST BENGAL																											
BERHAMPORE	30.2	+0.8	34.3	13	16.1	-1.3	13.0	29	0.0	0.0	- 17.8	0.0	..	0	- 0.9	0.2	0.0	-1.3	0	0	0	0	0	12	0	0	0
SURI	29.2	+0.9	31.1	01	16.6	-0.2	12.0	19	..	0.0	- 23.1	0.0	..	0	- 0.5	.	2.6	-2.6	0	0	0	0	0	0	0	0	0
ASANSOL	30.1	+1.1	32.8	11	13.3	-2.8	10.4	27	0.0	0.0	- 16.5	0.0	..	0	- 1.1	4.9	2.4	-2.4	0	0	0	0	0	0	0	0	0
SHANTI NIKETAN	29.0	..	31.2	01	14.9	..	12.8	28	0.0	0.0	..	0.0	..	0	..	2.6	3.2	..	0	0	0	0	0	0	0	0	0
KRISHNANAGAR	31.0	+0.8	33.3	01	15.5	-1.2	13.0	29	0.0	0.0	- 25.9	0.0	..	0	- 1.2	2.4	1.7	-0.3	0	0	0	0	0	0	0	0	0
PURULIA	28.7	+0.6	30.9	11	13.7	-2.9	10.9	27	0.0	0.0	- 19.0	0.0	..	0	- 1.1	4.0	2.5	-0.6	0	0	0	0	0	0	0	0	0
BANKURA	30.4	..	33.0	11	15.6	..	13.1	27	0.0	0.0	- 17.5	0.0	..	0	- 1.1	3.6	2.0	..	0	0	0	0	0	0	0	0	0
BURDWAN	30.0	+1.3	32.6	12	15.7	-2.1	13.6	28	0.0	0.0	- 25.1	0.0	..	0	- 1.1	3.7	2.9	-0.2	0	0	0	0	0	0	0	0	0
CALCUTTA (DUM DUM)	29.1	+0.1	31.0	01	15.8	-1.8	13.8	28	0.0	0.0	- 28.6	0.0	..	0	- 1.1	3.8	1.9	-2.0	0	0	0	0	0	0	0	0	0
CALCUTTA	29.8	+0.3	32.1	01	17.2	-1.2	14.7	28	4.3	0.0	- 27.2	0.0	..	0	- 1.3	5.2	2.7	+0.1	0	0	0	0	0	0	0	0	0
MIDNAPORE	29.4	+0.4	31.1	11	15.8	-1.2	13.4	28	0.0	0.0	- 31.5	0.0	..	0	- 1.4	4.0	2.0	-0.8	0	0	0	0	0	0	0	0	0
CONTAI	29.6	+0.4	31.5	01	18.3	-0.5	15.4	28	0.0	0.0	- 60.0	0.0	..	0	- 2.2	3.7	1.9	-1.0	0	0	0	0	0	1	0	0	0
SAGAR ISLAND	28.0	+0.1	30.1	02	19.3	-1.0	16.1	28	0.0	0.2	- 34.6	0.2	30	0	- 1.6	9.8	8.4	-2.7	1	0	0	0	0	2	0	0	0
SANDHEADS	29.9	..	32.5	11	24.1	..	22.3	06	0.0	0.0	- 53.6	0.0	..	0	- 2.0	..	..	..	0	0	0	0	0	0	0	0	0
ORISSA																											
BARIPADA	30.5	+0.9	32.4	16	14.2	-1.8	11.9	27	0.0	11.8	- 3.5	11.8	30	1	+ 0.2	2.7	1.2	-0.3	0	1	0	0	1	1	0	0	0
JHARSUGUDA	31.0	+1.9	32.7	12	14.5	-0.6	12.4	13	0.0	1.5	- 5.0	1.5	29	0	- 0.7	6.2	4.7	-1.2	0	1	0	0	0	0	0	0	0
KEONJHARGARH	28.7	+1.9	29.9	20	13.8	-1.4	10.7	28	0.0	2.6	- 4.5	2.3	25	0	- 0.8	2.2	2.8	-0.3	0	2	0	0	0	0	0	0	0
BALASORE	29.9	+1.1	32.1	01	16.0	-1.7	13.5	27	0.0	1.8	- 44.9	1.8	30	1	- 0.6	2.4	3.9	+0.1	0	1	0	0	0	0	0	0	0
SAMBALPUR	29.9	+0.6	31.1	05	14.3	-1.5	12.3	14	0.0	0.0	- 12.7	0.0	..	0	- 0.9	2.7	2.3	-0.8	0	0	0	0	0	0	0	0	0

TABLE II – SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – NOVEMBER, 1967. (KARTIKA 10 – AGRAHAYANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena – No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
ORISSA(CONTD.)																												
ANGUL	30.6	+1.9	31.6	15	15.8	-1.8	14.2	28	0.0	0.0	- 29.7	0.0	..	0	- 1.6	4.5	5.0	-0.2	0	0	0	0	0	0	0	0	0	0
CHANDBALI	30.3	+1.5	31.9	12	16.6	-1.8	14.5	04	0.0	9.0	- 56.3	5.0	20	2	0.[illegible]	5.7	4.1	-1.0	0	2	0	0	0	0	0	0	0	0
BOLANGIR	31.1	+1.8	32.6	20	22.2	+6.3	18.6	05	0.0	0.0	- 3.7	0.0	..	0	- 0.8	1.9	2.6	-1.3	0	0	0	0	0	0	0	0	0	0
PHULBANI	28.7	..	30.0	15	13.7	..	10.7	10	0.0	0.0	..	0.0	..	0	..	3.1	1.3	..	0	0	0	0	0	0	0	0	0	0
CUTTACK	32.2	+2.1	33.9	12	18.8	0.0	16.5	10	0.0	0.0	- 45.2	0.0	..	0	- 1.6	3.0	1.7	-1.6	0	0	0	0	0	1	0	0	0	0
TITLAGARH	31.2	+2.0	32.6	21	16.2	0.0	13.3	10	0.0	0.0	- 7.5	0.0	..	0	- 0.7	2.9	2.5	+0.4	0	0	0	0	0	0	0	0	0	0
BHUBANESWAR	30.9	+1.5	32.6	01	17.3	-0.7	14.9	10	4.0	4.0	- 46.5	4.0	18	1	- 0.6	8.2	5.9	-1.4	0	1	0	0	1	0	0	0	0	0
PURI	30.6	+1.3	32.3	03	19.1	-1.7	15.8	22	0.0	0.0	- 80.8	0.0	..	0	- 2.4	11.9	9.6	-0.6	0	0	0	0	0	0	0	0	0	0
GOPALPUR	30.0	+0.7	32.4	01	17.4	-2.1	14.4	10	0.0	0.0	-101.1	0.0	..	0	- 2.7	9.9	7.3	-3.1	0	0	0	0	0	0	0	0	0	0
KORAPUT	26.0	+0.6	27.8	01	14.4	+0.7	11.4	15	0.0	1.1	- 24.5	1.1	02	0	- 1.8	..	..	..	0	1	0	0	0	0	0	0	0	0
BIHAR PLATEAU																												
DUMKA	29.9	+1.2	32.0	04	13.9	-1.2	10.9	27	0.0	0.0	- 15.5	0.0	..	0	- 0.9	4.8	3.1	+0.8	0	0	0	0	0	0	0	0	0	0
DALTONGANJ	28.9	+0.8	30.7	11	11.8	-1.0	8.2	26	0.0	0.0	- 14.2	0.0	..	0	- 0.8	..	..	..	0	0	0	0	0	0	0	0	0	0
HAZARIBAGH	25.8	+0.2	27.9	14	9.9	-2.8	7.0	27	0.0	0.0	- 18.0	0.0	..	0	- 1.1	8.5	5.7	+0.1	0	0	0	0	0	0	0	0	0	0
DHANBAD	29.0	+1.2	31.5	11	15.1	-0.5	12.8	27	0.0	0.0	- 15.1	0.0	..	0	- 0.5	2.0	2.0	-4.4	0	0	0	0	0	0	0	0	0	0
RANCHI	25.9	+0.2	27.8	11	10.4	-2.6	7.2	27	0.0	0.0	- 20.3	0.0	..	0	- 1.3	5.1	2.9	-0.2	0	0	0	0	0	0	0	0	0	0
RANCHI AERODROME	25.7	+0.4	27.6	11	12.7	-0.8	10.1	21	0.0	0.0	- 4.0	0.0	..	0	- 0.5	11.3	7.1	-0.3	0	0	0	0	0	0	0	0	0	0
JAMSHEDPUR	30.1	+1.0	32.2	01	14.5	-1.0	11.9	27	0.0	0.0	- 19.5	0.0	..	0	- 1.2	4.7	3.3	+0.1	0	0	0	0	0	1	0	0	0	0
JAMSHEDPUR P.B.U.	29.0	+0.7	30.7	01	13.6	-1.6	10.9	25	0.0	0.0	- 16.0	0.0	..	0	- 0.5	5.4	2.8	-0.6	0	0	0	0	0	0	0	0	0	0
CHAIBASA	29.8	+1.3	31.5	15	13.1	-2.3	10.1	27	0.0	1.0	- 20.8	1.0	30	0	- 1.3	2.7	1.9	-0.3	0	1	0	0	2	0	0	0	0	0
BIHAR PLAINS																												
MOTIHARI	28.5	+0.5	31.4	02	10.3	-3.5	8.5	30	0.0	0.0	- 1.8	0.0	..	0	- 0.3	0.4	1.2	-0.5	0	0	0	0	0	0	0	0	0	0
FORBESGANJ	27.4	-2.6	32.0	04	13.4	-0.4	10.7	20	0.0	0.0	- 3.5	0.0	..	0	- 0.1	4.1	2.1	-0.4	0	0	0	0	0	1	0	0	0	0
DARBHANGA	29.2	+0.5	31.6	04	14.2	-1.0	12.0	27	0.0	0.0	- 7.9	0.0	..	0	- 0.5	1.5	1.2	0.0	0	0	0	0	0	0	0	0	0	0
MUZAFFARPUR	28.1	..	31.3	01	13.4	..	10.6	26	0.0	0.0	- 7.1	0.0	..	0	- 0.5	..	..	..	0	0	0	0	0	0	0	0	0	0
CHAPRA	29.4	..	31.9	04	15.8	..	13.2	28	0.0	1.4	- 4.7	1.4	20	0	- 0.5	1.9	1.6	..	0	1	0	0	0	0	0	0	0	0
PURNEA	28.1	-0.7	30.3	01	11.3	-3.1	9.2	28	0.0	0.0	- 10.2	0.0	..	0	- 0.6	2.2	1.1	-0.8	0	0	0	0	0	0	0	0	0	0
PATNA	29.7	+0.8	32.0	08	15.8	-0.3	13.2	26	0.0	0.0	- 8.9	0.0	..	0	- 0.6	2.8	2.7	-0.9	0	0	0	0	0	0	0	0	0	0
PATNA AERODROME	28.8	+0.5	31.2	05	13.4	-0.4	10.5	27	0.0	1.6	- 6.2	1.6	20	0	- 0.2	4.8	2.3	0.0	0	1	0	0	0	7	0	0	0	0
ARRAH	..	..	..	..	..	..	..	..	0.0	0.0	- 6.6	0.0	..	0	- 0.6	..	..	..	.	..	..	..	..	..	..	.	..	.
BHAGALPUR	28.5	-0.5	31.3	11	15.6	-1.0	13.1	27	0.1	0.1	- 4.9	0.1	15	0	- 0.3	4.0	2.7	-0.7	1	0	0	0	0	3	0	0	0	0
SABAUR	28.5	+0.2	31.0	11	11.6	-2.4	9.2	27	0.0	0.0	- 7.9	0.0	..	0	- 0.7	4.0	1.5	-1.9	0	0	0	0	0	1	0	0	0	0
JAMUI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DEHRI	29.4	+0.5	31.4	11	14.0	-1.0	12.0	27	0.0	1.3	- 10.6	1.3	20	0	- 0.7	4.5	2.9	-0.2	0	1	0	0	0	0	0	0	0	0
GAYA	28.7	+0.2	31.5	11	12.9	-1.2	9.9	27	0.0	0.4	- 4.2	0.4	20	0	- 0.3	5.5	4.0	+1.0	0	1	0	0	1	0	0	0	0	0
UTTAR PRADESH EAST																												
KHERI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BAHRAICH	28.7	+0.1	31.8	10	13.2	-0.2	10.1	26	0.0	0.0	- 5.8	..	..	0	- 0.4	4.3	2.9	+0.2	0	0	0	0	0	0	0	0	0	0
NAUTANWA	28.3	+0.7	30.6	01	11.8	-2.0	9.6	26	0.0	0.0	- 1.3	0.0	..	0	- 0.4	..	..	..	0	0	0	0	0	0	0	0	0	0
HARDOI	28.7	-0.2	32.2	04	12.5	+0.2	10.1	23	0.0	0.0	- 1.9	0.0	..	0	- 0.2	3.5	2.5	-0.4	0	0	0	0	0	0	0	0	0	0
GONDA	28.7	+0.1	31.5	02	12.0	-0.6	9.7	26	0.0	0.0	- 3.5	0.0	..	0	- 0.2	2.5	1.9	-0.5	0	0	0	0	0	0	0	0	0	0
LUCKNOW	28.7	-0.6	31.7	10	13.1	+0.4	10.6	25	1.8	1.8	- 3.8	1.8	24	0	- 0.3	..	..	..	0	1	0	0	0	0	0	0	0	0
LUCKNOW(AMAUSI)	28.6	+0.4	32.2	10	11.8	+0.9	9.7	21	0.4	2.2	+ 1.5	1.8	23	0	- 0.1	6.7	3.8	-0.3	0	2	0	0	0	0	0	0	0	0
FAIZABAD	29.2	+1.0	32.4	10	12.5	+0.3	9.9	26	0.0	0.0	- 2.4	0.0	..	0	- 0.2	..	..	..	0	0	0	0	0	2	0	0	0	0
GORAKHPUR	29.3	+0.8	31.9	02	14.1	-0.5	11.3	26	0.0	0.0	- 4.8	0.0	..	0	- 0.3	4.1	1.8	-0.2	0	0	0	0	0	0	0	0	0	0
KANPUR	29.1	+0.2	33.3	02	13.1	+0.8	11.1	26	0.0	0.0	- 6.6	0.0	..	0	- 0.3	8.8	5.7	+0.6	0	0	0	0	0	0	0	0	0	0
KANPUR(AERODROME)	28.8	..	32.9	10	13.4	..	10.8	25	0.5	0.5	..	0.5	24	0	..	..	..	..	0	1	0	0	0	0	0	0	0	0
SULTANPUR	30.2	+1.5	33.0	10	10.3	-3.3	9.1	17	0.0	0.0	- 0.9	0.0	..	0	- 0.2	2.1	1.7	-0.8	0	0	0	0	0	0	0	0	0	0
AZAMGARH	29.8	+0.3	32.9	04	12.8	-0.5	9.4	30	0.0	0.0	- 7.6	0.0	..	0	- 0.3	3.4	1.5	..	0	0	0	0	0	0	0	0	0	0
FATEHPUR	30.2	+1.2	33.6	10	13.5	+0.8	11.0	22	0.0	0.0	- 2.4	0.0	..	0	- 0.4	5.0	2.8	+0.5	0	0	0	0	0	0	0	0	0	0
BALLIA	29.1	+0.3	32.4	01	15.1	+2.4	13.0	30	0.0	0.0	- 13.4	0.0	..	0	- 0.3	2.5	1.7	-0.4	0	0	0	0	0	0	0	0	0	0
BANDA	30.9	+1.7	33.6	04	14.5	+1.6	12.2	26	0.0	2.4	- 0.7	2.4	02	0	- 0.2	1.0	0.4	-0.3	0	1	0	0	0	0	0	0	0	0
ALLAHABAD(BAMHRAULI)	30.2	+1.2	33.2	10	13.4	+0.3	9.9	26	0.0	0.0	- 8.6	0.0	..	0	- 0.7	3.9	2.0	-1.4	0	0	0	0	0	0	0	0	0	0
VARANASI(BABATPUR)	29.4	+0.8	32.0	10	12.6	-0.3	10.1	26	0.0	0.0	- 14.9	0.0	..	0	- 0.2	6.9	5.1	0.0	0	0	0	0	0	0	0	0	0	0
VARANASI	29.7	+1.1	31.5	06	12.9	-0.5	10.0	27	0.0	2.0	- 8.2	2.0	20	0	- 0.6	2.4	1.9	-3.3	0	1	0	0	0	0	0	0	0	0
UTTAR PRADESH WEST																												
MUKHIM	15.8	-1.7	19.5	01	6.1	-1.5	3.3	23	8.2	20.0	+ 4.7	14.0	23	1	+ 0.3	..	..	..	1	4	0	0	2	0	0	0	0	0
TEHRI	24.8	-0.6	28.0	01	8.8	-0.4	6.5	14	11.7	15.4	+ 8.1	9.2	17	2	+ 1.7	2.9	1.4	..	0	3	0	1	1	0	0	0	0	0
DEHRA DUN	23.6	-1.1	26.3	09	10.0	-0.3	7.3	25	2.0	3.6	- 4.0	3.6	23	1	+ 0.5	1.0	1.0	-2.0	0	1	0	0	0	0	0	0	0	0
MANSIARI	11.7	..	16.3	01	2.6	..	0.3	25	..	61.4	..	20.8	23	6	..	..	..	..	0	11	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST (CONTD.)																												
RHORKEE	26.0	-0.5	30.4	10	9.6	-0.5	6.1	26	11.7	13.0	+ 8.7	11.0	28	1	+ 0.7	3.0	1.7	-0.9	0	3	0	0	0	0	0	0	0	0
NAJIBABAD	26.3	-0.5	29.9	12	9.8	-1.0	6.9	25	4.0	5.1	+ 0.3	5.1	28	1	+ 0.5	2.8	3.2	+0.9	0	1	0	0	0	0	0	0	0	0
MEERUT	27.6	-0.3	32.0	08	9.9	-1.4	6.5	14	..	10.0	+ 7.5	6.0	28	1	+ 0.7	.	4.0	-0.4	0	3	0	0	0	0	0	0	0	0
BAREILLY	27.3	-1.1	31.7	10	13.3	+0.7	10.6	26	0.2	2.5	- 1.6	2.3	23	0	- 0.3	5.1	3.4	+1.2	1	1	0	0	1	2	0	0	0	0
ALIGARH	28.1	-0.9	31.4	03	12.1	0.0	10.0	14	0.4	3.5	+ 3.0	1.8	23	0	- 0.1	5.1	3.0	-1.6	0	3	0	0	0	0	0	0	0	0
MAINPURI	29.4	-0.6	33.3	02	12.4	+0.7	9.2	14	0.0	1.4	- 1.9	1.4	02	0	- 0.3	..	..	..	0	1	0	0	0	0	0	0	0	0
AGRA	29.0	-0.2	32.5	09	13.3	+1.3	9.9	14	0.0	0.0	- 3.3	0.0	..	0	- 0.3	..	..	..	0	0	0	0	0	0	0	0	0	0
AGRA AERODROME	29.1	..	32.6	09	12.6	..	9.2	14	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	12	0	0	0	0	0
ORAI	30.4	+1.3	33.0	11	14.4	+1.9	11.0	30	0.0	3.4	+ 2.7	3.4	02	1	+ 0.9	..	..	..	0	1	0	0	0	0	0	0	0	0
JHANSI	30.1	+0.4	33.3	13	13.6	+0.5	12.0	21	0.0	0.0	- 9.4	0.0	..	0	- 0.6	4.0	4.0	+0.5	0	0	0	0	0	0	0	0	0	0
HARYANA (INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	25.8	-1.2	29.6	10	11.6	+1.3	8.2	29	0.0	0.4	- 5.0	0.4	28	0	- 0.4	..	..	..	0	1	0	0	0	0	0	0	0	0
AMBALA	26.2	-2.4	30.2	10	11.1	+0.9	8.0	14	6.6	6.6	+ 2.3	6.4	28	1	+ 0.6	11.2	7.1	+2.4	1	1	0	0	0	0	0	0	0	0
AMBALA AERODROME	26.4	..	31.0	10	7.9	..	4.7	14	5.1	5.1	..	4.3	28	1	..	..	..	..	0	2	0	0	0	0	0	0	0	0
KARNAL	25.9	-1.3	29.2	08	11.6	-0.3	8.0	14	0.0	1.1	- 4.2	1.1	28	1	+ 0.6	4.3	3.9	..	0	1	0	0	0	0	0	0	0	0
HISSAR	26.7	-2.9	30.6	08	11.7	+1.9	7.6	14	6.5	27.1	+ 26.1	10.6	27	3	+ 2.9	4.8	4.8	+0.3	0	4	0	0	2	0	0	0	0	0
NEW DELHI/SAFDARJUNG	27.0	-1.7	31.9	09	12.8	+1.0	9.0	14	3.0	8.8	+ 6.8	2.4	23	0	- 0.2	8.7	4.4	-2.3	2	6	0	0	1	5	0	0	0	0
PALAM AERODROME	26.9	..	29.9	01	11.8	..	7.6	14	2.8	9.2	..	2.7	16	1	..	..	..	..	0	6	0	0	1	2	0	0	0	0
PUNJAB																												
PATHANKOT	25.2	-0.7	28.5	08	9.3	-0.5	5.5	29	1.0	1.2	- 8.8	1.0	23	0	- 0.8	..	..	..	0	1	0	0	0	0	0	0	0	0
AMRITSAR	25.6	-0.9	28.6	08	10.6	+1.8	6.9	14	0.6	1.8	- 5.6	1.2	22	0	- 0.6	..	..	..	0	2	0	0	0	1	0	0	0	0
ADAMPUR AERODROME	25.9	..	29.4	08	9.0	..	5.3	13	0.5	1.0	..	0.5	28	0	..	..	..	..	0	2	0	0	0	0	0	0	0	0
LUDHIANA	26.6	-2.2	29.6	05	11.2	+1.1	8.6	26	0.0	0.6	- 2.7	0.6	16	0	- 0.4	3.7	1.8	-0.2	0	1	0	0	2	0	0	0	0	0
FEROZEPUR	26.1	-1.4	30.0	06	10.6	+0.9	8.0	26	0.0	15.0	+ 6.3	15.0	28	1	+ 0.5	2.7	1.8	+0.4	0	1	0	0	0	0	0	0	0	0
HALWARA AERODROME	26.2	..	30.0	09	8.6	..	3.9	14	0.0	1.6	..	1.6	22	0	..	..	..	..	0	1	0	0	0	2	0	0	0	0
PATIALA	26.2	-2.0	29.9	10	11.1	+0.5	7.7	14	4.0	4.0	+ 0.2	4.0	28	1	+ 0.6	4.6	5.1	-1.4	0	1	0	0	0	0	0	0	0	0
BHATINDA	27.3	0.0	31.4	09	10.5	+0.6	6.8	26	3.8	3.8	- 1.9	3.8	28	1	+ 0.2	1.3	1.5	-1.8	0	1	0	0	0	0	0	0	0	0
HIMACHAL PRADESH																												
MANDI	23.2	-1.2	27.3	08	7.5	+0.7	5.3	28	4.8	6.2	- 1.5	5.1	23	1	+ 0.6	..	..	..	0	2	0	0	0	0	0	0	0	0
BILASPUR	22.6	-2.5	26.0	06	..	..	..	..	0.0	4.5	- 5.7	4.5	23	1	+ 0.3	3.3	2.1	-0.2	0	1	0	0	0	5	0	0	0	0
JAMMU AND KASHMIR																												
MISGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GILGIT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SKARDU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DRAS	..	..	..	..	..	..	..	..	..	5.3	- 7.5	2.4	08	0	- 1.4	..	..	..	0	6	0	0	0	0	0	0	0	0
SONAMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
LEH	5.1	-2.7	11.0	01	- 8.7	-5.3	-13.0	30	2.1	8.3	+ 6.5	3.0	28	2	+ 1.7	7.1	6.4	+1.4	0	4	0	0	0	0	0	0	0	0
SRINAGAR	13.7	-1.8	18.1	04	1.9	+1.8	- 1.4	25	4.0	9.0	- 3.7	2.8	09	2	+ 0.9	4.7	3.3	+0.3	0	5	0	0	0	0	0	0	0	0
SRINAGAR AERODROME	12.1	..	17.5	03	1.9	..	- 1.7	26	3.6	6.2	..	3.6	09	1	..	..	..	..	1	3	0	0	0	0	0	0	0	0
GULMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
QAZIGUND	12.6	..	16.9	01	1.9	..	- 1.2	26	12.8	22.9	..	17.8	09	2	..	1.1	1.0	..	1	3	1	0	1	0	0	0	0	0
BANIHAL	15.2	..	21.3	01	3.5	..	0.1	26	7.8	35.9	..	14.0	09	5	..	..	..	..	0	7	0	0	0	0	0	0	0	0
JAMMU	26.2	0.0	29.6	02	12.4	-1.0	9.4	27	0.0	2.0	- 4.6	2.0	28	0	- 0.6	5.1	4.9	..	0	1	0	0	0	0	0	0	0	0
JAMMU AERODROME	25.3	..	28.7	01	12.4	..	8.1	13	0.0	4.2	..	2.5	28	1	..	..	..	..	0	3	0	0	0	0	0	0	0	0
GULMARG (RESEARCH INSTITUTE)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
RAJASTHAN, WEST																												
GANGANAGAR	28.6	-0.8	33.8	06	..	..	..	..	2.8	10.8	+ 7.8	5.8	27	2	+ 1.8	2.0	1.2	-2.1	0	4	0	0	3	2	0	0	0	0
ANUPGARH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	.	..	..	..	..	..	..	.	..	.
MAHAJAN	29.2	..	34.0	06	12.1	..	8.7	25	0.0	5.0	..	5.0	27	1	..	7.6	6.7	..	0	1	0	0	1	0	0	0	0	0
CHURU	28.8	+0.5	32.8	08	11.1	+1.3	7.5	25	5.6	11.2	+ 5.5	8.2	28	2	+ 1.5	6.8	5.4	+1.2	0	2	0	0	4	0	0	0	0	0
BIKANER	29.8	-0.5	34.0	06	13.2	+3.2	0.0	25	3.5	10.8	+ 9.8	10.8	28	1	+ 0.9	6.2	5.1	+1.6	0	1	0	0	3	1	0	0	0	0
BARMER	30.1	+1.4	33.5	06	12.8	+0.3	9.5	25	0.0	3.2	+ 2.9	3.2	28	1	+ 1.0	6.2	5.0	+0.1	0	1	0	0	0	0	0	0	0	0
PHALODI	30.2	-0.1	33.8	05	14.6	+1.5	1.2	21	0.0	0.0	- 0.8	0.0	..	0	- 0.1	8.6	7.4	-4.4	0	0	0	0	0	0	0	0	0	0
JAISALMER	31.5	+0.4	34.6	06	12.2	-0.8	0.0	00	0.0	0.0	- 4.1	0.0	..	0	- 0.3	8.3	6.3	+0.8	0	0	0	0	0	0	0	0	0	0
JODHPUR	32.3	+0.9	34.8	06	15.8	+1.9	13.6	26	0.0	0.0	- 1.8	0.0	..	0	- 0.1	..	..	..	0	0	0	0	1	0	0	0	0	0
BARMER	..	..	..	..	..	..	..	..	0.0	0.0	- 0.3	0.0	..	0	- 0.1	3.7	3.5	-1.8	0	0	0	0	0	0	0	0	0	0
ERINPURA (JAWAI DAM)	32.0	+1.3	34.1	05	15.9	+1.3	11.8	24	5.0	5.0	- 0.6	5.0	29	1	+ 0.7	4.2	3.8	+0.1	0	1	0	0	0	0	0	0	0	0
RAJASTHAN, EAST																												
PILANI	29.0	+0.6	33.2	09	10.2	-0.5	7.0	17	2.2	12.6	+ 6.0	9.0	28	1	+ 0.5	7.8	6.7	0.0	0	3	0	0	0	0	0	0	0	0
SIKAR	29.5	+0.4	31.8	07	11.6	+1.2	7.0	25	0.0	12.8	+ 8.7	9.1	28	2	+ 1.7	3.3	2.5	-1.8	0	2	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation: 0.1 & 0.5 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
RAJASTHAN, EAST (CONTD.)																												
ALWAR	28..	-0.1	32.0	09	12.5	+0.2	9.6	26	0.0	2.8	- 6.1	1.8	30	0	- 1.2	3.4	1.8	..	0	2	0	0	0	0	0	0	0	0
JAIPUR (SANGANER)	29.6	+0.6	32.4	08	15.1	+3.1	11.4	25	0.0	0.0	- 2.3	0.0	..	0	- 0.3	..	..	..	0	0	0	0	0	0	0	0	0	0
DHOLPUR	30.2	+1.3	33.5	03	11.3	0.0	9.2	23	0.0	0.0	- 0.7	0.0	..	0	- 0.4	5.8	3.0	+0.6	0	0	0	0	0	0	0	0	0	0
AJMER	30.3	+1.4	32.8	06	13.2	+2.3	10.5	25	2.8	6.2	+ 2.9	6.2	30	1	+ 0.6	6.3	3.3	+1.0	0	1	0	0	2	0	0	0	0	0
TONK	31.1	+3.2	33.7	08	14.1	+2.2	10.6	13	0.0	0.8	- 12.1	0.8	30	0	- 0.8	6.8	4.9	+0.9	0	1	0	0	0	0	0	0	0	0
BHILWARA	30.7	..	32.5	07	13.4	..	11.2	26	0.0	0.0	..	0.0	..	0	..	5.1	3.9	..	0	0	0	0	0	0	0	0	0	0
KOTA	31.7	+0.9	34.0	08	14.3	-0.5	11.6	14	0.0	0.0	- 6.1	0.0	..	0	- 0.6	4.0	2.2	+0.5	0	0	0	0	0	0	0	0	0	0
KOTA AERODROME	31.0	..	33.4	07	15.8	..	12.8	26	0.0	0.0	..	0.0	..	0	..	6.6	5.3	..	0	0	0	0	0	0	0	0	0	0
CHAMBAL (RAWAT BHATTA DAM)	31.6	+1.7	34.6	08	15.0	+4.4	12.4	26	0.0	0.0	- 0.9	0.0	..	0	- 0.1	5.5	2.9	-0.5	0	0	0	0	0	0	0	0	0	0
UDAIPUR	30.6	+1.5	32.0	06	13.0	+2.0	10.7	26	0.0	0.0	- 3.6	0.0	..	0	- 0.3	2.6	1.1	-0.4	0	0	0	0	0	0	0	0	0	0
JHALAWAR	31.9	+2.1	33.6	12	13.3	+1.1	11.1	13	0.0	0.0	- 13.2	0.0	..	0	- 1.0	4.4	2.4	+0.3	0	0	0	0	0	0	0	0	0	0
BANSWARA	33.3	..	34.8	02	17.3	..	14.1	25	..	..	..	..	..	..	..	6.2	5.2	..	..	..	0	0	0	0	0	0	0	0
MADHYA PRADESH, WEST																												
GWALIOR	29.7	+0.3	33.0	09	11.6	+1.1	8.5	25	0.0	0.0	- 3.1	0.0	..	0	- 0.4	6.8	3.1	+0.3	0	0	0	0	0	0	0	0	0	0
SHEOPUR	31.0	+1.6	33.5	01	12.8	+1.8	10.4	26	0.0	0.7	- 3.7	0.7	30	0	- 0.4	6.5	3.3	+1.2	0	1	0	0	0	0	0	0	0	0
SHIVPURI	29.6	..	32.4	09	9.6	..	6.0	25	2.3	6.6	..	6.6	30	1	..	6.8	3.8	..	0	1	0	0	0	0	0	0	0	0
NOWGONG	30.1	+1.0	32.7	10	11.9	+1.4	9.4	26	0.0	0.8	- 13.7	0.8	02	0	- 0.7	2.6	1.1	-1.0	0	1	0	0	0	0	0	0	0	0
GUNA	31.5	+2.6	33.6	12	12.1	+1.5	8.7	04	0.0	0.0	- 21.6	0.0	..	0	- 0.8	7.9	4.9	+2.0	0	0	0	0	0	0	0	0	0	0
NIMACH	30.5	+1.2	31.8	02	15.4	+2.2	13.2	26	0.0	0.0	- 8.1	0.0	..	0	- 0.5	6.4	4.4	-0.5	0	0	0	0	0	0	0	0	0	0
RAJGARH	31.7	+1.8	33.1	08	13.6	+1.1	11.4	26	0.0	0.0	0.0	0.0	..	0	- 0.7	6.9	4.5	+0.1	0	0	0	0	0	0	0	0	0	0
SAGAR	31.3	+3.6	35.5	01	14.8	-0.7	12.0	21	0.0	0.0	- 23.4	0.0	..	0	- 1.1	11.4	13.6	+6.9	0	0	0	0	0	0	0	0	0	0
RATLAM	32.2	+1.9	34.3	01	15.2	+0.6	12.7	19	0.0	0.0	- 3.0	0.0	..	0	- 0.3	7.5	5.5	-0.4	0	0	0	0	0	0	0	0	0	0
BHOPAL (BAIRAGARH)	30.4	+1.9	31.8	02	14.9	+1.6	11.9	18	0.0	0.0	- 20.6	0.0	..	0	- 1.1	9.0	5.9	+1.6	0	0	0	0	0	0	0	0	0	0
UJJAIN	28.6	..	31.5	16	11.4	..	9.0	18	0.0	0.0	..	0.0	..	0	..	7.0	3.3	..	0	0	0	0	0	0	0	0	0	0
NARSINGHPUR	31.4	..	34.0	02	11.4	..	8.4	07	0.0	0.0	..	0.0	..	0	..	4.6	2.3	..	0	0	0	0	0	0	0	0	0	0
HOSHANGABAD	31.4	+2.1	33.3	03	15.4	+0.9	13.0	18	0.0	0.0	- 21.3	0.0	..	0	- 1.0	3.7	3.6	+0.6	0	0	0	0	0	0	0	0	0	0
INDORE	30.9	+2.1	31.7	15	13.8	+1.7	10.8	29	0.0	0.0	- 21.1	0.0	..	0	- 1.2	9.7	7.0	-0.5	0	0	0	0	0	0	0	0	0	0
RAJPUR (JHABUA)	32.7	+1.6	34.4	04	14.2	-1.0	12.2	18	0.0	0.0	- 5.7	0.0	..	0	- 0.7	5.8	3.3	+0.5	0	0	0	0	0	0	0	0	0	0
CHHINDWARA	29.4	+1.7	30.4	18	12.2	+0.4	9.2	14	0.0	0.0	- 18.0	0.0	..	0	- 0.3	..	..	..	0	0	0	0	0	0	0	0	0	0
SEONI	29.8	+2.3	32.0	16	14.2	+0.9	12.0	09	5.2	0.0	- 21.6	0.0	..	0	- 1.1	6.5	4.0	-0.6	0	0	0	0	0	0	0	0	0	0
BETUL	30.0	+2.3	31.2	09	12.1	+0.1	8.5	19	0.0	0.0	- 28.9	0.0	..	0	- 1.2	5.5	3.2	-0.6	0	0	0	0	0	0	0	0	0	0
KHANDWA	31.8	+0.6	34.0	11	14.3	+0.8	12.0	19	0.0	0.0	- 27.2	0.0	..	0	- 1.2	6.6	4.1	-0.2	0	0	0	0	0	0	0	0	0	0
MADHYA PRADESH, EAST																												
SATNA	29.9	+1.0	32.0	10	13.7	+2.1	11.1	26	0.0	0.0	- 12.2	0.0	..	0	- 0.8	4.9	3.2	0.5	0	0	0	0	0	0	0	0	0	0
REWA	29.3	..	31.6	10	12.1	..	9.4	26	0.0	0.0	..	0.0	..	0	..	4.1	1.8	..	0	0	0	0	0	0	0	0	0	0
SIDHI	29.9	+0.8	32.3	10	11.8	+0.1	9.0	26	0.0	9.0	+ 7.6	7.0	28	1	+ 0.8	2.8	1.5	+1.1	0	2	0	0	0	0	0	0	0	0
UMARIA	29.5	+1.9	31.0	11	11.9	+1.1	8.6	26	0.0	0.0	- 21.9	0.0	..	0	- 1.0	5.1	2.9	+0.4	0	0	0	0	2	1	0	0	0	0
JABALPUR	30.8	+1.9	32.2	12	13.9	+2.2	11.3	26	0.0	0.0	- 18.8	0.0	..	0	- 1.0	4.4	2.3	-0.5	0	0	0	0	0	0	0	0	0	0
AMBIKAPUR	27.3	+1.3	29.0	15	11.0	+0.5	8.2	26	0.5	0.5	- 0.6	0.5	25	0	- 0.1	8.2	5.5	-0.3	0	1	0	0	0	1	0	0	0	0
JASHPURNAGAR	26.2	..	27.6	11	10.1	..	7.6	27	0.0	0.0	..	0.0	..	0	..	6.1	3.0	..	0	0	0	0	0	0	0	0	0	0
PENDRA	27.4	+1.1	29.3	16	14.4	+1.0	12.2	26	1.7	2.5	- 15.3	1.4	25	0	- 1.3	7.3	4.2	+0.5	0	2	0	0	4	0	0	0	0	0
MANDLA	29.3	+1.2	30.8	03	10.8	+0.9	8.4	05	1.4	0.0	- 7.9	0.0	..	0	- 0.2	4.0	1.7	+0.2	0	0	0	0	2	1	0	0	0	0
CHAMPA	30.2	+0.9	31.3	11	15.2	-0.9	12.9	09	0.0	3.0	- 2.7	3.0	17	1	+ 0.4	3.9	3.2	-1.7	0	1	0	0	1	0	0	0	0	0
RAIGARH	31.3	+1.5	32.8	11	15.9	-0.5	13.4	09	0.0	0.0	- 0.7	0.0	..	0	- 0.1	5.2	3.5	-0.3	0	0	0	0	0	0	0	0	0	0
RAIPUR	30.6	+1.5	32.0	30	16.6	+0.6	14.7	09	0.0	0.2	- 14.3	0.2	27	0	- 0.9	5.3	3.4	-0.7	1	0	0	0	0	0	0	0	0	0
KANKER	29.7	+1.4	31.1	14	14.8	+0.6	12.0	07	0.0	0.0	- 20.3	0.0	..	0	- 1.1	3.1	2.7	-0.3	0	0	0	0	0	0	0	0	0	0
JAGDALPUR	29.5	+1.4	30.6	18	14.4	-0.3	10.8	10	0.3	0.3	- 29.7	0.3	02	0	- 1.8	..	..	..	0	1	0	0	0	1	0	0	0	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DEESA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
RADHANPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
IDAR	33.5	+1.8	35.4	01	18.6	-0.6	14.3	13	0.0	0.0	0.0	0.0	..	0	- 0.3	6.3	4.6	-1.7	0	0	0	0	0	0	0	0	0	0
AHMADABAD	34.4	+1.4	36.4	01	16.6	+0.5	14.7	27	0.0	0.0	- 4.3	0.0	..	0	- 0.4	6.3	3.0	-1.1	0	0	0	0	0	0	0	0	0	0
DOHAD	32.8	+1.3	34.5	03	16.5	+1.2	14.1	18	0.0	0.0	- 11.1	0.0	..	0	- 0.6	7.2	6.2	-0.5	0	0	0	0	0	0	0	0	0	0
VALLABH VIDYANAGAR	34.5	..	35.9	01	15.4	..	13.0	18	0.0	0.0	..	0.0	..	0	..	4.9	3.5	..	0	0	0	0	0	5	0	0	0	0
BARODA AERODROME	34.5	+1.2	36.4	05	16.0	-0.4	14.0	27	0.0	0.0	- 2.1	0.0	..	0	- 0.3	3.7	1.7	-4.8	0	0	0	0	0	0	0	0	0	0
BARODA	35.9	+2.5	38.1	04	17.0	+2.7	15.1	27	0.0	0.0	- 5.2	0.0	..	0	- 0.4	2.4	1.4	-1.2	0	0	0	0	0	0	0	0	0	0
BROACH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7.3	5.6	+1.0	..	..	0	0	0	1	0	0	0	0
SURAT	35.8	+0.9	36.8	03	18.4	-0.8	15.7	26	0.0	0.0	- 12.9	0.0	..	0	- 0.5	5.3	4.9	-1.3	0	0	0	0	0	0	0	0	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																												
NALIYA	32.5	+0.7	35.8	13	15.2	+0.9	13.4	17	0.0	0.0	- 7.7	0.0	..	0	- 0.7	10.6	7.3	-2.1	0	0	0	0	0	6	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27
SURASHTRA AND KUTCH (INCLUDING DIU) (CONTD.)																											
BHUJ (RUDRAMATA)	33.0	+0.7	35.5	14	17.9	+2.3	15.6	26	0.0	0.0	- 1.0	0.0	..	0	- 0.2	10.0	7.4	+0.4	0	0	0	0	0	0	0	0	0
KANDLA AERODROME	33.8	..	36.2	14	18.9	..	15.6	14	0.0	0.0	..	0.0	..	0	..	11.8	13.4	..	0	0	0	0	0	1	0	0	0
NEW KANDLA	32.0	+1.7	35.0	06	20.7	+0.6	18.9	26	0.0	0.0	- 15.8	0.0	..	0	- 0.4	4.6	6.6	-4.5	0	0	0	0	0	0	0	0	0
MANDVI	30.6	+0.1	35.3	06	18.0	-1.2	15.0	09	0.0	0.0	- 1.8	0.0	..	0	- 0.5	14.5	13.1	-0.7	0	0	0	0	0	0	0	0	0
SURENDRANAGAR	34.5	+1.7	36.2	08	19.7	+1.8	17.7	26	0.0	0.0	- 1.1	0.0	..	0	- 0.1	6.7	6.0	-0.7	0	0	0	0	0	0	0	0	0
OKHA	28.2	..	30.3	05	23.3	..	21.3	08	0.0	0.0	..	0.0	..	0	..	13.6	15.9	..	0	0	0	0	0	2	0	0	0
JAMNAGAR AERODROME	32.7	+0.4	34.5	16	17.2	+1.1	14.2	20	0.0	0.0	- 2.3	0.0	..	0	- 0.2	..	..	..	0	0	0	0	0	2	0	0	0
DWARKA	29.9	-0.9	34.4	05	21.5	+1.0	20.0	11	0.0	0.0	- 2.0	0.0	..	0	- 0.1	14.5	11.8	-0.6	0	0	0	0	0	0	0	0	0
RAJKOT	33.8	+0.6	35.6	04	17.5	+1.0	14.5	26	0.0	0.0	- 2.8	0.0	..	0	- 0.3	11.4	10.3	-0.3	0	0	0	0	0	3	0	0	0
BHAVNAGAR AERODROME	32.5	+0.9	34.6	01	18.0	0.0	16.4	27	0.0	0.0	- 0.6	0.0	..	0	- 0.1	14.6	11.4	+4.6	0	0	0	0	0	0	0	0	0
PORBANDER AERODROME	33.4	+0.4	36.0	04	19.0	-1.0	16.2	18	0.0	0.0	- 11.3	0.0	..	0	- 0.3	9.2	5.7	..	0	0	0	0	0	1	0	0	0
KESHOD	34.8	+1.0	36.4	04	17.0	-0.4	15.3	18	0.0	0.0	- 6.6	0.0	..	0	- 0.6	13.0	10.1	-1.9	0	0	0	0	0	0	0	0	0
MAHUVA	34.2	..	35.5	22	18.2	..	14.1	14	0.0	0.0	- 2.1	0.0	..	0	- 0.3	3.2	1.8	..	0	0	0	0	0	0	0	0	0
VERAVAL	33.0	+0.1	35.9	01	18.8	0.0	17.0	26	0.0	0.0	- 4.1	0.0	..	0	- 0.2	16.4	12.5	+2.2	0	0	0	0	0	0	0	0	0
DIU	31.1	..	34.4	03	20.8	..	17.2	18	0.0	0.0	..	0.0	..	0	..	15.0	9.7	..	0	0	0	0	0	0	0	0	0
KONKAN (INCLUDING GOA)																											
DAHANU	32.0	+0.1	0.0	00	22.0	+2.0	0.0	00	0.0	0.0	- 30.7	..	..	..	..	14.1	10.1	+0.2	..	..	0	0	0	0	0	0	0
BOMBAY (SANTACRUZ)	33.8	+0.7	35.3	01	19.6	-0.2	17.9	10	0.0	0.0	- 6.2	0.0	..	0	- 0.6	9.0	5.6	-1.5	0	0	0	0	0	0	0	0	0
BOMBAY	32.6	+0.3	35.3	12	22.6	-0.2	21.0	19	0.0	0.0	- 17.5	0.0	..	0	- 0.8	7.9	6.9	-1.3	0	0	0	0	0	0	0	0	0
ALIBAG	32.0	+0.7	34.5	10	20.3	-0.6	18.9	11	..	0.0	- 34.3	0.0	..	0	- 1.5	.	6.9	+0.8	0	0	0	0	0	0	0	0	0
BHIRA	36.3	..	37.5	04	16.7	..	15.0	28	0.0	0.0	..	0.0	..	0	..	4.0	2.4	..	0	0	0	0	0	0	0	0	0
HARNAI	31.5	+0.9	34.5	11	24.6	+0.5	22.7	17	0.0	0.0	- 25.2	0.0	..	0	- 1.5	12.7	11.1	+0.5	0	0	0	0	0	0	0	0	0
RATNAGIRI	33.3	+0.9	35.1	10	21.2	-0.2	18.8	11	0.0	0.0	- 35.3	0.0	..	0	- 1.6	9.9	5.8	..	0	0	0	0	0	0	0	0	0
DEVGARH	32.5	+0.6	34.6	10	21.3	-1.1	19.7	13	0.0	0.0	- 29.8	0.0	..	0	- 1.9	12.6	10.3	-0.3	0	0	0	0	0	0	0	0	0
VENGURLA	33.5	+0.8	35.3	12	19.4	-1.2	17.0	18	1.7	3.9	- 16.5	2.3	02	0	- 1.6	9.1	4.9	..	0	2	0	0	1	0	0	0	0
PANJIM	33.4	..	34.8	12	21.6	..	19.7	20	5.2	8.7	..	5.2	02	2	..	11.0	9.1	..	0	2	0	0	1	0	0	0	0
MURMUGAO	32.3	+1.3	35.1	12	23.2	+0.4	21.5	18	0.0	0.4	- 35.4	0.4	01	0	- 2.1	11.5	10.3	+0.8	0	1	0	0	0	0	0	0	0
DABOLIM (NAVAL AIR STN.)	32.8	..	34.6	08	22.4	..	20.4	19	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0
MADHYA MAHARASHTRA																											
NANDURBAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
JALGAON	33.8	+1.8	34.9	15	14.4	-0.1	11.6	14	0.0	0.0	- 18.8	0.0	..	0	- 0.9	7.6	6.7	-0.4	0	0	0	0	0	0	0	0	0
MALEGAON	33.2	+2.2	34.6	17	14.3	0.0	12.0	15	0.0	0.0	- 27.9	0.0	..	0	- 1.3	6.2	4.7	0.0	0	0	0	0	0	0	0	0	0
DZAR	31.5	..	32.5	02	12.7	..	10.0	26	0.0	0.0	..	0.0	..	0	..	8.9	6.5	..	0	0	0	0	0	0	0	0	0
AHMADNAGAR	32.3	+2.6	34.1	01	14.5	-0.6	11.7	12	0.0	0.0	- 36.1	0.0	..	0	- 1.7	7.7	4.2	1.8	0	0	0	0	0	0	0	0	0
KHANDALA	..	..	..	..	..	..	..	..	..	0.0	- 20.8	0.0	..	0	- 1.0	..	..	..	0	0	0	0	0	0	0	0	0
POONA AERODROME	31.6	..	33.1	22	15.5	..	12.5	13	0.0	3.0	..	3.0	02	1	..	..	..	..	0	1	0	0	0	0	0	0	0
POONA	30.9	+1.0	32.6	01	13.0	-0.5	9.4	09	0.0	0.2	- 30.3	0.2	02	0	- 1.8	5.5	2.4	..	1	0	0	0	0	0	0	0	0
JEUR	31.5	+0.6	32.8	03	15.3	+0.1	11.8	07	0.0	0.0	- 22.8	0.0	..	0	- 1.1	10.2	6.1	+0.8	0	0	0	0	0	0	0	0	0
BARAMATI	30.9	+1.0	33.0	04	16.1	+0.1	13.1	09	0.0	0.0	- 37.1	0.0	..	0	- 2.3	8.6	6.2	-0.5	0	0	0	0	0	0	0	0	0
SHOLAPUR	31.6	+0.6	33.1	07	17.6	+0.4	14.9	16	0.0	0.0	- 31.5	0.0	..	0	- 1.7	9.0	7.7	-1.4	0	0	0	0	0	0	0	0	0
MIRAJ	30.9	+0.8	31.8	26	16.0	-1.1	12.5	18	0.0	1.6	- 39.5	1.6	01	0	- 2.4	..	..	..	0	1	0	0	0	0	0	0	0
KOLHAPUR	31.3	+1.0	32.4	26	16.0	-0.7	13.3	18	0.0	1.8	- 30.5	1.8	01	0	- 2.0	12.8	7.6	-0.6	0	1	0	0	0	0	0	0	0
MARATHWADA																											
AURANGABAD	31.7	+1.4	32.8	02	16.9	+0.8	14.0	07	0.0	0.0	- 31.0	0.0	..	0	- 1.6	5.8	4.5	-3.0	0	0	0	0	0	0	0	0	0
AURANGABAD (CHIKALTHAN)	31.1	+1.2	31.9	02	11.7	-1.0	9.0	11	0.0	0.0	- 14.1	0.0	..	0	- 1.0	6.6	3.3	-2.5	0	0	0	0	0	0	0	0	0
PARBHANI	31.6	+1.1	32.8	26	14.9	+0.5	11.8	21	0.0	0.0	- 34.0	0.0	..	0	- 1.7	6.8	4.6	-0.9	0	0	0	0	0	0	0	0	0
NANDER	32.2	..	33.6	29	13.8	..	11.0	08	..	..	..	..	..	..	..	4.8	4.2	..	.	..	0	0	0	0	0	0	0
BIR	31.4	..	33.2	01	14.9	..	11.4	11	0.0	0.0	..	0.0	..	0	..	6.0	3.2	..	0	0	0	0	0	0	0	0	0
VIDARBHA																											
GONDIA	30.9	+1.6	32.5	12	16.3	+1.1	13.9	07	0.0	0.0	- 18.0	0.0	..	0	- 0.9	2.4	1.6	-0.6	0	0	0	0	1	0	0	0	0
NAGPUR (SONEGAON)	32.1	+2.2	34.0	17	14.0	-0.1	10.7	07	0.0	0.0	- 19.8	0.0	..	0	- 1.1	7.3	6.0	-1.5	0	0	0	0	0	0	0	0	0
AMRAOTI	32.2	+2.1	33.3	30	17.7	+0.3	15.7	05	0.0	0.0	- 21.3	0.0	..	0	- 1.2	9.0	8.2	+0.6	0	0	0	0	0	1	0	0	0
AKOLA AERODROME	33.0	..	34.2	28	15.5	..	13.3	07	0.0	0.0	..	0.0	..	0	..	8.3	7.7	..	0	0	0	0	0	0	0	0	0
AKOLA	33.0	+2.0	34.2	25	16.2	+1.2	13.1	19	0.0	0.0	- 23.4	0.0	..	0	- 1.2	4.5	3.5	-1.0	0	0	0	0	0	0	0	0	0
BRAMHAPURI	31.4	+1.2	32.4	03	14.6	-2.1	10.9	07	0.0	0.0	- 11.8	0.0	..	0	- 0.4	5.7	3.1	-0.1	0	0	0	0	0	0	0	0	0
KOLUANA	30.3	+2.0	31.1	01	17.9	+0.9	15.6	07	0.0	0.0	- 22.0	0.0	..	0	- 1.3	8.2	7.2	+1.4	0	0	0	0	0	0	0	0	0
YEOTMAL	31.8	+2.7	33.5	29	17.4	+1.1	14.5	05	0.0	0.0	- 1.9	0.0	..	0	- 0.3	8.6	7.0	0.0	0	0	0	0	0	0	0	0	0
CHANDRAPUR	31.9	+2.4	33.4	19	16.0	+0.9	12.1	10	0.0	0.0	- 15.7	0.0	..	0	- 1.1	5.8	3.6	+0.7	0	0	0	0	0	0	0	0	0
PUSAD	32.5	..	33.6	29	14.6	..	11.2	08	0.0	0.0	..	0.0	..	0	..	6.5	3.9	..	0	0	0	0	0	0	0	0	0
STRUNGTA	31.7	+1.5	33.0	01	17.2	+0.3	13.6	09	0.0	0.0	- 4.9	0.0	..	0	- 0.7	4.8	2.5	-0.7	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYNA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
VIDARBHA (CONTD.)																												
WARDHA	32.3	..	33.6	30	16.0	..	13.2	08	0.0	0.0	..	0.0	..	0	..	6.1	4.5	..	0	0	0	0	0	0	0	0	0	0
BHANDARA	31.3	..	33.0	18	..	..	..	..	0.0	0.0	..	0.0	..	0	..	2.0	1.1	..	0	0	..	..	..	..	..	.	..	.
COASTAL ANDHRA PRADESH																												
KALINGAPATAM	30.1	+1.6	32.2	12	18.4	-2.0	15.3	10	0.0	0.0	- 84.1	0.0	..	0	- 2.8	10.3	6.8	-4.4	0	0	0	0	0	0	0	0	0	0
VISHAKHAPATNAM	31.5	+2.2	33.5	12	19.3	-1.9	15.3	11	0.0	0.0	-112.8	0.0	..	0	- 3.9	8.3	3.6	-4.5	0	0	0	0	0	0	0	0	0	0
KAKINADA	30.1	+1.4	32.0	15	20.6	-1.0	18.4	13	0.0	14.0	-127.0	7.8	01	2	- 2.6	12.6	9.6	-2.4	0	2	0	0	0	0	0	0	0	0
NIDADAVOLE	31.1	+0.8	32.6	13	19.6	-1.0	15.9	12	0.0	0.0	- 38.9	0.0	..	0	- 1.9	7.8	5.5	-1.6	0	0	0	0	0	0	0	0	0	0
RENTACHINTALA	32.3	+1.5	34.6	19	19.3	-0.3	17.0	11	0.0	0.0	- 46.7	0.0	..	0	- 3.1	3.2	2.7	-1.3	0	0	0	0	0	0	0	0	0	0
GANNAVARAM	31.0	+0.3	32.1	01	20.4	-0.7	17.7	16	0.0	0.0	- 33.7	0.0	..	0	- 2.4	12.4	8.2	-2.0	0	0	0	0	0	0	0	0	0	0
MASULIPATAM	29.5	+0.5	30.4	13	19.9	-2.2	18.0	15	0.0	3.6	-134.6	3.6	01	1	- 3.6	5.4	3.7	-5.1	0	1	0	0	0	0	0	0	0	0
ONGOLE	31.3	+1.5	33.3	18	..	..	..	..	12.6	38.2	-110.1	25.6	01	2	- 3.1	7.3	5.3	+0.4	0	3	0	0	0	0	0	0	0	0
NELLORE	30.2	+0.6	31.3	27	21.3	-1.0	19.9	18	59.9	239.0	- 78.5	100.9	02	4	- 5.0	..	..	..	0	4	0	0	0	0	0	0	0	0
TELANGANA																												
RAMGUNDAM	32.5	+1.8	34.6	20	17.7	+0.2	14.2	10	0.0	0.0	- 10.7	0.0	..	0	- 0.8	6.6	3.9	-0.4	0	0	0	0	0	0	0	0	0	0
NIZAMABAD	31.6	+1.9	33.0	29	16.7	+0.5	14.0	11	0.0	0.0	- 15.5	0.0	..	0	- 1.2	6.8	5.6	+1.7	0	0	0	0	0	0	0	0	0	0
HANAMKONDA	29.4	-0.5	31.5	19	18.3	-0.1	15.1	10	0.0	0.0	- 27.4	0.0	..	0	- 1.8	5.9	4.4	-0.9	0	0	0	0	0	14	0	0	0	0
HAKIMPET AERODROME	29.1	..	30.7	19	17.7	..	15.8	11	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	2	0	0	0	0
BHADRACHALLAM	31.7	+1.2	33.0	02	18.2	0.0	14.4	11	0.0	0.0	- 8.6	0.0	..	0	- 0.6	4.2	3.0	-1.5	0	0	0	0	0	0	0	0	0	0
HYDERABAD (BEGAMPET)	30.3	+1.6	31.5	30	14.4	-1.6	11.7	13	0.0	0.0	- 29.7	0.0	..	0	- 1.9	7.9	3.7	-4.3	0	0	0	0	0	0	0	0	0	0
KHAMMAM	31.4	+0.8	33.0	19	20.0	+0.9	15.5	11	0.0	0.0	- 33.3	0.0	..	0	- 1.9	3.4	2.8	-1.2	0	0	0	0	0	2	0	0	0	0
MAHBUBNAGAR	29.7	+0.5	31.6	07	17.1	-1.0	14.8	14	0.0	0.0	- 12.8	0.0	..	0	- 0.7	11.9	7.9	-1.9	0	0	0	0	0	0	0	0	0	0
RAYALASEEMA																												
KURNOOL	31.8	+0.8	32.8	01	17.9	-1.3	13.7	16	0.0	0.0	- 30.2	0.0	..	0	- 2.0	4.5	2.2	-2.9	0	0	0	0	0	0	0	0	0	0
NANDYL	31.1	..	32.5	26	17.0	..	14.0	16	0.0	1.2	..	1.2	03	0	..	8.2	5.5	..	0	1	0	0	0	0	0	0	0	0
ANANTAPUR	30.0	0.0	31.2	19	17.8	-1.6	14.6	30	1.2	1.3	- 56.9	0.7	04	0	- 3.5	13.7	10.2	+1.7	1	2	0	0	0	0	0	0	0	0
CUDDAPAH	29.2	-1.2	30.9	14	19.5	-1.8	15.6	17	8.8	12.4	- 82.9	5.8	02	2	- 3.0	6.6	4.8	-0.6	0	3	0	0	0	0	0	0	0	0
ARUGYAVARAM	26.1	-0.4	28.4	14	15.4	-2.2	11.6	15	21.0	44.2	- 28.3	30.0	03	4	- 1.5	6.9	5.8	+0.7	0	4	0	0	0	0	0	0	0	0
MADRAS STATE (INCLUDING PONDICHERRY)																												
MADRAS	28.8	-0.4	29.6	09	21.9	-0.8	19.7	19	50.5	128.8	-145.7	48.0	01	4	- 4.0	11.5	7.6	+0.8	0	4	0	0	0	0	0	0	0	0
MADRAS (MINAMBAKKAM)	28.8	-0.4	29.8	20	21.2	-1.3	19.5	19	68.3	146.5	-203.8	51.0	04	4	- 6.8	12.0	7.3	-4.4	0	4	0	0	1	0	0	0	0	0
VELLORE	28.8	-0.5	30.2	26	18.1	-2.6	14.3	17	22.3	70.2	-113.4	31.4	02	4	- 4.2	12.2	7.9	+2.5	0	4	0	0	0	0	0	0	0	0
TAMBARAM AERODROME	30.0	..	31.4	27	20.8	..	19.2	16	92.7	201.3	..	83.1	02	4	..	..	..	..	0	4	0	0	2	0	0	0	0	0
TIRUPPATTUR	29.1	+0.2	32.1	06	18.2	-1.2	12.1	19	0.0	64.7	- 39.8	31.7	03	3	- 2.2	5.2	3.6	+0.1	0	3	0	0	0	0	0	0	0	0
METTUR DAM R.S.	30.8	..	33.9	08	19.9	..	16.4	16	0.0	77.0	..	..	..	..	..	6.1	6.3	..	.	..	0	0	0	0	0	0	0	0
CUDDALORE	28.4	-0.6	29.3	21	21.3	-1.5	18.8	15	97.5	567.3	+183.2	322.0	04	4	- 7.5	15.0	11.4	+2.4	0	4	0	0	4	0	0	0	0	0
KALLAKKURICHCHI	29.3	-0.6	30.0	25	..	..	..	..	100.0	171.0	+ 18.6	75.0	03	4	- 3.1	10.8	7.5	..	0	4	0	0	0	0	0	1	0	0
SALEM	30.2	-0.3	31.6	24	20.0	-1.2	16.9	15	10.6	193.1	+ 97.8	159.9	03	4	- 2.2	10.4	9.3	+2.8	0	5	0	0	1	0	0	0	0	0
COIMBATORE (PILAMEDU)	29.7	+0.7	32.2	01	18.5	-2.2	15.4	18	2.7	23.3	- 90.6	9.2	02	4	- 2.8	19.3	11.7	+2.2	1	4	0	0	2	0	0	0	0	0
COIMBATORE	29.9	+0.6	32.2	01	18.7	-2.4	15.0	15	..	60.1	- 52.9	17.0	02	4	- 2.9	.	6.6	+1.2	0	4	0	0	0	0	0	0	0	0
NAGAPATTINAM	28.6	-0.3	29.8	08	23.2	-0.7	21.8	29	150.6	334.7	-115.6	86.8	12	11	- 1.8	17.9	17.6	+4.3	0	13	0	0	1	0	0	0	0	0
TIRUCHCHIRAPPALLI	29.4	-0.5	30.9	24	21.2	-1.5	19.0	17	35.5	115.2	- 40.8	46.7	02	6	- 2.5	11.0	9.1	+0.6	0	8	0	0	1	0	0	0	0	0
VEDARANNIYAM	29.5	..	32.2	09	21.9	..	20.2	16	289.5	438.5	..	74.4	12	12	..	10.0	8.0	..	0	16	0	0	1	0	0	0	0	0
ATIRAMPATTINAM	28.8	..	30.8	01	22.1	..	20.0	16	117.1	162.3	..	42.2	06	9	..	11.2	8.9	..	0	13	0	0	1	0	0	0	0	0
MADURAI	30.0	-0.6	31.0	28	21.3	-1.7	18.9	19	..	149.0	- 1.4	54.2	02	5	3.0	.	7.9	+2.7	0	6	0	0	3	0	0	0	0	0
MADURAI AERODROME	29.2	-0.6	30.3	28	20.7	-1.8	17.8	19	1.6	171.8	+ 7.0	64.7	02	5	- 2.3	15.5	11.0	+1.0	0	7	0	0	2	0	0	0	0	0
TONDI	29.3	-0.4	31.0	02	22.5	-0.8	21.1	14	26.0	257.6	+ 38.1	95.0	02	10	- 1.4	14.3	11.5	-0.1	0	14	0	0	5	0	0	0	0	0
PAMBAN	28.0	-1.3	29.4	02	24.1	-0.6	22.4	30	123.9	467.4	+166.4	62.8	23	14	+ 1.2	22.6	21.6	+6.7	0	17	0	0	0	0	0	0	0	0
TUTICORIN	28.5	-0.6	29.9	02	22.3	-1.5	20.5	18	27.4	69.6	-124.3	29.3	04	6	- 3.3	21.2	18.3	+4.5	0	6	0	0	0	0	0	0	0	0
PALAYANKOTTAI	30.5	-0.2	32.1	13	18.7	-4.9	16.9	19	125.9	214.5	+ 31.4	109.1	02	9	- 0.5	9.6	8.1	+1.2	0	13	0	0	2	0	0	0	0	0
KANNIYAKUMARI	30.3	..	32.2	21	23.6	..	20.1	30	17.7	49.9	..	24.3	04	3	..	24.1	21.[illegible]	..	0	5	0	0	0	0	0	0	0	0
PONDICHERRY	28.8	..	29.9	09	22.5	..	20.4	15	53.1	235.6	..	130.9	02	4	..	28.2	22.8	..	1	4	0	0	0	0	0	0	0	0
COASTAL MYSORE																												
KARWAR	33.2	+1.6	34.6	09	19.8	-1.1	16.5	17	0.0	0.0	- 53.7	0.0	..	0	- 2.8	5.4	3.2	..	0	0	0	0	0	0	0	0	0	0
HONAVAR	33.7	+1.2	34.9	22	22.1	+0.2	19.0	15	0.0	0.0	- 56.1	0.0	..	0	- 3.1	..	..	..	0	0	0	0	0	0	0	0	0	0
MANGALORE (BAJPE)	33.8	+2.0	35.5	21	20.8	-1.5	17.8	18	2.9	12.9	- 54.9	10.0	05	2	- 2.3	9.6	6.4	+0.2	0	2	0,	0	4	0	0	0	0	0
MANGALORE	32.9	+1.8	34.4	21	22.6	-0.6	19.8	16	0.0	21.1	- 58.7	17.3	05	2	- 2.8	11.1	9.1	+1.9	0	3	0	0	1	0	0	0	0	0
INTERIOR MYSORE NORTH																												
BIDAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GULBARGA	31.0	+0.6	33.0	11	17.3	-0.2	14.8	13	0.0	0.0	- 32.5	0.0	..	0	- 1.8	11.7	7.8	-3.5	0	0	0	0	0	0	0	0	0	0
BIJAPUR	30.7	+1.0	32.6	27	17.9	+0.5	14.3	13	0.0	2.6	- 28.1	2.6	01	1	- 0.9	6.7	3.5	-0.5	0	1	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER.— NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with.											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
INTERIOR MYSORE NORTH (CONTD.)																												
RAICHUR	29.3	-0.8	31.0	26	19.8	-0.2	17.3	16	0.0	0.0	- 30.7	0.0	..	0	- 1.9	10.2	8.7	-0.9	0	0	0	0	0	0	0	0	0	0
BELGAUM	30.7	+1.4	32.1	27	16.3	-0.8	13.1	19	4.0	4.0	- 36.6	4.0	02	1	- 1.8	12.1	5.8	-1.0	0	1	0	0	0	0	0	0	0	0
BELGAUM(SAMRA)	29.0	+0.8	30.4	27	17.0	+0.1	13.3	14	0.6	8.4	- 30.3	7.8	01	1	- 1.0	11.7	6.1	-4.7	0	2	0	0	0	0	0	0	0	0
GADAG	30.4	+0.6	31.6	07	18.1	-0.3	16.3	12	0.0	0.0	- 44.2	0.0	..	0	- 2.9	12.7	9.0	+2.0	0	0	0	0	0	0	0	0	0	0
INTERIOR MYSORE, SOUTH																												
BELLARY	31.3	+1.4	32.7	19	18.2	-1.4	15.4	17	0.0	0.0	- 50.0	0.0	..	0	- 3.1	10.4	6.2	+1.8	0	0	0	0	0	0	0	0	0	0
CHITRADURGA	28.7	+0.3	29.8	26	18.1	-0.3	14.5	15	2.2	2.2	- 57.0	1.4	03	0	- 3.5	11.3	8.9	+2.7	0	3	0	0	0	0	0	0	0	0
SHIMOGA	29.7	+0.6	31.1	27	14.4	-2.9	10.3	19	0.0	0.0	- 49.6	0.0	..	0	- 3.3	10.4	4.8	+0.6	0	0	0	0	0	0	0	0	0	0
AGUMBE	28.7	..	30.0	22	14.0	..	10.4	15	..	0.0	..	0.0	..	0	..	.	6.1	..	0	0	0	0	0	0	0	0	0	0
BALEHONNUR	28.9	+2.7	31.1	22	14.9	-1.5	13.2	16	..	3.8	- 63.8	2.0	03	0	- 4.5	..	..	..	0	2	0	0	0	0	0	0	0	0
HASSAN	27.3	+0.3	31.9	12	15.5	-1.4	13.0	30	6.6	23.8	- 52.9	23.8	05	1	- 3.8	7.6	4.1	-1.4	0	1	0	0	0	0	0	0	0	0
BANGALORE	26.5	+0.2	28.4	26	13.8	-3.4	9.6	15	25.6	51.0	- 10.2	24.6	01	3	- 1.4	12.2	8.3	-0.2	0	4	0	0	0	2	0	0	0	0
BANGALORE AERODROME	26.6	-0.9	28.3	26	14.1	-3.3	10.5	16	10.4	14.8	- 40.3	11.0	03	1	- 2.8	..	..	..	0	4	0	0	0	4	0	0	0	0
MYSORE	27.1	-0.3	28.5	28	16.5	-1.8	12.0	15	8.6	22.4	- 49.2	11.0	03	2	- 2.6	18.2	13.6	+4.3	0	3	0	0	0	0	0	0	0	0
KERALA																												
CALICUT	31.5	+0.4	32.8	23	22.2	-1.2	18.9	16	84.2	116.0	- 40.7	64.8	04	4	- 2.8	7.4	5.7	-2.4	0	4	0	0	3	0	0	0	0	0
PALGHAT	32.6	+0.8	34.6	07	22.3	-0.7	20.8	17	21.8	94.4	- 14.1	44.0	02	4	- 2.3	..	..	..	0	5	0	0	1	0	0	0	0	0
FORT COCHIN	31.5	+1.7	34.0	29	22.5	-1.6	20.8	28	0.3	73.7	-113.2	32.9	05	4	- 4.8	9.6	7.3	+0.6	0	4	0	0	3	0	0	0	0	0
COCHIN(NAVAL AIR STATION)	31.6	..	33.2	28	22.6	..	19.2	19	0.0	64.2	..	35.4	01	4	..	9.8	7.6	..	0	4	0	0	5	0	0	0	0	0
ALLEPPEY	31.8	+1.5	34.4	22	23.4	-0.3	20.1	20	0.0	35.6	-193.1	26.2	01	3	- 8.0	13.1	9.2	+0.1	0	4	0	0	2	0	0	0	0	0
PUNALUR	30.1	-1.4	33.1	28	18.2	-3.8	15.3	19	26.4	72.4	-218.9	37.2	01	3	- 7.0	3.3	2.4	-0.9	0	3	0	0	0	0	0	0	0	0
TRIVANDRUM	30.8	+0.7	33.3	22	..	..	..	..	28.2	47.8	-157.7	27.4	04	3	- 7.3	4.2	2.5	-3.0	1	6	0	0	3	0	0	0	0	0
TRIVANDRUM AERODROME	30.7	+0.6	33.2	19	..	..	..	..	..	49.6	- 91.0	33.4	04	2	- 6.6	.	5.4	+0.1	1	3	0	0	2	0	0	0	0	0
ARABIAN SEA ISLANDS																												
AMINI	31.0	-0.2	31.8	29	23.4	-1.3	21.0	17	2.3	16.2	- 69.4	11.2	02	1	- 4.0	6.6	3.6	-2.0	0	5	0	0	1	0	0	0	0	0
AGATTI	31.6	..	32.4	29	26.3	..	23.1	05	9.8	30.8	..	20.7	05	3	..	..	..	..	0	5	0	0	3	0	0	0	0	0
ANDROTH	31.1	..	32.5	12	24.0	..	21.2	16	4.4	26.5	..	12.1	01	4	..	2.9	2.2	..	0	6	0	0	0	0	0	0	0	0
MINICOY	30.6	+1.4	32.6	14	23.2	-0.4	19.4	20	72.8	141.5	- 1.8	38.6	05	8	- 0.1	6.8	4.9	-2.1	0	11	0	0	4	0	0	0	0	0
HILL STATIONS(EXCLUDING KASHMIR)																												
DALHOUSIE	17.0	-1.5	22.4	04	5.8	-2.0	2.6	23	5.8	27.4	+ 8.9	7.6	24	5	+ 4.2	..	..	..	0	5	0	0	0	0	0	0	0	0
DHARMASALA	19.6	-1.1	22.9	10	9.7	-1.7	7.3	29	12.0	16.4	+ 1.4	11.6	23	1	+ 0.2	5.7	3.3	-0.4	0	4	0	0	0	0	0	0	0	0
BHUNTAR	19.9	..	24.2	07	4.6	..	1.6	14	6.4	21.5	..	10.0	23	2	..	6.7	4.4	..	0	6	0	0	1	0	0	0	0	0
SIMLA	12.7	-2.3	17.1	01	4.7	-2.6	0.6	23	10.3	12.5	+ 2.3	7.3	23	2	+ 1.1	4.1	2.9	-0.2	0	2	1	0	0	0	0	0	0	0
DHARMPUR	..	..	..	..	..	..	..	..	0.0	0.0	- 10.8	0.0	..	0	- 0.7	..	..	..	0	0	..	..	..	..	..	.	..	.
GHANGARIA (KANJALIA TUK)	9.1	..	14.3	22	- 0.5	..	- 3.1	29	..	49.2	..	20.4	23	4	..	..	..	..	0	5	0	0	0	0	0	0	0	0
BADRINATH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JOSHIMATH	15.0	-1.5	18.6	01	4.6	-1.4	1.8	25	12.0	25.2	- 2.2	22.0	23	2	0.0	4.8	5.6	-0.5	0	2	0	0	0	0	0	0	0	0
MUSSOORIE	13.5	-2.3	18.1	07	5.1	-2.3	2.7	26	2.0	4.9	- 4.4	3.4	23	1	+ 0.3	10.3	7.8	+1.5	0	2	0	0	0	0	0	0	0	0
MUKTESWAR(KUMAUN)	14.2	-1.6	17.8	01	4.2	-2.4	1.9	23	3.6	4.2	- 4.7	4.0	23	1	+ 0.4	..	..	..	1	1	0	0	0	0	0	0	0	0
NAINITAL	13.1	-2.6	16.4	07	4.5	-1.1	1.5	26	3.0	5.0	- 2.4	2.0	28	0	- 0.5	7.3	6.3	-0.8	0	3	1	0	0	0	0	0	0	0
KALIMPONG	17.9	-2.1	21.6	01	9.6	-2.0	5.4	30	0.0	1.5	- 14.0	1.5	25	0	- 1.1	8.3	8.0	-0.7	0	1	0	0	0	0	0	0	0	0
DARJEELING	14.8	-0.5	19.0	06	5.0	-2.4	1.4	26	0.5	5.4	- 14.2	3.4	28	1	- 0.2	2.0	1.8	+0.5	0	3	0	0	0	4	0	0	0	0
KOHIMA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SHILLONG(C.S.O.)	17.5	+2.2	21.5	06	8.6	+2.8	6.4	29	36.7	39.2	+ 0.9	15.5	18	5	+ 2.3	4.5	3.3	+1.3	0	10	0	2	3	1	0	0	0	0
CHERRAPUNJI	19.0	-0.7	22.2	08	10.5	-1.4	8.3	30	4.3	4.3	- 60.0	4.3	21	1	- 0.8	4.1	3.4	-1.9	0	1	0	0	0	0	0	0	0	0
ABU	24.3	+0.2	27.9	04	13.3	-0.2	11.4	27	0.0	0.0	- 4.3	0.0	..	0	- 0.4	3.2	2.5	-1.1	0	0	0	0	0	0	0	0	0	0
AIJAL	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
PACHMARHI	24.8	+0.7	26.1	02	10.6	+1.0	8.4	06	0.0	0.0	- 28.2	0.0	..	0	- 1.5	4.0	2.0	-0.8	0	0	0	0	0	0	0	0	0	0
MAHABALESHWAR	25.4	+1.4	27.6	01	15.5	+0.6	13.0	12	0.0	7.9	- 38.6	7.9	02	1	- 1.6	9.9	10.5	+0.2	0	1	0	0	0	1	0	0	0	0
MERCARA	23.8	+0.2	25.5	26	..	..	..	..	9.2	27.2	- 54.1	12.2	03	3	- 2.5	15.8	13.6	+3.6	0	5	0	0	0	0	0	0	0	0
OOTACAMUND	20.9	+2.0	22.9	25	6.1	-2.2	0.8	19	14.6	62.0	- 95.7	18.4	03	5	- 5.2	2.7	1.5	-1.5	0	5	0	0	0	0	0	0	0	0
COONOOR	20.0	+0.7	21.7	17	..	..	..	..	..	164.8	-134.3	101.2	04	5	- 6.7	..	..	..	0	6	0	0	0	0	0	0	0	0
KODAIKANAL	16.9	+0.8	20.0	17	8.9	-0.9	5.5	19	24.9	116.4	-137.1	37.3	04	7	- 5.6	12.0	12.2	+0.1	1	10	0	0	2	10	0	0	0	0
NEPAL																												
KATMANDU	21.8	-0.9	24.9	06	4.9	-2.5	2.2	1[illegible]	1.2	5.9	- 0.2	4.8	20	1	+ 0.5	0.5	0.1	-1.1	0	2	0	0	1	9	0	0	0	0
SIKKIM																												
LACHEN	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
HYDROMETEOROLOGICAL OBSERVATORIES																												
DAMODAR CATCHMENT																												
TILAIYA	26.8	..	29.4	11	12.[illegible]	..	9.5	27	0.0	2.3	..	2.3	20	0	..	6.5	3.2	..	0	1	0	0	0	0	0	0	0	0
HAZARIBAGH	25.4	..	27.3	15	11.2	..	8.3	26	0.0	0.1	..	0.1	20	0	..	4.6	2.6	..	1	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena – No. of days with										
																			Precipitation										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
DAMODAR CATCHMENT.(CONTD.)																													
KONAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
BOKARO	29.7	..	32.2	02	8.0	..	5.0	27	0.0	0.0	..	0.0	25	0	..	1.3	1.1	..	0	0	0	0	0	0	0	0	0	0
MAITHON	29.9	..	32.5	01	11.4	..	7.3	17	0.0	1.0	..	1.0	20	0	..	1.8	1.2	..	0	1	0	0	0	0	0	0	0	0
RAMGARH	28.9	..	30.4	15	10.7	..	7.8	27	0.0	0.0	..	0.0	..	0	..	3.1	2.0	..	0	0	0	0	0	13	0	0	0	0
PANCHET HILLS	29.1	..	31.2	11	15.0	..	12.7	27	0.0	0.0	..	0.0	..	..	..	2.3	1.3	..	0	0	0	0	0	0	0	0	0	0
DURGAPUR	29.1	..	31.2	04	14.6	..	11.9	27	0.0	0.0	..	0.0	..	0	..	9.3	8.7	..	0	0	0	0	0	0	0	0	0	0
MAHANADI CATCHMENT																													
GINABAHAR	28.6	..	30.3	10	10.8	..	8.6	27	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
HIRAKUD	30.6	..	31.9	30	16.3	..	14.2	09	0.0	0.0	..	0.0	..	0	..	2.6	1.4	..	0	0	0	0	0	0	0	0	0	0
BHIMKUND	28.9	..	31.3	01	13.3	..	11.0	27	11.3	11.3	..	11.3	21	1	..	5.5	2.7	..	0	1	0	0	2	0	0	0	0	0
SONEPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
KHIJRAWAN	29.4	..	30.6	25	14.3	..	10.1	10	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
NARMADA CATCHMENT																													
BAGRA TAWA	31.4	..	32.6	02	11.9	..	9.0	19	0.0	0.0	..	0.0	..	0	..	5.6	3.3	..	0	0	0	0	0	0	0	0	0	0
PUNASA	33.0	..	38.0	18	..	..	..	..	0.0	0.0	..	0.0	..	0	..	4.6	4.0	..	0	0	0	0	0	0	0	0	0	0
THIKRI	34.5	..	35.5	16	23.0	..	20.1	20	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
SABARMATI CATCHMENT																													
DAROI	32.4	..	34.0	12	..	..	..	..	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
GANDAK CATCHMENT																													
JAMOSOM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
KHUDI BAZAR	20.9	..	23.7	10	8.9	..	6.5	14	16.2	31.8	..	17.0	25	5	..	..	..	..	0	6	..	..	..	..	..	.	..	.
TIMURE	17.8	..	21.7	02	5.5	..	2.9	26	1.3	10.1	..	4.4	25	2	..	..	..	..	0	4	..	..	..	..	..	.	..	.
POKHARA	21.7	..	24.2	01	10.1	..	5.8	14	14.3	25.0	..	9.9	24	3	..	1.8	1.6	..	0	8	0	0	8	0	0	0	0	0
GORKHA	21.0	..	23.9	01	10.1	..	7.7	14	8.3	19.5	..	8.8	20	3	..	..	..	..	1	3	0	1	2	0	0	0	0	0
NUWAKOT	22.7	..	25.5	06	11.2	..	9.0	20	9.1	11.1	..	6.0	12	1	..	..	..	..	0	4	..	..	..	..	..	.	..	.
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																													
DAILEKH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GHAGHARA CATCHMENT																													
SALLYANA	19.2	..	22.5	03	8.7	..	6.1	26	0.0	0.9	..	0.9	28	0	..	..	..	..	0	1	..	..	..	..	..	.	..	.
BUTWAL	27.1	..	29.4	03	16.3	..	14.4	30	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
BAGHMATI CATCHMENT																													
KATHMANDU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
KOSI CATCHMENT																													
CHAUTARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
WALUNGCHUNG GOLA	6.0	..	10.1	06	- 3.5	..	- 7.2	26	5.6	29.8	..	9.7	14	5	..	..	..	..	0	7	..	..	..	..	..	.	..	.
TAPLETHOK	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BHOJPUR	15.5	..	19.4	08	8.9	..	6.0	26	3.6	3.6	..	3.6	22	1	..	..	..	..	0	1	..	..	..	..	..	.	..	.
TAPLEJUNG	15.7	..	19.2	06	6.2	..	3.6	26	10.0	22.9	..	8.6	25	3	..	4.9	3.5	..	0	9	0	0	2	4	0	0	0	0
OKHALDHUNGA	17.8	..	22.0	03	6.9	..	3.4	26	5.7	6.9	..	2.1	03	0	..	3.4	2.7	..	2	6	0	1	3	2	0	0	0	0
CHAINPUR	20.3	..	23.0	06	11.1	..	7.5	27	0.0	2.0	..	2.0	27	0	..	..	..	..	0	1	..	..	..	..	..	.	..	.
ANGBUNG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	.	..	..	.	..	.
BARAHAKSHETRA	26.4	..	28.9	04	14.5	..	11.7	26	6.7	6.7	..	6.7	26	1	..	5.7	4.7	..	0	1	0	0	1	0	0	0	0	0
TISTA CATCHMENT																													
GANGTOK	17.4	..	21.4	06	5.9	..	3.0	29	14.3	20.2	..	4.6	25	4	..	4.7	4.3	..	3	9	0	1	4	6	0	0	0	0
GEZING	19.2	..	23.3	06	10.9	..	6.9	29	8.4	52.9	..	12.8	03	6	..	..	..	..	2	11	..	..	..	..	..	.	..	.

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in geom. of current standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Cloud Amount (Oktas) Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 32 or more	20 to 31	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
MAYA BANDAR	0830	28	(R)																								
	1730	28	(R)																								
LONG ISLAND	0830	25	1012.6	1009.8	+0.3	28.7	25.4	23.9	29.7	77	- 4	4.9	+0.1	2.3	0	0	18	01	7	9	0	0	0	1	0	12	0
	1730	25	1010.4	1007.6	+0.5	26.5	24.4	23.5	28.9	84	- 2	4.5	-0.3	0.7	0	0	7	00	6	1	0	0	0	0	0	23	0
PORT BLAIR	0530	79	1011.0	1002.0	..	24.4	23.4	22.9	27.9	92	..	4.2	..	3.5	0	0	10	00	8	2	0	0	0	0	0	20	0
	0830	79	1012.6	1003.7	+0.5	28.8	25.6	24.2	30.2	77	+ 1	4.6	-0.7	7.0	0	2	19	01	17	3	0	0	0	0	0	9	0
	1130	79	1010.8	1002.0	..	29.6	26.1	24.7	31.1	74	..	4.9	..	10.7	0	1	26	02	20	5	0	0	0	0	0	3	0
	1430	79	1008.8	1000.0	..	28.9	25.5	24.0	29.8	75	..	4.9	..	8.2	0	1	23	01	18	5	0	0	0	0	0	6	0
	1730	79	1010.1	1001.2	+0.7	26.4	24.2	23.2	28.4	83	- 2	4.8	-0.9	5.8	0	0	17	00	13	4	0	0	0	0	0	13	0
	2030	79	1012.0	1003.0	..	25.8	24.1	23.3	28.6	86	..	2.9	..	4.8	0	0	15	00	12	3	0	0	0	0	0	15	0
	2330	79	1011.2	1002.2	..	25.3	23.8	23.1	28.3	88	..	3.9	..	7.0	0	3	13	01	9	6	0	0	0	0	0	14	0
CAR NICOBAR	0830	10	1011.8	1010.6	+0.2	28.3	25.2	23.9	29.7	77	- 2	4.9	-0.3	2.3	0	0	26	00	26	0	0	0	0	0	0	4	0
	1730	10	1009.2	1008.0	-0.1	26.8	25.2	24.5	30.7	87	+ 0	4.6	-0.8	1.7	0	0	21	00	21	0	0	0	0	0	0	9	0
NAN COWRY	0830	26	1011.8	1008.9	-0.1	28.0	26.6	26.0	33.6	89	+ 6	5.1	-0.5	0.7	0	0	10	00	1	7	2	0	0	0	0	20	0
	1730	26	1009.2	1006.3	-0.2	26.9	26.0	25.7	33.0	92	+ 5	4.7	-0.4	0.1	0	0	1	00	0	1	0	0	0	0	0	29	0
KONDUL	0830	8	1012.2	1011.3	+0.4	27.5	25.2	24.1	30.0	83	- 1	5.1	-0.2	4.4	0	0	17	00	13	3	1	0	0	0	0	13	0
	1730	8	1009.6	1008.7	+0.2	26.5	24.7	23.9	29.7	86	- 3	4.8	-0.9	2.7	0	0	12	00	4	8	0	0	0	0	0	18	0
NORTH ASSAM (INCLUDING NEFA)																											
PASIGHAT	0830	157	1017.6	999.3	+0.4	18.6	15.0	12.1	14.1	66	+ 0	3.7	+0.4	19.4	0	19	11	00	0	0	1	0	0	0	29	0	0
	1730	157	1013.4	995.3	-0.1	18.7	16.6	15.1	17.1	80	- 3	3.1	+0.1	6.2	0	3	20	02	3	1	1	0	0	1	15	7	0
DIBRUGARH (MOHANBARI)	0230	111	1014.9	1001.7	..	14.1	13.6	13.2	15.2	94	..	3.7	..	1.4	0	0	8	01	2	2	1	1	1	0	0	22	0
	0530	111	1015.7	1002.6	..	13.4	13.0	12.7	14.7	95	..	3.8	..	1.8	0	0	10	01	3	5	0	0	1	0	0	20	0
	0830	111	1017.6	1004.7	+1.0	19.5	16.7	14.7	16.7	75	- 2	3.5	+0.4	5.9	0	0	29	01	15	10	0	2	0	0	1	1	0
	1130	111	1015.1	1002.4	..	24.1	17.8	13.3	15.3	52	..	3.3	..	7.8	0	0	30	08	13	7	0	1	0	0	1	0	0
	1430	111	1012.5	999.9	..	25.0	18.2	13.4	15.4	50	..	3.0	..	5.3	0	0	27	03	13	8	1	2	0	0	0	3	0
	1730	111	1013.4	1000.5	+0.6	19.1	16.8	15.2	17.3	79	- 5	2.8	+0.1	0.3	0	0	3	01	2	0	0	0	0	0	0	27	0
	2030	111	1015.1	1002.0	..	15.9	14.7	13.8	15.8	88	..	2.9	..	0.4	0	0	2	00	2	0	0	0	0	0	0	28	0
	2330	111	1015.1	1002.0	..	14.6	13.9	13.3	15.3	92	..	3.5	..	1.0	0	0	4	01	2	0	1	0	0	0	0	26	0
DIGBOI	0830	152	(R)																								
	1730	152	(R)																								
NORTH LAKHIMPUR	0830	102	1017.4	1005.5	+0.7	20.4	17.0	14.6	16.6	70	- 6	2.5	-0.2	2.7	0	0	22	06	9	1	5	0	1	0	0	8	0
	1130	102	1015.4	1003.7	..	24.2	18.3	14.3	16.3	54	..	2.7	..	4.7	0	0	29	02	15	5	4	3	0	0	0	1	0
	1430	102	1012.8	1001.2	..	25.3	18.7	14.2	16.2	50	..	2.4	..	3.7	0	0	26	00	7	6	7	5	1	0	0	4	0
	1730	102	1013.5	1001.7	+0.8	19.6	17.6	16.3	18.5	81	- 4	1.8	-1.0	1.0	0	0	11	02	0	0	0	1	0	2	6	19	0
	2030	102	1015.0	1003.0	..	16.4	15.5	14.9	16.9	91	..	1.2	..	0.1	0	0	2	00	0	0	1	0	0	0	1	28	0
SIBSAGAR	0830	97	1017.4	1006.2	+1.2	20.6	18.3	16.9	19.3	79	- 8	2.2	-3.2	2.1	0	0	20	06	7	3	3	1	0	0	0	10	0
	1730	97	1012.6	1001.5	+0.5	23.1	19.2	16.7	19.0	67	-17	2.6	-0.6	0.5	0	0	5	02	3	0	0	0	0	0	0	25	0
GOHPUR	0830	83	1016.8	1007.2	..	19.1	17.4	16.3	18.5	83	+ 5	2.2	..	2.3	0	0	20	00	7	0	12	0	1	0	0	10	0
	1730	83	1012.5	1002.9	..	19.5	17.6	16.3	18.5	82	+ 7	1.3	..	2.1	0	0	25	05	10	0	0	0	1	0	9	5	0
MAJBAT	0830		..	..	..	20.6	18.2	16.7	18.0	78	..	1.2	-1.2	0.3	0	0	5	00	3	0	2	0	0	0	0	25	0
	1730		..	..	..	22.4	20.2	18.8	21.7	81	..	1.1	-1.2	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
JORHAT AERODROME	0530	90	1015.2	1004.5	..	14.5	14.4	14.3	16.3	99	..	4.2	..	0.3	0	0	1	00	0	1	0	0	0	0	0	29	0
	0830	90	1017.1	1006.6	..	20.0	18.0	16.7	19.0	81	..	3.2	..	1.6	0	0	6	00	6	0	0	0	0	0	0	24	0
	1130	90	1014.5	1004.3	..	24.9	19.6	16.3	18.5	61	..	2.8	..	10.5	0	2	25	01	21	4	0	0	0	0	1	3	0
	1730	90	1012.7	1002.4	..	20.7	18.3	16.8	19.1	78	..	2.4	..	0.3	0	0	1	00	1	0	0	0	0	0	0	29	0
	2330	90	1014.6	1004.1	..	17.3	16.8	16.5	18.8	94	..	2.4	..	0.3	0	0	1	00	1	0	0	0	0	0	0	29	0
TANGLA	0830	65	1016.3	1007.3	+0.2	22.3	18.4	15.9	18.1	67	- 8	0.5	-1.1	0.5	0	0	8	00	1	6	1	0	0	0	0	22	0
	1730	65	1012.6	1003.8	+0.3	22.6	20.2	18.8	21.7	79	- 1	0.5	-0.7	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
TEZPUR	0830	79	1017.3	1008.1	+0.8	20.0	17.0	14.9	16.9	73	- 6	1.2	-1.7	3.1	0	0	26	01	22	1	2	0	0	0	0	4	0
	1730	79	1013.0	1004.0	+1.1	22.2	18.1	15.3	17.4	65	-14	0.9	-0.6	1.8	0	0	16	01	15	0	0	0	0	0	0	14	0
GOLAGHAT	0830	95	1016.4	1005.3	-0.1	19.6	17.1	15.4	17.5	77	- 4	1.5	-2.9	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	95	1012.5	1001.7	+0.1	25.3	19.4	15.6	17.7	55	-16	2.0	-1.6	..	.	..	..	..	..	..	..	..	..	..	..	..	..
RANGIA	0830	60	1017.7	1010.8	..	22.2	18.6	16.3	18.5	70	- 5	0.7	..	8.1	0	1	28	00	4	21	3	0	0	1	0	1	0
	1730	60	1013.7	1006.8	..	22.3	19.5	17.8	20.4	75	- 1	1.3	..	0.4	0	0	4	00	0	2	0	1	0	1	0	26	0
CHAPARMUKH	0830	66	1017.9	1010.2	+0.7	21.1	18.6	17.1	19.5	78	- 1	1.0	-1.4	3.1	0	0	30	01	5	15	8	0	1	0	0	0	0
	1730	66	1012.9	1005.4	+0.3	23.5	19.9	17.7	20.2	71	- 7	2.6	+1.0	0.8	0	0	9	02	3	0	4	0	0	0	0	18	0
GOALPARA	0830	38	(R)																								
	1730	38	(R)																								
GAUHATI (BHORJOR)	0230	54	1013.7	1007.3	..	15.9	15.6	15.4	17.5	97	..	0.9	..	0.3	0	0	2	00	1	0	0	1	0	0	0	28	0
	0530	54	1014.6	1008.2	..	14.9	14.7	14.5	16.5	99	..	1.3	..	0.1	0	0	1	01	0	0	0	0	0	0	0	29	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYANA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or Ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point				Mean amount	Departure from normal		Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NORTH ASSAM (INCLUDING NEFA) (CONT																											
GAUHATI (BHORJOR) (CONTD.)	0830	54	1016.7	1010.3	+0.3	20.4	18.2	16.8	19.1	80	- 3	1.4	-1.4	2.1	0	0	12	04	3	2	1	1	0	0	1	18	0
	1130	54	1014.4	1008.2	..	24.9	20.0	17.1	19.5	62	..	2.1	..	7.5	0	0	28	12	11	4	0	0	0	1	0	2	0
	1430	54	1011.6	1005.5	..	26.1	19.9	16.0	18.2	53	..	2.6	..	5.6	0	0	24	08	10	6	0	0	0	0	0	6	0
	1730	54	1012.6	1006.3	+0.2	21.4	19.2	17.9	20.5	80	- 5	3.9	+1.4	2.7	0	1	9	01	1	0	3	5	0	0	0	20	0
	2030	54	1014.4	1008.1	..	18.3	17.5	17.0	19.4	92	..	2.5	..	2.4	0	0	9	00	0	2	0	4	3	0	0	21	0
	2330	54	1014.4	1008.0	..	17.1	16.6	16.3	18.5	95	..	2.2	..	1.9	0	0	7	00	3	0	1	3	0	0	0	23	0
DHUBRI (RUPSI)	0530	45	1014.5	1009.2	..	14.8	14.2	13.7	15.7	94	..	0.8	..	4.7	0	0	19	00	18	1	0	0	0	0	0	11	0
	0830	45	1016.1	1010.8	+0.4	20.8	17.9	16.0	18.2	74	- 3	1.0	-0.2	6.3	0	0	29	00	20	7	2	0	0	0	0	1	0
	1130	45	1014.7	1009.5	..	24.9	19.5	16.1	18.3	58	..	1.3	..	7.1	0	0	27	01	10	11	4	0	1	0	0	3	0
	1730	45	1012.1	1006.9	-0.1	21.2	19.2	18.0	20.6	82	- 3	1.3	+0.4	1.5	0	0	5	00	4	0	0	0	0	0	1	25	0
DHUBRI	0830	35	1016.9	1012.7	+1.2	20.8	18.6	17.2	19.6	80	- 1	0.4	-1.9	8.2	0	0	30	01	26	3	0	0	0	0	0	0	0
	1730	35	1012.9	1008.8	+0.9	22.9	19.3	17.1	19.5	70	- 4	1.6	+0.1	4.9	0	1	20	10	6	2	1	0	0	0	2	9	0
LUMDING	0830	149	1017.4	999.9	..	15.8	14.9	14.2	16.2	91	+ 6	1.2	..	0.7	0	0	9	00	0	7	2	0	0	0	0	21	0
	1730	149	1012.8	995.8	..	23.7	19.5	16.9	19.3	66	..	1.7	..	1.5	0	0	14	00	0	8	5	1	0	0	0	16	0
SOUTH ASSAM (INCLUDING NAGALAND)																											
TURA	0830	370	1016.9	974.3	+0.0	18.5	16.1	14.3	16.3	77	- 2	1.9	+0.2	2.8	0	0	28	00	3	17	8	0	0	0	0	2	0
	1730	370	1012.2	970.4	-0.7	22.9	19.1	16.7	19.0	68	- 8	4.8	+1.3	2.4	0	0	22	01	2	6	5	4	2	1	1	7	0
HAFLONG	0830	682	1016.0	938.8	-0.2	18.4	16.1	14.6	16.6	79	+ 0	2.3	-0.6	2.0	0	0	30	00	0	0	0	0	30	0	0	0	0
	1730	682	1011.9	935.7	+0.3	19.6	16.4	14.3	16.3	72	- 5	2.2	-0.2	2.0	0	0	30	00	0	0	0	2	28	0	0	0	0
SILCHAR (KUMBHIRGRAM)	0530	97	1012.9	1001.6	..	15.9	14.8	13.9	15.9	89	..	1.1	..	10.3	0	0	30	00	2	26	0	0	0	1	0	0	1
	0830	97	1014.7	1003.5	-0.1	20.5	17.3	15.1	17.1	72	- 1	1.1	-0.5	10.1	0	0	29	00	2	26	0	0	0	0	0	1	1
	1130	97	1012.3	1001.4	..	25.5	19.3	15.3	17.4	53	..	1.5	..	8.9	0	0	30	00	2	13	7	2	1	0	0	0	5
	1730	97	1010.5	999.4	-0.9	22.9	19.0	16.5	18.8	68	- 5	0.7	-0.4	3.6	0	0	18	06	1	5	0	1	2	2	1	12	0
SILCHAR	0830	29	1016.4	1013.0	+1.2	21.2	18.8	17.3	19.7	78	- 3	1.6	-0.8	0.1	0	0	2	00	0	1	0	1	0	0	0	28	0
	1730	29	1012.1	1008.6	+0.7	24.0	19.9	17.4	19.9	67	- 7	1.2	-0.5	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
IMPHAL (TULIHAL)	0530	781	1018.4	928.1	..	9.9	9.4	8.9	11.4	95	..	3.1	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	0830	781	1018.3	929.8	+0.1	15.3	13.4	11.9	13.9	81	+ 3	4.2	+0.8	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1130	781	1013.8	927.4	..	21.3	16.0	12.3	14.3	56	..	2.2	..	5.1	0	0	17	03	0	3	3	4	2	1	1	13	0
	1430	781	1010.6	925.0	..	23.2	15.9	10.5	12.7	45	..	2.9	..	5.5	0	0	18	01	0	2	3	3	5	3	1	12	0
	1730	781	1013.0	925.5	+1.4	17.6	14.5	12.3	14.3	71	- 3	2.0	-0.2	4.5	0	0	15	01	0	0	2	2	2	1	7	15	0
	2030	781	1016.3	927.5	..	13.9	12.8	11.9	13.9	88	..	2.1	..	0.7	0	0	3	00	1	1	1	0	0	0	0	27	0
	2330	781	1016.9	927.5	..	11.9	11.2	10.6	12.8	91	..	1.9	..	1.3	0	0	4	02	1	0	0	0	0	0	1	26	0
KAILASHAHAR	0530	29	1014.6	1011.2	..	15.1	14.8	14.5	16.5	97	..	0.9	..	0.2	0	0	3	00	0	0	1	0	1	1	0	27	0
	0830	29	1016.5	1013.1	+0.3	21.4	19.2	17.9	20.5	80	+ 0	0.9	-1.0	1.5	0	0	19	01	4	1	3	2	3	1	2	11	2
	1130	29	1014.5	1011.1	..	26.5	20.8	17.5	20.0	58	..	2.4	..	3.4	0	0	26	05	7	4	2	0	3	0	4	4	1
	1730	29	1012.7	1009.4	+0.1	22.9	20.3	18.8	21.7	78	- 2	0.9	-0.6	0.1	0	0	1	00	0	0	0	0	0	0	0	29	1
AGARTALA	0230	16	1012.3	1010.5	..	15.3	14.5	13.9	15.9	91	..	0.1	..	0.5	0	0	2	00	0	0	1	1	0	0	0	28	0
	0530	16	1013.0	1011.2	..	14.3	13.6	13.0	15.0	92	..	1.3	..	0.8	0	0	6	01	0	0	4	1	0	0	0	24	0
	0830	16	1015.0	1013.2	+0.4	23.1	19.3	16.9	19.3	69	- 8	0.9	-1.0	2.9	0	0	16	07	4	1	0	1	2	0	1	14	0
	1130	16	1013.3	1011.5	..	26.9	19.3	14.2	16.2	46	..	2.2	..	7.9	0	0	28	06	4	0	1	0	0	3	14	2	0
	1430	16	1011.0	1009.2	..	27.6	19.2	13.5	15.5	42	..	2.5	..	8.9	0	0	30	07	3	0	0	0	1	5	14	0	0
	1730	16	1011.6	1009.8	+0.4	22.9	18.8	16.1	18.3	65	-10	1.2	-0.8	2.9	0	0	16	08	5	1	0	0	0	0	2	14	0
	2030	16	1013.2	1011.4	..	18.6	16.8	15.6	17.7	83	..	0.2	..	0.4	0	0	3	02	0	0	0	1	0	0	0	27	0
	2390	16	1013.0	1011.2	..	16.5	15.5	14.8	16.8	90	..	0.2	..	0.7	0	0	4	00	0	1	0	3	0	0	0	26	0
SUB-HIMALAYAN WEST BENGAL																											
BAGHDOGRA	0230	131	1024.4	998.9	..	14.5	13.6	12.9	14.9	90	..	1.0	..	0.6	0	0	2	01	1	0	0	0	0	0	0	28	0
	0530	131	1014.9	999.2	..	12.4	11.7	11.1	13.2	91	..	1.8	..	1.0	0	0	5	01	3	0	0	0	0	0	1	25	0
	0830	131	1016.7	1001.5	+1.0	21.4	17.5	14.8	16.9	67	- 4	2.4	+0.7	1.4	0	0	6	02	2	0	0	0	0	2	0	24	0
	1130	131	1015.1	1000.2	..	26.7	20.0	15.8	17.9	52	..	2.2	..	8.9	0	0	27	00	4	8	7	2	3	3	0	3	0
	1430	131	1012.3	997.5	..	27.7	20.8	16.7	19.0	52	..	3.1	..	7.9	0	0	28	02	5	2	2	4	9	3	1	2	0
	1730	131	1012.9	997.7	+0.6	21.1	18.2	16.3	18.5	75	- 9	2.5	+0.2	2.5	0	0	11	01	4	0	0	0	3	1	1	19	1
	2030	131	1014.9	999.5	..	18.7	17.0	15.9	18.1	83	..	1.4	..	1.9	0	0	8	01	3	0	2	0	0	1	1	22	0
	2330	131	1015.0	999.5	..	16.1	15.1	14.4	16.4	89	..	1.1	..	1.6	0	0	7	01	4	0	0	0	0	0	1	23	1
JALPAIGURI	0830	83	1016.8	1007.1	+1.2	18.7	16.2	14.4	16.4	77	- 5	1.1	-0.3	3.1	0	0	27	20	6	0	0	0	0	0	1	3	0
	1730	83	1012.4	1003.0	+0.8	23.5	18.9	15.9	18.1	62	- 4	1.6	+0.0	1.8	0	0	10	02	1	0	1	1	2	1	2	20	0
COOCH BEHAR AERODROME	0830	43	1017.0	1012.0	+1.6	20.5	16.9	14.3	16.3	69	- 4	1.4	+0.5	7.3	0	0	27	00	12	15	0	0	0	0	0	3	0
	1130	43	1015.2	1010.3	..	25.3	18.9	14.7	16.7	52	..	1.6	..	8.4	0	1	27	00	11	14	1	1	0	1	0	2	0
	1730	43	1012.9	1008.0	+1.1	21.4	18.2	16.1	18.3	72	- 4	2.1	+0.7	0.4	0	0	2	00	0	2	0	0	0	0	0	28	0
BALURGHAT	0830		..	..	..	22.8	18.7	16.1	18.3	66	..	0.3	..	1.0	0	0	12	08	2	1	0	1	0	0	0	18	0
	1730			..	..	24.1	19.9	17.3	19.7	66	..	0.7	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYNA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SUB-HIMALAYAN WEST BENGAL																											
MALDA	0830	31	1016.6	1012.9	+1.2	22.0	17.9	15.1	17.1	66	4	0.4	-1.0	0.6	0	0	9	04	4	1	0	0	0	0	0	21	0
	1730	31	1012.6	1008.9	+0.8	23.9	18.9	15.7	17.8	61	4	0.8	-0.6	0.1	0	0	2	01	0	0	0	0	0	0	1	28	0
GANGETIC WEST BENGAL																											
BERHAMPORE	0830	19	1016.3	1014.1	+1.3	22.5	18.2	15.3	17.4	66	- 6	0.1	-1.5	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730	19	1012.5	1010.3	+1.1	23.3	19.1	16.5	18.8	64	+ 1	0.0	-1.6	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
SURI	0830		..	..	..	22.7	17.6	14.0	16.0	60	- 4	0.6	-0.6	2.4	0	0	30	16	1	7	0	2	0	4	0	0	0
ASANSOL	0230	126	1014.1	999.2	..	14.5	13.4	12.5	14.5	87	..	0.2	..	0.4	0	0	3	00	0	1	0	0	0	0	2	27	0
	0530	126	1014.8	999.9	..	14.2	13.2	12.4	14.4	89	..	1.4	..	1.1	0	1	4	00	0	0	0	0	0	4	1	25	0
	0830	126	1016.6	1002.0	+1.3	21.3	17.0	13.9	15.9	63	- 6	0.6	-1.1	2.4	0	0	19	03	1	2	0	0	3	7	3	11	0
	1130	126	1014.7	1000.4	..	28.2	19.2	13.0	15.0	39	..	0.6	..	3.5	0	0	26	02	2	3	3	3	3	2	8	4	0
	1430	126	1012.1	997.9	..	28.9	19.3	12.6	14.6	36	..	1.4	..	4.5	0	0	25	03	3	2	1	1	0	2	13	5	0
	1730	126	1012.7	998.2	+1.1	22.8	18.3	15.3	17.4	63	+10	1.1	-0.9	0.7	0	0	6	03	0	0	1	0	0	1	1	24	0
	2030	126	1014.6	999.8	..	17.3	15.5	14.1	16.1	82	..	0.3	..	0.2	0	0	2	00	1	0	0	0	0	1	0	28	0
	2330	126	1014.8	999.9	..	15.7	14.1	12.8	14.9	83	..	0.2	..	0.4	0	0	2	00	0	1	0	0	0	0	1	28	0
SHANTI NIKETAN	0830	59	1016.4	1009.6	..	21.3	18.0	15.8	17.9	71	..	0.8	..	2.3	0	0	16	07	4	2	0	0	0	1	2	14	0
	1130	59	1015.0	1008.3	..	26.8	19.9	15.5	17.6	51	..	0.9	..	2.0	0	0	17	04	5	0	2	2	0	2	2	13	0
	1730	59	1012.7	1005.9	..	22.6	19.1	16.9	19.3	70	..	1.1	..	1.2	0	0	13	03	7	1	0	0	0	0	2	17	0
KRISHNANAGAR	0830	15	1016.2	1014.5	+1.0	22.8	18.1	14.9	16.9	62	-10	0.3	-1.4	0.0	0	0	0	..	..	..	..	..	..	..	..	..	..
	1730	15	1013.2	1011.5	+1.0	24.4	18.5	14.5	16.5	54	-13	0.3	-1.7	0.0	0	0	0	..	..	..	..	..	..	..	..	..	..
PURULIA	0830	255	1016.9	987.5	+0.5	20.1	15.7	12.3	14.3	61	- 1	1.5	+0.2	2.6	0	0	26	06	2	0	0	0	2	8	8	4	0
	1730	255	1012.7	983.9	+0.4	24.7	18.1	13.5	15.5	50	- 5	1.8	+0.3	1.1	0	0	12	08	3	0	0	0	0	0	1	18	0
BANKURA	0830	100	1016.2	1004.6	..	20.5	16.2	12.9	14.9	61	..	0.4	..	1.0	0	0	14	02	0	0	0	0	0	10	2	16	0
	1730	100	1012.4	1001.0	..	25.9	17.8	11.8	13.9	43	..	0.1	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
BURDWAN	0830	32	1016.4	1012.7	+1.3	23.2	19.1	16.5	20.0	66	- 6	0.3	-1.3	1.7	0	0	22	04	2	5	1	0	0	4	6	8	0
	1730	32	1012.2	1008.5	+0.7	26.4	20.9	17.7	20.2	58	- 8	0.1	-1.5	1.6	0	0	20	07	4	1	1	2	0	3	2	10	0
CALCUTTA (DUM DUM)	0230	6	1012.9	1012.2	..	17.3	16.4	15.8	17.9	91	..	0.4	..	0.3	0	0	4	01	1	0	1	0	0	1	0	26	0
	0530	6	1013.7	1013.0	..	16.5	15.8	15.3	17.4	93	..	1.1	..	0.3	0	0	3	00	2	0	0	0	0	0	1	27	0
	0830	6	1015.8	1015.1	+0.9	22.5	18.4	15.7	17.8	65	- 7	0.9	-1.0	2.5	0	0	19	05	8	1	0	0	0	0	5	11	0
	1130	6	1014.3	1013.6	..	27.4	19.5	14.3	16.3	45	..	1.0	..	3.8	0	0	24	06	5	2	1	0	0	3	7	6	0
	1430	6	1011.6	1010.9	..	28.2	19.6	13.8	15.8	41	..	1.6	..	3.9	0	0	29	07	4	0	1	0	2	0	15	1	0
	1730	6	1012.1	1011.4	+0.5	24.8	20.0	17.1	19.5	62	- 6	1.1	-1.2	0.1	0	0	2	00	2	0	0	0	0	0	0	28	0
	2030	6	1013.8	1013.1	..	20.2	18.2	16.9	19.3	82	..	0.1	..	0.2	0	0	2	01	0	0	1	0	0	0	0	28	0
	2330	6	1013.6	1012.9	..	18.4	17.1	16.2	18.4	88	..	0.4	..	0.1	0	0	1	00	0	1	0	0	0	0	0	29	0
CALCUTTA	0830	6	1015.9	1015.2	+1.0	24.6	19.1	15.5	17.6	58	-16	0.9	-0.9	1.9	0	0	15	01	3	3	1	0	0	0	7	15	0
	1130	6	1044.2	1013.5	..	28.3	19.7	13.9	15.9	41	..	1.5	..	4.7	0	0	26	03	1	2	2	0	1	5	12	4	0
	1730	6	1012.3	1011.6	+0.7	24.6	19.1	15.5	17.6	57	-10	0.9	-1.2	1.8	0	0	16	02	0	0	1	1	1	1	10	14	0
MIDNAPURE	0830	45	1016.2	1010.9	+1.0	23.0	17.9	14.4	16.4	59	- 8	0.4	-1.4	0.9	0	0	12	05	4	0	1	1	0	0	1	18	0
	1730	45	1012.0	1006.9	+0.7	25.8	18.7	13.8	15.9	48	-10	0.4	-1.7	0.4	0	0	6	01	5	0	0	0	0	0	0	24	0
CONTAI	0830	11	1016.0	1014.7	+0.9	22.8	19.2	17.0	19.4	70	- 2	0.4	-1.1	2.9	0	0	25	18	1	1	0	0	0	2	3	5	0
	1730	11	1012.4	1011.2	+0.6	25.2	20.4	17.5	20.0	63	- 4	0.7	-0.8	1.4	0	0	13	00	0	0	2	7	4	0	0	17	0
SAGAR ISLAND	0830	3	1015.3	1014.9	+0.9	24.0	20.8	19.0	22.0	74	+ 3	1.5	-1.2	8.9	0	0	30	13	5	1	0	0	0	1	10	0	0
	1730	3	1012.0	1011.7	+1.0	24.7	20.6	18.3	21.0	68	- 1	1.8	-1.2	6.8	0	0	29	05	1	0	2	6	5	4	6	1	0
SANDHEADS	0530	10	1013.4	1012.3	..	25.1	20.1	17.1	19.5	62	..	1.5	..	8.7	0	0	27	11	5	0	1	1	2	4	3	3	0
	0830	10	1015.7	1014.7	+1.3	27.1	21.3	18.0	20.6	57	- 7	1.4	-0.9	7.9	0	0	27	18	4	1	1	0	1	1	1	3	0
	1130	10	1014.7	1013.6	..	28.1	21.5	17.7	20.2	53	..	1.0	..	7.4	0	0	30	22	4	0	0	0	1	0	2	0	0
	1730	10	1012.7	1011.6	+1.1	26.1	20.3	16.8	19.1	57	- 7	0.9	-1.6	5.1	0	0	19	07	2	0	2	2	2	1	3	11	0
	2330	10	1013.9	1012.8	..	25.5	20.2	17.0	19.4	60	..	0.0	..	7.1	0	0	30	20	6	1	0	2	1	0	0	0	0
ORISSA																											
BARIPADA	0830	54	1016.9	1010.4	+0.5	20.9	16.8	13.8	15.9	64	- 1	0.9	-1.0	1.7	0	0	22	11	10	0	0	0	0	0	0	8	1
	1730	54	1013.1	1006.9	+0.4	24.3	18.2	13.9	15.9	53	-11	0.2	-1.3	0.3	0	0	2	00	0	0	1	1	0	0	0	28	0
JHARSUGUDA	0230	230	1013.9	987.0	..	16.2	14.6	13.4	15.4	84	..	0.3	..	1.9	0	0	13	03	6	3	0	0	0	0	1	17	0
	0530	230	1014.6	987.6	..	15.2	13.8	12.7	14.7	85	..	1.5	..	3.2	0	0	22	02	15	1	3	1	0	0	0	8	0
	0830	230	1016.4	989.9	+0.6	20.8	16.1	12.5	14.5	58	- 6	1.2	-0.6	6.6	0	0	27	04	20	2	0	1	0	0	0	3	0
	1130	230	1014.6	988.7	..	27.7	18.2	11.1	13.2	36	..	1.1	..	5.6	0	0	27	04	9	4	2	3	1	3	1	3	0
	1430	230	1011.5	985.9	..	29.7	18.4	9.7	12.0	29	..	1.4	..	8.3	0	0	30	08	8	1	0	0	6	4	3	0	0
	1730	230	1012.0	986.0	+0.1	25.5	17.9	12.3	14.3	44	- 9	1.6	-0.5	1.7	0	0	15	01	2	1	1	2	5	1	2	15	0
	2030	230	1014.2	987.7	..	21.4	16.5	12.8	14.8	58	..	1.0	..	2.3	0	0	16	01	0	1	3	7	2	1	1	14	0
	2330	230	1014.4	987.7	..	18.3	15.6	13.5	15.5	74	..	0.4	..	1.7	0	0	13	01	4	6	2	0	0	0	0	17	0
KEONJHARGARH	0830	463	1018.0	965.3	+0.9	19.3	14.6	11.1	13.2	58	- 5	0.7	-0.9	0.1	0	0	2	00	0	1	0	0	0	1	0	28	0
	1730	463	1012.1	960.7	-0.4	25.0	17.1	11.7	13.7	45	-10	1.2	-0.8	0.9	0	0	14	00	0	2	0	2	0	10	0	16	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER,1967. (KARTIKA 10 - AGRAHAYANA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or at 1.5 gpm. of nearest standard isobaric level	Mean pressure in mbs.: At station level	Mean pressure in mbs.: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind speed (Km. p. h.): 62 or more	20 to 61	1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORRISA(CONTD)																											
BALASORE	0830	20	1016.3	1014.0	+1.4	22.5	18.4	15.7	17.8	66	-3	0.8	-1.9	6.8	0	0	29	25	1	0	0	1	2	0	0	1	0
	1730	20	1012.6	1010.3	+1.0	23.8	20.2	18.1	20.8	70	+2	1.2	-2.0	1.8	0	0	10	00	0	0	2	6	1	1	0	20	0
SAMBALPUR	0830	148	1015.7	998.6	+0.8	21.6	17.4	14.5	16.5	64	-10	0.5	-1.7	0.3	0	0	3	00	2	0	1	0	0	0	0	27	0
	1730	148	1013.5	996.5	+1.6	23.4	18.0	14.3	16.3	56	+1	0.6	-2.0	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
ANGUL	0830	139	1016.7	1000.7	+1.3	22.0	18.0	15.3	17.4	67	-8	1.0	-1.4	2.2	0	0	28	02	1	1	0	2	0	22	0	2	0
	1730	139	1012.8	997.0	+1.2	26.3	18.8	13.7	15.7	46	-7	1.7	-1.6	1.8	0	0	25	03	0	2	0	11	0	9	0	5	0
CHANDBALI	0830	6	1016.0	1015.3	+1.1	23.0	19.4	17.2	19.6	71	-6	0.4	-1.9	2.7	0	0	27	13	0	3	0	1	1	2	7	3	0
	1730	6	1012.1	1011.4	+0.4	25.8	20.3	17.0	19.4	60	-7	1.8	-0.6	3.9	0	0	27	01	6	8	11	1	0	0	0	3	0
BOLANGIR	0830	190	1016.4	994.5	+0.3	23.9	19.7	17.1	19.5	66	-1	1.0	-1.2	0.8	0	0	6	03	0	0	0	2	1	0	0	24	0
	1730	190	1012.0	990.5	-0.5	27.4	21.5	18.1	20.8	57	+7	1.4	-0.7	0.5	0	0	5	01	2	0	0	1	1	0	0	25	0
PHULBANI	0830	489	1015.6	962.6	..	18.9	15.9	13.9	15.9	73	..	0.4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	489	1011.7	960.1	..	24.4	19.3	16.4	18.6	61	..	0.4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
CUTTACK	0830	27	1016.5	1013.4	+1.5	22.7	19.2	17.1	19.5	70	-4	0.4	-1.9	1.7	0	0	17	04	0	2	0	1	0	5	5	13	0
	1730	27	1012.6	1009.6	+1.1	29.2	21.4	16.8	19.1	47	-12	0.9	-1.8	1.3	0	0	8	00	0	5	1	1	1	0	0	22	0
TITLAGARH	0830	211	1016.1	991.9	+0.6	22.1	17.6	14.5	16.5	62	-11	3.1	+1.1	1.7	0	0	26	00	11	0	8	0	5	0	2	4	0
	1730	211	1012.1	988.4	+0.9	27.5	19.7	14.6	16.6	46	-8	2.4	+0.5	1.7	0	0	26	00	25	0	1	0	0	0	0	4	0
BHUBANESWAR	0230	46	1013.4	1008.1	..	19.2	17.7	16.7	19.0	85	..	0.2	..	2.9	0	0	17	03	1	0	0	1	2	6	4	13	0
	0530	46	1014.0	1008.7	..	18.3	17.1	16.3	18.5	88	..	0.9	..	3.4	0	0	20	08	2	0	0	0	1	2	7	10	0
	0830	46	1016.2	1011.0	+1.2	24.0	19.4	16.5	18.8	63	-5	1.1	-1.2	4.1	0	0	22	09	4	1	0	0	0	4	4	8	0
	1130	46	1014.6	1009.5	..	28.8	19.8	13.8	15.8	40	..	1.9	..	6.6	0	0	27	05	7	3	0	1	8	2	1	3	0
	1430	46	1011.9	1006.8	..	29.9	19.3	11.7	13.7	33	..	2.5	..	8.8	0	2	26	08	9	3	1	1	3	0	3	2	0
	1730	46	1012.5	1007.3	+0.7	25.9	19.6	15.5	17.6	52	-9	2.2	-0.5	7.3	0	0	27	02	2	10	1	9	2	0	1	3	0
	2030	46	1014.3	1009.1	..	23.0	19.6	17.5	20.0	71	..	0.8	..	4.3	0	0	21	02	0	2	2	9	4	1	1	9	0
	2330	46	1014.2	1008.9	..	21.0	18.9	17.6	20.1	81	..	0.1	..	3.3	0	0	18	01	0	1	0	0	13	2	1	12	0
PURI	0830	6	1015.8	1015.1	+1.0	25.0	20.9	18.5	21.3	68	-3	2.1	-0.4	6.3	0	0	29	17	0	0	0	0	2	0	0	1	10
	1730	6	1012.3	1011.6	+0.6	25.6	21.1	18.5	21.3	65	+1	2.7	-0.7	8.5	0	0	25	10	0	2	2	1	0	0	0	5	10
GOPALPUR	0530	17	1013.9	1011.9	..	19.2	17.8	16.9	19.3	86	..	1.6	..	9.4	0	0	29	13	0	0	0	0	0	0	16	1	0
	0830	17	1016.1	1014.1	+1.4	22.7	19.7	17.9	20.5	75	+1	1.4	-1.5	10.4	0	1	28	22	1	0	0	0	0	0	6	1	0
	1130	17	1015.1	1013.1	..	28.5	22.3	18.9	21.8	57	..	2.0	..	10.3	0	1	29	06	1	2	9	10	0	0	2	0	0
	1730	17	1012.7	1010.7	+1.2	26.6	21.9	19.3	22.4	65	+0	2.5	-0.8	12.7	0	1	29	00	0	3	21	6	0	0	0	0	0
	2330	17	1014.3	1012.3	..	21.9	20.0	18.9	21.8	83	..	1.1	..	7.2	0	1	24	05	0	0	0	0	5	6	9	5	0
KORAPUT	0830	913	1543.2	915.0	+1.3	19.5	15.2	12.1	14.1	62	-11	6.8	+4.8	5.0	0	0	30	04	0	5	20	0	0	1	0	0	0
	1730	913	1520.3	912.0	+0.6	21.9	15.2	10.1	12.3	47	-12	5.9	+3.4	10.8	0	0	30	27	0	0	0	0	0	0	3	0	0
BIHAR PLATEAU																											
DUNKA	0830	149	1016.3	999.2	+1.0	21.6	17.0	13.7	15.7	61	-5	0.4	-0.6	0.6	0	0	4	00	2	1	0	0	1	0	0	26	0
	1730	149	1012.5	995.6	+1.0	25.0	18.7	14.4	16.4	52	-4	0.0	-1.3	0.1	0	0	1	00	0	0	1	0	0	0	0	29	0
DALTONGANJ	0830	221	1016.7	991.1	+0.5	20.1	15.7	12.3	14.3	62	-9	1.4	+0.0	0.1	0	0	1	00	0	0	1	0	0	0	0	29	0
	1730	221	1012.1	987.1	+0.2	24.9	17.5	11.9	13.9	46	-6	1.2	-0.5	0.8	0	0	10	03	0	0	0	0	1	0	6	20	0
HAZARIBAGH	0830	611	1016.0	947.1	+0.7	19.9	14.2	9.7	12.0	53	-4	0.4	-1.1	1.9	0	0	15	01	0	0	0	5	4	1	4	15	0
	1730	611	1012.8	944.3	+0.5	20.9	14.1	8.5	11.1	45	-10	1.2	-0.5	4.2	0	0	28	18	0	0	0	0	0	0	10	2	0
DHANBAD	0830	257	1015.9	986.4	+0.6	22.3	16.3	11.7	13.7	52	-6	0.1	+1.4	1.1	0	0	15	00	3	0	0	0	1	8	3	15	0
	1730	257	1012.1	983.0	..	23.8	16.9	11.6	13.7	47	..	0.1	..	1.2	0	0	18	00	1	0	0	0	0	3	14	12	0
RANCHI	0830	655	1016.2	942.6	+1.2	19.2	13.9	9.7	12.0	52	-5	0.5	-0.9	1.5	0	0	23	06	0	3	0	8	1	5	0	7	0
	1730	655	1012.4	939.7	+0.7	22.6	15.2	9.5	11.9	44	-11	0.2	-1.4	1.1	0	0	16	12	0	0	0	0	0	4	0	14	0
RANCHI AERODROME	0530	652	1015.4	940.7	..	14.3	11.0	8.0	10.0	67	..	0.8	..	2.9	0	0	14	03	1	0	0	1	0	2	7	16	0
	0830	652	1015.7	942.6	+0.0	20.4	13.9	8.6	11.2	47	-7	0.8	-0.7	4.6	0	0	17	05	1	0	2	1	0	2	6	13	0
	1130	652	1013.5	941.4	..	24.1	14.5	6.3	9.5	32	..	1.2	..	13.5	0	4	23	10	2	0	1	1	2	4	7	3	0
	1430	652	1010.8	939.1	..	24.9	14.6	5.7	17.8	29	..	1.7	..	15.1	0	4	24	12	0	0	0	0	0	2	14	2	0
	1730	652	1012.0	939.6	-0.2	22.1	14.0	7.1	9.4	38	-10	1.2	-0.7	7.3	0	0	26	13	0	3	0	1	0	0	9	4	0
	2030	652	1014.8	941.2	..	18.2	12.8	8.2	10.9	52	..	0.3	..	5.9	0	0	21	04	0	0	0	1	0	1	15	9	0
JAMSHEDPUR	0830	129	1016.7	1001.6	+0.8	18.7	15.6	13.3	15.3	71	-2	0.8	-1.1	1.5	0	0	20	02	0	0	0	0	0	9	9	10	0
	1730	129	1012.4	997.7	+0.5	24.6	19.2	15.7	17.8	58	+1	1.0	-0.6	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
JAMSHEDPUR P.B.O.	0530	142	1014.9	998.1	..	14.3	13.4	12.7	14.7	89	..	1.0	..	0.1	0	0	1	00	0	0	0	0	0	1	0	29	0
	0830	142	1016.8	1000.3	+0.7	19.2	15.6	12.8	14.9	67	-3	1.0	-0.6	8.2	0	0	22	00	0	0	0	0	3	9	10	8	0
	1130	142	1014.7	998.6	..	26.3	18.0	11.9	13.9	41	..	0.9	..	3.9	0	0	25	01	3	0	1	5	2	6	7	5	0
	1430	142	1011.8	995.8	..	28.2	17.7	9.3	11.7	31	..	1.4	..	7.3	0	0	29	05	1	0	0	1	0	2	20	1	0
	1730	142	1012.2	996.1	+0.4	25.0	17.7	12.3	14.3	46	-6	1.3	-0.6	1.3	0	0	9	07	0	1	0	0	1	0	0	21	0
	2030	142	1014.4	997.9	..	19.4	16.5	14.4	16.4	73	..	0.5	..	9.0	0	0	7	02	0	1	0	0	0	0	4	23	0
	2330	142	1014.6	998.0	..	17.3	15.2	13.6	15.6	79	..	6.3	..	0.8	0	0	6	01	0	0	0	1	0	2	2	24	0
CHAIBASA	0830	226	1016.5	990.4	+1.0	20.4	16.0	12.6	14.6	60	-11	1.4	-0.8	0.8	0	0	10	00	2	0	1	0	7	0	0	20	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYNA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gms. of normal standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 32 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BIHAR PLATEAU(CONTD.)																											
CHAIBASA	1730	226	1012.2	986.5	+0.7	24.8	17.7	12.5	14.5	46	-10	2.4	-0.2	0.4	0	0	3	00	0	0	0	0	2	0	1	27	0
BIHAR PLAINS																											
MOTIHARI	0830	66	1016.6	1008.8	+1.2	19.5	17.2	15.7	17.8	79	+ 3	1.2	+0.5	1.3	0	0	13	00	1	10	1	0	1	0	0	16	0
	1730	66	1012.7	1005.1	+1.0	22.4	18.7	16.3	18.5	69	- 3	0.0	-0.6	0.0	0	0	0	00	0	0	0	0	0	0	0	29	0
FORBESGANJ	0830	61	1016.5	1009.4	+0.9	19.7	17.0	15.1	17.1	76	+ 0	1.3	+0.4	1.5	0	0	21	00	4	11	2	0	0	2	2	9	0
	1730	61	1012.6	1005.6	+0.9	22.5	18.8	16.5	18.8	69	+ 3	1.0	+0.0	0.1	0	0	1	00	0	0	0	0	0	0	1	29	0
DARBHANGA	0830	49	1016.4	1010.8	+1.0	22.3	18.2	15.5	17.6	66	-11	1.2	+0.3	0.8	0	0	11	00	3	4	2	1	1	0	0	19	0
	1730	49	1012.3	1006.5	+0.3	25.0	20.3	17.5	20.0	64	+ 0	0.2	-0.5	0.1	0	0	1	00	0	0	0	0	0	1	0	29	0
MUZAFFARPUR	0830		..	..	..	20.5	17.4	15.3	17.4	72	..	0.9	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730		..	..	..	22.0	18.1	15.5	17.6	67	..	0.2	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
CHAPRA	0830	58	1015.9	1009.2	..	20.5	16.5	13.5	15.5	65	..	0.9	..	1.5	0	0	21	00	2	1	2	0	15	0	1	9	0
	1730	58	1013.0	1006.5	..	25.3	19.2	15.3	17.4	53	..	0.0	..	0.4	0	0	7	00	1	0	0	0	4	1	1	23	0
PURNEA	0830	38	1016.8	1012.3	+1.2	20.7	17.4	15.1	17.1	70	- 7	1.1	+0.0	1.2	0	0	16	00	5	5	1	1	1	2	1	14	0
	1730	38	1012.8	1008.4	+1.1	22.3	19.6	17.5	20.0	75	+ 2	0.7	-0.1	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
PATNA	0830	53	1016.0	1009.9	+0.4	20.3	16.7	14.1	16.1	68	+ 6	1.2	+0.1	2.8	0	0	23	00	2	1	2	6	10	2	0	7	0
	1730	53	1012.6	1006.6	+0.6	24.4	18.1	13.7	15.7	51	- 1	0.6	-0.4	0.9	0	0	8	01	2	0	0	0	0	4	1	22	0
PATNA AERODROME	0230	60	1013.2	1006.2	..	15.2	14.0	12.9	14.9	86	..	1.1	..	0.1	0	0	1	00	0	0	0	0	0	0	1	29	0
	0530	60	1013.6	1006.6	..	14.5	13.3	12.3	14.3	88	..	1.1	..	1.3	0	0	9	01	1	0	1	4	1	0	1	21	0
	0830	60	1015.7	1008.8	+0.1	20.7	16.6	13.6	15.6	64	- 3	1.5	+0.6	3.7	0	0	25	00	1	2	1	4	12	4	1	5	0
	1130	60	1014.6	1007.9	..	26.8	18.0	11.4	13.5	39	..	1.7	..	5.3	0	0	30	02	2	2	4	4	8	4	4	0	0
	1430	60	1012.0	1005.3	..	28.1	17.5	8.9	11.4	30	..	1.8	..	6.9	0	1	29	03	5	1	0	1	6	5	9	0	0
	1730	60	1012.1	1005.2	+0.4	23.6	17.7	13.5	15.5	53	- 3	1.1	+0.1	1.0	0	0	9	00	2	1	0	1	1	2	2	21	0
	2030	60	1013.9	1007.0	..	18.9	15.9	13.7	15.7	72	..	0.5	..	0.3	0	0	3	00	0	1	0	0	1	1	0	27	0
	2330	60	1014.0	1007.0	..	16.7	14.8	13.3	15.3	81	..	0.9	..	0.9	0	0	6	00	0	1	0	1	1	2	1	24	0
BHAGALPUR	0530	49	1014.2	1008.5	..	16.2	14.9	13.9	15.9	86	..	2.2	..	1.3	0	0	19	00	0	1	7	9	2	0	0	11	0
	0830	49	1016.5	1010.7	+0.4	20.2	17.1	14.9	16.9	73	+ 5	2.2	+1.3	2.6	0	0	28	01	6	1	4	5	3	4	4	2	0
	1130	49	1015.3	1009.7	..	24.7	18.5	14.3	16.3	52	..	1.4	..	2.3	0	0	30	01	6	4	2	3	0	10	4	0	0
	1730	49	1012.5	1006.9	+0.3	23.6	18.3	14.7	16.7	58	- 6	2.6	+1.5	1.6	0	0	24	02	5	1	0	2	3	5	6	6	0
	2330	49	1014.5	1008.8	..	18.8	16.4	14.7	16.7	78	..	0.8	..	1.9	0	0	28	02	1	3	7	11	1	3	0	2	0
SABAUR	0830	37	1016.5	1012.1	+1.0	19.5	16.8	14.9	16.9	75	+ 2	1.3	-0.2	1.8	0	0	20	01	1	2	2	4	4	4	2	10	0
	1730	37	1012.7	1008.4	+0.8	22.8	19.2	17.0	19.4	69	- 2	1.0	-0.4	0.3	0	0	5	03	0	1	0	0	0	0	1	25	0
JAMUI	0830	82	(R)																								
	1730	82	(R)																								
DEHRI	0830	107	1016.0	1003.5	+0.1	20.7	16.8	14.0	16.0	65	+ 1	0.8	-0.2	2.7	0	0	30	01	0	0	5	13	8	2	1	0	0
	1730	107	1011.7	999.6	-0.1	26.3	18.9	13.9	15.9	47	- 5	0.7	-0.1	2.2	0	0	27	07	3	1	0	0	0	12	4	3	0
GAYA	0230	116	1014.6	1000.9	..	15.2	14.2	13.4	15.4	89	..	0.8	..	4.2	0	0	25	01	0	5	17	1	0	1	0	5	0
	0530	116	1015.0	1001.2	..	13.6	12.9	12.3	14.3	92	..	0.7	..	4.3	0	0	28	00	0	6	15	7	0	0	0	2	0
	0830	116	1016.6	1003.1	+0.8	19.5	16.2	13.7	15.7	70	+ 4	1.1	+0.0	5.5	0	0	27	00	0	3	10	13	1	0	0	3	0
	1130	116	1015.5	1002.3	..	26.9	19.2	14.0	16.0	45	..	1.0	..	5.9	0	0	28	01	5	4	2	4	5	3	3	2	1
	1430	116	1012.7	999.5	..	27.9	18.9	12.5	14.5	39	..	1.2	..	9.2	0	0	29	04	2	0	0	0	2	10	11	1	0
	1730	116	1012.9	999.7	+1.1	24.5	18.0	13.4	15.4	51	+ 4	0.8	-0.5	4.4	0	0	26	12	1	0	0	0	1	3	9	4	0
	2030	116	1014.8	1001.3	..	19.7	16.5	14.2	16.2	70	..	0.1	..	2.5	0	0	16	05	4	2	3	2	0	0	0	14	0
	2330	116	1015.1	1001.5	..	16.7	15.0	13.7	15.7	82	..	0.9	..	4.7	0	0	27	00	1	9	10	7	0	0	0	3	0
UTTAR PRADESH EAST																											
KHERI	0830	147	(R)																								
	1730	147	(R)																								
BAHRAICH	0830	124	1016.4	1001.9	+1.2	18.5	15.3	13.0	15.0	69	- 3	1.5	+0.9	2.1	0	0	17	01	2	1	6	0	1	1	5	13	0
	1730	124	1012.8	998.3	+0.4	23.6	16.9	11.5	13.6	48	- 3	2.1	+1.4	0.9	0	0	7	00	0	0	0	0	2	1	4	23	0
NAUTANWA	0830	99	1016.2	1004.6	-0.2	18.7	16.1	14.2	16.2	75	- 9	0.4	+0.1	0.8	0	0	12	00	1	6	3	0	1	0	1	18	0
	1730	99	1012.7	1001.3	-0.1	22.5	17.2	13.3	15.3	56	- 5	0.6	+0.3	0.1	0	0	1	00	0	1	0	0	0	0	0	29	0
HARDOI	0830	142	1015.9	999.2	+0.2	18.4	15.6	13.5	15.5	74	+ 0	0.8	+0.4	1.4	0	0	13	02	0	0	0	0	0	10	1	17	0
	1730	142	1012.4	996.1	-0.1	24.1	17.6	13.1	15.1	51	- 2	0.5	-0.1	0.9	0	0	17	02	0	3	1	0	0	10	1	13	0
GONDA	0830	110	1016.4	1003.8	+0.9	20.9	16.1	12.6	14.6	61	-1	1.9	+1.3	1.3	0	0	16	02	0	5	0	0	1	5	3	14	0
	1730	110	1012.5	1000.3	+0.2	23.5	17.4	12.9	14.9	52	- 7	1.7	+1.0	0.1	0	0	2	00	0	0	0	0	0	1	1	28	0
LUCKNOW	0830	111	1016.9	1003.9	+1.2	17.4	15.2	13.4	15.4	78	+ 7	1.1	+0.5	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730	111	1012.6	999.9	+0.4	24.9	19.6	15.5	17.6	58	+ 3	1.3	+0.7	0.1	0	0	1	00	0	0	0	0	0	1	0	29	0
LUCKNOW(AMAUSI)	0230	128	1014.0	998.9	..	13.3	12.3	11.2	13.3	86	..	1.1	..	4.1	0	0	20	04	6	1	0	2	1	4	2	10	0
	0530	128	1014.1	999.0	..	12.8	11.8	10.8	12.9	88	..	1.0	..	3.1	0	0	20	02	3	2	0	2	0	7	4	10	0
	0830	128	1016.0	1001.0	-0.3	18.2	14.4	11.9	13.9	67	+ 1	1.7	+1.2	4.0	0	0	20	01	2	2	3	1	2	3	6	10	0
	1130	128	1015.3	1000.7	..	26.9	16.7	8.9	11.4	35	..	1.6	..	9.0	0	0	30	02	2	2	3	3	2	8	8	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in ppm. of normal standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																											
LUCKNOW (AMAUSI)	1430	128	1012.7	998.2	..	27.4	16.9	8.0	10.7	31	..	1.7	..	0.5	0	3	27	04	2	2	0	0	1	6	15	0	0
	1730	128	1012.7	998.1	-0.1	22.9	16.8	12.2	14.2	52	2	1.4	+0.8	4.3	0	0	25	05	3	0	0	0	0	4	13	5	0
	2030	128	1014.5	999.5	..	17.3	14.4	12.1	14.1	72	..	1.0	..	4.1	0	0	25	06	5	3	0	0	3	6	2	5	0
	2330	128	1014.7	999.6	..	15.1	13.3	11.8	13.8	78	..	1.3	..	3.3	0	0	19	02	4	2	0	0	3	5	3	11	0
FAIZABAD	0830	102	1016.1	1004.2	+0.0	19.2	16.0	13.6	15.6	71	- 6	1.3	+0.1	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	102	1012.9	1001.2	+0.2	22.0	17.8	14.8	16.8	64	- 4	1.4	+0.2	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GORAKHPUR	0830	77	1015.9	1007.0	+0.9	20.3	16.0	13.0	15.0	62	- 7	1.0	+0.3	1.3	0	0	19	01	0	3	0	2	1	7	5	11	0
	1730	77	1012.6	1003.8	+0.9	25.2	18.1	13.1	15.1	47	- 8	1.0	+0.1	0.8	0	0	12	00	0	0	0	0	2	10	0	18	0
GORKHPUR P.B.O.	0230	78	1013.5	1004.4	..	17.6	15.1	13.5	15.5	77	..	1.3	..	0.3	0	0	3	01	0	0	0	1	0	0	1	26	0
	0530	78	1013.9	1004.7	..	16.1	14.2	12.9	14.9	82	..	1.5	..	0.3	0	0	5	01	2	0	0	0	0	0	2	25	0
	1130	78	1015.2	1006.2	..	24.4	17.5	13.4	15.4	51	..	1.5	..	3.8	0	0	29	01	0	0	5	9	9	4	1	1	0
	1430	78	1012.7	1003.7	..	26.2	17.2	11.4	13.5	42	..	1.3	..	4.9	0	0	29	01	0	0	1	2	8	8	9	1	0
	2030	78	1014.2	1005.1	..	20.6	16.5	14.1	16.1	66	..	0.9	..	0.7	0	0	8	01	3	0	0	1	1	1	1	22	0
	2330	78	1014.4	1005.0	..	19.0	15.8	13.7	15.8	72	..	1.5	..	1.1	0	0	8	03	2	0	0	0	1	0	2	22	0
KANPUR	0830	126	1015.9	1001.0	-0.1	18.5	14.7	11.9	13.9	67	+ 1	0.8	+0.1	3.4	0	0	17	02	0	5	0	0	0	10	0	13	0
	1730	126	1011.7	997.3	-0.9	25.6	17.6	11.6	13.6	42	- 1	1.0	+0.3	2.9	0	0	18	10	0	1	0	0	0	7	0	12	0
KANPUR (AERODROME)	0530	126	1014.6	999.8	..	14.2	12.4	10.7	12.9	81	..	0.8	..	1.6	0	0	8	02	3	0	0	0	1	1	1	22	0
	0830	126	1016.3	1001.6	..	19.0	15.0	11.9	13.9	64	..	1.6	..	5.4	0	0	20	02	0	5	1	0	2	7	2	10	1
	1130	126	1015.5	1001.3	..	26.4	17.6	10.7	12.9	38	..	1.2	..	8.9	0	0	28	01	1	3	6	1	5	9	2	2	0
	1730	126	1012.8	998.5	..	24.9	17.3	11.6	13.7	44	..	1.4	..	5.4	0	0	23	10	4	1	0	0	0	3	5	7	0
	2330	126	1014.7	1000.1	..	16.3	14.4	12.3	14.3	74	..	0.6	..	1.9	0	0	6	01	1	1	0	0	0	2	1	24	0
SULTANPUR	0830	97	1017.3	1006.3	+1.2	19.4	15.4	12.2	14.2	64	- 1	0.8	-0.2	1.2	0	0	17	01	1	2	2	1	4	5	1	13	0
	1730	97	1012.4	1001.4	+0.1	26.7	19.9	13.9	15.9	46	- 5	0.9	-0.1	0.4	0	0	5	00	0	0	0	0	0	4	1	25	0
AZAMGARH	0830	78	1015.7	1006.6	+0.5	19.1	15.9	13.5	15.5	70	- 3	1.0	+0.7	2.0	0	0	15	00	1	0	0	2	4	9	0	15	0
	1730	78	1012.7	1003.7	+0.9	24.9	19.4	15.6	17.7	58	- 6	0.4	+0.2	0.5	0	0	4	02	1	0	0	0	0	1	0	24	0
FATEHPUR	0830	114	1016.3	1002.9	+0.4	19.4	15.4	12.3	14.3	64	+ 1	0.5	-0.3	3.0	0	0	17	00	3	3	1	3	2	3	2	12	0
	1730	114	1012.5	999.4	+0.2	25.4	18.6	13.9	15.9	50	+ 3	0.8	-0.1	1.2	0	0	9	03	3	0	1	0	0	0	2	20	0
BALLIA	0830	64	1016.3	1009.1	+0.0	20.0	16.8	14.4	16.4	71	+ 0	1.4	+0.7	4.2	0	0	6	03	0	1	0	0	0	2	0	24	0
	1730	64	1013.4	1006.2	+0.5	25.0	18.2	13.3	15.3	52	- 2	0.7	-0.1	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
BANDA	0830	121	1016.5	1002.4	+0.0	20.0	15.2	11.2	13.3	57	- 4	0.4	-0.2	0.1	0	0	2	00	2	0	0	0	0	0	0	28	0
	1730	121	1011.1	997.6	-1.3	26.7	20.6	16.7	19.0	56	+ 7	1.1	+0.4	0.2	0	0	3	00	2	0	0	0	0	0	1	27	0
ALLAHABAD (BAMHRAULI)	0230	98	1014.1	1002.6	..	15.7	13.7	12.0	14.0	79	..	0.8	..	0.3	0	0	4	00	2	0	0	0	1	1	0	26	0
	0530	98	1014.4	1002.8	..	14.6	13.0	11.7	13.7	83	..	0.7	..	0.6	0	0	9	00	4	1	1	0	0	1	2	21	0
	0830	98	1016.2	1004.8	+0.4	19.3	15.5	12.5	14.5	65	- 1	1.1	+0.0	0.7	0	0	8	00	0	1	0	1	1	4	1	22	0
	1130	98	1015.3	1004.2	..	27.4	18.2	11.2	13.3	37	..	0.7	..	2.8	0	0	28	02	2	3	5	2	3	7	4	2	0
	1430	98	1012.6	1001.6	..	29.5	18.3	9.6	11.9	30	..	1.2	..	4.3	0	0	27	03	5	0	0	0	2	5	11	3	1
	1730	98	1012.8	1001.6	+0.3	25.2	18.4	13.6	15.6	49	+ 4	1.2	+0.0	0.7	0	0	8	01	3	0	0	0	0	1	3	22	0
	2030	98	1014.5	1003.1	..	19.9	15.6	12.3	14.3	62	..	0.5	..	0.5	0	0	6	01	4	1	0	0	0	0	0	24	0
	2330	98	1014.8	1003.3	..	17.3	14.5	12.3	14.3	72	..	0.7	..	0.3	0	0	5	01	4	0	0	0	0	0	0	25	0
VARANASI (BABATPUR)	0530	85	1014.5	1004.3	..	13.9	12.4	11.1	13.2	83	..	0.9	..	1.3	0	0	7	01	1	0	0	0	4	1	0	23	0
	0830	85	1016.4	1006.4	-0.1	20.0	15.5	11.8	13.8	59	- 4	1.3	+0.5	5.7	0	0	25	01	1	3	0	1	9	7	1	5	2
	1130	85	1015.4	1005.6	..	27.3	17.7	10.1	12.3	35	..	0.7	..	8.8	0	0	30	00	4	4	3	0	3	14	1	0	1
	1730	85	1013.0	1003.1	-0.2	25.0	17.0	10.9	13.0	42	- 6	0.9	+0.0	4.8	0	0	24	02	2	0	0	0	0	5	8	6	7
	2330	85	1014.8	1004.6	..	16.3	14.0	12.1	14.1	76	..	1.0	..	1.3	0	0	7	00	1	0	0	0	2	3	0	23	1
VARANASI	0830	76	1015.7	1006.8	+0.1	20.5	16.0	12.5	14.5	61	- 6	1.2	+0.2	1.1	0	0	13	00	1	0	2	0	2	7	1	17	0
	1730	76	1012.2	1003.7	+0.2	27.5	18.3	11.7	13.7	38	- 9	1.3	+0.5	0.6	0	0	8	00	0	0	0	0	0	6	2	22	0
UTTAR PRADESH WEST																											
MUKHIM	0830		..	..	..	9.6	5.7	1.1	6.6	57	+ 4	1.7	..	0.1	0	0	1	00	0	0	0	0	0	0	1	29	0
	1730		..	..	..	10.4	6.5	2.0	7.0	58	+ 1	2.3	..	1.4	0	0	10	00	0	0	0	0	0	0	10	20	0
TEHRI	0830	770	1031.0	941.1	..	10.9	9.6	8.3	10.9	85	+ 4	2.2	+0.7	1.1	0	0	6	00	1	4	1	0	0	0	0	24	0
	1130	770	1026.5	939.3	..	18.9	12.6	7.0	10.0	47	..	2.9	..	2.7	0	0	13	01	3	1	2	3	1	2	0	17	0
	1730	770	1022.6	935.9	..	19.4	13.0	7.2	10.1	50	- 3	2.9	+1.5	2.7	0	0	14	00	0	2	2	4	3	1	2	16	0
DEHRA DUN	0530	682	1016.0	937.2	..	11.2	9.7	8.4	11.0	84	..	1.4	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	0830	682	1016.7	938.5	+0.4	14.6	11.9	9.6	11.9	73	+ 3	1.5	+0.6	0.1	0	0	2	01	0	0	0	0	0	0	1	28	0
	1130	682	1015.3	939.0	..	21.3	15.7	11.6	13.7	56	..	2.2	..	0.6	0	0	9	00	0	0	1	4	3	1	0	21	0
	1730	682	1013.0	936.5	+0.3	19.9*	15.7	12.8	14.8	64	+ 3	2.7	+1.5	0.4	0	0	2	00	0	0	0	0	1	0	1	28	0
	2330	682	1016.2	938.0	..	13.3	11.3	9.6	11.9	79	..	1.8	..	0.3	0	0	4	00	0	0	0	0	1	2	1	26	0
MANSIARI	0830		..	..	..	7.7	3.7	1.5	5.4	52	..	.	..	..	.	.	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	7.2	4.3	1.1	6.6	65	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ROORKEE	0830	274	1016.8	984.7	+1.0	15.3	12.4	9.7	12.0	70	- 4	1.3	+0.3	0.1	0	0	2	00	0	2	0	0	0	0	0	28	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYNA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST(CONTD.)																											
NAJIBABAD	1730	274	1013.6	982.2	+0.6	21.9	15.7	10.5	12.7	50	+ 4	1.7	+0.4	0.1	0	0	2	00	1	0	0	0	0	0	1	28	0
	0830	270	1017.1	985.2	+0.4	14.2	12.3	10.6	12.8	79	- 2	1.7	+1.1	2.3	0	0	21	02	5	6	4	1	0	1	2	9	0
	1730	270	1014.0	983.1	+0.5	22.6	16.3	11.2	13.3	50	- 5	0.9	+0.3	0.5	0	0	4	01	0	2	0	0	0	1	0	26.	0
MEERUT	0830	222	1016.6	990.5	+0.0	16.0	13.4	11.1	13.2	74	+11	0.3	+0.0	1.8	0	0	14	01	1	8	1	0	0	0	3	16	0
BAREILLY	0830	173	1016.3	996.0	+0.6	17.0	14.8	13.2	15.2	79	+ 9	2.0	+1.4	2.7	0	0	19	01	1	5	1	0	3	4	4	11	0
	1730	173	1012.5	992.7	+0.6	23.2	17.1	12.6	14.6	52	+ 5	1.9	+1.1	1.1	0	0	10	01	0	0	0	0	2	7	0	20	0
BAREILLY P.B.O.	0230	172	1014.1	993.8	..	16.5	13.5	11.3	13.4	72	..	1.7	..	2.3	0	0	20	02	4	3	0	0	0	9	2	10	0
	0530	172	1014.3	994.0	..	15.4	13.4	12.0	14.0	80	..	1.7	..	1.1	0	0	12	01	1	3	0	0	0	1	6	18	0
	1130	172	1016.0	996.1	..	22.6	16.6	12.9	14.9	55	..	2.2	..	4.2	0	0	27	00	2	1	4	0	3	6	11	3	0
	1430	172	1013.1	993.5	..	25.0	16.5	10.8	12.9	43	..	2.2	..	5.0	0	0	27	02	0	0	2	0	2	13	8	3	0
	2030	172	1014.7	994.5	..	19.4	15.0	12.0	14.0	63	..	1.3	..	1.3	0	0	12	01	2	2	0	0	0	5	2	18	0
	2330	172	1014.9	994.7	..	17.6	14.1	11.8	13.8	69	..	1.6	..	1.7	0	0	15	01	1	2	1	0	1	6	3	15	0
ALIGARH	0830	187	1017.0	994.6	+0.6	17.0	13.4	10.8	13.0	68	+11	2.6	+2.0	1.4	0	0	16	02	2	1	1	1	1	3	5	14	0
	1730	187	1015.7	991.7	+0.5	23.8	16.9	11.5	13.6	48	+11	3.2	+2.5	1.1	0	0	12	04	0	1	0	0	0	5	2	18	0
MAINPURI	0830	157	1016.2	997.7	+0.3	17.7	14.7	12.3	14.3	71	+ 8	1.5	+0.8	1.3	0	0	13	01	0	4	0	0	0	8	0	17	0
	1730	157	1013.1	995.0	+0.5	23.2	17.7	13.9	15.9	57	+13	1.6	+0.8	0.3	0	0	2	00	0	1	0	0	0	1	0	28	0
AGRA	0830	169	1016.7	997.0	+0.6	18.9	14.9	11.8	13.8	64	+ 3	1.3	+0.7	0.9	0	0	11	00	1	0	0	0	4	0	6	19	0
	1730	169	1012.9	993.6	+0.2	23.8	19.1	16.0	18.2	62	+29	1.9	+1.2	1.9	0	0	7	00	4	0	0	0	0	0	3	23	0
AGRA AERODROME	0230	169	1014.6	994.7	..	14.8	12.8	11.1	13.2	78	..	1.1	..	1.6	0	0	6	00	0	3	3	0	0	0	0	24	0
	0530	169	1015.0	995.0	..	13.7	11.9	10.1	12.3	79	..	1.5	..	2.0	0	0	7	01	0	2	2	0	0	2	0	23	0
	0830	169	1016.5	996.8	..	18.0	14.4	11.3	13.4	66	..	1.9	..	4.3	0	0	14	00	1	2	3	2	1	2	3	16	0
	1130	169	1015.9	996.7	..	25.9	17.1	10.3	12.5	39	..	1.7	..	6.7	0	0	20	03	0	2	5	2	2	4	2	10	0
	1730	169	1013.0	993.7	..	24.5	16.8	10.5	12.7	43	..	2.1	..	6.0	0	1	21	08	2	6	2	0	0	0	4	8	0
	2330	169	1015.0	995.2	..	16.2	13.3	10.8	12.9	71	..	1.0	..	2.2	0	0	7	00	0	4	3	0	0	0	0	23	0
ORAI	0830	141	1016.9	1000.7	+0.0	25.0	19.9	16.8	19.1	61	+10	0.4	+0.1	2.2	0	0	30	12	9	0	0	0	0	0	9	0	0
	1730	141	1013.6	997.3	+0.1	26.5	21.0	14.3	16.3	59	+20	0.5	+0.0	2.2	0	0	30	08	13	0	0	0	0	0	9	0	0
JHANSI	0830	251	1016.4	987.6	+0.4	21.0	15.2	10.3	12.5	51	+ 0	0.7	-0.1	1.1	0	0	12	00	0	5	0	0	0	7	0	18	0
	1730	251	1011.9	983.8	-0.4	27.9	18.2	10.7	12.9	35	+ 3	0.7	-0.1	2.1	0	0	18	02	0	2	0	3	0	11	0	12	0
HARYANA(INCLUDING DELHI AND																											
CHANDIGARH	0830	347	1015.9	974.1	-1.5	16.5	13.0	9.8	12.5	67	+ 9	1.6	+1.2	0.6	0	0	6	00	0	0	0	0	0	0	6	24	0
	1730	347	1012.7	972.7	-0.5	22.0	15.1	9.2	11.6	45	4.4	1.8	+1.3	0.4	0	0	4	00	0	0	1	0	2	0	1	26	0
AMBALA	0830	272	1016.7	984.7	+1.0	15.3	12.7	9.8	12.1	71	+ 3	0.7	+0.0	0.8	0	0	12	00	5	0	4	0	0	0	3	18	0
	1730	272	1012.7	982.3	+1.1	22.4	12.4	10.8	12.9	49	+10	1.4	+0.7	2.0	0	0	19	00	4	0	10	0	3	1	1	11	0
AMBALA P.B.O.	0230	278	1014.5	981.9	..	15.8	12.7	10.4	12.6	70	..	1.5	..	0.9	0	0	4	00	0	1	0	0	0	0	3	26	0
	0530	278	1014.5	981.8	..	14.5	12.2	9.8	12.1	74	..	1.7	..	1.2	0	0	6	00	0	1	2	0	0	1	2	24	0
	1130	278	1015.8	983.9	..	22.1	15.4	10.9	13.0	51	..	2.8	..	3.1	0	1	8	00	1	0	4	0	0	0	4	21	0
	1430	278	1013.4	981.8	..	23.9	15.5	9.4	11.8	42	..	2.8	..	6.0	0	0	22	00	0	1	1	1	1	2	15	8	1
	2030	278	1014.3	982.2	..	19.7	14.4	10.4	12.6	57	..	1.5	..	2.2	0	0	13	01	1	1	0	0	0	1	9	17	0
	2330	278	1014.9	982.5	..	17.6	13.6	10.8	12.9	65	..	1.7	..	4.0	0	0	17	01	3	1	0	0	0	0	12	13	0
AMBALA AERODROME	0530	274	1014.9	982.2	..	10.1	9.4	8.5	11.1	89	..	1.6	..	0.8	0	0	3	00	0	0	0	0	0	0	2	27	1
	0830	274	1016.4	984.1	..	14.0	12.4	10.6	12.8	80	..	2.4	..	1.6	0	0	5	00	0	1	1	0	0	0	2	25	1
	1130	274	1015.6	984.3	..	23.0	16.4	10.9	13.0	48	..	2.9	..	9.4	0	1	25	00	2	5	6	1	1	2	7	4	2
	1730	274	1013.0	981.5	..	20.8	15.7	11.5	13.6	56	..	3.0	..	6.3	0	0	22	00	1	0	2	0	0	7	12	8	0
	2330	274	1015.4	983.0	..	12.6	11.4	9.9	12.2	84	..	1.6	..	2.1	0	0	8	00	0	1	0	0	0	0	7	22	0
KARNAL	0830	249	1016.5	987.5	+0.7	17.7	14.3	11.5	13.6	68	+ 4	1.6	+0.9	2.5	0	0	26	02	2	7	2	2	1	6	4	4	0
	1730	249	1012.6	984.2	-0.5	23.1	16.3	10.7	12.9	46	+ 5	1.5	+0.6	3.1	0	0	27	02	0	3	0	0	0	11	11	3	0
HISSAR	0530	221	1015.2	988.9	..	13.3	12.1	11.1	13.2	84	..	1.9	..	3.0	0	0	19	01	0	4	5	4	1	3	1	11	0
	0830	221	1016.8	990.7	+0.4	15.0	13.0	11.3	13.4	80	+19	1.7	+1.2	2.1	0	0	20	00	2	1	7	2	5	3	0	10	0
	1130	221	1016.2	991.3	..	23.9	18.7	15.1	17.1	59	..	1.9	..	4.3	0	0	25	02	0	6	4	3	3	3	4	5	0
	1430	221	1013.6	988.5	..	26.6	19.8	15.6	17.7	53	..	2.3	..	5.0	0	0	23	01	1	4	3	0	1	4	9	7	0
	1730	221	1013.3	988.2	+0.5	24.5	19.3	16.0	18.2	61	+24	2.0	+1.3	2.3	0	0	20	01	4	3	4	0	0	2	6	10	0
	2330	221	1015.3	989.3	..	15.8	13.7	12.6	14.6	78	..	1.5	..	2.5	0	0	22	04	4	5	2	1	0	1	5	8	0
NEW DELHI/SAFDARJUNG	0230	216	1014.7	989.2	..	14.8	12.9	11.2	13.3	79	..	1.8	..	0.5	0	0	4	00	0	1	0	0	0	2	1	26	0
	0530	216	1014.9	989.3	..	14.1	12.2	10.4	12.6	79	..	2.4	..	1.3	0	0	13	01	0	1	2	0	3	4	2	17	0
	0830	216	1016.6	991.2	+0.7	16.6	13.5	10.7	12.9	69	+21	2.4	+1.6	3.9	0	0	23	00	0	4	2	2	3	9	3	7	0
	1130	216	1016.1	991.3	..	23.9	16.4	10.2	12.4	44	..	2.0	..	6.5	0	0	26	00	2	3	1	3	2	7	8	4	0
	1430	216	1013.2	988.7	..	25.9	16.6	8.4	11.0	35	..	2.2	..	9.1	0	0	29	01	1	4	3	1	0	5	14	1	0
	1730	216	1013.0	988.3	+0.5	23.8	16.4	10.3	12.5	44	+13	2.7	+1.7	3.9	0	0	25	05	3	2	0	0	0	2	13	5	0
	2030	216	1014.8	989.6	..	18.3	14.8	12.0	14.0	67	..	1.8	..	1.7	0	0	10	00	1	3	0	0	0	3	3	20	0
	2330	216	1015.2	989.8	..	16.2	13.8	11.7	13.7	75	..	1.8	..	1.4	0	0	8	00	1	2	1	0	0	3	1	22	0
PALAM AERODROME																											

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mb. At station level	Mean pressure in mb. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HARYANA (INCLUDING DELHI AND																											
PALAM AERODROME	0230	233	1015.0	987.6	..	14.9	12.6	10.4	12.6	75	..	1.4	..	6.2	0	0	21	01	1	5	6	0	5	1	2	9	0
	0530	233	1015.3	987.7	..	13.2	11.6	10.1	12.3	82	..	1.6	..	6.6	0	0	22	00	0	3	5	0	2	2	0	8	0
	0830	233	1016.9	989.6	..	16.2	13.6	11.3	13.4	77	..	2.2	..	7.1	0	0	24	00	0	1	7	1	6	7	2	6	0
	1130	233	1016.5	989.8	..	23.5	16.2	10.1	12.3	45	..	2.1	..	10.0	0	0	28	03	1	2	5	2	1	4	10	2	0
	1430	233	1013.5	987.2	..	25.9	16.9	9.2	11.6	37	..	2.1	..	13.3	0	3	27	07	1	6	3	0	0	2	11	0	0
	1730	233	1013.3	986.7	..	23.2	16.1	10.0	12.3	45	..	2.4	..	8.5	0	0	29	08	6	6	1	1	0	1	6	1	0
	2030	233	1015.0	988.0	..	18.4	14.4	10.9	13.0	63	..	1.5	..	6.5	0	0	23	03	4	6	6	0	0	2	2	7	0
	2330	233	1015.5	988.2	..	16.6	13.4	10.6	12.8	69	..	1.5	..	6.5	0	0	21	02	1	10	6	0	1	1	0	9	0
PUNJAB																											
PATHANKOT	0530	312	1015.6	978.7	..	11.6	10.2	7.7	10.5	84	..	2.2	..	4.1	0	2	9	02	5	1	1	1	0	1	0	19	0
	0830	312	1016.3	980.1	+0.4	15.1	12.3	9.8	12.1	72	+12	3.0	+1.1	4.4	0	2	12	02	8	1	1	0	1	1	0	16	0
	1130	312	1016.2	980.5	..	22.5	15.2	8.8	11.3	43	..	3.3	..	6.0	0	2	17	04	3	8	2	0	0	1	1	11	0
	1730	312	1013.6	977.8	-0.5	20.9	14.9	9.7	12.0	50	+ 1	3.8	+1.2	3.5	0	1	10	01	2	0	1	0	2	4	0	19	1
	2330	312	1016.1	979.4	..	13.6	11.3	8.7	11.2	76	..	2.6	..	1.3	0	0	3	01	1	0	1	0	0	0	0	27	0
AMRITSAR	0530	234	1015.5	987.7	..	12.0	10.7	9.5	11.9	85	..	2.3	..	7.2	0	1	22	04	4	2	0	2	2	2	7	7	0
	0830	234	1016.9	989.2	+0.2	14.2	12.3	10.7	12.9	80	+ 1	2.8	+1.4	6.1	0	0	23	03	5	3	1	0	2	5	4	7	0
	1130	234	1016.6	989.7	..	22.0	15.3	9.5	11.9	46	..	2.9	..	7.2	0	1	21	01	4	1	1	0	1	3	11	8	0
	1430	234	1014.1	987.4	..	24.5	15.4	7.1	10.1	34	..	3.3	..	10.9	0	3	22	03	1	2	1	0	0	7	11	5	0
	1730	234	1013.9	987.0	+0.2	21.8	15.5	10.2	14.2	49	+ 4	3.8	+2.3	8.4	0	0	25	01	2	1	0	0	0	8	13	5	0
	2030	234	1015.6	988.2	..	16.6	13.4	10.7	12.9	69	..	2.6	..	9.8	0	0	29	02	2	3	0	0	1	7	14	1	0
ADAMPUR AERODROME	0830	249	1016.9	987.5	..	14.0	11.9	10.0	12.3	77	..	2.7	..	1.1	0	0	5	00	2	1	1	0	1	0	0	25	0
	1730	249	1014.3	985.6	..	20.3	14.7	9.9	12.2	52	..	3.1	..	4.8	0	0	20	02	1	1	0	1	0	4	11	10	0
LUDHIANA	0830	247	1016.7	987.7	+0.4	15.1	12.7	10.4	12.6	75	+11	2.1	+1.3	0.8	0	0	12	00	3	0	4	0	1	0	4	18	0
	1730	247	1013.5	985.2	+0.4	22.4	16.1	11.0	13.1	50	+11	2.2	+1.2	1.4	0	0	14	01	2	0	2	0	2	0	7	16	0
FEROZEPUR	0830	200	1017.3	993.7	+0.9	15.6	13.1	10.9	13.0	75	- 4	2.3	+1.3	1.0	0	0	12	05	1	1	0	2	1	0	2	18	0
	1730	200	1014.3	991.4	+1.1	23.2	16.8	11.9	13.9	50	+ 0	2.1	+0.8	1.7	0	0	21	12	0	0	0	0	0	0	9	9	0
HALWARA AERODROME	0530	242	1015.7	986.8	..	10.1	8.8	8.2	10.9	89	..	2.2	..	2.9	0	0	8	01	1	0	2	0	0	1	3	22	0
	0830	242	1016.6	988.2	..	14.4	12.9	11.5	13.6	83	..	2.7	..	4.0	0	1	11	02	0	2	2	2	0	0	4	18	0
	1130	242	1016.2	988.5	..	23.7	16.0	9.6	11.9	42	..	2.7	..	11.5	0	0	30	07	1	4	3	2	2	4	6	0	1
	1730	242	1013.7	985.6	..	21.1	15.4	11.0	13.0	52	..	2.5	..	6.7	0	0	23	02	1	1	2	0	0	3	14	7	0
	2330	242	1016.1	987.4	..	12.1	10.8	9.5	11.9	84	..	1.6	..	4.9	0	0	17	04	1	3	1	0	0	1	7	13	0
PATIALA	0830	251	1017.1	987.7	+0.9	14.8	12.6	10.5	12.7	77	+15	2.0	+0.9	1.4	0	0	7	00	0	0	2	3	0	0	2	23	0
	1730	251	1013.4	984.7	+0.1	21.7	15.7	10.8	13.0	51	+ 6	2.6	+1.3	1.4	0	0	5	01	0	0	0	1	0	0	3	25	0
BHATINDA	0830	211	1016.4	991.8	..	18.4	14.5	11.2	13.4	64	- 3	3.2	+2.4	0.7	0	0	8	00	2	0	3	0	2	0	1	22	0
	1730	211	1013.3	989.8	..	23.5	17.2	12.3	14.3	51	- 1	0.5	-0.5	1.0	0	0	14	00	0	0	6	0	0	0	8	16	0
HIMACHAL PRADESH																											
MANDI	0830	761	1018.8	930.1	-1.1	8.8	7.9	6.7	9.8	85	- 8	1.9	-0.2	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730	761	1013.2	927.9	+1.5	18.2	14.5	11.6	13.7	67	+ 5	2.7	+1.0	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
BILASPUR	0830	587	1018.2	949.8	-1.6	11.4	10.4	9.6	11.9	89	- 3	3.2	-2.1	1.0	0	0	16	00	9	2	4	0	1	0	0	14	0
	1730	587	1013.6	947.5	-0.4	19.9	14.1	9.3	11.7	51	+ 1	2.7	+0.6	2.5	0	0	22	02	12	1	5	1	0	0	1	8	0
JAMMU AND KASHMIR																											
MISGAR	0830		(R)																								
	1730		(R)																								
GILGIT	0830		(R)																								
	1730		(R)																								
SKARDU	0830		(R)																								
	1730		(R)																								
LEH	0530	3514	(R)																								
	0830	3514	3120.3	666.6	-2.0	- 1.5	- 4.9	- 9.7	2.7	58	+13	4.2	+1.6	3.4	0	0	22	04	6	1	1	8	2	0	0	8	0
	1730	3514	3108.0	666.1	+0.0	1.5	- 1.8	- 7.3	3.3	51	+17	3.7	+0.6	7.6	0	0	30	02	2	2	0	16	3	5	0	0	0
SRINAGAR	0230	1587	1536.2	844.9	..	3.9	3.2	2.5	7.3	91	..	3.6	..	0.8	0	0	8	00	0	2	0	0	0	0	6	22	0
	0530	1587	1534.9	845.0	..	3.1	2.6	2.0	7.0	93	..	3.5	..	1.7	0	0	19	00	2	0	5	0	0	0	12	11	0
	0830	1587	1546.1	845.9	-0.6	3.7	3.1	2.4	7.3	91	+ 6	4.9	+2.1	1.7	0	0	17	00	2	0	7	1	0	0	7	13	0
	1130	1587	1545.1	845.8	..	9.8	6.5	3.1	7.6	64	..	4.7	..	2.5	0	0	24	02	1	1	3	2	3	1	11	6	0
	1430	1587	1522.3	843.6	..	12.3	7.6	2.9	7.5	54	..	4.1	..	3.1	0	0	28	02	3	0	3	1	1	4	14	2	0
	1730	1587	1520.6	843.2	-0.3	10.0	6.7	3.2	7.7	64	+10	4.1	+1.2	2.9	0	0	20	00	1	0	2	0	1	4	12	10	0
	2030	1587	1532.5	844.5	..	6.5	5.1	3.4	7.8	81	..	3.2	..	0.9	0	0	8	00	0	0	3	0	0	1	4	22	0
	2330	1587	1537.5	845.0	..	4.9	4.1	3.0	7.6	86	..	3.4	..	0.9	0	0	11	00	1	0	1	0	0	1	8	19	0
SRINAGAR AERODROME	0530	1666	1534.5	836.4	..	3.0	1.8	0.4	6.3	83	..	3.7	..	1.1	0	0	4	02	0	1	0	0	0	0	1	26	0
	0830	1666	1541.8	837.7	..	4.6	3.2	1.5	6.8	80	..	4.5	..	2.8	0	0	11	01	0	1	1	5	1	2	0	19	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS -

NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYNA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD.)																											
SRINAGAR AERODROME	1130	1666	1541.0	837.8	..	9.0	6.0	2.5	7.3	65	..	4.5	..	5.9	0	1	16	05	3	0	0	0	0	4	5	13	0
	1730	1666	1517.4	835.4	..	9.6	6.0	2.2	7.2	61	..	4.6	..	4.5	0	2	9	01	0	0	0	1	0	2	7	19	0
	2330	1666	1533.8	836.8	..	4.6	2.9	0.5	6.3	76	..	3.5	..	3.2	0	0	12	04	3	0	1	1	0	1	2	18	0
GULMARG	0830		(R)																								
	1730		(R)																								
QAZIGUND	0830		..	..	..	3.7	2.9	2.2	7.2	90	..	4.6	..	0.6	0	0	8	00	1	1	4	0	1	1	0	22	0
	1730		..	..	..	9.9	6.9	3.8	8.0	66	..	4.6	..	2.4	0	0	17	00	0	0	4	2	2	9	0	13	0
BANIHAL	0830		..	..	..	6.5	4.4	2.1	7.1	74	..	2.4	..	1.5	0	0	8	08	0	0	0	0	0	0	0	22	0
	1730		..	..	..	11.0	7.1	3.2	7.7	60	..	3.7	..	2.5	0	0	12	11	0	0	0	1	0	0	0	18	0
JAMMU	0830	366	1015.2	972.3	..	14.0	11.6	9.3	11.7	72	+24	1.9	+0.4	5.0	0	0	29	02	26	1	0	0	0	0	0	1	0
	1730	366	1012.7	971.5	..	23.1	16.9	12.1	14.1	50	..	2.8	..	5.1	0	0	13	00	12	0	0	1	0	0	0	17	0
JAMMU AERODROME	0530	292	1015.7	981.1	..	13.3	11.2	8.7	11.2	75	..	2.2	..	5.7	0	0	19	00	16	3	0	0	0	0	0	11	0
	0830	292	1016.2	982.4	..	14.8	11.8	8.8	11.3	68	..	3.1	..	6.7	0	1	20	02	16	3	0	0	0	0	0	9	0
	1130	292	1016.6	982.8	..	22.2	15.2	9.6	11.9	44	..	3.3	..	4.0	0	0	13	03	2	0	0	2	2	1	3	17	0
	1730	292	1014.6	980.4	..	21.1	15.5	10.7	12.9	53	..	4.0	..	1.0	0	0	6	01	1	0	0	0	1	2	1	24	0
	2330	292	1016.1	981.7	..	15.3	12.6	9.6	11.9	71	..	2.4	..	7.5	0	0	23	00	20	2	0	0	0	0	1	7	0
GULMARG (RESEARCH INSTITUTE)	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
RAJASTHAN, WEST																											
GANGANAGAR	0530	177	1015.1	994.1	..	13.8	11.9	10.0	12.3	79	..	1.3	..	0.8	0	0	3	00	0	1	1	0	1	0	0	27	0
	0830	177	1016.6	995.6	+0.4	14.4	12.3	10.2	12.4	77	+18	2.1	+1.5	0.7	0	0	6	00	3	0	3	0	0	0	0	24	0
	1130	177	1016.2	995.9	..	24.1	17.5	11.9	13.9	51	..	2.3	..	0.2	0	0	18	01	3	0	10	0	1	1	2	12	0
	1730	177	1013.1	993.0	+0.6	25.0	19.0	14.8	16.8	55	+20	1.9	+1.2	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	2330	177	1015.4	994.5	..	16.2	13.4	10.9	13.0	72	..	0.9	..	0.1	0	0	5	01	1	0	2	0	0	0	1	25	0
ANUPGARH	0830	154	(R)																								
	1730	154	(R)																								
MAHAJAN	0830	187	1014.2	993.3	..	16.2	13.1	9.4	11.8	63	..	0.2	..	4.1	0	0	27	02	7	11	2	2	3	0	0	3	0
	1730	187	1010.8	989.6	..	26.0	17.8	10.8	12.9	31	..	1.1	..	3.7	0	0	30	04	15	3	2	0	5	0	1	0	0
CHURU	0830	291	1016.7	983.0	-0.6	16.7	13.4	10.4	12.6	68	+ 7	1.3	+0.3	3.5	0	0	22	02	2	10	2	5	0	1	0	8	0
	1730	291	1012.7	979.8	-1.1	26.1	18.7	13.2	15.2	48	+ 3	1.8	+0.5	5.7	0	0	28	15	3	3	0	0	0	4	3	2	0
BIKANER	0830	224	1016.0	989.7	-0.1	17.6	12.5	7.5	10.4	53	+ 4	1.5	+1.0	2.9	0	0	23	03	6	7	5	1	0	1	0	7	0
	1730	224	1012.0	986.7	-0.8	26.7	17.5	9.9	12.2	37	+ 6	2.6	+2.1	2.2	0	0	20	08	4	0	0	1	1	0	6	10	0
BIKANER P.B.O.	0530	224	1014.2	987.8	..	14.7	10.9	6.8	9.9	61	..	0.8	..	1.5	0	0	12	00	5	3	0	2	1	0	1	18	0
	1130	224	1015.2	989.7	..	26.4	16.4	7.5	10.4	33	..	1.3	..	3.5	0	0	28	00	9	2	8	5	2	1	1	2	0
	1430	224	1012.3	987.1	..	29.3	17.4	5.9	9.3	26	..	1.8	..	3.6	0	0	23	04	8	1	2	0	1	3	4	7	0
	2030	224	1013.8	988.8	..	21.4	14.7	8.5	11.1	45	..	1.4	..	2.2	0	0	16	05	11	0	0	0	0	0	0	14	0
	2330	224	1014.5	988.5	..	18.3	12.9	7.4	10.3	51	..	1.9	..	1.8	0	0	11	04	6	0	1	0	0	0	0	19	0
NAGAUR	0830	298	1015.8	981.9	-0.3	21.2	15.2	10.2	12.4	51	+ 4	1.3	+0.2	4.9	0	0	29	05	4	6	4	4	4	0	2	1	0
	1730	298	1011.7	978.5	+0.2	28.0	20.1	14.6	16.6	45	+ 8	1.8	+0.5	3.9	0	0	24	07	2	1	0	2	4	1	7	6	0
PHALODI	0830	234	1015.5	988.3	-0.2	18.4	13.7	8.6	11.2	55	+ 2	1.7	+1.0	6.0	0	0	25	05	5	2	4	5	2	2	0	5	0
	1730	234	1012.0	986.3	-0.1	29.6	19.2	11.5	13.6	34	- 3	2.4	+1.5	9.0	0	0	29	07	5	1	3	1	1	8	3	1	0
JAISALMER	0830	242	1014.6	986.8	-1.1	18.4	15.3	12.8	14.8	66	+14	0.9	+0.3	2.2	0	0	17	05	4	1	0	4	2	0	1	13	0
	1730	242	1010.5	984.0	-0.9	29.9	23.7	20.3	23.8	57	+18	1.3	+0.6	9.3	0	1	28	08	5	1	0	2	2	5	6	1	0
JODHPUR	0230	224	1013.5	987.5	..	18.9	13.3	7.9	10.6	50	..	1.3	..	8.1	0	0	28	07	13	2	0	0	2	2	2	2	0
	0530	224	1013.7	987.5	..	17.0	12.4	7.8	10.6	55	..	1.3	..	7.4	0	0	29	04	18	3	0	0	1	2	1	1	0
	0830	224	1015.6	989.4	-0.5	18.4	13.3	8.4	11.0	53	15	1.8	+0.9	6.2	0	0	26	02	13	6	0	0	1	0	1	4	3
	1130	224	1014.7	989.5	..	28.4	17.5	8.2	10.9	29	..	1.8	..	6.5	0	0	24	01	3	5	3	3	5	4	0	6	0
	1430	224	1011.7	986.8	..	31.7	18.2	6.7	9.8	22	..	2.0	..	8.6	0	0	28	01	1	3	1	2	3	10	4	2	3
	1730	224	1011.4	986.4	-0.5	29.7	18.2	8.7	11.2	28	+ 6	2.0	0.9	6.6	0	0	29	01	5	1	1	2	7	8	4	1	0
	2030	224	1013.6	987.8	..	22.9	15.8	9.8	12.1	44	..	1.4	..	6.1	0	0	26	04	6	0	1	1	8	5	1	4	0
	2330	224	1013.9	988.1	..	21.1	14.6	8.7	11.2	46	..	1.2	..	8.7	0	0	29	04	13	1	0	0	2	8	1	1	0
BARMER	0530	194	1012.5	990.0	..	19.1	14.5	10.5	12.7	58	..	0.8	..	1.3	0	0	8	01	0	0	0	0	0	2	5	22	0
	0830	194	1014.2	991.8	-1.0	20.6	17.0	14.5	16.5	68	+22	1.3	+0.4	1.6	0	0	14	02	1	0	0	0	0	1	10	16	0
	1130	194	1014.6	992.1	..	27.6	18.8	12.3	14.3	40	..	1.5	..	1.9	0	0	17	06	3	1	2	2	1	2	0	13	0
	1730	194	1010.5	988.8	-1.0	30.6	21.5	16.0	18.2	37	+ 8	1.7	+0.6	2.2	0	0	14	04	2	0	0	1	3	1	3	16	0
	2330	194	1012.7	990.4	..	22.7	16.1	10.5	12.7	45	..	0.8	..	2.4	0	0	13	00	0	0	0	0	3	3	7	17	0
ERINPURA (JAWAI DAM)	0830	295	1013.8	980.6	-1.5	20.8	16.2	12.3	14.3	60	-10	1.4	+0.1	1.7	0	0	16	00	0	0	3	5	8	0	0	14	0
	1730	295	1010.2	977.9	-1.3	25.4	19.7	15.6	17.7	55	+12	2.8	+1.4	0.5	0	0	8	00	1	0	1	1	4	1	0	22	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lic. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN, EAST																											
PILANI	0830	301	1017.3	982.2	+0.2	16.9	12.2	7.5	10.4	57	+ 5	1.9	+1.4	6.7	0	0	29	00	1	9	8	5	3	2	1	1	0
	1730	301	1013.5	979.5	-0.5	25.3	15.6	6.5	9.7	33	- 2	2.0	+1.2	6.5	0	0	28	09	7	3	2	0	1	1	5	2	0
SIKAR	0830	433	1015.8	966.3	-0.6	19.2	12.9	6.5	9.7	47	-17	0.9	+0.2	0.8	0	0	10	00	0	0	9	0	0	1	0	20	0
	1730	433	1011.4	963.3	-1.1	26.5	15.4	4.1	8.2	26	-27	0.9	-0.1	0.5	0	0	7	00	0	0	0	0	0	6	1	23	0
ALWAR	0830	271	1016.1	984.4	-0.7	16.8	13.6	10.9	13.0	69	- 7	2.1	+1.2	0.3	0	0	3	01	1	0	0	0	1	0	0	27	0
	1730	271	1012.0	981.3	-1.4	24.4	17.2	11.6	13.6	46	- 5	2.0	+0.8	0.5	0	0	7	01	3	0	0	0	0	0	3	23	0
JAIPUR (SANGANER)	0230	390	1014.1	968.9	..	17.3	12.2	6.9	9.9	51	..	1.0	..	7.4	0	1	26	01	4	21	1	0	0	0	0	3	0
	0530	390	1014.2	969.0	..	16.2	11.6	6.5	9.7	54	..	0.9	..	6.3	0	1	25	02	4	18	1	0	0	0	1	4	0
	0830	390	1015.5	970.7	-0.6	20.0	13.6	7.2	10.1	46	- 2	1.5	+0.8	7.0	0	1	20	01	0	13	5	0	0	0	1	9	1
	1130	390	1014.5	970.8	..	26.2	15.7	5.7	9.1	29	..	1.2	..	7.5	0	0	29	00	0	4	9	5	7	2	2	1	0
	1430	390	1011.5	968.2	..	28.3	16.0	3.8	8.0	23	..	1.5	..	7.5	0	0	30	02	1	4	6	2	3	6	6	0	0
	1730	390	1011.6	967.9	-0.7	25.8	15.8	6.6	9.7	31	+ 1	1.5	+0.5	3.3	0	0	17	01	1	7	2	0	0	2	4	13	0
	2030	390	1013.9	969.4	..	20.5	13.8	7.3	10.2	43	..	1.3	..	5.5	0	0	26	04	6	14	2	0	0	0	0	4	0
	2330	390	1014.4	969.6	..	18.6	13.0	7.5	10.4	49	..	1.0	..	6.4	0	2	24	00	4	18	2	0	1	0	1	4	0
DHOLPUR	0830	176	1016.2	995.7	-0.6	17.9	13.8	10.2	12.4	60	- 3	0.9	-0.1	0.3	0	0	4	00	0	4	0	0	0	0	0	26	0
	1730	176	1012.4	992.2	-0.7	24.3	16.9	7.4	10.3	28	-20	0.4	-0.9	0.2	0	0	3	00	0	1	0	0	0	2	0	27	0
AJMER	0830	486	1016.4	960.5	-0.4	16.4	12.5	9.3	11.7	63	+ 9	1.1	+0.4	1.2	0	0	10	02	5	1	1	1	0	0	0	20	0
	1730	486	1011.3	957.5	-0.6	26.6	16.0	7.3	10.2	31	+ 3	1.9	+0.9	4.3	0	0	25	02	4	0	1	2	3	8	5	5	0
TONK	0830	272	1015.1	983.5	-0.7	18.3	13.7	9.6	11.9	57	-15	0.8	-0.7	6.0	0	0	29	00	8	4	3	0	1	9	4	1	0
	1730	272	1010.8	980.2	-1.2	26.6	18.3	12.3	14.3	42	-12	1.4	-0.5	4.3	0	0	29	04	3	2	1	3	1	8	7	1	0
BHILWARA	0830	425	1016.0	967.1	..	18.3	13.2	8.4	11.2	54	..	1.9	..	2.0	0	0	17	02	3	0	0	0	7	0	5	13	0
	1730	425	1010.9	964.3	..	26.6	16.6	6.9	9.9	28	..	2.7	..	3.3	0	0	23	02	8	0	2	1	1	1	7	7	1
KOTA	0830	257	1015.6	985.8	-0.8	19.5	14.9	11.2	13.3	60	+ 9	1.1	+0.1	1.1	0	0	13	04	1	0	2	0	0	5	1	17	0
	1730	257	1011.4	982.8	-0.5	27.6	18.0	10.5	12.7	34	+ 5	1.1	+0.0	1.2	0	0	12	03	4	2	0	0	0	1	2	18	0
KOTA AERODROME	0530	274	1014.0	982.2	..	17.2	12.6	8.2	10.9	56	..	0.6	..	2.7	0	0	17	01	0	2	0	1	2	11	0	13	0
	0830	274	1015.9	984.3	..	20.3	14.3	8.7	11.2	49	..	0.9	..	3.9	0	0	17	02	3	2	1	1	0	5	3	13	0
	1130	274	1015.1	984.2	..	27.0	16.7	7.7	10.5	31	..	1.1	..	4.5	0	0	23	07	3	8	0	1	0	2	2	7	0
	1730	274	1011.6	981.0	..	28.1	17.0	7.0	10.0	27	..	1.2	..	5.1	0	0	29	08	11	5	0	0	0	0	5	1	0
	2330	274	1014.3	982.7	..	20.3	13.6	7.2	10.1	43	..	0.6	..	4.1	0	0	25	02	0	8	2	4	2	6	1	5	0
CHAMBAL (RAWAT BHATTA DAM)	0830	351	1014.6	974.1	-2.6	18.7	14.0	10.9	13.0	61	- 7	0.7	-0.4	0.4	0	0	4	00	3	0	0	0	0	0	1	26	0
	1730	351	1009.9	970.9	-2.4	27.9	17.6	9.4	11.8	32	- 4	0.9	-0.7	2.9	0	0	28	02	18	0	0	0	1	2	5	2	0
UDAIPUR	0230	582	1015.0	948.4	..	15.5	12.8	10.0	12.3	72	..	0.7	..	0.0	0	0	0	00	0	0	0	0	0	0	0	0	30
	0530	582	1015.1	948.1	..	14.1	11.9	10.1	12.3	77	..	0.5	..	0.0	0	0	0	00	0	0	0	0	0	0	0	0	30
	0830	582	1016.4	950.1	-0.6	18.0	14.0	10.9	13.0	64	+ 7	0.7	-0.2	0.2	0	0	3	02	1	0	0	0	0	0	0	27	0
	1130	582	1013.9	950.0	..	28.1	17.8	10.9	13.0	35	..	0.8	..	2.3	0	0	16	01	4	3	1	0	4	2	1	14	0
	1730	582	1011.1	947.1	-0.7	27.0	17.7	11.4	13.5	38	- 1	1.8	+0.5	2.7	0	0	14	01	2	0	0	2	1	2	5	16	1
	2330	582	1015.3	949.0	..	17.3	13.9	11.3	13.4	68	..	1.3	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
JHALAWAR	0830	321	1016.2	979.3	+0.4	19.7	13.3	9.6	11.9	59	- 1	1.0	+0.0	0.5	0	0	4	00	0	0	0	0	0	2	2	26	0
	1730	321	1010.6	975.0	-0.7	28.6	17.2	7.9	10.6	28	- 2	0.7	-0.3	0.7	0	0	5	03	2	0	0	0	0	0	0	25	0
BANSWARA	0830	220	1015.8	990.2	..	17.7	14.7	12.1	14.1	70	..	0.3	..	5.3	0	0	27	00	0	26	1	0	0	0	0	0	0
	1730	220	1011.9	987.1	..	29.3	20.4	14.8	16.8	43	..	0.0	..	4.1	0	0	22	11	0	0	0	1	1	9	0	5	0
MADHYA PRADESH, WEST																											
GWALIOR	0230	207	1014.7	990.1	..	13.5	11.3	9.1	11.6	75	..	0.8	..	0.7	0	0	6	00	0	0	0	5	1	0	0	24	0
	0530	207	1014.9	990.2	..	12.4	10.6	8.9	11.3	79	..	1.1	..	0.6	0	0	6	00	0	0	3	2	1	0	0	24	0
	0830	207	1016.2	992.2	+0.2	19.2	14.2	9.9	12.2	55	+ 2	1.5	+0.6	2.3	0	0	17	02	1	2	1	8	2	1	0	13	0
	1130	207	1015.2	991.8	..	27.1	16.8	7.9	10.8	31	..	1.2	..	5.5	0	0	27	01	1	2	4	10	1	4	4	3	0
	1430	207	1012.3	989.1	..	28.6	17.1	7.2	10.2	27	..	1.5	..	5.7	0	0	29	03	5	6	1	2	1	1	10	1	0
	1730	207	1012.5	989.0	+0.0	25.2	17.1	10.7	12.9	41	+ 4	1.3	+0.2	3.0	0	0	22	06	9	4	0	0	0	0	3	8	0
	2030	207	1014.7	990.6	..	17.9	13.9	10.5	12.7	62	..	0.6	..	0.9	0	0	6	00	1	1	1	1	2	0	0	24	0
	2330	207	1015.1	990.7	..	15.1	12.3	9.8	12.0	70	..	0.7	..	0.7	0	0	8	00	1	0	1	6	0	0	0	22	0
SHEOPUR	0830	235	1016.2	988.7	-0.6	17.0	13.4	10.1	12.4	65	+ 7	1.4	+0.4	3.1	0	0	19	06	0	1	1	10	0	1	0	11	0
	1730	235	1011.7	985.3	-0.7	27.8	17.5	9.1	11.6	32	- 7	1.4	+0.2	5.8	0	0	30	17	8	1	0	1	1	0	2	0	0
SHIVPURI	0830	464	1015.6	962.9	..	20.7	14.2	9.0	11.5	48	..	0.6	..	3.7	0	0	20	00	5	5	6	1	2	1	0	10	0
	1730	464	1012.0	960.2	..	24.9	15.8	8.6	11.3	36	..	1.1	..	4.6	0	0	24	03	4	5	1	1	0	4	6	6	0
NOWGONG	0830	229	1016.6	990.0	+0.1	18.9	14.6	10.9	13.1	60	- 9	0.7	-0.3	1.1	0	0	12	01	0	1	1	2	7	0	0	18	0
	1730	229	1012.3	986.6	-0.1	26.6	17.8	11.0	13.2	39	- 1	0.9	-0.2	0.5	0	0	5	01	0	1	0	0	0	0	3	25	0
GUNA	0530	478	1015.2	959.6	..	13.5	10.9	8.6	11.2	73	..	0.7	..	2.9	0	0	22	02	2	7	10	1	0	0	0	8	0
	0830	478	1015.8	961.5	-0.2	20.7	15.1	10.8	13.1	53	- 7	1.2	+0.2	4.9	0	0	29	03	1	16	4	4	0	1	0	1	0
	1130	478	1014.1	961.3	..	28.9	19.0	12.7	14.7	38	..	0.7	..	5.4	0	0	30	03	3	4	7	5	3	1	4	0	0
	1430	478	1011.1	958.6	..	30.0	18.8	11.5	13.5	32	..	2.0	..	6.3	0	0	30	03	4	0	0	2	4	3	14	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYNA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.			Mean temperature in °C			Vapour pressure in mb.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH. WEST(CONTD)																											
GUNA	1730	478	1011.4	958.4	-0.4	26.8	17.8	11.5	13.8	39	+ 4	1.2	+0.1	3.7	0	0	26	15	3	2	0	0	0	0	6	4	0
	2330	478	1015.3	960.3	..	16.8	12.8	9.4	11.9	62	..	0.5	..	3.3	0	0	24	00	6	2	12	1	0	3	0	6	0
NIMACH	0830	496	1016.4	960.1	+0.2	20.5	13.1	6.5	9.7	41	- 3	1.4	+0.1	2.0	0	0	18	01	15	1	0	1	0	0	0	12	0
	1730	496	1011.8	957.1	-0.2	28.0	15.9	5.8	9.3	25	- 2	1.1	-0.5	4.7	0	0	24	03	11	2	0	0	1	2	0	6	5
RAJGARH	0830	382	1015.8	971.8	-0.9	17.9	13.6	9.8	12.1	59	- 3	1.0	-0.4	3.6	0	0	28	04	1	7	6	8	0	1	1	2	0
	1730	382	1010.9	968.6	-1.0	28.9	18.6	10.6	13.0	33	- 4	0.4	-1.2	5.5	0	0	30	23	0	2	0	0	0	2	3	0	0
SAGAR	0830	551	1015.2	953.2	+0.0	21.7	16.2	12.2	14.4	56	+13	1.2	-0.2	5.7	0	0	28	00	3	7	2	0	6	8	2	2	0
	1730	551	1010.6	949.9	-0.6	27.0	18.8	13.4	15.7	44	+10	1.1	-0.5	7.1	0	0	28	02	5	5	0	1	2	6	7	2	0
RATLAM	0830	486	1015.3	960.1	-0.4	21.0	15.2	10.7	13.0	54	+ 2	1.2	-0.4	4.7	0	0	18	01	8	7	1	1	0	0	0	12	0
	1730	486	1010.5	957.1	-0.3	29.2	19.7	13.6	16.0	40	+ 5	2.1	-0.1	6.8	0	0	28	04	8	6	0	0	0	4	6	2	0
BHOPAL(BAIRAGARH)	0230	523	1013.7	954.0	..	18.0	12.2	7.0	10.0	49	..	0.5	..	4.9	0	0	21	07	6	2	4	1	0	0	1	9	0
	0530	523	1014.3	954.4	..	16.7	11.9	7.4	10.5	55	..	0.6	..	5.0	0	0	21	03	3	5	6	3	0	0	1	9	0
	0830	523	1015.4	956.4	-0.4	21.6	14.5	8.4	11.4	43	-10	1.6	+0.3	6.8	0	0	24	02	2	6	8	5	1	0	0	6	0
	1130	523	1013.7	956.0	..	28.1	16.5	7.3	10.4	28	..	1.1	..	10.3	0	0	30	01	1	3	11	3	6	3	2	0	0
	1430	523	1010.5	953.3	..	29.6	16.6	5.9	9.4	23	..	2.5	..	8.9	0	0	28	04	0	3	3	2	6	5	5	2	0
	1730	523	1010.9	953.3	-0.4	27.5	16.0	6.6	9.8	27	- 6	2.2	+0.7	4.3	0	0	20	09	1	1	1	1	0	3	4	10	0
	2030	523	1013.8	955.0	..	22.5	14.5	7.7	10.7	39	..	1.3	..	3.5	0	0	20	05	5	3	4	2	1	0	0	10	0
	2330	523	1014.1	954.9	..	19.9	13.4	7.8	10.7	46	..	0.4	..	4.6	0	0	18	04	4	3	2	2	2	1	0	12	0
UJJAIN	0830	489	1016.4	960.1	..	16.3	12.5	9.3	11.7	64	..	2.2	..	0.9	0	0	8	00	0	4	3	1	0	0	0	22	0
	1730	489	1011.0	956.9	..	27.6	17.5	10.3	12.7	34	..	2.7	..	3.3	0	0	19	05	5	2	0	0	0	3	4	11	0
NARSINGHPUR	0830	356	1016.4	975.4	..	18.8	14.4	10.5	12.9	59	..	1.1	..	1.9	0	0	19	00	13	2	2	0	1	0	1	11	0
	1730	356	1011.1	971.5	..	28.3	19.1	12.5	14.7	38	..	2.3	..	1.1	0	0	17	03	5	0	0	0	6	0	3	13	0
HOSHANGABAD	0830	302	1016.8	981.9	+0.7	19.6	14.6	10.3	12.6	55	- 9	1.1	-0.5	2.0	0	0	30	00	1	0	0	0	29	0	0	0	0
	1730	302	1011.5	977.8	+0.1	29.1	17.9	8.9	11.4	30	- 8	2.4	+0.6	2.1	0	0	30	01	10	0	9	0	9	1	0	0	0
INDORE	0530	567	1014.5	949.5	..	15.5	11.1	7.0	10.1	57	..	0.4	..	3.8	0	0	20	00	5	2	2	5	4	1	1	10	0
	0830	567	1015.3	951.4	+0.1	21.1	13.8	7.7	10.5	42	-12	0.9	-0.6	4.2	0	0	23	00	1	6	3	8	4	1	0	7	0
	1130	567	1013.3	951.1	..	28.8	16.9	7.7	10.6	27	..	0.7	..	8.7	0	0	29	01	3	4	0	10	5	2	3	1	1
	1730	567	1010.6	948.4	+0.0	27.5	16.1	6.9	10.0	27	- 5	1.6	-0.3	7.7	0	1	27	04	6	5	0	0	4	3	6	2	0
	2330	567	1014.4	950.1	..	18.7	12.5	6.7	9.9	46	..	0.3	..	5.2	0	0	25	01	7	2	0	3	6	2	4	5	0
RAJPUR(JHABUA)	0830	293	1016.0	982.2	-0.5	19.3	13.9	9.1	11.5	53	-10	0.9	-1.4	1.2	0	0	10	00	0	5	0	0	0	5	0	20	0
	1730	293	1011.1	978.7	-0.3	30.6	17.6	6.2	9.6	22	-13	1.0	-1.1	5.9	0	0	30	00	0	0	0	0	0	30	0	0	0
CHHINDWARA	0830	685	1016.1	939.0	+0.2	19.1	13.9	9.7	12.1	55	- 3	1.4	-0.1	1.6	0	0	11	01	0	5	0	0	0	5	0	19	0
	1730	685	1010.8	935.9	+0.0	26.6	16.0	7.7	10.4	30	- 5	2.0	+0.1	2.3	0	0	17	02	1	2	2	2	0	1	7	13	0
SEONI	0830	619	1015.9	946.3	+0.7	20.1	14.6	10.3	12.6	53	- 4	1.9	+0.2	2.1	0	0	17	01	3	2	3	1	3	3	1	13	0
	1730	619	1011.3	943.2	+0.4	25.8	17.0	10.6	12.9	40	- 2	2.5	+0.6	6.5	0	0	30	06	2	2	8	8	3	1	0	0	0
BETUL	0830	653	1015.4	942.4	-0.2	22.1	14.9	9.2	11.7	44	-12	1.4	-0.3	3.7	0	0	27	00	2	7	17	1	0	0	0	3	0
	1730	653	1010.8	939.2	-0.2	26.4	16.2	8.1	11.0	32	-10	1.6	-0.5	3.9	0	0	28	10	10	0	1	1	0	1	5	2	0
KHANDWA	0830	318	1015.5	979.0	+0.3	20.6	13.9	7.6	10.5	43	-15	0.6	-1.0	1.2	0	0	16	01	2	6	2	1	1	2	1	14	0
	1730	318	1010.4	975.3	+0.1	30.6	17.6	6.7	9.6	23	-12	1.2	-0.6	2.7	0	0	25	06	7	2	2	1	1	2	4	5	0
MADHYA PRADESH, EAST																											
SATNA	0530	317	1014.7	977.6	..	14.3	12.0	9.9	12.2	75	..	0.6	..	0.9	0	0	10	02	2	1	0	1	0	4	0	20	0
	0830	317	1016.3	979.8	+0.4	19.7	14.5	9.9	12.3	53	- 9	0.6	-0.6	1.9	0	0	26	00	0	14	1	2	0	9	0	4	0
	1130	317	1014.8	979.1	..	27.0	16.9	8.3	11.1	32	..	0.6	..	2.6	0	0	27	00	1	5	7	1	0	11	2	3	0
	1430	317	1011.8	976.5	..	28.7	17.3	7.1	10.5	26	..	1.3	..	2.9	0	0	27	03	2	3	1	0	2	10	6	3	0
	1730	317	1012.2	976.5	+0.3	25.7	16.6	8.8	11.5	35	- 7	0.4	-1.0	1.4	0	0	14	03	2	1	0	0	0	6	2	16	0
	2330	317	1015.3	978.6	..	18.2	13.7	9.6	12.0	58	..	0.6	..	0.8	0	0	10	01	2	1	1	2	0	2	1	20	0
REWA	0830	299	1015.9	981.4	..	19.3	14.6	10.6	12.9	58	..	0.9	..	1.0	0	0	11	01	2	0	2	1	3	1	1	19	0
	1730	299	1011.8	978.1	..	25.9	17.1	9.9	12.3	37	..	1.3	..	1.1	0	0	15	08	4	1	0	0	0	0	2	15	0
SIDHI	0830	272	1015.1	983.5	-0.8	17.5	14.5	12.0	14.1	70	+ 5	0.4	-0.9	0.2	0	0	3	00	0	2	0	1	0	0	0	27	0
	1730	272	1011.4	980.8	-0.4	25.7	18.0	12.3	14.4	44	+ 2	0.5	-1.0	0.1	0	0	2	00	1	1	0	0	0	0	0	28	0
UMARIA	0830	459	1016.6	964.0	+0.5	18.9	14.7	11.7	13.7	63	+ 0	1.0	-0.3	1.6	0	0	16	02	0	5	8	1	0	0	0	14	0
	1730	459	1012.1	960.9	+0.7	25.4	17.6	12.4	14.4	45	- 5	2.2	+0.4	1.1	0	0	15	06	0	4	0	0	2	1	2	15	0
JABALPUR	0530	393	1015.0	969.3	..	14.8	12.7	10.9	13.0	78	..	0.9	..	1.2	0	0	11	00	0	2	6	2	1	0	0	19	0
	0830	393	1016.5	971.5	+0.4	19.2	14.8	11.1	13.3	60	- 8	1.2	-0.3	2.3	0	0	20	01	0	0	9	10	0	0	0	10	0
	1130	393	1014.3	970.5	..	27.4	18.2	11.3	13.5	37	..	1.2	..	4.2	0	0	25	03	2	2	3	7	4	3	1	5	0
	1430	393	1011.1	967.8	..	29.4	18.0	8.5	11.4	27	..	2.6	..	4.3	0	0	27	05	8	3	1	1	3	4	2	3	0
	1730	393	1011.7	967.9	+0.4	26.4	17.6	10.9	13.0	38	- 6	2.1	+0.4	1.6	0	0	15	03	6	0	2	1	1	2	0	15	0
	2030	393	1014.3	969.6	..	20.7	15.9	12.1	14.2	58	..	0.7	..	0.8	0	0	8	01	0	2	4	0	1	0	0	22	0
	2330	393	1014.7	969.6	..	18.3	14.7	11.7	13.8	65	..	0.6	..	0.7	0	0	6	00	1	3	2	0	0	0	0	24	0
AMBIKAPUR	0830	611	1016.5	947.4	+0.2	18.6	14.0	10.4	12.6	59	- 9	0.6	-0.4	1.0	0	0	9	00	0	1	4	3	1	0	0	21	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																											
AMBIKAPUR	1730	611	1011.9	944.1	0.3	23.3	16.1	10.8	13.0	46	- 5	1.1	-0.1	6.7	0	1	29	17	8	0	0	0	2	2	1	0	0
JASHPURNAGAR	0830	779	1015.9	929.2	..	20.2	14.3	9.6	12.0	51	..	0.2	..	1.3	0	0	15	04	5	0	2	0	1	0	3	15	0
	1730	779	1011.8	926.0	..	22.1	14.7	8.6	11.4	43	..	1.6	..	1.6	0	0	23	01	2	0	1	0	9	2	8	7	0
PENDRA	0530	625	1015.5	944.1	..	15.4	12.0	9.0	11.5	66	..	0.8	..	1.1	0	0	11	02	0	0	0	1	3	3	2	14	0
	0830	625	1016.0	946.0	+0.6	21.1	15.3	11.0	13.2	53	- 4	0.6	-1.1	2.0	0	1	8	01	1	0	0	4	1	0	2	21	0
	1130	625	1014.0	945.1	..	25.9	17.2	11.1	13.3	40	..	1.0	..	9.0	0	3	25	07	2	0	2	9	3	0	5	2	0
	1430	625	1011.2	942.7	..	26.5	17.6	11.4	13.7	40	..	2.1	..	10.6	0	3	24	10	2	0	1	7	3	0	4	3	0
	1730	625	1012.5	943.1	+0.7	22.9	16.6	12.1	14.3	52	+ 3	1.8	-0.1	2.5	0	0	22	05	1	0	2	7	3	0	4	8	0
	2330	625	1015.4	944.6	..	17.5	13.5	10.2	12.5	63	..	0.8	..	2.0	0	0	18	01	0	1	0	4	6	5	1	12	0
MANDLA	0830	443	1016.9	966.0	-0.1	17.5	14.3	11.7	13.7	69	-10	1.2	-0.5	0.1	0	0	1	00	0	0	0	1	0	0	0	29	0
	1730	443	1011.6	962.2	-0.2	25.2	17.5	11.7	13.7	44	- 2	1.7	-0.1	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
CHAMPA	0830	245	1016.6	988.1	+0.2	19.3	15.8	13.1	15.1	66	- 1	0.8	-1.2	1.9	0	0	19	13	1	2	1	0	0	0	2	11	0
	1730	245	1012.1	984.5	+0.1	27.2	18.5	12.3	14.3	40	- 5	2.1	+0.0	1.5	0	0	22	15	0	0	0	1	0	4	2	8	0
RAIGARH	0830	220	1016.5	991.2	+0.8	21.7	17.2	14.1	16.0	62	+ 0	1.3	-0.7	3.2	0	0	30	04	24	1	1	0	0	0	0	0	0
	1730	220	1011.9	987.0	+0.3	26.7	19.8	15.4	17.5	50	+ 6	1.4	-0.5	1.3	0	0	19	11	4	0	0	0	2	1	1	11	0
RAIPUR	0530	298	1014.6	980.0	..	17.5	15.0	13.1	15.1	76	..	1.6	..	0.8	0	0	6	01	0	1	1	1	1	1	0	24	0
	0830	298	1016.3	982.2	+0.9	22.0	17.2	13.7	15.8	60	- 3	1.7	+0.0	2.8	0	0	20	04	4	3	1	4	1	2	1	10	0
	1130	298	1014.7	981.3	..	27.9	19.0	12.5	14.7	39	..	1.5	..	4.1	0	0	28	06	3	3	8	1	2	4	1	2	0
	1430	298	1011.6	978.5	..	29.7	18.8	10.4	12.9	31	..	2.0	..	4.7	0	0	29	06	4	4	1	2	1	7	4	1	0
	1730	298	1012.1	978.7	+0.8	26.9	18.4	12.1	14.3	40	- 6	2.4	+0.4	2.2	0	0	17	02	4	4	1	1	2	3	0	13	0
	2030	298	1014.1	980.3	..	23.1	17.0	12.1	14.5	51	..	0.5	..	0.9	0	0	7	00	1	2	1	2	1	0	0	23	0
	2330	298	1014.4	980.2	..	21.0	16.3	12.6	14.7	59	..	0.2	..	3.0	0	0	20	00	1	6	2	6	4	0	1	10	0
KANKER	0830	402	1016.3	970.4	+0.7	19.6	15.9	13.0	15.1	65	-10	1.9	-0.5	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730	402	1011.5	966.9	+0.6	26.8	18.6	12.6	14.8	43	- 9	2.3	+0.4	0.3	0	0	3	01	0	0	0	0	1	0	1	27	0
JAGDALPUR	0530	553	1014.9	951.6	..	15.2	13.9	12.9	14.9	86	..	0.9	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	0830	553	1016.1	953.8	+1.4	20.1	16.3	13.9	15.7	68	- 8	0.9	-1.7	0.7	0	0	6	03	1	0	0	0	0	0	2	24	0
	1130	553	1013.5	952.7	..	26.9	17.6	11.0	13.4	37	..	1.4	..	4.1	0	0	19	02	7	5	1	1	0	2	1	11	0
	1430	553	1010.3	949.9	..	28.4	17.6	9.7	12.3	32	..	2.4	..	4.6	0	0	23	06	12	3	0	0	0	1	1	7	0
	1730	553	1011.4	950.4	+1.2	25.3	17.6	12.4	14.5	45	-11	2.6	+0.7	0.5	0	0	5	02	2	0	0	1	0	0	0	25	0
	2030	553	1014.2	952.2	..	21.2	16.3	13.0	15.0	59	..	0.6	..	0.2	0	0	1	00	0	0	0	0	1	0	0	29	0
	2330	553	1014.8	952.2	..	18.4	15.5	13.4	15.5	73	..	0.5	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
GUJARAT REGION (INCLUDING DAMAN)																											
DEESA	0830	136	(R)																								
	1730	136	(R)																								
RADHANPUR	0830	30	(R)																								
	1730	30	(R)																								
IDAR	0830	219	1014.9	989.9	-0.4	23.9	15.0	6.6	9.9	35	- 3	0.7	-0.8	2.2	0	0	14	01	10	1	0	0	0	0	2	16	0
	1730	219	1011.1	986.7	-0.6	30.3	17.8	7.2	10.2	24	- 8	0.5	-1.2	2.6	0	0	22	02	1	1	0	0	2	13	3	8	0
AHMADABAD	0230	55	1012.8	1006.3	..	19.8	15.3	11.7	13.7	60	..	0.5	..	2.1	0	0	8	01	4	1	0	0	0	1	1	22	0
	0530	55	1012.7	1006.2	..	17.9	14.3	11.3	13.4	66	..	0.3	..	2.1	0	0	7	02	3	0	0	0	0	0	2	23	0
	0830	55	1014.7	1008.3	-0.2	21.8	15.7	10.7	12.9	50	- 2	1.2	+0.0	3.7	0	0	14	01	6	7	0	0	0	0	0	16	0
	1130	55	1014.6	1008.4	..	30.9	19.9	12.2	14.3	33	..	0.8	..	10.1	0	2	27	06	2	10	4	1	0	1	4	1	1
	1430	55	1011.7	1005.5	..	33.5	20.7	11.6	13.9	27	..	1.0	..	7.9	0	6	21	02	1	2	3	0	2	8	8	3	1
	1730	55	1011.3	1005.1	-0.3	31.6	19.8	11.2	13.5	29	+ 0	1.0	-0.3	5.7	0	0	24	05	1	0	2	2	0	4	8	6	2
	2030	55	1012.9	1006.6	..	24.3	18.0	13.5	15.5	51	..	0.5	..	0.6	0	0	2	01	0	0	0	1	0	0	0	28	0
	2330	55	1013.3	1006.9	..	21.3	16.4	12.6	14.7	58	..	0.2	..	0.7	0	0	2	01	0	0	0	0	1	0	0	29	0
DOHAD	0830	333	1015.3	977.1	-0.5	20.8	14.9	9.7	12.2	49	- 9	0.7	-0.6	5.3	0	0	29	01	4	11	2	7	3	1	0	1	0
	1730	333	1010.6	973.9	-0.4	30.7	18.2	8.0	10.8	25	- 2	0.9	+0.2	7.2	0	0	28	07	4	3	0	1	1	10	2	2	0
VALLABH VIDYANAGAR	0830	44	1014.7	1009.6	..	18.8	15.6	13.2	15.2	71	..	1.0	..	2.4	0	0	22	02	10	4	3	0	0	2	1	8	0
	1730	44	1011.3	1006.4	..	32.0	21.7	15.3	17.6	37	..	0.9	..	2.3	0	0	24	01	4	0	1	0	1	4	13	6	0
BARODA AERODROME	0830	38	1014.9	1010.5	+0.0	22.2	16.8	12.7	14.8	56	+ 1	1.2	-0.1	2.3	0	0	13	02	2	4	3	2	0	0	0	17	0
	1130	38	1014.4	1010.2	..	31.3	21.1	14.4	16.7	37	..	1.0	..	5.3	0	0	24	04	4	6	5	2	0	1	1	6	1
	1730	38	1011.2	1007.0	-0.1	31.0	21.3	15.2	17.4	39	+ 5	1.1	-0.2	2.7	0	0	13	01	1	0	0	0	0	1	10	17	0
BARODA	0530	34	1012.8	1008.7	..	18.0	15.1	12.8	14.8	72	..	0.2	..	0.7	0	0	7	00	5	2	0	0	0	0	0	23	0
	0830	34	1014.8	1010.7	+0.0	21.3	16.5	12.8	14.9	59	- 9	0.4	-0.6	0.9	0	0	10	00	2	2	3	1	1	0	1	20	0
	1130	34	1014.7	1010.7	..	32.0	20.6	12.8	15.0	32	..	0.1	..	1.6	0	0	17	00	9	2	2	0	2	0	2	13	0
	1730	34	1011.2	1007.3	+0.1	31.6	20.9	13.8	16.0	34	-14	0.1	-1.0	1.1	0	0	13	01	1	1	0	0	0	0	10	17	0
	2330	34	1013.3	1009.2	..	21.6	17.4	14.4	16.5	64	..	0.1	..	0.2	0	0	2	01	1	0	0	0	0	0	0	28	0
BROACH	0830		..	..	..	..	..	..	..	..	..	0.8	-0.4	5.2	0	0	30	05	12	2	10	0	0	0	1	0	0
	1730		..	..	..	..	..	..	..	..	..	0.6	-0.6	5.2	0	0	30	02	12	2	7	2	1	1	3	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYNA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gram. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GUJARAT REGION (INCLUDING DAMAN)																											
SURAT	0530	12	1012.6	1011.2	..	20.0	17.0	14.9	16.9	73	..	0.2	..	4.9	0	0	28	00	16	0	12	0	0	0	0	2	0
	0830	12	1014.8	1013.4	+0.6	22.1	17.6	14.4	16.5	63	+ 4	1.1	-0.8	4.3	0	0	25	00	10	0	15	0	0	0	0	5	0
	1130	12	1014.8	1013.5	..	30.9	20.7	14.1	16.1	37	..	1.0	..	6.2	0	0	30	00	18	0	4	0	0	0	8	0	0
	1730	12	1011.2	1009.9	+0.6	31.5	21.9	16.5	18.5	41	+ 1	1.0	-1.1	5.3	0	0	30	00	4	0	1	0	5	0	20	0	0
	2330	12	1013.3	1011.9	..	23.2	19.4	16.9	19.5	69	..	0.4	..	5.7	0	0	30	00	26	0	3	0	0	0	1	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																											
NALIYA	0830	21	1014.6	1012.1	-0.6	19.7	18.4	17.5	20.0	88	+23	2.3	+0.7	3.7	0	0	21	06	11	0	1	2	0	0	1	9	0
	1730	21	1011.6	1009.2	-0.5	29.8	22.7	18.8	21.8	53	+21	1.3	-0.3	9.7	0	0	30	02	4	0	0	1	10	9	4	0	0
BHUJ (RUDRAMATA)	0230	80	1013.0	1003.7	..	20.7	17.6	15.3	17.6	73	..	0.2	..	1.9	0	0	6	01	0	0	0	0	3	2	0	24	0
	0530	80	1013.1	1003.7	..	19.1	17.0	15.3	17.6	80	..	0.1	..	1.6	0	0	6	01	0	0	0	0	5	0	0	24	0
	0830	80	1014.8	1005.5	-0.5	21.5	18.8	16.7	19.5	77	+22	1.0	+0.1	1.2	0	0	4	01	0	0	0	1	1	1	0	26	0
	1130	80	1014.9	1005.8	..	28.8	20.5	15.0	17.4	45	..	0.8	..	8.3	0	0	20	09	8	0	0	0	1	0	2	10	0
	1430	80	1011.9	1003.0	..	31.8	20.4	12.4	14.7	32	..	1.1	..	8.8	0	0	18	08	5	0	0	0	1	2	2	12	0
	1730	80	1011.2	1002.7	+0.1	31.3	20.1	11.9	14.5	32	+ 5	1.0	+0.1	12.0	0	0	26	12	3	0	1	0	3	5	2	4	0
	2030	80	1013.2	1004.0	..	26.0	18.9	14.0	16.1	49	..	0.1	..	5.0	0	0	12	02	1	0	0	0	1	4	4	18	0
	2330	80	1013.5	1004.3	..	22.8	18.1	14.5	16.9	62	..	0.2	..	3.2	0	0	9	03	0	0	0	0	2	3	1	21	0
KANDLA AERODROME	0830	35	1015.2	1011.1	..	22.8	18.3	15.1	17.4	64	..	0.8	..	10.8	0	1	26	07	1	0	0	0	1	1	17	3	0
	1130	35	1015.0	1011.0	..	30.0	19.6	12.1	14.3	34	..	0.7	..	12.3	0	2	28	05	3	4	3	0	1	2	12	0	0
	1730	35	1011.6	1007.7	..	31.2	20.1	12.4	14.5	33	..	1.0	..	12.7	0	0	30	07	0	0	5	6	6	0	6	0	0
NEW KANDLA	0830	14	1015.3	1013.6	-0.5	22.7	18.8	16.3	18.5	68	+ 8	1.6	-0.2	6.7	0	0	27	17	4	0	2	0	1	1	2	3	0
	1730	14	1012.0	1010.4	-0.6	30.4	21.1	15.0	17.4	41	+ 1	1.7	-0.3	8.2	0	1	27	06	3	1	1	7	9	1	0	2	0
MANDVI	0830	9	1015.2	1014.1	+0.2	22.0	18.8	16.6	19.1	74	+13	1.7	+0.2	8.3	0	0	29	15	4	0	0	0	0	1	9	1	0
	1730	9	1012.2	1011.1	-0.1	27.5	22.9	20.3	24.1	66	+ 4	2.0	+0.6	18.7	0	14	16	00	0	0	0	0	2	27	1	0	0
SURENDRANAGAR	0830	74	1014.9	1006.3	-0.4	24.7	18.8	14.7	16.9	55	+ 6	0.4	-0.5	5.9	0	0	23	07	3	0	0	0	0	0	13	6	0
	1730	74	1012.3	1002.7	-0.7	32.7	20.9	13.1	15.1	31	+ 5	1.8	+0.5	6.3	0	0	23	08	1	2	0	0	1	1	10	7	0
OKHA	0530	7	1013.2	1012.4	..	24.7	22.1	20.7	24.4	79	..	0.3	..	13.7	0	6	24	15	3	1	0	1	1	2	7	0	0
	0830	7	1015.1	1014.3	..	25.0	22.1	20.5	24.1	77	..	1.6	..	13.2	0	5	25	14	6	1	1	2	0	1	5	0	0
	1130	7	1015.6	1014.8	..	26.5	22.7	20.6	24.4	71	..	1.3	..	13.3	0	2	28	17	2	4	0	0	0	1	6	0	0
	1730	7	1012.5	1011.7	..	26.7	23.0	21.1	25.0	72	..	0.8	..	17.9	0	11	19	03	0	0	0	0	0	6	21	0	0
	2330	7	1014.1	1013.3	..	25.5	22.7	21.4	25.3	78	..	0.0	..	18.7	0	13	17	09	0	0	0	0	0	3	18	0	0
JAMNAGAR AERODROME	0530	20	1012.8	1010.4	..	19.1	17.4	16.1	18.5	84	..	0.3	..	2.5	0	0	8	02	1	0	0	0	2	2	1	22	0
	0830	20	1014.6	1012.3	+0.0	22.0	19.1	17.2	19.7	75	+14	1.0	-0.5	4.7	0	0	16	07	1	2	0	1	3	1	1	14	0
	1130	20	1014.8	1012.5	..	28.8	21.4	16.8	19.5	50	..	0.9	..	13.1	0	0	30	09	11	3	0	0	1	1	5	0	0
	1730	20	1011.3	1009.1	-0.2	29.6	20.5	14.6	16.7	41	+ 5	1.2	+0.1	14.6	0	3	27	10	9	0	0	0	0	2	9	0	0
	2330	20	1013.4	1011.1	..	23.5	20.4	18.5	21.4	75	..	0.2	..	3.9	0	0	15	07	2	0	0	0	0	4	2	15	0
DWARKA	0830	11	1014.8	1013.5	-0.1	23.9	21.5	20.2	23.7	80	+12	3.3	+2.0	8.2	0	4	25	20	3	2	0	0	1	1	1	1	1
	1730	11	1012.5	1011.2	+0.7	27.3	23.1	20.9	24.9	69	+18	0.9	-0.2	16.4	0	8	22	08	1	0	0	0	0	2	9	0	10
RAJKOT	0530	138	1013.1	997.2	..	19.0	14.9	11.2	13.7	62	..	0.1	..	5.5	0	0	17	00	2	1	1	1	2	4	5	13	1
	0830	138	1014.9	999.0	+0.1	22.2	17.7	14.2	16.6	64	+14	0.1	-1.1	5.3	0	0	19	02	5	1	1	0	1	1	3	11	5
	1130	138	1014.4	998.9	..	30.4	20.1	13.0	15.3	36	..	0.1	..	14.0	0	7	22	07	13	0	1	0	1	1	4	1	2
	1430	138	1011.2	996.0	..	32.9	20.3	11.1	13.6	27	..	0.4	..	11.5	0	4	26	07	6	0	3	0	2	2	7	0	3
	1730	138	1010.8	995.5	+0.1	32.1	19.9	10.7	13.4	28	+ 4	0.5	-0.9	16.1	0	10	20	08	4	0	2	0	0	2	14	0	0
BHAVNAGAR AERODROME	0830	11	1014.9	1013.7	+0.1	23.0	16.7	11.6	13.9	50	+ 0	0.9	-0.6	9.0	0	1	24	03	0	0	0	0	0	5	17	5	0
	1130	11	1015.0	1013.8	..	29.0	20.2	14.2	16.5	42	..	0.9	..	14.1	0	6	24	05	20	4	1	0	0	0	0	0	0
	1730	11	1011.4	1010.2	+0.1	31.1	19.9	12.0	14.1	32	+ 1	1.3	-0.4	14.3	0	4	26	01	4	14	10	1	0	0	0	0	0
PORBANDER AERODROME	0830	7	1014.7	1013.9	+0.2	23.5	20.0	17.6	20.5	71	+ 8	0.6	-0.3	4.7	0	0	17	07	1	0	3	0	0	0	6	13	0
	1130	7	1014.5	1013.7	..	31.5	21.9	15.6	18.5	41	..	0.7	..	10.1	0	3	23	04	8	2	0	1	1	2	5	4	3
	1730	7	1011.4	1010.6	-0.1	29.7	23.0	19.1	22.7	56	+ 2	1.1	-0.5	20.7	0	17	13	00	0	0	0	0	4	24	2	0	0
KESHOD	0830	51	1014.7	1008.8	+0.0	23.4	17.7	13.3	15.7	55	+ 2	0.7	-0.6	10.9	0	8	30	08	21	0	0	0	0	0	1	0	0
	1130	51	1014.6	1008.9	..	31.6	19.2	9.5	12.2	27	..	0.6	..	13.9	0	4	26	13	11	3	0	0	0	1	1	0	1
	1730	51	1010.6	1004.9	-0.7	32.5	19.6	9.9	12.3	26	- 7	1.1	-0.5	15.3	0	2	28	04	0	2	1	3	4	8	8	0	0
MAHUVA	0830	9	1013.9	1012.9	..	22.8	18.2	14.7	17.1	63	..	1.4	..	0.8	0	0	12	04	2	1	1	1	0	0	3	18	0
	1730	9	1010.9	1009.9	..	29.9	22.9	18.9	22.1	53	..	1.0	..	1.5	0	0	21	00	0	6	11	3	1	0	0	9	0
VERAVAL	0230	8	1012.6	1011.7	..	21.1	19.0	17.6	20.2	81	..	0.2	..	6.3	0	0	19	11	7	0	0	0	0	0	1	11	0
	0530	8	1012.3	1011.4	..	20.0	17.9	16.4	16.8	81	..	0.1	..	9.3	0	0	28	15	12	1	0	0	0	0	0	2	0
	0830	8	1014.2	1013.3	+0.2	22.9	19.4	17.0	19.7	71	+20	1.4	-0.1	9.2	0	1	27	10	17	0	0	0	0	0	1	2	0
	1130	8	1014.3	1013.4	..	31.2	24.4	20.9	25.0	55	..	1.3	..	12.7	0	8	21	05	4	3	1	5	5	4	2	1	0
	1430	8	1011.6	1010.7	..	30.4	26.1	24.2	30.4	69	..	1.7	..	19.3	0	17	13	00	0	0	1	6	10	9	4	0	0
	1730	8	1011.4	1010.5	+0.6	28.3	25.3	24.1	29.8	78	+13	1.7	+0.2	16.6	0	10	20	00	0	0	1	4	7	11	7	0	0
	2030	8	1013.3	1012.4	..	26.1	24.0	23.0	28.3	83	..	0.5	..	5.8	0	1	18	03	0	1	1	1	3	1	9	11	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS -

NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYNA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VERAVAL	2330	8	1013.5	1012.7	..	23.4	21.4	20.3	23.8	83	..	0.6	..	4.5	0	1	15	07	4	1	0	0	0	1	3	14	0
DIU	0830	15	1015.2	1013.4	..	24.1	18.2	14.0	16.1	55	..	1.9	..	6.1	0	0	29	12	11	1	0	0	0	0	5	1	0
	1730	15	1012.2	1010.4	..	28.0	23.2	20.8	24.6	65	..	2.0	..	10.1	0	5	25	00	0	4	9	6	8	3	0	0	0
KONKAN (INCLUDING GOA)																											
DAHANU	0830	5	1014.0	1013.5	+0.8	22.4	19.2	17.2	19.6	72	+ 4	.	..	6.7	0	0	21	02	0	5	11	1	0	0	2	0	0
	1730	5	1010.8	1010.3	+0.3	28.4	24.4	22.5	27.3	71	+ 0	.	..	9.4	0	0	18	07	0	0	0	0	0	0	11	0	0
BOMBAY (SANTACRUZ)	0230	14	1011.7	1010.0	+0.0	21.6	19.0	17.5	19.9	78	+ 7	0.8	-0.7	4.3	0	0	15	00	7	7	1	0	0	0	0	15	0
	0530	14	1011.8	1010.1	..	21.1	18.4	16.6	19.0	76	..	0.6	..	6.9	0	0	22	02	11	9	0	0	0	0	0	8	0
	0830	14	1013.9	1012.2	+0.4	24.8	19.5	16.2	18.3	60	- 1	1.7	-0.4	5.1	0	0	21	00	5	14	2	0	0	0	0	9	0
	1130	14	1013.6	1011.9	..	31.5	20.9	13.8	16.0	35	..	1.5	..	9.8	0	1	25	02	2	8	6	3	0	3	2	4	0
	1430	14	1010.8	1009.2	..	32.5	22.0	15.5	17.8	38	..	1.6	..	13.7	0	0	30	00	1	1	2	0	1	12	13	0	0
	1730	14	1010.7	1009.1	+0.3	29.1	22.0	18.0	20.6	52	- 1	1.9	-0.2	12.1	0	1	29	03	0	0	0	0	0	3	24	0	0
	2030	14	1012.5	1010.8	..	25.7	21.4	18.9	22.0	67	..	0.4	..	6.5	0	0	19	09	0	0	0	0	0	0	10	11	0
	2330	14	1012.9	1011.2	..	22.8	19.7	17.7	20.5	73	..	0.3	..	1.7	0	0	8	00	7	1	0	0	0	0	0	22	0
BOMBAY	0830	11	1013.7	1012.5	+0.8	24.4	21.4	19.7	23.1	75	+ 2	1.4	-0.	9.0	0	0	29	01	13	13	2	0	0	0	0	1	0
	1130	11	1013.7	1012.5	..	29.8	22.3	18.0	20.8	50	..	1.3	..	5.4	0	0	26	02	8	8	3	1	0	0	1	4	3
	1730	11	1010.6	1009.4	+0.5	28.4	23.2	20.5	24.1	62	- 5	1.6	-0.4	10.7	0	0	30	04	0	0	0	0	0	6	20	0	0
ALIBAG	0830	7	1013.6	1012.8	+0.5	24.3	21.6	20.1	23.5	77	+ 8	1.9	+0.0	3.5	0	0	16	01	2	11	2	0	0	0	0	14	0
BHIRA	0830	96	1013.3	1002.3	..	22.8	19.3	17.1	19.5	75	..	1.4	..	3.7	0	0	16	00	2	11	1	1	0	1	0	14	0
	1730	96	1009.4	998.7	..	30.3	25.0	22.5	27.3	64	..	1.3	..	1.7	0	0	20	00	0	0	5	4	10	1	0	10	0
HARNAI	0830	20	1013.3	1011.0	+0.6	26.8	19.8	15.0	17.4	49	-11	2.0	-0.6	7.1	0	2	17	00	2	7	5	4	0	1	0	11	0
	1730	20	1010.4	1008.1	+0.5	28.9	23.3	20.4	24.1	61	- 8	2.0	-0.8	17.3	0	12	18	05	0	0	0	0	0	5	20	0	0
RATNAGIRI	0830	35	1013.6	1009.5	+0.7	24.9	19.9	16.6	19.3	62	- 3	2.7	+0.1	6.5	0	0	28	00	0	10	10	0	0	0	0	2	8
	1730	35	1010.0	1006.1	+0.3	29.5	24.0	21.3	25.3	62	- 3	2.6	-0.3	6.3	0	0	30	02	0	0	1	0	0	14	13	0	0
DEVGARH	0830	36	1013.4	1009.3	+0.7	24.4	20.3	17.9	20.5	67	- 4	2.2	-0.7	6.6	0	0	29	00	6	20	0	3	0	0	0	1	0
	1730	36	1009.6	1005.6	+0.1	30.1	23.9	20.7	24.6	58	- 8	2.3	-0.8	17.0	0	6	24	00	0	1	0	0	0	12	17	0	0
VENGURLA	0230	9	1011.7	1010.7	..	21.5	20.1	19.2	22.4	87	..	0.5	..	1.3	0	0	10	10	0	0	0	0	0	0	0	20	0
	0530	9	1011.7	1010.7	..	20.3	19.1	18.4	21.1	89	..	0.7	..	2.1	0	0	13	10	1	2	0	0	0	0	0	17	0
	0830	9	1013.9	1012.9	+0.9	24.3	20.3	17.9	20.5	68	- 6	1.4	-2.0	1.7	0	0	12	08	2	1	0	0	0	0	1	18	0
	1130	9	1013.2	1012.2	..	31.8	21.8	15.6	17.9	38	..	1.7	..	5.0	0	0	25	00	5	6	7	0	1	3	3	5	0
	1730	9	1010.0	1009.0	+0.3	29.4	23.4	20.3	23.8	59	- 5	2.1	-1.8	5.1	0	0	29	02	1	0	0	0	4	21	1	1	0
	2330	9	1012.4	1011.4	..	22.9	21.1	20.0	23.5	84	..	0.7	..	2.7	0	0	15	13	1	1	0	0	0	0	0	15	0
PANJIM	0530	60	1010.8	1004.3	..	22.0	20.2	19.1	22.2	84	..	2.7	..	8.7	0	0	30	00	11	19	0	0	0	0	0	0	0
	0830	60	1012.9	1006.5	..	23.7	20.0	17.8	20.4	70	..	3.6	..	7.7	0	0	28	01	12	15	0	0	0	0	0	2	0
	1130	60	1012.3	1006.0	..	30.7	21.[illegible]	14.8	16.9	39	..	3.5	..	7.5	0	0	30	02	7	14	6	0	0	0	1	0	0
	1430	60	1009.1	1002.8	..	32.0	22.0	1[illegible].8	18.3	39	..	3.9	..	12.8	0	3	26	01	4	2	0	0	15	6	1	1	0
	1730	60	1009.0	1002.7	..	29.1	22.4	1[illegible]	21.6	54	..	4.0	..	10.3	0	1	29	00	1	1	0	0	7	16	5	0	0
	2030	60	1011.1	1004.7	..	26.2	22.3	20.2	23.8	70	..	2.7	..	5.8	0	0	27	11	7	0	0	0	0	0	9	3	0
	2330	60	1011.5	1005.1	..	24.6	21.8	20.3	23.8	77	..	2.0	..	6.5	0	0	28	04	17	6	0	0	0	0	1	2	0
MORMUGAO	0530	62	1010.7	1003.7	..	24.0	20.9	19.0	22.1	74	..	2.3	..	10.6	0	0	30	00	3	24	3	0	0	0	0	0	0
	0830	62	1012.9	1005.8	+0.4	26.2	20.5	17.0	19.5	57	-12	3.4	+0.3	11.1	0	2	28	00	5	21	4	0	0	0	0	0	0
	1130	62	1012.4	1005.5	..	30.5	21.5	15.9	18.3	42	..	3.5	..	9.9	0	2	28	02	8	11	2	1	4	1	1	0	0
	1730	62	1009.0	1002.1	+0.1	29.0	22.9	19.7	22.9	58	- 7	3.6	+0.3	14.3	0	5	25	01	1	0	0	0	4	16	8	0	0
DABOLIM (NAVAL AIR STN.)	0530	52	1011.2	1005.3	..	22.9	19.4	17.2	19.7	71	..	1.8	..	..	.	..	..	00	2	15	8	0	0	0	0	5	0
	0830	52	1013.6	1007.7	..	26.3	19.9	15.8	18.1	53	..	3.4	..	..	.	..	..	00	2	16	12	0	0	0	0	0	0
	1130	52	1012.9	1007.2	..	30.9	21.5	15.8	18.1	40	..	3.5	..	..	.	..	..	00	2	5	9	4	3	3	0	0	4
	1730	52	1009.6	1003.8	..	29.3	22.6	18.8	21.8	54	..	3.6	..	..	.	..	..	03	1	1	0	0	0	12	13	0	[illegible]
	2330	52	1012.0	1006.1	..	25.3	22.2	20.5	24.1	75	..	2.0	..	..	.	..	..	00	16	4	[illegible]	0	0	0	[illegible]	[illegible]	[illegible]
MADHYA MAHARASHTRA																											
NANDURBAR	0830	206	(R)																								
	1730	206	(R)																								
JALGAON	0830	201	1015.1	991.9	+0.2	20.5	14.3	8.6	11.2	46	-15	1.2	-0.3	6.4	0	0	27	00	2	15	7	0	1	2	[illegible]	[illegible]	0
	1730	201	1010.3	988.0	-0.5	31.5	18.6	8.0	10.9	24	- 6	1.1	-0.7	5.3	0	0	25	00	3	6	2	0	2	7	[illegible]	[illegible]	0
MALEGAON	0830	437	1015.2	965.5	+0.2	21.3	14.8	9.2	11.5	47	-10	1.2	-0.4	1.7	0	0	18	01	0	0	0	4	1	0	[illegible]	[illegible]	0
	1730	437	1010.3	962.5	+0.8	31.0	18.3	7.8	10.7	24	-10	1.9	-0.4	4.5	0	0	25	04	10	4	0	2	2	1	[illegible]	[illegible]	0
OZAR	0530	608	1014.4	944.8	..	14.8	11.6	8.7	11.3	67	..	0.8	..	3.0	0	0	12	01	0	2	0	0	1	[illegible]	3	1[illegible]	0
	0830	608	1015.2	946.8	..	20.3	14.5	10.0	12.3	52	..	2.3	..	3.1	0	0	16	03	6	3	1	0	0	0	[illegible]	1[illegible]	0
	1130	608	1013.0	946.5	..	28.5	19.0	13.0	15.1	39	..	1.6	..	10.4	0	1	28	00	2	10	13	4	0	0	[illegible]	1	0
	1430	608	1009.4	943.6	..	30.3	19.6	12.4	15.0	34	..	2.4	..	10.9	0	3	26	01	5	4	1[illegible]	2	2	3	[illegible]	[illegible]	0
	1730	608	1009.5	943.3	..	29.0	18.6	11.6	13.8	35	..	2.5	..	9.0	0	3	21	00	1	6	5	2	[illegible]	3	[illegible]	[illegible]	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD.)																											
AHMADNAGAR	0830	657	1015.5	942.4	+1.5	22.3	14.9	9.1	11.5	44	-15	1.0	-1.3	3.7	0	0	19	00	0	0	12	0	5	0	2	11	0
	1730	657	1009.5	938.3	+0.6	29.3	17.7	9.1	11.8	29	-11	2.7	+0.1	5.9	0	0	22	00	18	0	4	0	0	0	0	8	0
POONA AERODROME	0230	593	1013.1	945.8	..	19.0	15.0	12.0	14.1	65	..	0.5	..	1.6	0	0	8	00	0	3	0	0	0	5	0	22	0
	0530	593	1013.6	946.2	..	17.4	14.2	11.6	13.8	71	..	0.6	..	4.1	0	0	11	01	4	0	0	0	0	4	2	19	0
	0830	593	1015.0	948.2	..	20.4	15.4	11.6	13.8	58	..	1.9	..	5.9	0	1	17	00	6	8	1	0	0	3	0	12	0
	1130	593	1012.7	947.8	..	28.4	18.3	11.3	13.7	35	..	1.6	..	16.9	0	12	16	00	3	23	0	2	0	0	0	2	0
	1730	593	1009.1	944.6	..	29.3	18.2	10.5	12.8	31	..	2.6	..	9.6	0	2	22	00	1	18	1	0	1	2	0	6	1
	2330	593	1013.4	946.7	..	20.6	15.6	11.5	14.1	57	..	0.8	..	6.4	0	0	23	00	0	5	1	0	0	15	2	7	0
POONA	0530	559	1014.9	950.5	..	14.2	12.5	11.0	13.2	81	..	0.6	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	0830	559	1015.8	952.5	+0.3	19.6	15.3	12.1	14.3	63	- 2	1.7	-0.6	0.3	0	0	1	00	0	1	0	0	0	0	0	29	0
	1130	559	1013.3	951.9	..	28.0	18.0	11.0	13.3	35	..	1.9	..	5.9	0	0	25	00	2	14	8	0	0	0	1	5	0
	1430	559	1009.8	948.9	..	30.0	18.1	9.7	12.0	29	..	3.0	..	5.6	0	0	24	01	1	17	2	1	1	0	1	6	0
	1730	559	1009.8	948.7	+0.9	28.6	17.9	10.4	12.7	33	- 6	3.2	+0.2	1.1	0	0	7	00	0	3	1	0	2	0	1	23	0
	2030	559	1013.3	950.6	..	21.9	15.9	11.6	13.7	52	..	1.3	..	0.9	0	0	4	00	0	0	1	0	1	2	0	26	0
	2330	559	1014.6	951.0	..	17.8	14.0	11.1	13.2	65	..	0.8	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
JEUR	0830	521	1015.3	956.5	+0.8	21.5	15.1	10.2	12.5	49	-12	1.7	-0.5	3.3	0	0	30	11	0	9	1	8	1	0	0	0	0
	1730	521	1009.0	952.7	+0.6	30.0	17.9	9.1	11.7	28	-12	2.0	+0.3	4.5	0	1	29	03	5	12	4	5	0	1	0	0	0
BARAMATI	0830	551	1015.3	953.5	+0.5	21.8	16.1	12.0	14.1	54	-13	1.0	-1.7	5.5	0	0	25	00	1	9	6	2	0	4	3	5	0
	1730	551	1009.8	949.9	+0.6	29.9	19.3	12.6	14.6	35	- 8	1.8	-1.6	7.3	0	0	30	00	0	13	9	4	1	2	1	0	0
SHOLAPUR	0530	479	1013.8	959.3	..	18.9	14.2	10.4	12.8	59	..	0.6	..	4.7	0	0	21	00	4	3	11	0	2	0	1	9	0
	0830	479	1015.6	961.8	+1.5	23.8	17.1	12.4	14.6	49	- 8	1.0	-1.6	5.1	0	0	25	00	8	1	14	0	1	0	1	4	0
	1130	479	1013.5	960.8	..	28.7	18.7	12.1	14.3	37	..	1.4	..	9.9	0	1	29	00	3	2	18	5	1	1	0	0	0
	1430	479	1009.9	957.6	..	30.7	18.5	10.1	12.3	29	..	2.2	..	11.1	0	6	22	01	13	0	11	0	1	0	2	2	0
	1730	479	1010.0	957.5	+1.1	29.7	18.3	10.3	12.7	30	- 6	1.8	-1.4	7.4	0	0	30	00	16	3	7	1	1	0	2	0	0
	2330	479	1013.5	959.6	..	22.7	15.5	9.9	12.3	45	..	0.5	..	7.5	0	2	20	00	4	4	13	0	0	0	1	8	0
MIRAJ	0830	554	1015.1	952.9	+1.3	21.3	17.3	14.2	16.8	65	+ 0	2.8	+0.0	..	.	..	..	00	0	1	0	0	0	0	0	29	0
	1730	554	1009.1	948.8	+0.9	29.5	21.2	16.5	19.0	47	+ 5	3.4	+0.1	..	.	..	..	00	0	2	0	0	0	2	0	26	0
KOLHAPUR	0530	570	1013.3	948.6	..	17.2	14.1	11.7	13.8	71	..	0.6	..	2.9	0	0	14	00	2	8	0	0	0	2	2	16	0
	0830	570	1014.8	950.7	+0.6	20.7	15.7	11.9	14.2	58	- 8	1.8	-0.8	3.7	0	0	20	00	10	10	0	0	0	0	0	10	0
	1130	570	1012.9	950.3	..	27.4	18.3	12.2	14.4	40	..	1.8	..	13.2	0	5	24	00	8	18	3	0	0	0	0	1	0
	1730	570	1008.7	946.7	+0.2	29.3	18.0	9.9	12.3	31	-10	2.4	-1.0	9.7	0	0	30	00	8	21	1	0	0	0	0	0	0
	2330	570	1012.7	949.0	..	21.5	15.7	11.1	13.6	54	..	0.9	..	4.8	0	0	23	00	16	7	0	0	0	0	0	7	0
MARATHWADA																											
AURANGABAD	0830	581	1015.7	950.7	+0.8	22.8	15.0	8.7	11.4	41	-15	1.4	-0.9	2.6	0	0	14	00	2	11	0	0	0	1	0	16	0
	1730	581	1010.5	947.2	+0.6	29.1	17.0	7.7	10.6	26	-12	2.9	+0.2	4.7	0	1	18	02	4	4	0	2	0	6	1	11	0
AURANGABAD (CHIKALTHAN)	0230	579	1014.1	947.8	..	15.2	11.2	7.5	10.4	60	..	1.1	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	0530	579	1015.0	948.2	..	13.6	10.2	6.9	10.0	64	..	1.1	..	0.2	0	0	1	00	0	0	0	0	0	1	0	29	0
	0830	579	1015.2	950.2	+0.1	21.9	15.4	10.6	12.8	49	- 6	1.6	-0.2	2.2	0	0	8	01	1	2	2	0	0	1	1	22	0
	1130	579	1013.4	949.9	..	28.4	19.1	13.1	15.3	40	..	1.5	..	11.1	0	1	26	00	3	6	8	2	4	2	2	3	0
	1430	579	1009.9	946.9	..	30.1	19.6	12.9	15.1	36	..	2.9	..	10.9	0	0	27	01	6	11	2	2	3	1	1	3	0
	1730	579	1009.8	946.6	-0.2	28.9	18.9	12.4	14.5	37	- 3	2.6	+0.1	8.1	0	0	21	03	1	8	3	0	4	1	1	9	0
	2030	579	1013.8	948.6	..	20.5	14.3	9.2	11.8	49	..	1.6	..	2.3	0	0	7	04	1	0	1	0	0	1	0	23	0
	2330	579	1014.7	948.7	..	17.2	12.2	7.8	10.6	54	..	1.3	..	0.9	0	0	3	01	0	0	0	0	0	0	2	27	0
PARBHANI	0830	423	1015.9	968.0	+0.4	21.7	15.2	9.5	12.0	46	- 9	1.1	-1.0	2.7	0	0	23	03	6	3	4	0	2	3	2	7	0
	1730	423	1010.9	964.3	+0.3	29.4	17.7	7.6	10.8	27	-10	2.3	+0.4	6.4	0	0	24	01	5	13	3	1	0	0	1	6	0
NANDER	0830	358	1015.8	975.0	..	22.4	16.9	12.5	14.8	54	..	0.8	..	1.8	0	0	13	00	6	1	4	1	0	0	1	17	0
	1730	358	1011.3	971.5	..	29.1	19.1	11.6	13.9	34	..	1.1	..	1.7	0	0	12	00	8	0	3	0	0	0	1	18	0
BIR	0830	519	1015.9	957.4	..	22.0	16.3	12.4	14.4	55	..	1.0	..	1.4	0	0	11	00	2	1	2	3	3	0	0	19	0
	1730	519	1010.6	953.6	..	28.4	19.2	13.3	15.5	40	..	1.0	..	3.2	0	0	20	00	20	0	0	0	0	0	0	10	0
VIDARBHA																											
GONDIA	0830	313	1016.1	980.2	-0.1	21.1	16.6	13.2	15.3	61	- 6	1.2	-0.5	1.0	0	0	11	03	2	1	4	1	0	0	0	19	0
	1730	313	1011.7	976.8	+0.0	27.9	18.7	11.9	14.1	38	- 4	1.4	-0.6	0.9	0	0	13	02	2	1	0	1	6	0	1	17	0
NAGPUR (SONEGAON)	0230	310	1013.6	977.7	..	17.1	13.8	11.0	13.1	68	..	0.4	..	2.3	0	0	18	02	2	1	1	0	1	2	9	12	0
	0530	310	1014.4	978.2	..	15.3	12.9	10.8	12.9	74	..	0.5	..	2.2	0	0	17	09	0	0	2	0	0	1	5	13	0
	0830	310	1016.1	980.6	+0.1	21.3	15.9	11.6	13.7	54	- 5	1.7	-0.2	3.1	0	0	26	09	10	5	2	0	0	0	0	4	0
	1130	310	1014.1	979.6	..	29.4	19.2	11.6	13.9	34	..	1.4	..	4.7	0	0	27	00	3	5	5	4	5	4	0	3	1
	1430	310	1010.8	976.5	..	30.9	19.0	9.7	12.3	28	..	2.8	..	5.5	0	0	25	04	4	5	6	3	1	0	2	5	0
	1730	310	1011.4	976.7	-0.2	27.4	18.3	11.3	13.7	38	- 5	2.5	+0.3	3.3	0	0	23	00	1	14	4	3	1	0	0	7	0
	2030	310	1014.0	978.5	..	20.6	15.5	11.4	13.5	56	..	0.6	..	2.6	0	0	20	00	1	8	8	1	2	0	0	10	0
	2330	310	1014.3	978.5	..	18.9	14.7	11.1	13.4	61	..	0.7	..	2.7	0	0	18	02	3	3	1	0	2	0	7	12	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER,1967. (KARTIKA 10 - AGRAHAYNA 9,1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA(CONTD)																											
AMRAOTI	0830	370	1015.2	973.4	+0.3	23.7	15.6	8.3	11.2	38	-10	1.0	-1.1	2.7	0	0	28	03	11	7	2	1	1	1	2	2	0
	1730	370	1010.9	969.9	+0.0	29.8	17.1	5.5	9.2	22	-11	1.6	-0.9	4.8	0	0	30	03	2	5	6	2	4	4	4	0	0
AKOLA AERODROME	0530	309	1013.4	977.6	..	16.9	11.9	6.8	9.9	52	..	1.2	..	4.6	0	0	29	01	5	15	3	2	1	2	0	1	0
	0830	309	1015.2	979.9	..	21.6	14.2	7.2	10.2	41	..	2.0	..	5.4	0	0	28	01	6	12	3	3	2	0	1	2	0
	1130	309	1013.9	979.5	..	29.5	17.8	7.9	10.9	26	..	2.1	..	4.5	0	0	27	02	5	5	6	3	0	4	2	3	0
	1430	309	1010.1	976.1	..	31.9	18.1	6.0	9.5	20	..	2.9	..	6.0	0	0	29	04	5	5	3	1	1	4	6	1	0
	1730	309	1010.2	976.0	..	30.1	17.4	6.3	9.5	23	..	2.9	..	4.4	0	0	28	07	11	2	1	0	0	2	5	2	0
	2030	309	1012.4	977.5	..	25.0	15.2	5.8	9.3	29	..	1.8	..	4.9	0	0	30	03	5	15	4	1	0	0	2	0	0
	2330	309	1013.1	977.7	..	21.6	13.7	5.9	9.3	37	..	1.3	..	5.7	0	0	28	01	5	9	10	1	1	1	0	2	0
AKOLA	0830	282	1015.6	983.2	+0.5	20.9	14.7	9.1	11.7	47	-12	1.6	-0.4	1.8	0	0	23	00	7	2	12	0	1	0	1	7	0
	1730	282	1010.4	979.3	+0.3	31.1	18.8	9.0	11.7	26	- 9	1.8	-0.2	1.9	0	0	24	00	13	2	1	1	1	0	6	6	0
BRAMHAPURI	0830	229	1016.3	989.8	-0.1	19.9	16.7	14.3	16.4	70	- 3	1.2	-1.0	2.9	0	0	29	08	4	4	6	4	0	1	2	1	0
	1730	229	1011.9	986.3	-0.2	28.9	18.8	11.0	13.5	33	- 9	1.5	-0.9	3.7	0	0	29	03	7	6	6	5	1	0	1	1	0
BULDANA	0830	650	1014.9	942.4	+0.3	22.1	15.5	10.2	12.8	49	- 5	1.2	-0.8	9.9	0	0	27	01	0	0	1	17	6	0	2	3	0
	1730	650	1010.1	939.3	+0.1	28.0	17.9	10.9	13.1	35	- 6	2.9	+0.8	4.3	0	0	29	00	11	1	1	0	2	0	14	1	0
YEOTMAL	0830	451	1015.1	964.4	+0.2	24.1	16.5	10.9	12.6	42	-11	1.5	-0.8	5.7	0	0	28	01	1	5	7	5	5	2	2	2	0
	1730	451	1011.0	961.2	+0.1	28.3	17.1	7.5	10.4	27	-15	2.4	+0.0	3.9	0	0	27	02	11	7	0	0	3	1	3	3	0
CHANDRAPUR	0830	193	1015.5	993.1	+0.0	20.3	17.1	14.8	16.9	71	- 1	1.3	-0.9	2.4	0	0	21	01	4	9	5	2	0	0	0	9	0
	1730	193	1011.3	989.6	+0.3	28.6	19.7	13.4	15.7	40	-13	2.3	-0.1	2.7	0	0	28	00	10	14	3	0	1	0	0	2	0
PUSAD	0830	334	1016.8	978.4	..	19.6	14.9	10.9	13.1	58	..	1.9	..	2.3	0	0	22	00	1	0	0	0	2	3	16	8	0
	1730	334	1011.2	974.3	..	30.8	19.4	10.7	13.2	30	..	4.0	..	3.5	0	0	24	00	10	3	8	0	3	0	0	6	0
SIRONCHA	0830	123	1016.6	1002.3	+1.1	21.8	18.6	16.5	18.9	72	- 5	1.5	-1.0	1.1	0	0	15	01	1	1	11	0	0	0	1	15	0
	1730	123	1012.0	998.1	+0.6	29.0	20.2	14.3	16.5	41	-10	1.2	-1.6	0.6	0	0	9	01	0	3	5	0	0	0	0	21	0
WARDHA	0830	283	1015.5	983.2	..	23.0	16.4	11.0	13.3	47	..	1.4	..	2.9	0	0	28	09	10	4	2	0	1	0	2	2	0
	1730	283	1011.0	979.5	..	29.5	18.1	8.8	11.5	29	..	3.0	..	3.4	0	0	30	01	5	10	7	2	2	1	2	0	0
BHANDARA	0830		..	..	..	21.6	17.3	14.1	16.3	62	..	.	..	1.1	0	0	13	01	5	1	1	2	0	1	0	17	2
	1730		..	..	..	29.0	19.4	12.4	14.7	37	..	.	..	2.3	0	0	22	00	9	4	3	1	2	0	0	8	3
COASTAL ANDHRA PRADESH																											
KALINGAPATAM	0830	6	1016.0	1015.3	+1.9	24.0	20.8	19.0	22.0	74	- 7	0.9	-2.7	6.1	0	0	30	12	0	0	0	1	0	0	11	0	6
	1730	6	1012.5	1011.8	+1.3	26.1	21.2	18.4	21.3	63	- 5	0.9	-2.9	9.6	0	0	30	01	4	0	6	8	2	0	2	0	7
VISHAKHAPATNAM	0230	3	1013.3	1012.9	..	20.9	19.4	18.5	21.3	86	..	0.9	..	0.3	0	0	3	00	0	0	0	0	0	0	3	27	0
	0530	3	1013.8	1013.4	..	20.0	18.7	17.8	20.5	87	..	1.6	..	0.6	0	0	4	01	0	0	0	0	0	2	1	26	0
	0830	3	1015.9	1015.5	+2.0	25.6	21.0	18.3	21.1	65	- 3	1.8	-1.7	5.1	0	0	27	01	5	1	0	0	0	4	16	3	0
	1130	3	1014.7	1014.3	..	29.8	21.7	16.8	19.4	47	..	2.8	..	12.9	0	7	22	00	3	8	12	2	3	0	0	1	1
	1430	3	1012.0	1011.6	..	29.7	21.9	17.3	20.0	49	..	2.4	..	19.3	0	16	14	00	0	11	16	2	1	0	0	0	0
	1730	3	1012.7	1012.3	+1.7	26.6	21.4	18.3	21.3	61	-12	2.6	-1.1	10.3	0	0	30	00	0	12	16	1	1	0	0	0	0
	2030	3	1014.8	1014.4	..	23.9	20.9	19.2	22.2	75	..	1.1	..	2.3	0	0	16	02	1	6	1	0	0	2	4	14	0
	2330	3	1014.4	1014.0	..	22.1	20.1	18.9	21.8	82	..	1.1	..	0.9	0	0	7	01	0	0	0	0	0	0	6	23	0
KAKINADA	0830	8	1015.8	1014.9	+2.0	26.5	21.7	19.0	22.1	64	- 7	2.2	-1.2	8.2	0	0	30	02	18	1	0	0	0	0	9	0	0
	1730	8	1012.2	1011.3	+1.6	27.2	22.0	18.9	22.2	61	- 8	2.0	-1.6	11.4	0	0	30	00	4	7	19	0	0	0	0	0	0
NIDADAVOLE	0830	12	1016.0	1014.6	+1.1	23.9	20.9	19.2	22.2	75	- 4	1.3	-2.8	3.5	0	0	30	20	8	2	0	0	0	0	0	0	0
	1730	12	1012.2	1010.8	+0.7	27.3	22.8	20.4	24.1	67	+ 1	2.4	-2.5	3.5	0	0	30	01	0	25	0	4	0	0	0	0	0
RENTACHINTALA	0830	106	1015.6	1003.3	+1.6	23.9	20.4	18.8	21.0	74	+ 0	1.8	-2.2	0.2	0	0	3	00	0	1	0	1	0	1	0	27	0
	1730	106	1011.1	999.2	+1.2	29.0	21.1	16.2	18.5	47	- 3	2.0	-2.4	0.1	0	0	2	00	0	1	0	0	0	1	0	28	0
GANNAVARAM	0230	24	1012.8	1010.0	..	21.5	20.2	19.4	22.7	88	..	1.0	..	3.4	0	0	16	05	7	3	0	0	1	0	0	14	0
	0530	24	1013.4	1010.5	..	20.9	19.7	18.9	22.0	89	..	1.5	..	4.4	0	0	19	07	7	4	1	0	0	0	0	11	0
	0830	24	1015.6	1012.8	+1.5	25.5	21.5	19.3	22.4	69	- 1	1.5	-1.8	7.9	0	1	27	00	7	19	2	0	0	0	0	2	0
	1130	24	1014.6	1011.8	..	29.1	21.9	17.8	20.5	51	..	2.5	..	12.4	0	2	27	00	0	19	8	2	0	0	0	1	0
	1430	24	1011.5	1008.8	..	30.4	21.6	16.0	18.6	43	..	2.9	..	11.5	0	2	27	02	1	18	7	1	0	0	0	1	0
	1730	24	1011.9	1009.2	+1.3	27.3	21.8	18.6	21.6	59	- 3	2.1	-1.9	8.3	0	0	29	00	0	8	20	1	0	0	0	1	0
	2030	24	1014.2	1011.4	..	23.6	21.4	20.1	23.5	80	..	1.1	..	4.9	0	0	22	00	0	13	7	2	0	0	0	8	0
	2330	24	1014.1	1011.3	..	22.6	20.7	19.6	22.9	83	..	1.2	..	4.2	0	0	18	01	2	14	0	1	0	0	0	12	0
MASULIPATAM	0830	3	1015.4	1015.0	+1.7	24.3	21.7	20.4	23.8	79	+ 0	2.1	-1.4	3.2	0	0	28	12	10	6	0	0	0	0	0	2	0
	1730	3	1011.8	1011.5	+1.3	26.9	22.2	19.4	22.9	65	- 7	2.7	-1.2	4.8	0	0	30	00	0	21	9	0	0	0	0	0	0
ONGOLE	0830	12	1014.6	1013.3	+0.8	24.9	22.0	20.3	23.9	76	+ 1	1.1	-2.7	2.9	0	0	28	08	14	1	0	0	2	2	1	2	0
	1730	12	1011.4	1010.1	+0.9	27.6	22.7	20.2	23.7	66	- 1	1.0	-2.6	1.8	0	0	29	03	7	7	9	1	1	1	0	1	0
NELLORE	0530	20	1013.1	1010.8	..	21.8	21.1	20.7	24.4	94	..	3.7	..	0.7	0	0	7	00	2	4	0	0	0	0	1	23	0
	0830	20	1015.1	1012.8	+1.9	24.7	22.8	21.8	26.3	84	+ 0	3.5	-1.3	4.4	0	0	30	00	1	0	0	0	0	0	29	0	0
	1130	20	1014.4	1012.1	..	28.5	23.5	20.9	24.9	64	..	4.7	..	7.0	0	0	30	01	14	8	2	1	0	0	4	0	0
	1430	20	1011.7	1009.5	..	29.3	23.6	20.7	24.4	61	..	3.8	..	6.3	0	0	29	01	16	6	4	0	0	0	2	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of mean standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL ANDHRA PRADESH (CONTD.)																											
NELLORE	1730	20	1011.9	1009.7	+1.8	26.9	22.8	20.7	24.4	69	- 6	4.7	-0.3	7.9	0	0	30	00	26	1	1	0	0	0	2	0	0
	2330	20	1013.8	1011.5	..	23.2	21.8	21.1	25.0	88	..	3.3	..	0.8	0	0	9	00	2	6	0	0	0	0	1	21	0
TELANGANA																											
RAMGUNDAM	0830	156	1015.7	997.7	+0.8	22.5	18.2	15.8	17.4	67	+ 1	1.0	-1.5	2.1	0	0	20	01	11	2	0	6	0	0	0	10	0
	1730	156	1011.3	993.8	+0.4	29.9	19.8	12.8	14.8	36	- 8	1.3	-1.5	2.7	0	0	25	02	10	6	2	5	0	0	0	5	0
NIZAMABAD	0830	381	1015.4	972.3	+1.2	23.1	17.8	13.9	16.1	57	- 9	1.3	-1.1	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730	381	1010.7	969.9	+2.3	28.1	18.7	12.1	13.8	36	- 5	0.3	-2.3	0.3	0	0	5	00	5	0	0	0	0	0	0	25	0
HANAMKONDA	0830	269	1015.7	985.1	+1.2	22.7	19.3	17.1	19.7	72	+ 3	1.1	-1.5	1.2	0	0	18	03	0	0	3	12	0	0	0	12	0
	1730	269	1012.4	982.5	+2.0	28.0	19.7	14.2	16.2	43	- 5	0.8	-1.9	1.9	0	0	29	07	5	9	6	2	0	0	0	1	0
HAKIMPET AERODROME	0530	613	1013.9	944.7	..	18.5	15.6	13.9	15.7	72	..	1.6	..	5.2	0	0	21	00	2	7	9	1	2	0	0	9	0
	0830	613	1014.3	946.3	..	22.7	18.2	15.2	17.6	62	..	2.6	..	8.3	0	1	27	00	2	4	14	5	3	0	0	2	0
	1130	613	1013.1	945.9	..	27.0	18.5	13.5	15.1	44	..	2.1	..	15.4	0	6	23	00	3	9	15	1	1	0	0	1	0
	1730	613	1011.2	943.9	..	25.7	18.1	13.0	15.3	45	..	2.9	..	9.6	0	0	30	01	3	18	8	0	0	0	0	0	0
	2330	613	1014.0	945.2	..	20.5	16.3	13.1	15.5	62	..	1.1	..	6.3	0	0	24	00	3	9	10	1	1	0	0	6	0
BHADRACHALLAM	0830	111	1015.5	1002.7	+0.4	22.5	19.9	18.3	21.1	77	- 2	1.6	-1.8	2.0	0	0	30	01	25	1	0	0	1	0	2	0	0
	1730	111	1011.1	998.7	+0.2	29.0	21.2	16.3	18.8	47	- 8	1.5	-2.0	2.0	0	0	30	00	30	0	0	0	0	0	0	0	0
HYDERABAD (BEGAMPET)	0230	545	1013.6	951.8	..	17.8	15.5	13.8	15.9	78	..	0.8	..	1.7	0	0	9	00	2	4	2	0	0	0	1	21	0
	0530	545	1014.4	952.2	..	16.5	14.8	13.6	15.7	84	..	0.9	..	1.5	0	0	10	01	1	4	4	0	0	0	0	20	0
	0830	545	1015.9	954.4	+1.4	20.3	16.9	14.5	16.7	70	+ 2	2.5	-1.0	3.8	0	0	16	00	1	3	9	3	0	0	0	14	0
	1130	545	1013.5	953.6	..	27.8	18.5	12.2	14.5	39	..	2.3	..	12.4	0	0	30	00	2	12	11	5	0	0	0	0	0
	1730	545	1010.9	951.1	+1.4	27.2	17.6	10.8	13.1	37	-11	2.9	-0.8	9.3	0	0	30	01	4	15	10	0	0	0	0	0	0
	2330	545	1014.7	953.1	..	19.6	15.8	13.1	15.2	67	..	0.8	..	2.9	0	0	15	01	5	4	4	1	0	0	0	15	0
KHAMMAM	0830	112	1016.0	1002.8	+1.5	23.9	21.0	19.3	22.4	76	- 1	2.3	-1.0	0.8	0	0	7	02	1	1	3	0	0	0	0	23	0
	1730	112	1011.7	999.1	+1.2	29.4	20.7	15.0	17.4	42	- 8	3.0	-0.7	0.3	0	0	6	01	1	2	1	0	0	0	0	24	1
MAHBUBNAGAR	0830	505	1014.6	958.1	+0.4	23.6	18.2	14.7	16.9	58	- 7	2.6	-0.7	6.3	0	0	22	00	2	17	2	0	1	0	0	8	0
	1730	505	1010.4	954.7	+0.3	27.4	17.4	10.1	12.6	35	-12	2.7	-1.0	7.3	0	0	29	00	7	20	2	0	0	0	0	1	0
RAYALASEEMA																											
KURNOOL	0830	281	1015.6	983.4	+1.7	23.1	18.6	15.7	17.8	63	- 9	1.4	-2.2	1.8	0	0	20	00	15	0	5	0	0	0	0	10	0
	1730	281	1010.5	979.3	+1.4	29.5	19.5	12.3	14.5	36	- 8	2.8	-1.3	5.3	0	1	16	00	0	0	17	0	0	0	0	13	0
NANDYL	0830	212	1014.9	990.6	..	22.8	19.5	17.3	20.0	71	..	1.2	..	3.5	0	0	19	03	4	5	3	1	1	2	0	11	0
	1730	212	1010.9	987.2	..	27.9	20.3	15.5	17.6	48	..	2.6	..	10.9	0	0	30	00	1	20	9	0	0	0	0	0	0
ANANTAPUR	0530	350	1013.2	973.0	..	18.2	16.5	15.3	17.4	83	..	1.6	..	1.0	0	0	5	00	0	5	0	0	0	0	0	25	0
	0830	350	1015.0	975.3	+1.3	22.7	18.7	16.1	18.3	67	- 3	1.9	-1.6	3.3	0	0	14	00	6	7	1	0	0	0	0	16	0
	1130	350	1013.6	974.5	..	27.4	19.9	14.9	17.1	48	..	2.6	..	12.5	0	2	27	00	10	18	1	0	0	0	0	1	0
	1430	350	1010.1	971.4	..	28.9	19.9	13.5	15.9	41	..	2.7	..	13.6	0	5	24	00	5	20	4	0	0	0	0	1	0
	1730	350	1010.3	971.5	+1.4	27.7	20.0	14.9	17.1	46	- 1	3.2	-0.8	15.4	0	5	25	00	5	23	2	0	0	0	0	0	0
	2030	350	1013.0	973.6	..	24.5	19.1	15.6	17.6	58	..	1.1	..	5.8	0	1	18	00	0	18	1	0	0	0	0	11	0
	2330	350	1013.4	973.7	..	22.4	18.1	15.4	17.3	64	..	0.9	..	10.7	0	2	25	00	0	15	12	0	0	0	0	3	0
CUDDAPAH	0830	130	1015.4	1000.5	+1.7	23.6	20.8	19.2	22.2	77	+ 3	1.7	-2.5	6.3	0	0	2	00	0	1	1	0	0	0	0	28	0
	1730	130	1011.5	996.7	+1.7	27.3	21.4	17.9	20.8	57	-14	2.4	-2.2	2.7	0	0	16	00	0	6	10	0	0	0	0	14	0
AROGYAVARAM	0830	701	1015.2	936.9	+1.1	20.3	18.2	16.4	19.4	81	+ 2	2.6	-2.2	2.7	0	0	14	02	8	1	5	0	0	0	3	11	0
	1730	701	1011.0	934.0	+1.2	24.2	20.4	18.7	19.9	74	+10	3.9	-1.3	6.9	0	0	30	00	15	1	[illegible]	0	0	0	2	0	0
MADRAS STATE (INCLUDING PONDICHERRY)																											
MADRAS	0830	6	1014.4	1013.7	+1.4	25.8	22.7	20.8	25.0	76	- 3	4.3	-0.8	3.6	0	0	24	11	10	1	0	0	0	0	2	6	0
	1730	6	1011.6	1010.9	..	26.1	21.9	19.5	22.8	68	..	4.7	..	7.4	0	0	30	02	25	3	0	0	0	0	0	0	0
MADRAS (MINAMBAKKAM)	0230	16	1011.9	1010.1	..	22.3	21.1	20.4	24.1	89	..	2.9	..	2.2	0	0	11	06	0	1	0	0	0	2	2	19	0
	0530	16	1012.3	1010.5	..	21.6	20.7	20.3	23.8	92	..	3.2	..	3.7	0	0	16	03	0	0	0	0	0	5	8	14	0
	0830	16	1014.5	1012.7	+1.8	24.8	22.4	21.1	25.2	81	- 2	4.4	-1.5	6.9	0	0	29	15	2	1	0	0	0	1	10	1	0
	1130	16	1013.8	1012.0	..	28.1	22.6	19.6	22.9	61	..	4.8	..	11.0	0	0	29	08	17	4	0	0	0	0	0	1	0
	1430	16	1011.2	1009.4	..	28.0	22.6	19.6	22.9	61	..	4.6	..	13.7	0	3	26	09	15	4	0	0	0	0	1	1	0
	1730	16	1011.8	1010.0	+1.9	26.2	21.9	19.4	22.7	68	- 8	4.6	-0.8	10.6	0	0	29	12	13	3	0	0	0	0	1	1	0
	2030	16	1013.7	1011.9	..	24.5	21.6	20.0	23.5	77	..	2.8	..	9.9	0	1	21	13	7	1	0	0	0	0	1	8	0
VELLORE	2330	16	1013.5	1011.7	..	23.4	21.3	20.1	23.5	82	..	2.8	..	4.3	0	1	17	09	7	1	0	0	0	0	1	12	0
	0530	214	1013.2	988.5	..	19.6	18.9	18.4	21.3	93	..	2.7	..	0.9	0	0	7	05	2	0	0	0	0	0	0	23	0
	0830	214	1015.2	990.7	+2.1	22.0	20.0	18.8	21.7	85	+ 2	3.5	-1.3	1.2	0	0	5	01	1	1	0	1	1	0	0	25	0
	1130	214	1014.2	990.0	..	26.9	21.3	16.1	20.8	60	..	4.5	..	8.6	0	0	29	02	26	1	0	0	0	0	0	1	0
	1730	214	1011.1	987.0	+1.7	27.1	20.6	16.5	19.0	54	-10	4.2	-1.1	10.1	0	0	30	00	22	7	1	0	0	0	0	0	0
	2330	214	1014.3	989.7	..	21.9	20.0	18.9	21.8	83	..	1.6	..	1.4	0	0	8	00	8	0	0	0	0	0	0	22	0
TAMBARAM AERODROME	0830	29	1014.1	1010.8	..	25.5	23.6	22.7	27.6	85	..	4.0	..	13.7	0	4	25	16	5	1	1	0	0	0	6	1	0
	1730	29	1011.5	1008.2	..	26.0	23.0	21.5	25.6	79	..	4.5	..	18.4	0	5	25	00	3	24	3	0	0	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 62 or more	20 to 61	1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADRAS STATE (INCLUDING PONDICHERRY)																											
TIRUPPATTUR	0830	390	1012.3	968.2	-1.1	22.1	21.7	21.4	25.6	95	+ 8	5.7	+0.5	2.5	0	0	24	09	0	0	0	15	0	0	0	6	0
	1730	390	1008.1	964.5	-1.6	24.3	22.8	22.5	26.6	87	+20	5.8	-0.1	4.6	0	0	30	14	0	0	0	16	0	0	0	0	0
METTUR DAM R.S.	0830		..	..	..	24.0	22.2	21.3	25.3	85	..	3.2	..	4.1	0	0	29	00	16	0	1	0	0	0	12	0	0
	1730		..	..	..	25.4	23.3	22.2	26.9	83	..	4.1	..	3.7	0	0	29	00	13	0	1	0	0	0	15	0	0
CUDDALORE	0530	12	1011.5	1010.1	..	21.9	21.3	20.9	24.9	94	..	3.3	..	4.1	0	0	18	12	4	1	0	1	0	0	0	12	0
	0830	12	1014.1	1012.7	+1.4	25.0	22.5	21.5	25.3	84	+ 1	4.8	-0.5	6.5	0	0	29	10	15	1	0	1	0	0	2	1	0
	1130	12	1013.4	1012.0	..	27.6	23.4	21.3	25.3	69	..	5.8	..	14.7	0	8	21	05	21	1	0	0	0	0	2	1	0
	1430	12	1010.6	1009.3	..	27.7	23.6	21.6	25.6	70	..	5.3	..	16.0	0	11	19	05	20	4	1	0	0	0	0	0	0
	1730	12	1011.0	1009.7	+1.6	26.4	23.0	21.4	25.3	75	- 1	5.0	-0.4	12.3	0	4	25	00	27	0	1	0	0	0	1	1	0
	2330	12	1012.9	1011.5	..	24.4	22.4	21.4	25.5	83	..	3.8	..	9.9	1	0	26	08	14	3	0	0	0	0	2	3	0
KALLAKKURICHCHI	0830	127	1013.8	999.5	+1.1	24.3	22.3	21.0	25.3	84	+ 7	2.9	-1.5	6.6	0	0	27	04	0	0	0	0	0	0	23	3	0
	1730	127	1010.4	996.1	+1.2	27.2	23.4	21.5	25.6	72	+ 7	4.4	-0.8	7.8	0	0	29	00	26	1	0	0	0	0	2	1	0
SALEM	0530	278	1011.9	980.1	..	20.5	18.2	16.8	19.0	79	..	2.7	..	1.9	0	0	11	00	1	10	0	0	0	0	0	19	0
	0830	278	1013.9	982.3	+1.3	22.9	19.8	17.3	20.5	70	- 8	3.4	-1.0	0.7	0	0	7	01	0	6	0	0	0	0	0	23	0
	1130	278	1012.8	981.8	..	27.8	20.7	16.3	18.6	51	..	3.7	..	7.4	0	1	27	00	3	17	2	0	0	1	0	2	5
	1730	278	1009.9	978.4	+1.0	27.6	20.5	16.3	18.3	51	-10	4.9	-0.4	4.1	0	0	25	01	2	19	2	0	0	0	0	5	1
	2330	278	1012.9	981.3	..	23.5	19.3	16.6	19.0	66	..	3.0	..	9.7	0	0	28	00	0	27	0	0	0	0	0	2	1
COIMBATORE (PILAMEDU)	0530	399	1012.4	967.0	..	19.5	18.3	17.4	20.0	88	..	2.2	..	1.7	0	0	4	01	1	2	0	0	0	0	0	26	0
	0830	399	1014.2	969.0	+1.0	22.7	19.2	17.4	19.5	72	- 7	3.8	-1.2	13.3	0	5	20	00	16	9	0	0	0	0	0	5	0
	1130	399	1012.7	968.4	..	27.0	20.4	16.2	18.6	53	..	4.3	..	19.1	0	15	13	02	19	7	0	0	0	0	0	2	0
	1430	399	1009.3	965.2	..	28.9	20.7	15.2	17.7	46	..	4.3	..	18.7	0	14	15	01	16	11	0	0	1	0	0	1	0
	1730	399	1009.4	965.3	+0.8	27.6	20.5	15.9	18.3	51	- 9	4.7	-0.5	16.6	0	10	16	00	13	13	0	0	0	0	0	4	0
	2030	399	1012.4	967.7	..	24.0	19.5	16.5	19.0	64	..	2.4	..	7.9	0	3	13	00	8	8	0	0	0	0	0	14	0
	2330	399	1013.1	968.1	..	22.3	19.1	16.9	19.5	73	..	2.1	..	3.9	0	0	9	01	6	2	0	0	0	0	0	21	0
COIMBATORE	0830	409	1013.7	967.8	+1.3	23.8	19.6	16.9	19.4	66	-12	3.8	-1.6	3.9	0	0	30	00	29	0	0	1	0	0	0	0	0
NAGAPATTINAM	0830	9	1013.6	1012.5	+1.4	25.2	22.7	21.5	25.6	80	- 2	6.1	+0.4	10.8	0	9	17	07	9	1	0	0	0	1	8	4	0
	1730	9	1010.4	1009.3	+1.2	26.9	23.1	21.1	25.0	71	- 6	6.1	+0.6	25.2	0	24	5	06	20	1	0	0	0	0	2	1	0
TIRUCHCHIRAPPALLI	0230	88	1011.3	1001.2	..	22.5	20.6	19.6	22.7	84	..	3.6	..	12.7	0	3	27	19	7	1	0	0	1	0	2	0	0
	0530	88	1011.4	1001.3	..	21.7	20.2	19.4	22.4	87	..	3.6	..	11.3	0	0	30	15	7	0	1	0	1	0	6	0	0
	0830	88	1013.6	1003.6	+1.3	24.5	21.4	19.7	22.9	75	- 6	4.8	-0.3	15.3	0	9	20	17	4	0	0	0	0	2	6	1	0
	1130	88	1012.9	1002.9	..	27.4	22.2	19.2	22.5	62	..	5.5	..	22.1	0	23	7	11	16	0	0	0	1	0	2	0	0
	1430	88	1009.7	999.8	..	28.6	22.0	18.3	21.0	55	..	5.4	..	20.9	0	20	9	07	20	0	0	0	0	1	[illegible]	1	0
	1730	88	1009.9	1000.0	+1.2	26.8	22.0	19.3	22.5	65	- 2	5.6	+0.0	14.1	0	5	24	02	24	2	1	0	0	0	[illegible]	1	0
	2030	88	1012.5	1002.5	..	24.1	21.6	20.1	23.8	79	..	3.1	..	12.1	0	1	27	01	26	1	0	0	0	0	0	2	0
	2330	88	1012.8	1002.7	..	23.0	21.1	20.0	23.5	84	..	3.4	..	12.6	0	2	28	14	15	0	0	0	1	0	0	0	0
VEDARANNIYAM	0830	4	1013.2	1012.7	..	25.1	23.2	22.3	26.9	85	..	6.1	..	4.1	0	0	28	09	7	1	0	0	0	1	10	2	0
	1730	4	1010.3	1009.8	..	26.4	23.6	22.3	26.7	78	..	6.0	..	7.1	0	0	28	15	10	0	1	0	0	0	2	2	0
ATIRAMPATTINAM	0830	6	1013.2	1012.5	..	24.6	22.6	21.8	25.8	83	..	4.8	..	10.5	0	3	27	24	4	0	0	0	0	0	2	0	0
	1730	6	1010.1	1009.4	..	26.4	23.1	21.4	25.6	75	..	5.7	..	11.9	0	1	28	13	15	1	0	0	0	0	0	1	0
MADURAI	0830	133	1013.9	998.7	+1.7	25.2	21.5	19.4	22.7	71	- 5	4.7	-0.7	6.3	0	0	30	16	11	0	0	0	0	2	1	0	0
MADURAI AERODROME	0530	131	1011.2	996.2	..	22.1	20.5	19.6	22.8	86	..	3.7	..	10.3	0	3	23	18	8	0	0	0	0	0	0	4	0
	0830	131	1013.3	998.3	+0.6	24.6	21.3	19.3	22.7	73	- 6	4.9	-0.2	15.8	0	7	23	19	8	0	0	0	1	0	1	0	1
	1130	131	1012.5	997.6	..	27.5	22.2	19.2	22.4	61	..	5.1	..	22.5	0	23	5	09	19	0	0	0	0	0	0	2	0
	1730	131	1009.6	994.8	+0.5	27.1	21.9	18.9	22.0	62	- 9	5.0	-1.0	20.9	0	21	9	02	23	4	0	0	1	0	0	0	0
TONDI	0830	5	1013.6	1013.0	+0.9	24.4	22.1	20.9	24.7	81	- 3	4.7	-1.0	6.9	0	1	25	04	17	0	0	0	1	0	4	4	0
	1730	5	1010.2	1009.6	+0.7	27.0	23.5	21.7	25.9	73	- 2	4.9	-1.1	15.2	0	7	23	07	21	1	0	1	0	0	0	0	0
PAMBAN	0830	11	1012.7	1011.4	+0.8	25.5	23.9	23.1	28.3	87	+ 4	5.7	+0.8	25.7	0	22	8	24	2	1	1	0	0	0	2	0	0
	1730	11	1009.5	1008.2	+0.6	26.4	24.0	22.8	27.9	81	- 1	5.6	+0.7	22.4	0	22	8	11	16	1	0	1	1	0	0	0	0
TUTICORIN	0830	4	1013.3	1012.9	+0.8	25.4	22.4	20.9	24.6	76	- 5	4.5	-0.4	15.7	0	8	21	21	6	0	0	0	0	0	2	1	0
	1730	4	1009.7	1009.3	+0.5	27.3	24.1	22.6	27.4	75	- 1	3.8	-0.6	24.5	0	21	9	02	25	0	1	1	0	1	0	0	0
PALAYANKOTTAI	0830	51	1013.4	1007.8	+1.1	25.3	22.2	20.6	24.1	75	- 3	5.4	-0.4	9.3	0	0	30	21	6	0	0	0	0	0	3	0	0
	1730	51	1009.7	1004.0	+0.7	27.2	23.7	21.9	26.4	71	+ 1	6.1	-0.3	5.0	0	0	29	15	4	7	1	0	0	2	0	1	0
KANNIYAKUMARI	0830	37	1011.9	1007.8	..	26.0	21.9	19.6	22.9	68	..	5.1	..	23.6	0	23	7	19	9	0	0	0	1	0	1	0	0
	1730	37	1008.9	1004.8	..	27.9	23.0	20.3	24.1	65	..	5.5	..	16.4	0	10	20	07	16	3	0	0	1	2	1	0	0
PONDICHERRY	0830	6	1013.9	1013.2	..	25.3	23.7	22.9	27.9	87	..	4.0	..	2.1	0	7	22	17	4	0	1	0	0	0	7	0	0
	1730	6	1010.7	1010.1	..	27.4	25.5	24.7	31.1	87	..	4.3	..	3.4	0	28	2	01	28	0	1	0	0	0	0	0	0
COASTAL MYSORE																											
KARWAR	0830	4	1013.7	1013.2	+1.1	24.6	20.3	17.8	20.2	66	-10	2.5	-0.5	3.3	0	0	30	00	11	9	5	0	1	1	0	0	3
	1730	4	1009.2	1008.7	-0.2	30.2	24.2	20.1	25.3	56	-13	2.2	-0.8	5.1	0	0	30	00	0	0	9	1	0	2	16	0	2
HONAVAR	0830	26	1013.2	1010.1	+0.7	25.1	20.0	16.8	19.3	60	-10	3.5	-0.6	3.4	0	0	21	02	5	14	0	0	0	0	0	9	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gptn. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL MYSORE (CONTD.)																											
HONAVAR	1730	26	1009.2	1006.3	+0.1	30.6	23.4	19.5	22.9	53	-13	3.9	-0.4	4.0	0	0	28	00	1	4	0	1	19	2	2	0	
MANGALURE (BAJPE)	0230	102	1010.5	998.8	..	22.4	20.9	20.1	23.5	87	..	2.4	..	6.1	0	0	19	00	2	15	2	0	0	0	0	11	0
	0530	102	1010.7	999.0	..	21.5	19.7	18.4	21.8	83	..	2.3	..	9.5	0	1	22	00	1	21	1	0	0	0	0	7	0
	0830	102	1012.6	1001.1	+0.4	25.9	20.6	17.3	20.0	60	-19	3.7	-0.6	11.5	0	1	26	00	0	24	3	0	0	0	0	3	0
	1130	102	1011.7	1000.4	..	31.8	21.7	14.4	17.6	36	..	3.7	..	14.7	0	6	23	00	4	21	4	0	0	0	0	1	0
	1430	102	1008.5	997.3	..	32.9	22.2	15.4	18.1	37	..	3.9	..	13.5	0	5	23	01	1	7	4	1	3	8	3	2	0
	1730	102	1008.5	997.2	-0.4	29.0	22.7	19.3	22.4	57	-13	4.2	-0.7	14.7	0	1	29	00	0	0	0	0	4	21	5	0	0
	2030	102	1011.0	999.5	..	25.7	22.3	20.5	24.1	73	..	3.1	..	6.2	0	0	21	10	0	0	0	0	1	4	6	9	0
	2330	102	1011.5	999.9	..	24.1	21.7	20.4	24.0	80	..	2.8	..	3.3	0	0	13	04	3	5	0	0	0	1	0	17	0
MANGALURE	0830	22	1012.6	1010.1	+0.7	25.6	20.3	16.9	19.5	59	-18	3.2	-0.8	5.7	0	0	30	00	0	20	10	0	0	0	0	0	0
	1730	22	1008.7	1006.2	-0.1	29.6	23.1	19.2	22.9	56	-13	3.3	-1.3	4.7	0	0	30	01	1	0	0	0	12	5	0	5	
INTERIOR MYSORE, NORTH																											
BIDAR	0830	664	(R)																								
	1730	664	(R)																								
GULBARGA	0830	458	1014.9	963.5	+0.9	22.3	16.7	12.7	14.9	55	- 2	2.3	-0.3	3.3	0	0	13	00	1	11	1	0	0	0	0	17	0
	1730	458	1009.6	959.6	+1.0	29.4	17.8	9.5	11.9	29	- 6	3.3	-0.1	6.9	0	0	26	00	9	17	0	0	0	0	0	4	0
BIJAPUR	0830	594	1015.2	948.4	+1.1	20.8	16.1	12.7	14.9	62	+ 2	3.1	-0.1	3.9	0	0	26	01	3	2	9	9	2	0	0	4	0
	1730	594	1009.3	944.6	+0.8	28.4	18.0	10.7	13.0	33	- 7	3.7	+0.0	2.6	0	0	26	01	7	8	10	0	0	0	0	4	0
RAICHUR	0830	400	1014.9	970.3	+1.7	23.7	18.4	14.6	16.9	57	- 7	3.5	+0.2	4.1	0	0	28	00	7	8	9	3	0	1	0	2	0
	1730	400	1010.0	965.9	+0.9	28.8	18.3	9.9	13.4	32	- 9	3.8	+0.0	4.9	0	0	30	00	19	3	8	0	0	0	0	0	0
BELGAUM	0830	753	1015.2	931.8	+2.0	21.2	17.4	14.7	17.0	66	- 4	1.7	-0.7	1.7	0	0	11	00	0	10	1	0	0	0	0	19	0
	1730	753	1008.7	927.3	+0.5	27.0	19.3	14.5	16.7	47	+ 0	2.2	-1.2	4.7	0	0	28	01	0	27	0	0	0	0	0	2	0
BELGAUM (SAMRA)	0530	747	1013.1	929.3	..	17.6	14.1	11.3	13.6	67	..	1.2	..	2.8	0	0	13	00	7	5	1	0	0	0	0	17	0
	0830	747	1014.0	931.4	+0.5	21.9	16.3	12.2	14.5	55	-13	3.0	-0.2	9.3	0	1	26	00	3	14	9	1	0	0	0	3	0
	1130	747	1012.4	931.0	..	26.4	17.2	10.5	12.9	38	..	3.4	..	16.8	0	10	20	00	4	15	10	1	0	0	0	0	0
	1430	747	1008.6	928.1	..	28.2	17.2	8.5	11.6	29	..	3.6	..	13.3	0	2	27	01	5	18	5	0	0	0	0	1	0
	1730	747	1008.7	927.9	-0.1	27.3	16.8	8.6	11.5	32	-15	3.5	-0.1	8.3	0	0	29	00	12	16	1	0	0	0	0	1	0
	2030	747	1012.2	929.8	..	22.7	15.4	9.7	12.2	44	..	1.4	..	3.5	0	0	17	00	6	8	2	0	0	1	0	13	0
GADAG	0530	650	1013.2	940.1	..	18.7	16.6	15.3	17.4	81	..	1.4	..	7.9	0	0	29	00	3	22	4	0	0	0	0	1	0
	0830	650	1014.3	941.8	+0.8	21.3	18.4	16.8	19.0	76	+12	1.8	-1.9	6.7	0	0	30	01	1	21	5	0	0	0	0	2	
	1130	650	1012.4	941.5	..	27.8	21.2	17.6	20.4	54	..	1.9	..	10.9	0	0	30	00	1	26	3	0	0	0	0	0	0
	1430	650	1008.9	938.6	..	29.7	21.9	17.7	20.5	49	..	2.4	..	9.2	0	0	30	00	9	18	3	0	0	0	0	0	0
	1730	650	1008.9	937.1	-0.5	28.0	20.3	15.7	18.2	48	+ 2	2.5	-1.8	6.7	0	0	30	00	7	21	2	0	0	0	0	0	0
	2030	650	1012.4	940.6	..	23.5	18.0	14.8	16.6	60	..	1.2	..	7.2	0	0	30	00	3	27	0	0	0	0	0	0	0
	2330	650	1013.3	940.8	..	21.1	17.1	14.4	16.5	66	..	0.8	..	9.3	0	0	30	00	1	24	5	0	0	0	0	0	0
INTERIOR MYSORE, SOUTH																											
BELLARY	0830	449	1014.7	964.1	+1.2	22.6	18.9	16.4	18.8	69	+ 0	2.5	-2.0	10.4	0	0	29	00	0	9	15	5	0	0	0	1	0
	1730	449	1009.9	960.6	+1.4	28.7	20.1	14.2	16.5	43	- 2	3.0	-1.2	9.8	0	0	29	00	0	13	11	5	0	0	0	1	0
CHITRADURGA	0830	733	1013.8	932.5	+0.9	21.2	16.5	13.1	15.4	61	-12	2.4	-2.0	7.7	0	0	30	00	0	27	3	0	0	0	0	0	0
	1730	733	1008.8	929.3	+1.0	26.5	17.0	9.8	12.4	37	-13	2.6	-1.7	8.1	0	0	30	00	0	30	0	0	0	0	0	0	0
SHIMOGA	0830	571	1014.0	949.9	+0.6	20.4	17.0	14.5	16.9	68	-14	3.8	-0.2	0.8	0	0	9	00	0	9	0	0	0	0	0	21	0
	1730	571	1008.2	945.8	+0.1	28.0	18.2	11.4	13.7	38	-19	4.4	+0.2	2.1	0	0	24	00	3	21	0	0	0	0	0	6	0
AGUMBE	0830		..	..	..	20.7	16.8	14.8	16.3	69	..	.	..	7.5	0	4	26	00	29	1	0	0	0	0	0	0	0
BALEHONNUR	0830		..	..	..	21.7	17.5	14.9	16.9	66	-19	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HASSAN	0830	960	1524.4	908.3	+0.8	17.7	15.7	14.2	16.4	80	+ 2	3.2	-1.0	3.3	0	0	21	00	0	20	1	0	0	0	0	9	0
	1730	960	1506.1	904.9	+0.1	25.3	17.2	11.3	13.7	44	-14	2.1	-2.6	2.5	0	0	29	00	3	20	6	0	0	0	0	1	0
BANGALORE	0230	921	1512.3	911.4	..	16.8	15.6	14.8	16.8	88	..	2.3	..	6.3	0	0	26	00	2	24	0	0	0	0	0	4	0
	0830	921	1532.1	913.1	+1.5	19.8	16.4	13.9	16.2	73	- 5	3.5	-1.4	6.9	0	0	30	00	0	8	22	0	0	0	0	0	0
	1130	921	1539.7	912.7	..	24.1	16.8	11.3	13.7	47	..	3.6	..	10.3	0	1	28	00	10	19	0	0	0	0	0	1	0
	1430	921	1522.0	910.6	..	25.7	17.4	11.3	13.8	43	..	4.1	..	10.0	0	0	30	00	11	17	2	0	0	0	0	0	0
	1730	921	1518.4	910.6	+1.9	23.4	16.7	11.8	14.1	50	- 9	4.6	-0.6	7.3	0	0	29	00	6	23	0	0	0	0	0	1	0
	2030	921	1527.0	912.3	..	20.1	16.2	13.5	15.6	67	..	2.2	..	7.0	0	0	29	00	3	24	2	0	0	0	0	1	0
BANGALORE AERODROME	0530	897	1502.1	913.3	..	15.4	14.7	14.2	16.3	93	..	2.6	..	8.2	0	0	29	01	9	18	1	0	0	0	0	1	0
	0830	897	1528.2	915.3	+0.7	19.0	16.2	14.3	16.4	75	- 2	3.5	-1.3	12.7	0	1	29	00	10	19	1	0	0	0	0	0	0
	1130	897	1534.4	914.7	..	24.3	16.8	11.2	13.7	46	..	3.4	..	19.1	0	17	13	00	10	19	1	0	0	0	0	0	0
	1730	897	1509.1	912.3	+0.5	23.5	17.0	12.1	14.7	51	- 9	3.9	-1.2	16.1	0	4	26	00	3	25	2	0	0	0	0	0	0
	2330	897	1518.4	914.5	..	17.4	15.9	14.9	16.9	85	..	1.8	..	11.4	0	1	29	01	4	24	1	0	0	0	0	0	0
MYSORE	0830	767	1014.4	927.9	+0.1	19.7	16.5	14.4	16.5	72	- 8	2.8	-1.9	13.3	0	6	24	04	3	5	3	7	4	0	4	0	0
	1730	767	1008.3	925.3	+0.4	26.2	17.0	9.8	12.7	40	-14	3.2	-1.7	15.3	0	7	23	01	18	8	2	0	0	0	1	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KERALA (CONTD.)																											
CALICUT	0530	5	1010.5	1009.9	..	22.8	21.7	21.2	25.0	91	..	1.1	..	2.7	0	0	22	00	0	21	1	0	0	0	0	8	0
	0830	5	1012.3	1011.7	+0.5	25.5	21.7	19.6	22.8	71	- 9	2.0	-2.4	3.1	0	0	25	00	1	24	0	0	0	0	0	5	0
	1130	5	1011.7	1011.1	..	29.4	24.2	21.6	25.9	64	..	2.4	..	4.5	0	0	26	00	0	1	0	6	6	13	0	4	0
	1430	5	1009.7	1009.1	..	31.3	25.2	22.3	26.9	60	..	1.8	..	4.9	0	0	27	00	0	0	0	3	8	16	0	3	0
	1730	5	1009.2	1008.6	+0.4	29.2	24.2	21.7	26.1	62	-10	2.9	-2.2	4.8	0	0	30	00	0	0	0	0	5	25	0	0	0
	2330	5	1011.4	1010.8	..	24.8	23.2	22.4	27.1	87	..	0.9	..	2.9	0	0	17	01	7	9	0	0	0	0	0	13	0
PALGHAT	0830	97	1013.0	1001.9	+0.5	25.8	21.5	19.1	22.1	68	- 9	3.5	-0.7	8.9	0	0	30	00	0	29	0	0	0	1	0	0	0
	1730	97	1008.6	997.7	-0.1	29.4	22.2	18.1	20.9	54	-14	4.1	-1.2	6.7	0	0	30	00	0	29	0	0	0	1	0	0	0
FORT COCHIN	0830	3	1012.0	1010.7	-0.9	26.9	22.9	20.9	24.7	70	- 8	5.5	+0.3	4.8	0	0	29	02	14	12	0	0	0	0	1	1	0
	1730	3	1008.8	1008.5	+0.1	28.5	23.9	21.7	25.8	67	- 7	5.4	-0.3	6.7	0	0	29	02	0	0	0	0	6	11	10	1	0
COCHIN(NAVAL AIR STATION)	0230	3	1010.1	1009.8	..	24.2	22.7	21.9	26.3	87	..	3.9	..	1.7	0	0	10	00	4	4	1	1	0	0	0	20	0
	0530	3	1010.1	1009.8	..	23.1	21.8	21.1	25.0	89	..	3.9	..	1.3	0	0	7	00	4	3	0	0	0	0	0	23	0
	0830	3	1012.0	1011.7	..	26.0	22.5	20.6	24.4	73	..	3.8	..	5.3	0	0	21	00	10	11	0	0	0	0	0	9	0
	1130	3	1011.7	1011.4	..	29.7	23.6	20.1	24.1	57	..	3.7	..	5.6	0	0	23	00	6	1	6	1	1	2	6	7	0
	1730	3	1008.4	1008.1	..	29.2	23.8	21.1	25.0	62	..	4.5	..	9.4	0	0	29	03	1	0	0	0	9	11	5	1	0
	2330	3	1011.3	1011.0	..	25.4	23.6	22.7	27.6	85	..	4.2	..	1.3	0	0	8	00	1	4	2	1	0	0	0	22	0
ALLEPPEY	0830	4	1012.0	1011.6	+0.1	26.8	23.4	21.8	25.9	74	- 7	2.9	-2.4	5.8	0	0	30	00	11	12	6	0	1	0	0	0	0
	1730	4	1008.7	1008.3	-0.1	29.2	24.5	22.3	26.9	67	- 9	4.3	-1.5	16.7	0	0	30	00	0	0	0	0	1	9	20	0	0
PUNALUR	0830	34	1012.1	1008.3	+0.3	24.1	21.9	20.8	24.4	83	- 4	5.3	+0.5	1.1	0	0	6	00	1	3	2	0	0	0	0	24	0
	1730	34	1008.5	1004.7	-0.3	29.1	23.5	20.5	24.4	61	-12	6.2	+0.2	3.1	0	0	18	00	3	8	5	0	1	1	0	12	0
TRIVANDRUM	0230	64	1009.7	1002.3	..	24.2	23.0	22.3	27.1	89	..	4.4	..	1.4	0	0	8	01	4	2	1	0	0	0	0	22	0
	0530	64	1009.8	1002.4	..	23.5	22.0	21.1	25.3	87	..	3.9	..	2.9	0	0	18	01	14	2	1	0	0	0	0	12	0
	0830	64	1011.8	1004.5	+0.0	25.7	22.9	21.3	25.6	77	-10	5.0	+0.3	2.1	0	0	15	01	9	1	3	0	0	1	0	15	0
	1130	64	1011.1	1003.9	..	29.5	24.1	21.4	25.6	63	..	5.3	..	4.4	0	0	26	01	6	1	1	0	4	6	2	4	5
	1430	64	1008.4	1001.2	..	29.3	24.5	22.1	26.7	66	..	5.2	..	7.1	0	0	25	01	3	0	1	0	6	11	3	5	0
	1730	64	1008.9	1001.7	+0.1	27.7	24.1	22.8	27.1	73	- 5	5.3	-0.6	5.3	0	0	22	02	2	2	0	1	5	10	0	8	0
	2030	64	1011.3	1004.0	..	26.2	23.9	22.8	27.9	82	..	4.9	..	1.4	0	0	7	00	1	2	1	0	0	1	2	23	0
	2330	64	1011.3	1004.0	..	25.1	23.5	22.8	27.6	87	..	4.8	..	1.9	0	0	13	02	7	1	1	0	0	0	1	17	1
TRIVANDRUM AERODROME	0830	8	1012.1	1011.2	+0.3	26.7	23.1	21.2	25.3	73	- 7	5.3	+0.1	3.9	0	0	11	02	3	4	2	0	0	0	0	19	0
ARABIAN SEA ISLANDS																											
AMINI	0530	4	1009.7	1009.2	..	24.3	22.7	22.0	26.3	87	..	2.2	..	2.6	0	0	11	01	4	5	0	1	0	0	0	19	0
	0830	4	1011.8	1011.3	+0.2	27.1	24.0	22.5	27.3	76	- 2	3.7	-0.6	4.7	0	1	19	04	10	3	3	0	0	0	0	10	0
	1130	4	1011.7	1011.3	..	30.0	24.7	22.2	26.7	64	..	4.2	..	9.4	0	0	29	06	10	7	4	0	1	0	0	1	1
	1730	4	1008.5	1008.1	..	29.0	24.6	22.7	27.3	68	..	4.6	..	3.4	0	0	17	05	5	6	1	0	0	0	0	13	0
	2330	4	1010.9	1010.4	..	24.9	23.1	22.1	26.7	84	..	2.5	..	2.1	0	1	5	00	3	2	0	1	0	0	0	24	0
AGATTI	0830	4	1011.3	1010.8	..	27.5	24.2	22.5	27.6	75	..	4.7	..	6.3	0	1	29	12	14	2	2	0	0	0	0	0	0
	1730	4	1009.1	1008.6	..	27.8	24.4	22.9	27.7	72	..	4.7	..	3.9	0	0	29	12	13	2	0	0	0	0	2	0	0
ANDROTH	0830	5	1012.3	1011.8	..	27.2	24.4	23.0	28.3	77	..	5.2	..	2.3	0	0	25	05	15	0	1	1	0	0	1	5	2
	1730	5	1008.5	1008.0	..	28.4	26.8	23.1	28.3	73	..	5.3	..	2.1	0	0	16	03	9	0	1	0	0	0	1	14	2
MINICOY	0530	2	1009.7	1009.5	..	24.4	23.4	22.0	27.9	86	..	3.6	..	3.3	0	1	12	01	3	6	1	0	0	2	0	17	0
	0830	2	1012.0	1011.8	+0.4	27.9	24.6	23.0	28.3	75	- 4	4.3	-0.2	4.3	0	0	23	06	5	9	1	1	0	0	1	7	0
	1130	2	1011.8	1011.6	..	29.9	25.2	23.0	28.3	67	..	4.5	..	5.6	0	0	27	05	6	8	3	0	1	2	2	3	0
	1430	2	1009.3	1009.1	..	29.7	25.0	22.8	27.9	67	..	4.8	..	6.2	0	0	27	05	6	6	2	2	1	2	3	3	0
	1730	2	1009.2	1009.0	+0.1	28.0	24.4	22.7	27.6	73	- 4	5.3	+0.0	4.1	0	0	22	02	10	5	0	2	1	1	1	[illegible]	0
	2030	2	1011.4	1011.2	..	25.2	23.2	22.2	26.7	83	..	3.8	..	4.1	0	0	16	00	7	6	1	1	0	1	0	14	0
	2330	2	1011.1	1010.9	..	25.9	23.6	22.5	27.3	82	..	4.4	..	3.4	0	0	18	02	10	3	0	0	0	3	0	12	0
HILL STATIONS(EXCLUDING KASHMIR)																											
DALHOUSIE	0830	1959	1471.5	802.0	+0.1	9.6	6.1	2.1	7.1	61	+ 8	2.6	+1.8	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1959	1463.5	801.4	+0.3	10.3	8.0	5.6	9.1	75	+16	3.8	+2.7	..	.	..	..	..	..	..	..	..	..	..	..	..	..
DHARMASALA	0830	1211	1564.6	886.6	-0.1	14.4	9.7	4.8	8.6	54	+ 4	2.8	+1.4	0.8	0	0	11	03	5	1	0	0	0	2	0	19	0
	1730	1211	1551.8	885.0	-0.5	16.4	11.2	5.9	9.3	52	+ 0	4.4	+2.5	2.2	0	0	26	00	3	0	1	2	12	8	0	4	0
BHUNTAR	0830	1096	1532.7	896.5	..	7.1	6.1	5.0	8.7	86	..	3.0	..	1.9	0	0	18	10	0	0	2	4	0	1	1	12	0
	1130	1096	1529.8	895.0	..	14.4	9.5	4.3	8.3	52	..	3.8	..	3.0	0	0	25	02	5	8	4	1	0	0	1	5	0
	1730	1096	1504.5	892.1	..	15.6	10.1	4.3	8.3	49	..	4.0	..	9.8	0	4	21	02	0	5	9	3	1	0	5	5	0
SIMLA	0830	2202	1514.8	783.2	-0.7	9.1	4.0	- 3.3	4.6	45	+14	1.9	+0.8	1.6	0	0	24	00	8	0	12	0	1	0	3	6	0
	1730	2202	1502.9	781.8	-1.1	7.9	5.3	2.2	7.2	69	+21	2.8	+1.1	1.9	0	0	29	00	4	0	18	0	6	0	1	1	0
GHANGARIA (KANJALIA TUK)	0830		..	..	..	1.9	- 0.7	- 5.3	3.9	61	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BADRINATH	0830		(R)																								
JOSHIMATH	0830		..	..	..	8.0	4.1	- 1.2	5.5	54	+ 8	1.4	-0.4	4.5	0	0	30	00	0	18	6	2	3	1	0	0	0
	1730		..	..	..	11.3	6.0	- 0.4	5.9	46	- 4	3.9	+1.7	4.6	0	0	30	00	1	6	2	2	11	8	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HILL STATIONS (EXCLUDING KASHMIR)																											
MUSSOORIE	0830	2042	1514.9	798.2	-2.1	9.2	5.3	0.4	6.3	56	+ 7	1.9	+0.8	1.0	0	0	12	03	1	0	2	2	1	0	3	18	0
	1730	2042	1498.2	796.6	-1.9	9.0	6.8	4.6	8.5	76	+ 8	2.7	+0.8	2.1	0	0	25	02	1	0	9	10	2	0	1	5	0
MUKTESWAR (KUMAUN)	0830	2311	3136.3	774.5	+0.2	7.6	3.1	- 3.7	4.6	48	+ 7	2.3	+1.5	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	2311	3117.3	772.8	-0.1	7.3	4.8	1.9	7.0	70	+12	2.4	+1.2	..	.	..	..	..	..	..	..	..	..	..	..	..	..
NAINITAL	0830	1953	1520.2	807.3	-0.2	9.8	5.1	- 1.2	5.5	45	- 8	2.2	+1.5	2.3	0	0	15	01	5	1	1	0	0	3	4	15	0
	1730	1953	1500.7	805.3	-0.4	8.7	5.5	1.7	6.9	63	- 8	1.6	-0.3	6.2	0	0	30	00	0	1	0	4	1	23	1	0	0
KALIMPONG	0830	1209	1525.6	882.7	+1.4	13.6	11.1	8.9	11.4	73	- 5	1.2	-0.8	6.3	0	0	30	00	2	0	0	0	0	0	28	0	0
	1730	1209	1512.1	881.3	+2.5	13.8	11.3	9.1	11.5	73	- 7	2.9	-0.2	6.9	0	0	30	00	0	0	30	0	0	0	0	0	0
DARJEELING	0830	2128	1541.6	792.8	-0.9	9.3	7.3	5.4	9.0	77	+ 9	4.0	+0.7	0.0	0	0	1	00	0	0	0	0	1	0	0	29	0
	1730	2128	1525.9	790.9	-0.7	7.9	6.6	5.3	8.9	85	+ 1	5.6	+1.1	0.1	0	0	1	00	0	0	0	0	0	1	0	29	0
KOHIMA	0830	1406	(R)																								
	1730	1406	(R)																								
SHILLONG (C.S.O.)	0830	1598	1527.0	843.2	+1.1	14.5	10.3	6.7	10.0	60	- 3	1.9	-0.1	3.7	0	0	26	01	2	10	4	3	2	3	1	4	0
	1730	1598	1504.7	840.8	+1.2	11.9	10.9	10.0	12.4	89	+ 6	5.8	-0.5	1.3	0	0	13	01	1	4	1	2	0	1	3	17	0
CHERRAPUNJI	0830	1313	1542.4	873.3	+1.5	16.7	12.6	9.2	11.6	62	- 3	0.6	-2.1	5.5	0	0	30	00	25	0	5	0	0	0	0	0	0
	1730	1313	1527.5	871.8	+2.7	17.0	13.2	10.2	12.4	66	-17	0.8	-2.8	5.3	0	0	30	00	22	0	5	0	3	0	0	0	0
ABU	0830	1195	1539.4	885.2	+0.7	17.2	12.0	7.4	10.3	53	+11	0.0	-0.8	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730	1195	1526.3	883.4	+0.5	21.4	13.1	5.4	9.0	36	+ 2	0.5	-0.5	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
AIJAL	0830		(R)																								
	1730		(R)																								
PACHMARHI	0830	1075	1544.0	897.9	+0.1	18.9	13.1	8.2	10.9	51	- 7	1.6	-0.3	0.9	0	0	10	01	1	0	1	6	1	0	0	20	0
	1730	1075	1524.9	895.4	-0.2	22.9	13.8	5.5	9.1	33	-17	2.1	+0.0	1.4	0	0	21	01	11	0	0	0	0	0	9	9	0
MAHABALESHWAR	0830	1382	1537.0	865.8	+0.8	17.9	12.5	7.6	10.6	52	-11	0.3	-2.0	10.0	0	0	30	00	11	2	16	0	0	1	0	0	0
	1730	1382	1521.0	864.0	+1.1	21.4	15.0	9.9	12.4	49	-13	1.0	-1.7	8.9	0	0	30	02	13	2	5	0	0	0	8	0	0
MERCARA	0830	1152	1520.7	887.6	+0.9	17.5	14.5	12.2	14.3	72	-11	3.6	-0.6	22.7	0	19	11	00	28	2	0	0	0	0	0	0	0
	1730	1152	1498.0	884.7	+0.2	22.2	16.2	11.7	14.0	53	-20	3.7	-0.6	8.8	0	1	29	05	24	1	0	0	0	0	0	0	0
OOTACAMUND	0830	2249	1532.4	781.3	+1.1	11.9	9.1	6.9	9.7	72	-10	2.4	-1.5	0.4	0	0	3	00	2	1	0	0	0	0	0	27	0
	1730	2249	1495.8	778.8	+0.1	15.0	12.0	9.7	12.1	71	- 9	3.0	-2.5	0.2	0	0	3	00	1	1	0	1	0	0	0	27	0
COONOOR	0830		..	..	..	16.7	12.3	8.7	11.4	62	-15	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KODAIKANAL	0830	2343	3161.3	772.3	+0.3	13.6	10.7	8.4	11.0	73	-10	5.1	-0.1	11.0	0	2	28	01	8	8	9	3	0	0	1	0	0
	1130	2343	3165.7	772.2	..	15.7	12.0	8.8	11.6	68	..	5.7	..	10.6	0	1	29	02	8	5	10	3	0	0	2	0	0
	1730	2343	3138.9	770.5	+0.2	12.7	11.0	9.5	12.0	83	- 9	5.7	-1.0	6.6	0	0	26	03	7	3	4	2	0	1	6	4	0
NEPAL																											
KATMANDU	0830	1324	1531.5	871.7	-0.8	9.2	8.1	7.2	10.1	87	+ 0	3.6	-0.9	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1130	1324	1526.1	870.5	..	18.1	12.2	6.9	10.0	48	..	3.4	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730	1324	1507.1	868.8	-0.5	14.2	10.9	7.9	10.7	66	- 6	3.2	+1.2	0.2	0	0	2	00	0	1	0	1	0	0	0	28	0
SIKKIM																											
LACHEN	0830		(R)																								
HYDROMETEOROLOGICAL OBSERVATORIES																											
TILAIYA	0830		..	..	..	21.2	15.6	11.0	13.1	52	..	0.4	..	3.9	0	0	20	01	0	2	0	2	3	8	4	10	0
	1730		..	..	..	22.4	15.2	9.0	11.5	43	..	0.6	..	2.8	0	0	24	03	1	0	0	0	0	12	8	6	0
HAZARIBAGH	0830	615	1015.3	946.3	..	21.1	16.5	13.4	15.4	62	..	0.5	..	1.6	0	0	16	00	1	1	1	1	6	2	4	14	0
	1730	615	1012.9	943.7	..	19.7	15.8	13.1	15.1	66	..	0.7	..	1.1	0	0	7	00	0	0	1	0	1	2	3	23	0
KONAR	0830		(R)																								
	1730		(R)																								
BOKARO	0830	242	1015.5	987.4	..	18.5	15.0	12.2	14.2	67	..	0.3	..	2.3	0	0	20	00	0	0	1	1	7	8	3	10	0
	1730	242	1012.0	984.2	..	20.1	16.2	13.3	15.3	65	..	0.4	..	1.5	0	0	16	00	0	0	1	0	8	5	2	14	0
MATTHON	0830		..	..	..	24.0	17.4	12.6	14.6	50	..	0.5	..	1.6	0	0	23	02	0	0	4	3	9	3	2	7	0
	1730		..	..	..	25.8	18.3	12.9	14.9	45	..	0.9	..	1.0	0	0	14	00	2	0	0	1	5	2	4	16	0
RAMGARH	0830		..	..	..	18.6	15.3	12.6	14.6	69	..	1.3	..	2.9	0	0	28	01	0	0	0	0	8	16	3	2	0
	1730		..	..	..	23.0	17.2	13.0	15.0	54	..	1.5	..	3.5	0	0	27	03	0	0	0	0	7	9	8	2	0
PANCHET HILLS	0830		..	..	..	20.6	16.7	13.8	15.8	65	..	0.8	..	1.5	0	0	18	00	1	0	8	0	13	0	1	12	0
	1730		..	..	..	24.2	17.5	12.5	14.5	48	..	1.3	..	0.2	0	0	3	00	2	0	1	0	0	0	0	27	0
DURGAPUR	0830		..	..	..	21.7	17.2	14.0	16.0	62	..	0.0	..	4.2	0	0	27	06	1	1	3	1	0	1	14	3	0
	1730		..	..	..	24.8	18.0	13.1	15.1	49	..	0.0	..	2.7	0	0	22	11	1	0	1	5	0	0	4	8	0
MAHANADI CATCHMENT																											
GINABAHAR	0830		..	..	..	19.3	14.7	11.3	13.4	60	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	1015.9	997.7	..	23.4	18.2	14.6	16.6	58	..	0.5	..	1.3	0	0	11	03	5	1	1	0	1	0	0	19	0
	1130	159	1014.5	996.6	..	27.4	19.7	14.7	16.7	46	..	0.7	..	2.7	0	0	23	03	5	1	0	0	2	6	6	7	0
	1730	159	1012.1	994.0	..	26.0	19.0	14.3	16.3	48	..	0.7	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.			Mean temperature in °C			Vapour pressure in mb.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or St. in gms. of normal standard inches level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MAHANADI CATCHMENT (CONTD)																											
BHIMKUND	0830				..	19.4	16.0	13.5	15.5	68	..	1.3	..	1.5	0	0	11	00	2	0	0	0	0	0	9	18	0
	1730		..		..	24.8	18.0	13.2	15.2	49	..	1.0	..	0.2	0	0	2	00	0	0	0	0	0	0	3	27	0
SONEPUR	0830		(R)																								
KHIJRAWAN	0830		..	..	..	21.9	17.4	14.2	16.3	62	..	1.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	25.2	18.1	12.8	15.0	47	..	1.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
NARMADA CATCHMENT																											
BAGRA TAWA	0830		..	..	..	19.6	14.6	10.3	12.6	55	..	0.9	..	7.5	0	0	25	00	2	6	3	9	4	0	1	5	0
	1730		..	..	..	27.2	18.3	11.7	13.7	39	..	1.0	..	4.5	0	0	21	01	2	3	12	3	0	0	0	9	0
PUNASA	0830		..	..	..	23.1	15.2	8.1	10.9	39	..	.	..	4.0	0	0	28	00	18	0	4	0	6	0	0	2	0
	1730		..	..	..	30.3	21.0	14.7	17.3	37	..	.	..	3.1	0	0	26	00	17	0	3	0	6	0	0	3	0
THIKRI	0830		..	..	..	26.4	18.3	12.3	14.4	42	..	0.9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																											
DAROI	0830		..	..	..	20.1	14.7	10.0	12.3	52	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	30.1	19.5	11.5	14.1	37	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GANDAK CATCHMENT																											
JAMOSOM	0830		(R)																								
	1730		(R)																								
KHUDI BAZAR	0830		..	..	..	14.8	11.3	8.2	11.0	65	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	16.8	13.1	10.2	12.5	66	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830		..	..	..	6.7	4.5	1.8	7.0	72	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	12.0	8.3	4.7	8.6	62	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
POKHARA	0830		..	..	..	15.3	12.2	9.7	12.1	69	..	2.2	..	0.4	0	0	5	01	0	0	2	1	0	0	1	25	1
	1130		..	..	..	19.7	14.0	9.4	11.9	52	..	2.3	..	2.9	0	0	26	00	1	0	12	9	3	0	1	4	0
	1730		..	..	..	16.1	13.2	10.9	13.1	72	..	4.4	..	0.6	0	0	6	03	1	0	1	0	0	0	1	24	0
GORKHA	0830		..	..	..	15.5	12.1	9.3	11.8	67	..	1.9	..	..	..	..	..	00	1	4	3	9	10	0	0	3	0
	1130		..	..	..	18.4	14.0	10.7	12.9	61	..	2.4	..	..	..	..	..	00	0	0	4	11	14	1	0	0	0
	1730		..	..	..	16.1	12.6	9.7	12.1	66	..	3.2	..	..	..	..	..	04	3	1	1	6	5	3	1	6	0
NUWAKOT	0830		..	..	..	14.9	11.9	9.3	11.8	70	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	16.4	12.2	8.5	11.3	60	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT (TRANS																											
DAILEKH	0830		(R)																								
	1730		(R)																								
GHAGHARA CATCHMENT																											
SALLYANA	0830		..	..	..	13.9	9.7	5.3	9.0	57	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	14.2	10.1	5.8	9.3	58	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BUTWAL	0830		..	..	..	20.9	15.6	11.3	13.5	55	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	20.8	16.6	13.4	15.5	63	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BAGHMATI CATCHMENT																											
KATMANDU	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
KOSI CATCHMENT																											
CHAUTARA	0830		(R)																								
	1730		(R)																								
WALUNGCHUNG GOLA	0830		..	..	..	2.9	1.6	0.2	6.2	83	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	0.9	0.1	-0.9	5.7	88	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHOK	0830		(R)																								
	1730		(R)																								
BHOJPUR	0830		..	..	..	13.9	10.2	7.1	10.2	65	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	11.5	9.5	7.7	10.6	78	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TAPLEJUNG	0830		..	..	..	10.4	7.9	5.6	9.2	73	..	3.9	..	0.6	0	0	6	02	0	0	3	1	0	0	2	24	0
	1130		..	..	..	14.2	10.1	6.5	9.7	61	..	4.7	..	4.9	0	0	29	05	0	1	0	6	4	7	5	1	1
	1730		..	..	..	11.0	8.5	6.1	9.4	72	..	5.2	..	5.4	0	0	21	01	1	1	5	12	0	1	1	5	0
OKHALDHUNGA	0830		..	..	..	11.4	8.9	6.7	9.9	74	..	2.5	..	0.7	0	0	9	00	0	0	1	4	1	3	0	21	0
	1130		..	..	..	14.9	10.4	6.6	9.9	59	..	3.4	..	0.9	0	0	8	00	0	0	0	3	1	4	0	22	0
	1730		..	..	..	10.2	8.3	6.6	9.8	79	..	4.1	..	5.3	0	0	23	02	0	0	0	1	1	17	2	7	0
CHAINPUR	0830		..	..	..	14.0	10.9	8.0	10.9	67	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	15.0	12.3	10.0	12.4	73	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ANGBUNG	0830		(R)																								
	1730		(R)																								

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – NOVEMBER, 1967. (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gen. of mean sea level isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point				Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
KOSI CATCHMENT (CONTD.)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BARAHAKSHETRA	0830	146	1017.5	1000.4	..	17.5	14.5	11.9	14.1	71	..	1.0	..	3.1	1	0	29	01	9	1	0	2	6	0	1	1	0
	1130	146	1015.1	998.4	..	23.9	17.7	13.2	15.3	52	..	1.9	..	2.4	0	0	24	02	0	1	0	0	7	12	2	6	0
	1730	146	1013.3	996.3	..	19.3	16.6	14.6	16.7	75	..	1.9	..	1.9	0	0	25	00	5	15	2	0	2	1	0	5	0
TISTA CATCHMENT																											
GANGTOK	0830	1812	1532.7	822.3	..	9.9	7.9	5.7	9.1	77	..	4.1	..	0.7	0	0	7	01	4	0	0	2	0	0	0	23	0
	1130	1812	1518.2	821.3	..	14.9	10.5	6.8	9.9	60	..	4.9	..	4.9	0	0	25	00	0	0	1	7	17	0	0	5	0
	1730	1812	1506.8	819.9	..	10.8	8.7	6.8	9.9	78	..	6.8	..	3.0	0	0	16	01	0	1	5	5	3	0	1	14	0
GEZING		1324	..	..	..	12.2	10.3	8.7	11.2	80	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
		1324	..	..	..	12.0	10.3	8.9	11.4	82	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

MONTHLY MEANS OF UPPER WINDS

During the month, observations of velocity and direction of upper winds were made at 55 stations in India. Out of these, at 40 stations all the observations were taken by means of pilot balloons and at 15 stations some observations were made by means of pilot balloons while the other observations by the radiowind method. In the case of Bangalore, the observations were taken by following radiosonde balloon by means of an optical theodolite. Particulars of these stations, their co-ordinates and the approximate times of the regular pilot balloon and rawin ascents at each station are given in the table overleaf. All radiowind ascents have been indicated by means of an asterisk (*) against the scheduled hours.

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

Data upto 9.0 km. above mean sea level are given under Table IV and data above 9.0 km. above mean sea level under Table V.

In Tables IV and V :

N = represents the number of observations;

S = represents the mean wind speed in metres per second irrespective of direction;

V = represents the resultant mean velocity in metres per second;

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

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

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

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS IN INDIA

S. No.	Station	Latitude ° ' N	Longitude ° ' E	Height of anemometer head a.m.s.l. in metres	Date of Opening	Approximate times of flight (I. S. T.)			
1.	Agartala	23 53	91 15	17	28th Nov. 1951	0530	1130	1730	2330
2.	Ahmadabad	23 04	72 38	61	19th May. 1928	0530*	1130	1730*	2330
3.	Allahabad/Bamhrauli	25 27	81 44	103	28th Feb. 1930	0530		1730	2330
4.	Ambala	30 23	76 46	229	1st Apr. 1941	0530	1130	1730	2330
5.	Amini	11 07	72 44	14	15th May. 1965	0530		1730	2330
6.	Anantapur	14 41	77 37	365	12th Feb. 1946	0530		1730	2330
7.	Asansol	23 41	86 59	135	29th May. 1942	0530	1130	1730	2330
8.	Aurangabad/Chikalthan	19 51	75 24	583	7th Oct. 1951	0530		1730	2330
9.	Bahraich	27 34	81 36	134	1st Oct. 1961	0530	1130	1730	
10.	Bangalore	12 58	77 35	936	19th May. 1915	0530●	1130	1730●	2330
11.	Bareilly	28 22	79 24	181	12th Jan. 1943	0530		1730	
12.	Begampet	17 27	78 28	543	1st Sep. 1929	0530	1130	[illegible]	2330
13.	Bhagalpur	25 14	86 57	61	19th May. 1950	0530		1730	
14.	Bhopal/Bairagarh	23 17	77 21	532	26th Feb. 1943	0530		1730	2330
15.	Bhubaneshwar	20 15	85 50	54	5th Dec. 1942	0530	1130	1730	2330
16.	Bhuj/Rudramata	23 15	69 48	90	14th Sep. 1937	0530		1730	2330
17.	Bikaner	28 00	73 18	229	18th Oct. 1946	0530		1730	2330
18.	Bombay/Santacrux	19 07	72 51	27	14th May. 1933	0530*	1130	1730*	2330
19.	Calcutta/Dum Dum	22 39	88 27	13	14th May. 1921	0530*	1130	1730*	2330
20.	Cochin/Willingdon +	09 56	76 14	13	16th Mar. 1942	0530		1730	2330
21.	Dehra Dun	30 19	78 03	692	1st Oct. 1958	0530		1730	
22.	Dibrugarh/Mohanbari	27 29	95 01	122	1st Jun. 1948	0530	1130	1730	2330
23.	Gadag	15 25	75 38	650	3rd May. 1943	0530		1730	2330
24.	Gangtok	27 20	88 16	1764	1st May. 1963	0530		1730	
25.	Gauhati	26 05	91 43	55	12th Mar. 1955	0530*	1130	1730*	2330
26.	Gaya	24 45	84 57	119	19th Mar. 1937	0530	1130	1730	2330
27.	Goa/Dabolim	15 23	73 49	228	Jul. 1965	0530		1730	2330
28.	Gopalpur	19 16	84 53	24	15th Feb. 1946	0530		1730	2330
29.	Gorakhpur	26 45	83 22	83	5th Jan. 1943	0530		1730	
30.	Gwalior	26 14	78 15	208	7th May. 1938	0530	1130	1730	2330
31.	Imphal/Tulihal	24 46	93 54	782	8th Mar. 1952	0530	1130	1730	2330
32.	Jabalpur	23 10	79 57	402	30th Jul. 1928	0530		1730	2330
33.	Jagdalpur	19 05	82 02	562	25th Mar. 1948	0530		1730	2330
34.	Jaipur/Sanganer	26 49	75 48	403	6th Jun. 1953	0530		1730	2330
35.	Jamshedpur	22 49	86 11	144	23rd Jul. 1942	0530		1730	
36.	Jharsuguda	21 55	84 05	240	1st May. 1944	0530		1730	2330
37.	Jodhpur	26 18	73 01	229	15th Oct. 1934	0530*	1130	1730*	2330
38.	Lucknow/Amausi	26 45	80 53	133	20th Nov. 1950	0530*	1130	1730*	2330
39.	Madras/Minambakkam	13 00	80 11	29	8th Apr. 1926	0530*	1130	1730*	2330
40.	Mangalore/Bajpe	12 55	74 53	104	25th May. 1959	0530		1730	2330
41.	Minicoy	08 18	73 00	15	14th Apr. 1941	0530	1130	1730*	2330
42.	Nagpur/Sonegaon	21 06	79 03	316	23rd Apr. 1943	0530*	1130	1730*	2330
43.	New Delhi/Safdarjung	28 35	77 12	227	20th Oct. 1936	0530*	1130	1730*	2330
44.	Poona	18 32	73 51	593	5th Jan. 1925	0530		1730	2330
45.	Port Blair	11 40	92 43	95	29th Oct. 1945	0530*	1130	1730*	2330
46.	Raipur	21 14	81 39	308	15th Jul. 1944	0530		1730	2330
47.	Raxaul	26 59	84 51	83	28th Oct. 1957	0530		1730	
48.	Srinagar	34 05	74 48	1595	1st Aug. 1962	0530*		1730*	
49.	Tiruchchirappalli	10 46	78 43	96	22nd Jun. 1936	0530		1730	2330
50.	Trivandrum	08 29	76 57	73	8th Dec. 1928	0530*	1130	1730*	2330
51.	Udaipur	24 35	73 42	587	24th Jun. 1947	0530		1730	2330
52.	Vengurla	15 52	73 38	8	22nd Nov. 1941	0530		1730	2330
53.	Veraval	20 54	70 22	17	13th Oct. 1941	0530		1730	2330
54.	Vijaywada/Gannavaram	16 32	80 48	32	8th Apr. 1942	0530		1730	2330
55.	Vishakhapatnam	17 43	83 14	10	24th Sep. 1928	0530*	1130	1730*	2330

* Radio wind ascents.

● Radiosonde ascents followed by optical theodolite.

\+ Naval Meteorological Office.

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

NOVEMBER,1967 (KARTIKA 10 - AGRAHAYANA 9,1889 SAKA)

STATION	AGARTALA												AHMADABAD											
TIME IN I.S.T.	0530				1730				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	00.1	00.1	153	30	00.4	00.3	320	30	00.5	00.3	036	30	00.5	00.4	045	30	01.9	01.4	073	30	01.4	00.7	345
.15 A.G.L.	30	02.4	01.6	047	30	02.5	02.1	331	30	02.6	02.1	003	30	05.7	03.4	029	30	02.9	01.8	058	30	03.5	01.9	338
.3A.M.S.L.	30	02.3	01.8	040	30	02.4	01.9	328	30	02.6	02.1	340	30	05.7	03.3	030	30	02.8	01.6	055	30	03.4	01.8	328
.6 ,,	30	02.3	01.7	032	30	02.2	01.5	327	30	02.6	02.1	320	30	04.8	02.9	017	30	03.1	01.0	066	30	03.1	01.8	334
.9 ,,	30	02.7	01.6	017	30	02.1	00.9	318	30	03.0	02.2	310	30	04.1	02.3	003	30	03.3	00.4	351	30	02.9	01.7	335
1.5 ,,	30	03.3	01.7	305	30	03.2	01.0	268	30	03.6	01.9	261	30	03.2	01.3	294	30	03.4	01.3	274	30	02.8	01.7	342
2.1 ,,	30	04.7	03.6	283	30	04.3	02.9	282	30	04.2	03.1	255	30	04.6	02.4	272	30	03.5	02.2	273	30	03.3	02.0	328
3.0 ,,	30	07.6	06.8	271	30	07.5	06.9	271	30	07.8	06.9	273	29	05.9	03.4	285	30	05.1	03.4	287	30	05.6	03.6	318
3.6 ,,	30	09.8	09.1	267	30	10.3	09.7	271	01	06.0	06.0	285	29	06.8	05.1	308	30	06.3	05.1	295	30	06.4	05.3	307
4.5 ,,	27	13.0	12.0	267	28	14.7	13.9	265					29	09.6	08.5	305	30	10.4	09.7	294	30	09.7	09.0	303
5.4 ,,	27	17.8	16.9	265	26	19.5	18.3	265					28	13.8	12.8	301	30	14.7	14.0	289	28	13.9	13.1	300
6.0 ,,	24	20.9	20.9	264	24	20.6	19.3	265					27	16.7	15.9	297	30	17.3	16.7	289	28	16.6	15.9	302
7.2 ,,	06	24.2	24.0	253	07	24.3	20.6	274					25	21.4	20.6	295	27	22.8	21.9	286	27	23.6	22.3	300
9.0 ,,	01	22.0	22.0	270	02	22.0	15.9	333					19	32.2	31.0	298	20	31.1	19.7	283	23	32.7	30.9	296

STATION	AHMADABAD				ALLAHABAD/BAMHRAULI								AMBALA							
TIME IN I.S.T.	2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	01	08.0	08.0	280	18	17.6	17.1	293	29	14.6	13.8	288	01	15.0	15.0	295	19	12.3	11.8	293
0.00 A.G.L.	30	00.3	00.3	333	30	00.1	00.0	337	30	00.3	00.3	329	30	00.2	00.1	008	30	00.3	00.1	135
.1A.M.S.L.	30	04.2	02.4	348	30	03.6	01.1	129	30	03.6	02.8	337	30	04.4	03.0	022	29	04.8	01.7	333
.3 ,,	30	03.9	02.2	350	30	03.7	01.3	114	30	03.6	03.0	335	30	04.6	03.0	019	29	01.9	00.7	355
.6 ,,	30	03.3	01.7	350	30	03.3	00.9	036	30	03.7	03.0	327	30	04.0	02.4	004	29	05.2	02.4	318
.9 ,,	30	03.0	01.2	342	30	03.3	01.5	338	30	03.6	03.0	320	30	03.7	02.3	331	29	05.4	03.3	314
1.5 ,,	30	03.3	00.9	310	30	05.0	04.4	311	30	04.4	04.1	308	30	04.7	04.3	291	29	05.3	04.1	305
2.1 ,,	30	04.6	01.4	280	30	08.2	07.7	310	30	06.6	06.0	303	30	07.1	06.7	290	29	06.0	04.3	302
3.0 ,,	30	05.7	03.1	295	28	11.1	10.8	297	29	09.1	08.5	295	27	10.2	09.6	294	26	07.1	05.9	302
3.6 ,,	07	07.6	05.0	278	27	12.1	11.9	297	29	11.0	10.3	289	05	12.6	12.4	297	22	08.2	07.1	297
5.4 ,,					18	15.6	15.0	283	26	16.9	16.2	285					18	17.7	16.7	290
6.0 ,,					13	17.2	16.8	276	14	18.0	17.4	281					18	20.6	19.6	286
7.2 ,,					04	24.5	24.3	258	03	25.3	20.7	288					03	21.3	21.2	278
9.0 ,,																				

STATION	AMBALA								AMINI												AMANTAPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	00.7	00.5	310	30	01.1	00.7	326	30	01.0	00.8	041	30	01.6	01.0	052	30	00.6	00.4	077	30	00.7	00.6	092
4.50 A.G.L.	18	10.8	09.6	298					20	04.9	03.9	077	21	05.3	04.5	069	07	04.4	02.7	094	28	03.6	01.6	360
.1A.M.S.L.	30	04.9	03.2	301	30	07.4	05.6	328	30	04.0	02.8	035	30	03.5	02.6	051	30	03.0	01.6	059	30	04.7	04.4	094
.3 ,,	30	02.5	01.8	298	30	03.5	02.5	332	30	04.3	03.1	043	30	03.9	03.1	050	30	03.0	01.6	062				
.6 ,,	30	05.4	03.6	304	30	06.8	05.3	324	30	04.5	03.5	061	30	04.3	03.6	055	30	03.5	02.4	067	30	05.6	05.4	098
.9 ,,	30	05.3	03.8	304	30	05.8	04.6	319	30	05.3	04.8	085	29	04.2	03.5	069	30	04.5	03.6	068	30	08.2	08.1	091
1.5 ,,	30	05.0	04.1	307	30	05.2	04.7	311	30	06.5	06.0	094	27	04.7	03.9	062	30	06.5	05.3	077	30	09.3	09.1	078
2.1 ,,	30	05.5	04.7	306	30	05.2	04.4	297	29	05.6	04.8	088	27	05.3	03.5	062	29	06.7	05.7	078	29	07.3	07.0	072
3.0 ,,	27	06.8	06.0	303	27	06.5	05.9	292	27	04.3	02.5	080	24	04.9	03.5	067	26	05.7	04.3	083	29	04.0	02.9	080
3.6 ,,	22	08.0	06.3	306	03	10.0	09.3	278	23	04.2	02.7	078	22	05.2	04.5	068	14	04.1	03.7	094	28	03.8	01.5	090
5.4 ,,	17	14.0	12.6	290					16	06.1	05.0	055	21	06.5	05.6	062	03	04.0	03.3	062	27	04.8	02.8	352
6.0 ,,	17	16.2	12.5	289					14	07.6	06.7	055	19	07.3	06.6	065	01	07.0	07.0	085	27	05.6	03.4	352
7.2 ,,									11	10.2	09.6	048	13	08.7	07.4	062					21	06.8	05.0	336
9.0 ,,									09	09.5	07.8	032	08	07.4	04.7	039					13	10.7	09.1	328

STATION	AMANTAPUR								ASANSOL												AURANGABAD/CHIKALTHAN			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	05.2	04.9	086	30	03.9	03.6	108	30	00.2	00.1	320	30	00.5	00.3	336	30	00.1	00.0	344	30	00.4	00.4	293
.15 A.G.L.	30	06.3	06.2	082	30	07.9	07.8	112	30	02.6	00.9	038	30	02.7	02.0	343	30	04.7	02.8	037	30	04.4	02.7	083
.3A.M.S.L.									30	02.7	00.9	039	30	03.0	02.2	342	30	04.7	03.1	035				
.6 ,,	30	06.2	06.1	084	30	08.2	08.1	110	30	03.3	01.1	356	30	03.4	02.7	328	30	04.2	02.7	019				
.9 ,,	30	06.3	06.2	085	30	08.2	08.1	105	30	03.8	02.3	334	30	03.8	03.1	322	30	03.7	02.3	348	30	06.0	03.5	111
1.5 ,,	29	06.9	06.7	084	30	06.6	06.4	077	30	05.8	05.3	313	30	04.6	04.1	310	30	04.2	03.8	296	30	05.1	03.7	101
2.1 ,,	28	05.4	05.2	076	30	06.9	06.3	066	30	07.5	07.0	308	30	05.9	05.6	310	30	07.2	06.7	298	30	03.9	02.1	068
3.0 ,,	24	02.8	01.4	027	28	02.9	01.7	051	29	09.6	09.0	298	30	09.1	08.9	294	29	08.8	08.5	297	30	04.1	01.8	340
3.6 ,,	23	02.9	01.2	354	18	03.8	01.8	042	29	11.1	10.6	291	29	11.2	10.9	287	18	08.9	08.0	284	29	05.1	03.6	314
4.5 ,,	24	03.5	01.5	338	07	03.0	01.5	276	28	14.2	13.6	281	28	15.3	14.4	299					21	08.9	07.2	316
5.4 ,,	24	04.2	01.9	348	02	04.5	02.1	311	25	17.8	17.3	276	28	18.7	17.9	279					17	11.5	09.9	298
6.0 ,,	24	05.5	03.5	326					25	21.1	20.8	272	27	23.1	22.8	278					14	12.0	11.2	293
7.2 ,,	12	08.1	07.1	319					20	26.7	25.7	271	19	27.4	26.8	270					08	14.9	13.1	284
9.0 ,,									05	37.6	36.2	272	01	26.0	26.0	270					05	10.8	09.6	286

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

NOVEMBER,1967 (KARTIKA 10 - AGRAHAYANA 9,1889 SAKA)

STATION	AURANGABAD/CHIKALTHAN								BAHRAICH												BANGALORE			
TIME IN I.S.T.	1730				2330				0530				1130				1730				0530@			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.8	01.0	093	30	00.4	00.4	067	30	00.7	00.3	298	30	00.8	00.4	290	30	01.1	00.7	290	30	03.9	03.6	073
.15 A.G.L.	30	03.9	01.5	093	30	04.9	03.9	083	23	02.7	01.4	293	29	02.1	01.3	286	28	03.1	02.6	292	24	07.2	07.1	080
.3A.M.S.L.									23	02.6	01.4	285	29	02.1	01.3	284	28	03.2	02.7	289				
.6 ,,									23	03.3	02.7	302	29	02.8	02.4	284	28	03.3	03.0	291				
.9 ,,	30	03.5	01.0	070	30	06.2	04.7	079	23	04.2	03.4	302	29	03.5	03.1	282	28	04.0	03.6	291				
1.5 ,,	30	03.7	01.6	057	30	05.8	04.6	091	21	06.0	05.6	303	29	05.4	04.5	297	28	05.9	05.4	292	23	08.2	07.9	076
2.1 ,,	30	03.5	01.9	044	30	04.6	03.3	092	16	07.1	06.3	301	24	07.9	06.6	298	25	07.7	06.3	299	24	05.4	04.9	082
3.0 ,,	30	04.2	02.8	030	30	03.8	01.2	093	05	07.8	07.8	312	18	07.6	07.5	306	14	08.2	07.5	300	23	03.7	02.8	065
3.6 ,,	29	04.4	02.4	360	28	04.6	01.6	311	02	06.0	06.0	285	14	08.0	07.0	286	06	08.8	08.7	303	23	02.4	02.1	067
4.5 ,,	27	06.8	04.9	301	26	07.1	06.3	297	02	08.0	07.9	300	12	09.6	09.2	288	04	08.2	08.0	296	22	03.9	02.2	047
5.4 ,,	24	10.1	09.0	292	13	11.5	10.5	291	02	08.5	08.3	278	08	09.1	08.5	271	04	12.0	11.2	283	22	04.5	03.0	025
6.0 ,,	22	12.1	11.1	292	11	14.2	13.4	291	01	12.0	12.0	270	07	11.3	10.9	267	02	10.0	09.0	285	22	04.9	02.8	019
7.2 ,,	20	16.5	15.7	293	07	16.1	15.8	287					05	18.6	18.0	263					22	06.8	04.8	004
9.0 ,,	16	22.1	21.1	289	01	17.0	17.0	265					01	29.0	29.0	265					16	09.4	07.8	325

STATION	BANGALORE								BAREILLY								BEGAMPET			
TIME IN I.S.T.	1130				1730@				2330				0530				1730				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	04.7	04.4	073	30	03.7	03.5	079	30	03.7	03.7	087	30	00.5	00.2	343	30	01.0	00.9	283	30	00.9	00.9	100
.15 A.G.L.	30	06.6	06.5	076	28	05.5	05.1	080	27	09.0	08.9	087	30	03.4	01.6	326	29	03.8	03.6	296	30	04.7	04.2	119
.3A.M.S.L.													30	03.5	01.2	336	29	03.6	03.3	294				
.6 ,,													30	04.1	02.9	308	29	04.6	04.4	298	30	04.6	04.1	118
.9 ,,													30	04.3	03.5	303	29	05.3	05.1	299	30	05.2	04.7	108
1.5 ,,	29	06.9	06.8	082	28	06.1	05.9	079	27	08.6	08.4	081	29	06.8	06.4	300	29	05.8	05.6	293	30	05.5	04.6	078
2.1 ,,	25	05.4	05.1	083	27	05.1	05.3	079	27	05.9	05.1	076	29	09.2	08.8	302	29	07.1	06.7	294	30	06.5	05.9	037
3.0 ,,	25	03.4	02.6	080	25	03.4	02.1	071	26	04.1	03.3	079	25	09.5	09.2	302	27	09.3	09.0	299	30	05.0	03.6	007
3.6 ,,	24	03.5	02.4	065	23	02.9	01.3	060	26	03.4	02.5	078	22	08.9	08.5	301	22	10.7	10.4	297	30	05.6	03.7	318
4.5 ,,	24	03.8	02.4	051	22	03.5	01.5	040	22	03.8	02.2	091	16	09.4	08.8	300	15	12.4	10.1	297	30	06.3	04.8	303
5.4 ,,	24	04.7	02.8	050	21	04.3	02.4	040	13	03.5	01.7	033	09	11.9	11.1	285	10	14.1	13.7	289	30	07.1	06.1	294
6.0 ,,	24	05.0	03.1	043	21	04.9	02.5	023	08	03.9	02.3	032	08	12.4	11.7	281	09	14.0	13.4	286	30	08.4	07.0	292
7.2 ,,	23	06.4	04.4	011	19	06.3	04.4	353	05	04.2	01.7	041	05	13.4	12.8	262	06	14.8	14.5	278	30	11.0	09.5	288
9.0 ,,	20	08.0	05.7	339	17	09.5	07.2	324	01	04.0	04.0	030	03	21.3	21.1	262	02	26.5	26.5	258	30	16.2	14.4	292

STATION	BEGAMPET								BHAGALPUR								BHOPAL/BAIRAGARH			
TIME IN I.S.T.	1130				1730*				2330				0530				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.9	01.6	105	30	02.7	02.6	086	30	01.4	01.2	095	30	00.5	00.2	189	30	00.8	00.5	326	30	01.5	00.9	131
.15 A.G.L.	30	03.8	03.3	108	30	04.7	04.3	085	30	06.0	05.4	101	28	02.2	01.1	166	30	03.1	01.8	329	30	05.7	03.0	135
.3A.M.S.L.													28	02.2	00.9	150	30	03.0	01.8	323				
.6 ,,	30	03.2	02.7	111	30	04.8	04.4	085	30	04.5	04.0	101	28	02.6	00.3	077	30	02.9	02.0	318	30	04.7	02.5	131
.9 ,,	30	04.0	03.6	101	30	04.9	04.6	083	30	06.2	05.6	100	28	03.0	00.9	320	30	03.1	02.4	299	30	05.4	02.2	174
1.5 ,,	30	05.8	05.4	073	30	04.8	04.6	076	30	05.5	05.1	082	28	05.3	04.1	311	30	04.8	04.3	281	30	03.8	01.9	269
2.1 ,,	30	06.9	06.4	044	30	04.6	04.1	054	30	04.7	04.2	039	28	08.2	06.3	307	30	07.1	06.5	285	30	05.0	04.0	246
3.0 ,,	29	05.3	03.6	019	30	03.8	01.6	351	30	04.1	02.7	333	15	09.2	06.8	316	24	10.0	09.4	284	30	06.3	05.2	299
3.6 ,,	26	04.9	02.9	331	30	04.6	03.0	308	05	03.0	01.7	290	11	12.0	11.0	294	19	11.4	10.9	280	29	07.7	06.9	304
4.5 ,,	24	05.5	04.2	299	29	05.7	04.6	287					06	12.8	11.9	279	07	11.3	10.6	280	27	11.0	10.6	297
5.4 ,,	23	06.7	06.1	301	29	07.0	05.9	292					02	18.0	17.9	300	02	18.0	17.5	276	26	15.7	14.9	292
6.0 ,,	23	07.9	06.9	293	29	09.3	07.8	298													25	18.3	17.2	290
7.2 ,,	19	10.6	09.8	291	28	13.4	12.3	286													23	23.2	22.1	283
9.0 ,,	15	14.1	12.7	285	26	17.5	15.5	287													11	28.9	27.6	269

STATION	BHOPAL/BAIRAGARH								BHUBANESWAR								BHUJ/RUDRAMATA			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.6	00.7	334	30	02.3	01.0	074	30	01.1	00.7	327	30	02.1	00.8	118	30	01.4	01.1	207	30	00.6	00.3	252
.15 A.G.L.	30	03.0	01.5	335	30	06.4	03.1	082	30	02.8	01.6	281	30	03.1	01.8	109	30	04.1	03.3	182	30	04.5	02.9	327
.3A.M.S.L.									30	03.1	00.7	224	30	02.9	00.8	089	30	03.8	02.7	185	30	04.7	03.7	336
.6 ,,	30	02.7	01.2	336	30	05.6	02.5	084	30	02.9	00.9	020	30	02.8	00.9	011	30	02.9	00.6	203	30	04.3	03.3	338
.9 ,,	30	03.4	01.7	336	30	05.2	02.6	081	30	03.2	02.6	020	30	03.0	02.4	347	30	02.9	01.1	328	30	03.5	02.0	338
1.5 ,,	30	03.7	02.3	310	30	02.8	00.3	332	30	05.3	04.5	011	28	04.9	04.6	346	30	04.6	04.1	345	28	03.9	01.7	241
2.1 ,,	30	03.8	02.7	301	30	03.3	02.7	266	30	06.2	05.0	334	28	07.0	02.8	274	29	05.9	05.1	347	26	04.7	02.5	252
3.0 ,,	29	04.7	03.6	292	28	06.0	04.7	270	30	06.9	05.9	295	27	08.1	07.0	285	28	06.5	05.5	290	24	05.1	02.7	310
3.6 ,,	29	06.5	05.8	289	26	07.4	06.2	290	29	08.9	08.2	281	27	09.8	09.1	280	07	07.4	07.1	267	01	07.0	07.0	340
4.5 ,,	26	09.6	08.5	291	01	14.0	14.0	285	28	11.9	11.6	274	23	11.1	10.6	273								
5.4 ,,	26	14.9	13.8	288					27	14.5	13.9	274	20	14.0	13.7	274								
6.0 ,,	25	17.2	16.6	283					25	16.3	15.8	275	18	15.2	14.9	273								
7.2 ,,	21	22.9	22.3	282					17	18.0	17.3	266	09	17.9	17.2	275								
9.0 ,,	06	28.2	26.6	291					05	22.0	21.3	256												

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

NOVEMBER, 1967 (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

STATION	BHUJ/RUDRAMATA								BIKANER												BOMBAY/SANTACRUZ			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	02.2	01.3	326	30	01.2	00.5	246	30	00.3	00.1	060	30	00.7	00.5	003	30	00.7	00.7	040	30	01.4	01.1	060
.15 A.G.L.	30	03.8	02.3	335	30	05.1	04.3	320	29	06.7	04.6	109	29	03.1	01.6	360	30	09.5	07.7	068	30	04.7	03.7	050
.3A.M.S.L.	30	03.9	02.5	330	30	05.4	04.5	323	29	06.3	03.4	104	29	03.1	01.9	011	30	07.9	06.3	063	30	05.1	03.8	053
.6 ,,	30	03.6	02.3	304	30	04.5	03.5	336	29	06.8	02.8	116	30	03.9	01.9	360	30	07.7	05.9	067	30	05.9	04.2	059
.9 ,,	30	03.3	02.0	302	30	03.8	01.9	344	29	04.6	00.2	206	30	03.4	01.5	355	30	05.5	03.3	063	30	05.8	03.7	059
1.5 ,,	30	03.2	01.8	270	30	04.2	00.2	066	29	04.6	03.1	293	30	03.6	01.1	279	30	04.2	01.8	234	30	04.4	02.0	086
2.1 ,,	30	04.0	01.8	263	30	04.9	00.8	230	29	05.9	04.7	290	30	04.5	03.2	263	29	05.7	04.9	254	30	03.7	02.1	135
3.0 ,,	29	05.0	02.6	290	30	05.8	02.3	277	29	07.4	06.1	292	27	07.0	06.0	280	27	07.9	06.8	266	30	03.6	00.4	059
3.6 ,,	27	05.7	04.2	294	02	09.5	09.1	300	25	08.1	07.4	302	25	09.3	08.7	290	11	09.0	08.1	285	30	05.5	03.6	327
4.5 ,,	27	08.3	07.6	300					23	11.0	10.5	292	22	11.7	11.0	292	02	11.5	11.1	311	29	06.7	05.9	315
5.4 ,,	27	11.8	11.1	295					22	14.7	14.0	289	21	15.5	14.8	289					29	08.9	08.1	310
6.0 ,,	27	13.6	12.9	295					21	18.0	17.2	290	16	18.3	17.3	287					29	10.2	09.5	306
7.2 ,,	15	16.9	16.5	290					08	23.0	22.1	297	02	26.0	26.0	286					28	13.0	12.1	295
9.0 ,,									03	27.0	26.0	279									28	19.6	18.1	291

STATION	BOMBAY/SANTACRUZ												CALCUTTA/DUM DUM											
TIME IN I.S.T.	1130				1730*				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.5	01.2	102	30	03.2	03.0	312	30	00.1	00.1	028	30				30	00.7	00.5	349	30	00.1	00.1	315
.15 A.G.L.	30	03.2	02.3	091	30	05.1	04.6	322	30	04.0	02.2	017	30	03.1	02.1	024	30	02.1	01.7	352	30	03.9	03.6	329
.3A.M.S.L.	30	03.3	02.5	094	30	04.7	03.9	318	30	04.0	02.1	010	30	03.1	02.1	017	30	02.3	01.9	345	30	05.7	03.6	330
.6 ,,	30	04.4	03.1	095	30	03.9	02.5	333	30	03.2	01.7	358	30	03.3	02.2	002	30	02.7	02.2	335	30	03.7	03.4	3[illegible]
.9 ,,	30	04.6	03.4	094	30	03.2	01.8	023	30	03.2	02.3	343	30	03.6	02.7	350	30	03.7	03.0	325	30	03.7	03.5	3[illegible]
1.5 ,,	30	03.7	02.1	091	30	03.9	03.0	073	30	04.8	04.2	325	30	05.8	05.3	333	29	05.5	04.6	324	30	04.4	03.6	345
2.1 ,,	30	03.5	01.2	073	30	04.8	03.8	088	30	06.3	05.8	328	30	07.0	06.6	323	28	06.5	06.1	318	30	06.2	05.5	327
3.0 ,,	30	04.3	02.4	337	30	05.1	03.6	067	26	08.7	08.2	293	30	08.0	07.3	293	27	08.3	07.6	292	30	08.1	07.7	297
3.6 ,,	29	04.7	03.6	309	30	04.4	03.0	007	03	08.0	07.6	274	30	09.7	09.1	283	26	10.6	09.8	281	30	10.9	10.5	286
4.5 ,,	29	06.3	05.4	300	30	06.6	05.6	310					30	13.0	12.7	276	24	14.5	14.1	273	30	14.1	13.5	275
5.4 ,,	29	08.8	07.8	299	30	08.6	07.6	306					30	17.3	16.8	271	23	18.8	18.6	266	30	17.9	17.7	275
6.0 ,,	29	10.5	09.4	298	30	10.3	09.5	302					30	20.3	19.9	269	22	21.5	21.1	268	30	20.6	20.0	275
7.2 ,,	26	14.4	13.2	287	30	14.4	13.3	300					30	27.1	26.3	271	18	27.3	25.[illegible]	269	30	27.5	27.0	274
9.0 ,,	19	20.9	19.6	282	30	19.9	18.3	288					30	32.0	30.9	267	11	34.9	33.7	265	28	34.3	33.5	272

STATION	CALCUTTA/DUM DUM				COCHIN/WILLINGDON								DEHRADUN							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	00.9	00.7	014	30	00.6	00.6	052	30	03.0	02.3	269	30	00.5	00.4	084	30	00.2	00.1	017	30	00.5	00.4	269
.15 A.G.L.	30	03.7	03.1	017	29	03.8	03.4	081	29	03.9	03.1	277	29	02.9	01.6	129	30	01.5	01.0	069	29	02.6	02.2	270
.3A.M.S.L.	30	04.5	04.1	002	29	03.2	02.4	087	29	03.3	02.2	308	29	02.9	01.6	132								
.6 ,,	30	04.6	04.1	011	29	02.7	01.7	083	29	03.4	02.3	010	29	03.9	03.0	110								
.9 ,,	30	04.6	03.6	028	29	02.7	01.9	059	29	04.1	03.1	049	29	04.2	03.7	102	30	01.3	00.9	100	29	02.8	02.3	267
1.5 ,,	30	04.2	02.8	065	29	03.3	02.5	088	28	05.1	04.5	091	29	04.2	02.6	087	30	01.8	00.7	162	29	02.5	02.0	279
2.1 ,,	30	05.4	04.9	108	29	04.3	02.9	097	27	04.7	03.6	085	27	04.7	03.8	086	30	02.6	01.5	272	29	03.1	02.3	301
3.0 ,,	30	04.2	01.4	097	12	04.4	03.3	067	25	04.2	03.3	078	08	04.6	03.5	076	30	04.9	04.2	300	29	04.4	03.7	311
3.6 ,,	14	04.3	03.7	320	05	04.6	03.4	067	23	05.1	04.6	082	03	03.0	02.6	024	30	06.2	05.3	307	28	06.2	05.4	313
4.5 ,,	05	07.2	06.1	321	02	05.0	04.9	084	12	05.0	04.3	053	02	04.0	03.7	054	30	08.5	07.4	294	28	09.2	08.3	303
5.4 ,,	02	09.0	08.9	319	01	06.0	06.0	099	03	05.0	05.0	066					28	11.6	10.9	288	24	13.1	12.2	294
6.0 ,,	02	09.5	09.2	302	01	04.0	04.0	071									27	13.1	12.5	236	24	17.5	16.3	293
7.2 ,,																	18	17.1	15.7	282	15	22.1	21.0	281
9.0 ,,																	11	18.7	17.4	277	06	30.0	29.6	271

STATION	DIBRUGARH/MOHANBARI																GADAG							
TIME IN I.S.T.	0530				1130				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	00.8	00.6	050	30	01.3	01.0	043	07	01.1	01.1	063	30	00.3	00.2	062	30	04.9	04.5	121	30	04.7	04.4	092
.15 A.G.L.	30	04.4	03.8	059	30	02.9	02.5	040	30	02.3	02.0	071	29	03.4	03.1	045	30	09.1	08.7	117	30	07.2	07.1	085
.3A.M.S.L	30	04.5	03.9	052	30	02.9	02.4	042	30	02.4	02.1	074	29	03.1	02.8	047								
.6 ,,	30	04.1	03.5	042	30	03.3	02.7	042	30	02.5	02.3	065	29	02.8	02.0	047								
.9 ,,	30	03.8	03.3	047	30	03.3	02.6	050	30	02.8	02.4	064	29	03.2	03.0	055	30	10.3	10.1	112	30	07.3	07.1	068
1.5 ,,	30	02.7	01.9	071	30	02.3	01.3	075	30	02.1	00.8	091	29	02.5	01.8	066	30	10.9	10.6	085	30	06.8	06.8	065
2.1 ,,	29	02.6	01.0	133	30	02.8	01.4	188	30	03.2	02.4	201	29	02.4	01.0	191	30	09.1	08.6	066	29	06.0	05.7	074
3.0 ,,	24	03.1	01.5	191	29	04.9	03.5	200	30	04.9	04.2	214	28	04.0	03.4	230	30	04.5	03.3	071	29	04.2	02.9	049
3.6 ,,	18	04.0	02.4	240	26	05.7	04.5	228	27	06.2	05.5	234	15	04.9	03.3	230	28	03.9	02.2	073	26	04.2	02.4	024
4.5 ,,	15	11.3	10.0	259	21	10.8	10.2	245	26	12.5	11.8	247					28	04.3	02.0	360	23	04.4	02.8	360
5.4 ,,	14	15.7	14.6	259	22	16.3	15.8	250	24	16.8	16.0	257					27	04.9	03.5	350	22	05.5	03.5	350
6.0 ,,	13	19.3	18.8	257	18	19.9	19.6	249	23	20.9	20.4	257					27	05.5	04.8	347	22	06.4	04.7	341
7.2 ,,	13	27.7	27.1	262	17	25.9	24.9	255	10	23.8	22.2	255					27	07.5	06.0	322	22	09.1	07.7	320
9.0 ,,	09	39.4	38.7	261	16	36.1	34.7	256									27	11.5	09.5	304	19	12.0	10.8	303

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

NOVEMBER,1967 (KARTIKA 10 - AGRAHAYANA 9,1889 SAKA)

STATION	GADAG	GANGTOK			GAUHATI		
TIME IN I.S.T.	2330	0830	1730	0530*	1130	1730*	
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D	
SURFACE	30 05.0 04.7 101	30 00.4 00.1 013	30 01.1 00.7 178	30	30 01.9 01.7 046	30 00.5 00.1 080	
.15 A.G.L.	30 10.6 10.3 103	29 01.1 00.3 121	17 02.8 02.2 176	30 02.2 01.6 086	30 03.0 02.6 047	30 03.4 01.9 065	
.3A.M.S.L.				30 02.3 01.7 086	30 02.9 02.7 060	30 03.4 02.1 068	
.6 ,,				30 03.6 03.2 083	30 03.2 02.9 078	30 03.6 02.9 071	
.9 ,,	30 10.6 10.3 102			30 04.2 04.0 080	30 03.8 03.5 092	30 03.2 02.4 076	
1.5 ,,	30 09.4 09.3 086			30 04.4 04.0 083	30 03.7 03.0 112	30 02.6 01.0 114	
2.1 ,,	30 07.4 07.0 064	27 01.1 00.3 176	17 02.2 01.9 174	30 03.8 02.4 094	29 03.3 01.7 133	30 03.7 01.9 202	
3.0 ,,	30 04.0 02.6 052	26 01.6 01.3 148	16 01.7 00.7 011	30 04.5 01.9 233	29 04.5 03.2 244	30 05.1 04.0 231	
3.6 ,,	29 03.9 01.4 036	24 02.4 00.3 154	12 02.1 10.0 820	73 00.7 10.5 725	92 80.8 10.6 725	73 00.7 70.6 524	
4.5 ,,	18 04.1 01.0 313	21 07.5 05.8 260	06 07.5 05.9 250	30 13.4 13.0 263	27 13.2 12.5 263	30 13.1 12.7 261	
5.4 ,,	11 03.9 02.0 360	18 13.8 13.3 259	03 11.7 09.5 259	30 18.8 18.3 260	28 18.4 17.9 264	29 17.3 17.1 261	
6.0 ,,	06 05.7 05.4 330	15 16.7 16.4 260	03 12.7 12.0 265	29 22.0 21.3 261	28 22.0 21.4 264	29 21.6 20.0 263	
7.2 ,,	01 03.0 03.0 215	10 20.1 19.2 260	02 13.5 13.3 278	28 28.0 27.1 263	25 29.2 28.2 266	29 25.5 25.0 265	
9.0 ,,		03 22.7 21.0 285	01 21.0 21.0 275	27 40.1 38.3 263	09 40.9 38.7 269	25 37.3 36.9 260	

STATION	GAUHATI	GAYA			GOA/DABOLIM	
TIME IN I.S.T.	2330	0530	1730	2330	0530	1730
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	30 00.6 00.1 193	30 01.5 01.1 185	30 01.9 01.8 330	30 01.6 01.0 149	30 03.7 03.4 092	30 04.6 03.7 279
.15 A.G.L.	30 02.1 00.4 109	30 03.4 01.9 188	30 03.3 02.7 344	30 03.7 01.6 080	30 05.7 05.3 092	30 03.6 02.8 279
.3A.M.S.L.	30 02.4 01.0 071	30 03.4 01.4 180	30 03.4 03.1 327	30 03.6 01.6 057	30 05.5 05.1 097	30 03.3 02.1 289
.6 ,,	30 03.2 02.1 072	30 03.2 00.4 004	30 03.2 02.9 318	30 03.2 01.5 004	30 06.9 06.5 109	30 03.0 01.0 042
.9 ,,	30 03.0 02.1 069	30 03.9 02.0 324	30 03.1 02.7 311	30 03.7 02.7 315	30 07.5 07.0 105	30 04.3 03.7 080
1.5 ,,	30 02.4 01.3 059	30 05.9 05.3 307	30 04.3 04.1 295	30 05.9 05.5 297	30 06.7 06.4 087	30 07.6 07.4 078
2.1 ,,	28 03.0 00.6 219	30 07.7 07.0 307	30 06.7 06.3 299	30 07.9 07.6 294	30 05.5 05.0 068	29 09.2 09.0 070
3.0 ,,	25 04.6 01.9 248	30 10.6 09.9 304	30 10.5 10.1 295	29 10.3 10.1 291	16 03.9 01.7 060	29 05.4 04.7 063
3.6 ,,	05 09.2 07.6 291	29 12.0 11.2 298	30 12.1 11.9 290	02 11.0 11.0 281	08 03.5 01.5 337	27 03.9 02.7 046
4.5 ,,	01 16.0 16.0 259	22 13.6 12.9 288	30 14.9 14.3 286		01 03.0 03.0 146	25 04.1 02.8 005
5.4 ,,		14 17.3 16.7 279	28 18.9 18.1 282			24 05.2 03.6 359
6.0 ,,		14 19.1 18.0 275	28 22.7 22.2 282			24 05.2 03.5 338
7.2 ,,		07 23.6 23.5 261	15 30.6 27.3 278			09 07.6 06.8 062
9.0 ,,		02 39.0 39.0 268	01 49.0 49.0 285			02 15.0 10.1 293

STATION	GOA/DABOLIM	GORAKHPUR			GORAKHPUR	
TIME IN I.S.T.	2330	0530	1730	2330	0530	1730
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	30 02.5 02.2 039	30 02.7 02.5 334	30 02.5 02.1 131	30 01.9 01.3 263	30 00.2 00.1 023	30 00.7 00.6 288
.15 A.G.L.	30 05.5 05.2 357	30 03.9 02.9 311	30 04.0 03.4 127	30 02.8 02.1 202	30 02.8 00.4 181	30 03.2 02.7 299
.3A.M.S.L.	30 06.0 05.7 355	30 03.0 00.7 273	30 03.9 02.9 117	30 02.7 02.1 173	30 02.8 00.6 245	30 03.3 04.2 321
.6 ,,	30 05.5 04.4 009	30 02.5 00.5 121	30 03.1 02.1 066	30 02.8 01.5 144	30 03.2 01.9 295	30 03.5 03.2 288
.9 ,,	30 04.8 03.3 065	30 03.0 02.2 040	30 03.4 02.7 016	30 02.6 01.2 049	30 03.9 03.0 296	30 03.7 03.3 284
1.5 ,,	30 07.8 07.6 097	30 05.6 04.8 029	30 05.9 05.6 354	30 04.7 04.4 010	30 05.4 05.0 303	30 04.9 04.5 291
2.1 ,,	30 07.8 07.5 085	29 06.3 04.5 357	30 07.6 06.8 340	28 06.3 05.7 350	30 07.2 06.8 300	30 06.7 06.3 290
3.0 ,,	20 05.1 04.5 077	28 06.4 05.0 314	28 06.7 04.9 293	27 06.1 05.1 302	29 09.6 07.3 302	30 07.9 07.0 297
3.6 ,,	07 02.6 01.4 105	26 06.3 05.3 293	27 07.8 06.9 279	01 07.0 07.0 314	28 10.5 10.1 296	26 08.6 08.5 298
4.5 ,,		25 08.8 08.4 278	25 09.6 09.0 282		17 11.0 10.7 293	24 11.7 10.8 290
5.4 ,,		24 12.3 11.7 277	21 12.5 11.9 280		13 12.9 12.7 289	20 15.0 14.4 290
6.0 ,,		22 14.4 13.8 277	20 14.0 13.3 284		11 15.6 14.9 284	14 16.8 16.0 286
7.2 ,,		03 15.7 14.7 277	13 18.3 18.0 274		03 17.3 15.3 293	03 22.0 21.8 278
9.0 ,,			03 18.3 17.8 255		01 48.0 48.0 267	01 24.0 24.0 275

STATION	GWALIOR				IMPHAL/TULIHAL	
TIME IN I.S.T.	0530	1130	1730	2330	0530	1130
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
SURFACE	30 00.6 00.3 163	30 01.2 00.9 170	30 01.3 00.8 013	30 00.5 00.3 104	30 00.3 00.3 048	30 00.4 00.1 222
.15 A.G.L.	30 04.3 03.1 132	30 02.5 01.3 152	30 03.5 02.3 016	30 05.0 04.1 077	28 02.0 01.6 057	30 01.3 00.5 176
.3A.M.S.L.	30 03.4 02.2 145	30 02.3 01.5 156	30 03.3 02.1 018	30 04.2 03.4 077		
.6 ,,	30 04.9 03.4 124	30 02.9 01.8 159	30 03.7 02.2 011	30 04.7 03.5 083		
.9 ,,	30 04.0 02.1 137	30 03.1 01.4 197	30 04.0 02.1 001	30 03.4 01.0 104	28 02.0 01.6 057	30 01.3 00.5 173
1.5 ,,	30 03.9 02.3 284	30 03.7 02.9 289	30 03.9 02.1 306	30 04.3 03.5 280	28 02.4 01.0 116	30 02.3 01.5 169
2.1 ,,	30 06.6 06.2 304	30 05.8 05.2 304	30 05.7 04.8 292	30 06.4 05.8 282	27 03.6 03.0 197	30 03.9 02.7 198
3.0 ,,	30 09.3 08.8 304	30 08.6 08.0 300	30 08.4 07.6 286	29 08.3 08.0 295	23 06.4 04.1 233	29 06.4 05.8 244
3.6 ,,	29 09.8 09.5 302	30 09.8 09.2 293	30 10.7 10.1 288	19 09.9 09.7 295	17 08.6 06.9 242	26 09.2 08.4 256
4.5 ,,	28 12.5 12.0 292	29 12.4 11.6 288	29 13.8 13.3 290	11 11.0 10.7 291	17 13.1 12.4 259	24 14.3 09.4 258
5.4 ,,	26 16.3 15.8 292	29 15.8 15.2 290	28 16.2 16.0 290	02 14.5 13.5 280	14 18.2 17.6 263	19 19.3 18.4 265
6.0 ,,	26 19.6 19.0 294	28 19.3 18.5 291	28 19.1 18.6 290	01 17.0 17.0 300	14 20.9 20.3 262	18 21.9 20.8 266
7.2 ,,	21 24.6 23.9 289	25 26.0 24.5 291	22 23.8 23.2 287		13 26.2 25.2 270	17 28.6 27.5 264
9.0 ,,	17 36.2 35.1 284	18 34.8 33.7 279	17 32.1 30.8 278		04 28.8 27.1 270	10 34.3 33.5 261

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

NOVEMBER,1967 (KARTIKA 10 - AGRAHAYANA 9,1889 SAKA)

STATION	IMPHAL/TULIHAL								JABALPUR												JAGDALPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.4	00.5	280	30	01.7	01.6	039	30	00.4	00.4	164	30	00.9	00.6	349	30	00.3	00.1	122	30	00.1	00.1	090
.15 A.G.L.	30	02.6	01.0	252	30	02.5	02.2	036	30	03.6	03.0	155	30	03.8	02.1	355	30	04.5	02.7	092	30	02.0	01.0	087
.3A.M.S.L.																								
.6 ,,									30	04.1	02.9	205	30	04.0	02.2	349	30	04.7	03.0	086	30	01.2	00.6	088
.9 ,,	30	02.5	01.1	253	30	02.5	02.4	042	30	04.2	01.2	184	30	03.8	02.7	322	30	04.1	02.5	072	30	03.0	02.1	077
1.5 ,,	30	02.3	01.1	199	30	01.9	01.0	142	30	04.1	02.4	304	30	03.4	02.3	339	30	03.2	01.0	319	30	04.3	03.9	046
2.1 ,,	30	03.1	02.0	285	30	03.4	02.4	207	30	06.4	05.7	312	30	04.8	04.2	305	29	04.7	03.1	290	29	04.7	04.3	020
3.0 ,,	29	06.5	05.9	241	28	08.0	06.3	246	29	08.4	07.8	313	30	06.9	06.3	293	29	07.5	07.2	287	28	05.6	04.4	353
3.6 ,,	29	09.7	09.0	252	22	10.7	09.6	252	29	08.1	07.6	307	30	08.9	08.4	288	19	09.1	08.3	293	27	06.0	04.9	311
4.5 ,,	27	14.0	13.7	258	05	19.8	19.5	271	27	11.1	10.5	291	28	13.1	12.6	288	04	11.7	11.7	276	27	08.1	07.4	298
5.4 ,,	22	18.8	18.0	264	01	17.0	17.0	265	26	16.8	16.1	288	27	18.3	17.9	286					27	11.0	10.3	285
6.0 ,,	20	21.6	20.9	260					24	21.8	20.5	288	24	20.9	20.4	283					27	12.8	12.1	287
7.2 ,,	11	22.9	21.9	258					10	26.1	24.4	279	15	24.9	24.3	275					25	18.0	17.3	289
9.0 ,,																					20	22.5	21.3	287

STATION	JAGDALPUR								JAIPUR												JAMSHEDPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.0	00.5	027	30	00.1	00.1	192	30	01.5	01.4	087	30	00.9	00.3	314	30	01.6	01.5	084	30	00.6	00.5	291
.15 A.G.L.	30	03.4	02.4	033	30	03.9	02.7	065	30	05.6	04.4	097	30	02.6	00.5	320	30	06.7	05.9	083	30	02.4	02.0	296
.3A.M.S.L.																					30	02.4	01.2	306
.6 ,,	30	02.5	01.8	032	30	02.4	01.3	069	30	05.8	04.5	113	30	02.8	00.9	302	30	07.0	05.6	087	30	02.5	00.8	347
.9 ,,	30	03.7	02.9	036	30	04.3	03.6	056	30	05.5	03.3	158	30	03.0	01.2	306	30	05.5	04.0	100	30	03.2	01.4	334
1.5 ,,	30	03.4	02.9	032	30	03.5	03.2	042	30	04.4	02.9	275	30	03.2	02.1	297	30	03.7	00.5	233	30	05.4	04.7	323
2.1 ,,	29	03.1	02.4	026	30	02.4	01.4	012	30	06.3	05.6	297	30	04.8	04.7	291	30	05.3	04.1	271	30	05.7	07.6	317
3.0 ,,	27	04.3	02.8	319	29	04.5	04.1	307	30	08.2	07.6	300	30	08.0	07.1	290	29	08.5	08.0	283	26	08.7	08.3	302
3.6 ,,	26	06.5	05.6	294	16	06.4	05.9	306	28	08.6	08.0	300	29	10.1	09.5	295	18	09.6	08.8	283	26	10.1	09.5	290
4.5 ,,	24	09.3	08.7	290	06	08.3	08.1	275	24	11.0	10.6	296	28	12.9	12.4	290					25	13.3	12.6	276
5.4 ,,	23	12.1	11.1	290	02	09.0	09.0	268	23	15.0	14.2	297	21	16.5	18.5	287					23	17.3	16.9	271
6.0 ,,	21	12.7	12.0	286	01	11.0	11.0	291	20	16.7	16.0	291	17	19.0	18.3	288					21	21.0	20.4	27[illegible]
7.2 ,,	21	16.9	16.2	282					09	17.3	16.6	290	12	24.0	23.1	280					06	27.2	26.7	276
9.0 ,,	13	20.6	19.7	279									01	21.0	21.0	250					02	33.5	33.1	277

STATION	JAMSHEDPUR				JHARSUGUDA												JODHPUR							
TIME IN I.S.T.	2330				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	00.5	00.3	338	30	01.3	01.1	040	30	01.2	00.6	252	30	01.1	00.4	044	30	02.4	01.2	101	30	01.7	00.3	335
.15 A.G.L.	30	02.0	01.5	351	30	03.4	02.8	051	30	02.3	01.0	248	30	03.0	00.0	208	30	03.8	01.0	106	30	02.6	00.5	120
.3A.M.S.L.	30	03.1	01.7	345	30	03.0	02.5	045	30	02.6	01.4	249	30	02.8	00.4	048	30	02.8	00.6	098	30	02.2	00.6	062
.6 ,,	30	02.6	02.2	337	30	03.2	01.9	063	30	02.3	01.3	279	30	03.2	00.8	311	30	03.6	01.2	216	30	03.0	00.8	234
.9 ,,	30	02.9	02.7	334	30	03.3	01.4	016	30	02.0	01.4	299	30	03.2	01.3	312	30	03.7	02.3	249	30	03.2	01.8	235
1.5 ,,	29	04.0	04.0	324	30	04.5	03.3	326	30	03.9	03.4	330	30	03.5	02.2	342	29	04.1	04.0	301	30	03.6	02.8	279
2.1 ,,	29	06.8	06.5	316	30	06.3	05.5	326	30	06.9	06.2	335	30	04.7	03.1	332	29	04.9	04.0	278	29	04.0	03.4	255
3.0 ,,	29	08.6	08.0	296	30	08.1	07.3	320	30	08.3	07.1	317	27	06.0	05.1	301	28	05.9	04.9	299	29	06.1	05.8	284
3.6 ,,	26	10.7	10.2	286	29	09.3	07.1	310	30	10.0	09.4	293					26	06.8	06.1	308	29	08.0	07.6	282
4.5 ,,	24	14.5	14.1	277	27	12.8	10.6	286	28	13.7	12.4	287					26	10.5	09.8	301	29	13.1	12.5	269
5.4 ,,	21	18.8	18.5	273	25	17.1	14.5	284	27	18.2	16.6	285					26	14.7	13.5	301	25	16.4	15.3	265
6.0 ,,	17	21.9	21.8	275	25	19.9	16.4	286	26	19.8	19.3	281					26	17.0	15.5	302	25	18.6	17.9	236
7.2 ,,					22	23.0	19.2	276	21	24.0	23.1	277					25	20.8	19.7	297	22	23.5	22.5	266
9.0 ,,					06	32.8	32.0	267	03	29.6	29.6	281					24	28.3	27.1	289	04	29.2	28.2	267

STATION	JODHPUR								LUCKNOW/AMAUSI															
TIME IN I.S.T.	1730*				2330				0530*				1130				1730*				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.8	01.2	270	30	04.3	00.8	346	30	00.2	00.1	108	30	02.3	01.1	268	30	01.2	01.1	291	30	01.2	00.6	355
.15 A.G.L.	30	03.2	02.2	273	30	06.3	00.6	335	30	04.1	01.6	332	30	02.9	01.3	271	30	04.9	04.4	308	30	04.5	00.3	355
.3A.M.S.L.	30	02.6	01.7	274	30	05.9	01.5	329	30	04.1	01.6	332	30	02.9	01.4	271	30	04.9	04.4	308	30	04.4	02.9	355
.6 ,,	30	03.0	02.0	275	30	05.6	00.8	274	30	04.1	02.3	313	30	03.5	02.7	273	30	04.6	04.1	308	30	04.1	02.7	335
.9 ,,	30	01.8	01.5	275	30	05.0	01.4	232	30	04.8	03.0	307	29	03.6	02.8	282	30	04.7	04.3	296	30	04.6	03.3	312
1.5 ,,	30	03.1	02.1	278	30	04.6	02.3	249	30	06.6	05.6	300	29	05.7	05.0	302	30	05.6	05.4	298	30	05.6	05.1	295
2.1 ,,	30	03.5	02.8	290	27	04.0	02.1	251	29	08.4	07.9	298	30	07.9	07.4	302	30	06.8	06.6	296	30	07.4	06.9	275
3.0 ,,	30	05.1	04.5	291	26	05.6	02.8	300	29	12.0	11.6	293	28	09.5	09.1	304	30	09.9	09.0	287	25	10.0	09.4	288
3.6 ,,	29	08.0	07.3	291	07	05.4	04.5	313	29	13.1	12.6	294	28	09.3	09.3	298	27	11.4	09.9	287	04	09.7	09.4	282
4.5 ,,	29	11.0	10.1	294					28	15.1	15.0	288	26	12.1	11.4	286	26	13.2	12.7	281				
5.4 ,,	29	15.4	14.8	289					28	18.1	17.9	283	24	16.6	15.8	286	26	16.8	16.3	284				
6.0 ,,	28	17.2	16.7	291					28	20.7	18.2	281	24	20.7	17.7	283	26	19.5	18.7	285				
7.2 ,,	27	23.2	21.6	288					27	25.2	24.1	279	21	26.2	25.0	282	26	27.8	25.4	278				
9.0 ,,	27	32.7	31.1	288					27	37.5	34.7	277	11	30.3	29.3	277	24	37.9	36.5	274				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO [illegible] KM ABOVE MEAN SEA LEVEL

NOVEMBER,1967 (KARTIKA 10 - AGRAHAYANA 9,1889 SAKA)

STATION	MADRAS/MINAMBAKKAM																MANGALORE/BAJPE							
TIME IN I.S.T.	0530*				1130				1730*				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	04.9	04.6	038	30	03.9	02.7	037	30	08.4	05.9	064	30	02.3	02.2	042	30	03.3	03.3	090	30	03.7	03.1	280
.15 A.G.L.	30	06.2	06.1	038	29	06.2	05.9	046	30	07.1	05.9	045	30	06.7	06.6	052	30	08.0	07.8	099	30	04.5	03.8	285
.3A.M.S.L.	30	06.4	06.2	046	29	06.4	06.2	047	30	07.2	07.0	045	30	07.5	07.3	054	30	08.7	08.5	099	30	04.2	03.4	285
.6 ,,	30	06.8	06.6	056	29	06.9	06.7	047	30	06.8	06.5	048	30	08.1	07.9	057	30	08.4	08.2	097	30	02.4	00.9	069
.9 ,,	30	07.4	07.0	060	28	07.6	07.4	051	30	07.2	05.9	052	30	08.6	08.4	060	30	07.0	06.8	092	30	03.4	02.8	083
1.5 ,,	30	08.5	08.3	062	25	08.9	08.7	060	30	07.3	06.8	065	30	07.7	07.4	061	30	04.9	04.2	078	30	06.6	06.4	081
2.1 ,,	30	05.6	05.0	083	17	05.3	04.7	074	30	04.9	04.1	071	28	05.5	04.9	063	30	04.6	03.4	071	30	06.8	06.3	076
3.0 ,,	30	04.2	02.6	085	08	03.3	01.8	015	30	04.0	02.6	076	22	03.5	02.4	085	30	04.1	02.7	080	28	04.2	03.2	064
3.6 ,,	30	03.5	01.9	085	06	02.3	01.4	349	30	04.1	02.1	072	12	03.7	01.9	105	30	04.1	03.0	073	28	04.2	02.8	061
4.5 ,,	30	04.4	01.7	041	06	03.7	01.9	325	30	04.1	01.8	020	07	03.1	01.1	088	30	04.1	02.6	053	27	03.7	02.4	059
5.4 ,,	30	04.6	02.4	055	04	05.0	04.8	335	30	04.1	00.7	060	01	03.0	03.0	080	28	04.9	03.4	042	27	04.9	03.8	044
6.0 ,,	30	04.5	02.4	025	04	07.7	07.2	330	30	04.5	01.1	030	01	05.0	05.0	115	28	05.1	04.1	035	27	05.2	03.7	038
7.2 ,,	30	06.4	03.5	001	03	08.0	07.7	310	29	05.8	02.8	348					22	06.8	05.5	016	25	06.0	03.9	020
9.0 ,,	30	08.1	05.4	326	02	13.0	09.5	299	28	07.9	05.2	327					17	09.2	07.6	348	18	08.1	05.9	344

STATION	MANGALORE/BAJPE				MINICOY																NAGPUR/SONEGAON			
TIME IN I.S.T.	2330				0530*				1130				1730*				2330				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	00.9	00.6	024	30	01.6	00.9	062	30	02.2	01.5	027	30	02.2	00.7	016	30	01.6	01.2	081	30	00.5	00.3	348
.15 A.G.L	30	03.8	02.9	344	29	04.2	02.3	058	29	03.9	02.8	036	30	03.7	01.4	035	30	03.7	02.1	065	30	03.3	01.0	044
.3A.M.S.L	30	04.1	03.0	337	29	04.1	02.3	062	29	04.0	02.9	040	30	03.7	01.6	030	30	03.6	02.1	068				
.6 ,,	30	03.3	01.8	010	29	04.5	02.8	068	29	04.7	03.5	052	30	04.2	02.7	042	30	04.5	03.0	069	30	03.5	01.2	099
.9 ,,	30	03.6	02.8	066	29	05.3	03.9	076	28	05.0	04.0	065	30	04.4	03.3	053	30	05.1	03.7	072	30	04.1	02.0	127
1.5 ,,	30	07.1	07.0	088	28	05.6	03.9	083	27	05.4	04.2	076	30	04.6	03.1	072	28	05.5	04.0	076	30	03.7	01.0	009
2.1 ,,	30	06.6	06.2	091	27	04.5	02.9	086	25	04.6	02.9	075	30	04.3	02.7	066	25	04.8	03.8	077	30	06.0	04.7	325
3.0 ,,	23	03.6	01.5	053	25	04.2	03.0	075	21	04.8	03.7	089	30	04.9	03.8	072	22	05.2	04.5	080	30	07.7	06.0	313
3.6 ,,	20	03.7	01.5	050	23	04.8	03.4	077	17	05.6	04.8	096	30	05.0	04.4	082	15	06.1	05.6	092	29	08.6	07.3	301
4.5 ,,	14	04.4	02.8	057	19	05.9	04.9	079	14	08.3	07.9	084	30	05.9	05.2	072	08	05.9	04.8	080	29	10.9	10.0	289
5.4 ,,	06	06.7	05.3	012	18	06.4	05.8	076	14	08.7	08.2	075	30	06.9	06.3	072	01	02.0	02.0	035	28	14.1	13.4	285
6.0 ,,	03	10.0	05.7	345	17	07.8	07.1	076	13	07.8	07.2	073	30	07.9	06.9	070					28	17.1	16.4	284
7.2 ,,					15	08.9	08.3	063	12	09.9	09.2	069	30	08.6	07.9	067					28	22.2	21.4	277
9.0 ,,					12	07.8	06.2	064	06	08.7	07.4	073	30	07.2	04.8	076					28	30.8	28.9	275

STATION	NAGPUR/SONEGAON												NEW DELHI/SAFDARJUNG											
TIME IN I.S.T.	1130				1730*				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	00.9	00.1	043	30	00.8	00.4	035	30	01.1	00.5	130	30	00.7	00.5	309	30	01.2	00.6	267	30	01.0	00.7	345
.15 A.G.L.	30	02.2	00.1	015	30	03.6	02.4	078	30	05.3	03.9	134	30	03.9	01.4	002	30	02.7	00.8	316	30	04.4	03.1	013
.3A.M.S.L.													30	02.5	01.0	358	30	02.4	00.7	311	30	02.7	01.1	355
.6 ,,	30	02.7	00.5	145	30	03.6	02.6	099	30	05.5	03.8	137	30	03.9	01.4	334	30	03.7	01.8	281	30	04.4	02.9	014
.9 ,,	30	03.1	00.9	174	30	03.4	01.6	118	30	05.1	03.0	137	30	03.8	01.6	308	30	04.4	03.0	282	30	04.3	02.5	324
1.5 ,,	30	03.9	00.9	319	30	03.0	00.6	002	30	03.9	00.7	033	30	05.2	04.6	297	30	05.2	04.1	290	30	05.0	04.2	295
2.1 ,,	30	04.8	03.0	342	30	04.7	03.1	330	30	04.9	02.9	337	30	07.5	06.8	301	30	05.9	05.0	294	30	06.1	05.5	297
3.0 ,,	30	05.3	04.3	325	30	06.6	05.5	304	30	05.7	04.3	312	30	08.6	08.1	303	30	08.0	07.3	299	30	07.6	07.0	299
3.6 ,,	30	06.4	05.7	307	30	08.3	07.3	300	09	07.3	05.2	294	30	09.6	08.9	302	26	09.7	09.1	295	30	09.5	08.7	298
4.5 ,,	30	10.1	09.1	292	30	11.6	10.5	285					29	11.1	10.6	301	25	12.7	11.7	292	30	11.8	11.0	298
5.4 ,,	30	13.3	12.5	283	30	15.4	14.9	278					29	14.0	13.4	297	24	17.0	16.1	289	30	14.5	13.7	298
6.0 ,,	30	16.0	15.1	281	30	18.3	17.3	278					29	16.9	16.3	293	24	19.9	18.5	289	30	17.4	16.1	294
7.2 ,,	29	20.1	19.7	278	30	24.1	20.3	300					29	22.1	21.2	295	19	26.5	25.3	289	30	20.7	19.7	291
9.0 ,,	26	27.6	26.8	282	30	33.4	31.4	274					29	29.9	28.3	291	12	36.6	34.7	282	30	29.2	28.0	298

STATION	NEW DELHI/SAFDARJUNG				POONA								PORT BLAIR							
TIME IN I.S.T.	2330				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	00.3	00.3	135	30	00.1	00.0	225	30	00.3	00.2	102	30	00.3	00.2	181	30	02.7	02.2	042	30	03.8	03.6	054
.15 A.G.L.	30	04.2	02.3	009	30	02.7	01.7	105	30	02.6	01.9	088	30	04.4	00.5	052	30	05.4	05.1	044	29	06.0	05.9	053
.3A.M.S.L.	30	03.8	02.1	007													30	05.6	05.3	044	29	06.5	06.3	055
.6 ,,	30	04.3	02.1	347	30	01.6	00.3	225	30	02.0	01.6	087	30	02.2	00.9	194	30	06.3	06.0	056	29	06.8	06.6	061
.9 ,,	30	04.4	02.8	315	30	04.6	03.2	102	30	02.9	02.2	081	30	05.7	02.1	039	30	06.7	06.3	066	28	06.6	06.5	072
1.5 ,,	30	05.4	04.6	293	30	06.1	05.1	102	30	03.3	02.6	076	30	05.8	04.5	085	28	06.6	06.3	075	23	06.2	05.7	082
2.1 ,,	30	07.2	06.7	283	30	04.4	03.7	092	30	03.6	02.7	080	30	05.6	05.4	098	28	06.0	05.7	078	17	06.2	05.8	090
3.0 ,,	28	08.1	07.5	283	29	04.4	02.6	354	28	03.7	02.4	051	28	04.5	02.8	088	28	05.6	05.2	082	11	07.0	06.4	076
3.6 ,,	05	07.8	07.1	279	25	05.4	04.0	327	27	04.1	02.6	345	22	04.5	03.1	328	28	05.2	04.6	076	07	06.7	06.3	068
4.5 ,,					09	05.8	04.2	296	26	06.2	05.2	310	03	06.0	05.7	292	27	04.3	03.2	081	03	05.7	05.3	096
5.4 ,,					04	05.7	03.1	331	25	09.0	08.1	302					27	04.0	02.5	079	02	06.5	06.1	089
6.0 ,,					02	09.5	09.5	292	24	10.7	09.7	300					27	05.0	02.6	078	02	07.0	06.9	097
7.2 ,,									20	14.7	13.6	289					24	05.9	01.6	016	02	06.0	06.0	084
9.0 ,,									06	20.0	19.1	285					24	07.4	02.2	229	01	05.0	05.0	080

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

NOVEMBER,1967 (KARTIKA 10 - AGRAHAYANA 9,1889 SAKA)

STATION	PORT BLAIR								RAIPUR								RAXAUL			
TIME IN I.S.T.	1730*				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	02.5	02.4	042	30	03.1	02.8	055	30	00.5	00.2	038	30	01.1	00.2	058	30	01.2	00.5	155	30	02.1	01.4	064
.15 A.G.L.	30	06.3	06.1	047	30	05.5	05.2	058	30	03.1	00.9	029	30	02.6	00.7	021	30	04.4	01.5	138	30	03.3	02.7	112
.3A.M.S.L.	30	06.4	06.2	047	30	06.0	05.5	061													30	03.0	02.0	114
.6 ,,	30	06.4	06.1	049	30	06.3	05.9	067	30	03.7	00.7	037	30	02.9	01.0	012	30	03.9	00.8	131	30	02.3	01.0	219
.9 ,,	29	06.3	05.9	059	29	06.3	05.8	081	30	03.2	01.4	042	30	03.1	01.1	356	30	03.3	00.7	071	30	02.3	01.7	264
1.5 ,,	29	05.5	05.2	073	24	05.2	04.8	088	30	03.6	02.1	355	30	03.6	01.9	345	30	03.9	01.9	358	30	03.0	02.5	285
2.1 ,,	28	05.6	05.2	098	19	04.3	03.7	087	30	05.4	04.2	339	30	04.9	03.7	344	30	04.6	03.7	338	25	04.2	02.3	276
3.0 ,,	28	05.9	04.8	075	12	04.7	04.1	083	29	07.0	06.3	323	30	05.9	05.0	320	30	05.9	05.0	322	16	07.0	05.2	288
3.6 ,,	28	05.4	04.4	073	04	04.7	04.5	080	27	06.7	06.2	312	30	07.1	06.2	295	22	07.0	06.5	296	12	06.6	05.2	291
4.5 ,,	27	05.4	03.8	073	01	06.0	06.0	055	25	10.4	10.0	286	29	11.4	10.9	286	06	13.5	13.3	301	06	08.8	04.5	265
5.4 ,,	25	05.3	03.9	069					24	15.1	13.9	283	29	14.4	13.7	283					03	10.0	09.6	265
6.0 ,,	22	05.2	02.9	064					24	16.7	15.7	287	29	16.5	16.1	281					03	12.6	12.6	262
7.2 ,,	21	06.6	02.7	035					22	22.1	20.8	281	24	21.7	21.3	277					02	22.0	22.0	262
9.0 ,,	20	08.7	01.6	308					13	25.9	24.2	277	09	27.0	25.8	267								

STATION	RAXAUL				SRINAGAR												TIRUCHCHIRAPPALLI							
TIME IN I.S.T.	1730				0530*				1730*				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.5	00.9	280	23	00.0	00.0	000	24	00.3	00.3	285	30	03.6	02.9	003	30	03.8	03.6	049	30	03.2	03.0	046
.15 A.G.L.	30	02.7	01.9	280	23	02.1	01.2	138	24	02.0	01.4	302	27	07.0	06.8	019	29	06.0	05.8	055	30	07.6	07.3	048
.3A.M.S.L.	30	02.5	01.7	281									27	07.7	07.5	025	29	06.3	06.0	053	30	08.5	08.2	048
.6 ,,	30	02.3	01.6	269									27	09.7	09.5	039	29	07.8	07.4	045	30	10.0	09.8	047
.9 ,,	30	02.7	02.1	266									27	09.2	08.9	045	29	08.0	07.4	039	29	09.4	09.0	043
1.5 ,,	29	03.9	03.4	263									26	07.3	06.7	051	29	07.7	06.9	042	29	07.3	06.5	047
2.1 ,,	28	04.2	01.2	287	23	01.5	00.6	145	24	02.4	00.8	339	24	05.3	04.9	066	26	06.5	04.9	057	28	05.6	04.3	065
3.0 ,,	20	05.0	03.5	284	23	02.0	00.5	129	24	02.3	00.1	140	24	05.1	04.3	077	22	04.9	03.8	070	25	04.3	03.5	091
3.6 ,,	20	06.4	05.0	299	23	03.2	01.5	150	24	03.3	01.0	123	24	05.1	04.5	079	22	04.5	03.7	073	19	04.2	03.5	090
4.5 ,,	18	09.2	08.9	288	23	05.9	02.4	265	24	05.2	02.6	275	24	05.0	03.9	075	21	05.3	04.7	068	12	05.0	04.0	094
5.4 ,,	10	12.2	11.7	283	23	10.2	08.7	287	22	09.6	07.1	290	22	05.1	03.5	068	18	05.8	04.8	066	03	03.7	02.2	042
6.0 ,,	08	12.6	12.1	288	22	08.1	07.0	302	22	12.7	10.2	288	19	05.7	04.0	053	16	05.9	04.7	062				
7.2 ,,	02	17.0	16.8	271	21	17.1	10.5	303	20	20.5	17.8	290	13	05.8	03.4	029	12	06.5	05.3	035				
9.0 ,,					20	26.8	26.5	292	19	28.8	27.4	287	09	07.3	04.9	342	07	09.3	07.1	354				

STATION	TRIVANDRUM																UDAIPUR							
TIME IN I.S.T.	0530*				1130				1730*				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.2	00.5	015	30	00.9	00.3	271	30	01.7	00.5	271	30	00.7	00.3	080	30	00.0	00.0	000	30	00.2	00.2	270
.15 A.G.L.	20	02.4	00.8	010	29	02.3	00.7	226	10	04.5	01.3	223	30	02.2	00.7	248	30	02.4	01.3	346	30	02.2	01.5	257
.3A.M.S.L.	20	02.7	00.6	020	29	02.2	00.4	239	10	04.6	01.4	219	30	02.1	00.9	253								
.6 ,,	20	02.9	01.9	075	29	02.2	00.5	027	10	03.8	01.6	066	30	02.3	00.7	062								
.9 ,,	19	03.5	02.5	060	25	02.8	01.8	052	13	03.7	02.7	037	30	03.5	02.9	065	30	03.7	01.1	353	30	02.7	01.9	286
1.5 ,,	24	04.6	02.7	065	21	04.4	03.1	066	20	05.8	05.1	057	27	05.4	04.7	075	30	04.2	01.5	291	30	02.7	02.1	287
2.1 ,,	27	03.9	02.4	089	19	04.3	02.9	082	28	05.4	04.1	066	23	06.2	04.3	093	30	04.5	03.7	264	30	02.6	02.1	266
3.0 ,,	29	04.7	03.4	088	17	05.3	04.0	082	29	04.9	03.4	075	19	05.3	03.9	099	30	06.1	04.4	283	29	04.4	03.4	265
3.6 ,,	29	05.2	04.0	088	17	06.4	05.3	083	28	05.7	04.6	079	12	04.8	03.7	093	30	07.0	05.9	293	29	06.6	05.4	292
4.5 ,,	29	05.8	05.0	075	12	06.0	04.7	082	29	06.3	05.6	079	06	06.8	05.8	072	29	09.6	09.1	299	27	10.4	09.8	294
5.4 ,,	29	06.8	06.1	075	09	07.2	04.8	103	30	07.2	06.7	083	03	04.0	03.1	074	28	13.5	12.0	297	25	14.0	13.5	295
6.0 ,,	29	06.9	05.8	072	07	06.6	05.7	066	29	06.6	05.7	073	02	04.0	02.2	034	27	16.6	14.9	289	24	16.9	16.4	292
7.2 ,,	29	07.0	06.1	065	05	08.0	07.3	048	29	08.1	06.6	072					25	21.9	20.4	279	17	21.5	21.4	291
9.0 ,,	29	07.9	05.8	057	03	07.3	04.7	024	30	09.0	06.5	051					08	27.4	26.3	279	06	25.3	24.8	273

STATION	UDAIPUR				VENGURLA												VERAVAL							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	00.0	00.0	000	30	00.5	00.5	006	30	01.9	01.7	272	30	00.9	00.8	003	30	02.7	02.5	012	30	04.6	02.5	277
.15 A.G.L.	30	02.7	00.9	336	30	04.2	03.7	088	30	03.9	03.5	275	30	05.0	04.6	008	30	06.2	05.5	355	30	05.4	03.1	240
.3A.M.S.L.					30	05.0	04.6	102	30	03.9	03.2	279	30	05.6	04.9	007	30	05.6	04.7	355	30	05.6	03.1	238
.6 ,,					30	06.0	05.4	116	30	03.4	01.7	003	30	05.4	04.3	028	30	04.5	03.2	004	30	04.4	02.1	264
.9 ,,	30	03.5	01.4	334	30	07.0	06.3	115	30	03.8	02.8	040	30	06.0	04.7	060	30	03.8	02.0	028	30	03.5	01.5	265
1.5 ,,	30	03.2	01.0	283	29	06.5	06.2	089	30	06.4	06.2	068	30	07.8	07.4	090	30	03.2	00.8	094	30	03.6	02.2	022
2.1 ,,	29	02.6	01.9	218	29	05.4	05.0	065	30	08.9	08.8	075	30	07.6	07.6	087	30	04.4	01.5	115	30	04.8	03.3	025
3.0 ,,	26	05.3	03.6	265	27	03.6	02.1	038	30	06.6	06.2	073	28	03.9	02.7	074	30	05.2	01.8	001	30	05.6	04.1	356
3.6 ,,	23	06.6	05.5	289	20	04.1	01.7	017	28	05.1	04.1	057	23	03.7	01.3	038	04	05.3	04.3	357	30	06.5	05.4	329
4.5 ,,	05	11.4	10.6	297	02	05.5	04.8	342	28	04.6	03.6	031	01	05.0	05.0	360					30	08.6	07.9	307
5.4 ,,									28	05.5	03.8	013									30	11.2	10.5	297
6.0 ,,									28	05.6	03.4	357									30	13.6	12.9	294
7.2 ,,									25	07.5	05.1	337									26	16.1	15.3	293
9.0 ,,									22	11.5	08.7	305									16	23.6	22.1	266

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

NOVEMBER,1967 (KARTIKA 10 - AGRAHAYANA 9,1889 SAKA)

STATION	VERAVAL				VIJAYWADA/GANNAVARAM												VISHAKHAPATNAM							
TIME IN I.S.T.	2330				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.1	01.1	328	30	01.8	01.6	048	30	02.5	02.2	131	30	01.3	01.1	088	30	02.9	02.7	014	30	02.4	02.1	096
.15 A.G.L.	30	04.5	03.3	318	30	03.7	03.2	079	30	04.4	04.1	122	30	05.1	04.5	113	30	05.4	05.1	014	30	04.1	03.5	080
.3A.M.S.L.	30	04.6	03.3	327	30	04.1	03.7	091	30	04.6	04.2	120	30	05.3	04.9	114	30	05.2	04.7	018	30	04.1	03.6	072
.6 ,,	30	04.3	02.4	343	30	04.8	04.5	089	30	04.4	04.0	106	30	05.3	05.1	102	30	03.6	02.5	053	30	04.2	03.6	053
.9 ,,	30	03.7	01.6	006	30	05.3	05.0	087	30	04.1	03.8	086	30	05.0	04.6	086	30	03.9	03.2	058	30	04.9	04.2	045
1.5 ,,	30	03.5	01.3	065	30	05.4	05.1	060	30	04.9	04.4	046	30	04.7	04.1	054	30	05.1	04.7	036	30	05.6	05.2	040
2.1 ,,	30	03.6	01.9	058	30	05.0	04.2	053	30	05.8	05.0	037	30	04.7	04.0	054	30	05.3	04.4	017	30	05.5	04.7	021
3.0 ,,	30	05.1	03.4	350	29	03.5	01.7	023	30	04.5	03.3	017	30	03.6	01.5	023	30	04.8	02.7	309	30	04.6	02.9	351
3.6 ,,	13	07.5	06.5	318	28	04.2	01.9	344	29	04.2	02.4	327	22	03.6	02.0	304	30	05.0	03.6	289	29	04.9	02.9	299
4.5 ,,	06	08.3	07.1	303	27	05.3	03.7	314	28	05.1	04.1	294	18	05.2	04.2	293	30	06.3	05.2	288	27	07.0	06.1	279
5.4 ,,	03	09.3	09.3	317	27	06.3	04.9	307	27	06.4	05.3	290	10	05.9	05.1	291	30	08.5	07.6	283	27	08.5	07.5	273
6.0 ,,	03	10.7	10.7	315	27	07.6	06.5	299	26	07.3	06.4	289	07	07.0	06.9	292	30	10.8	09.8	288	27	09.4	08.5	282
7.2 ,,					27	09.9	09.0	297	23	10.0	08.9	296	02	12.0	11.4	303	30	14.5	13.7	289	17	13.0	11.8	280
9.0 ,,					26	13.9	12.2	293	12	14.6	13.6	302					29	18.4	16.5	284	07	17.6	17.3	280

STATION	VISHAKHAPATNAM																							
TIME IN I.S.T.	1730				2330																			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	03.1	03.0	052	30	00.5	00.3	090																
.15 A.G.L.	30	05.6	05.3	061	30	02.6	01.8	091																
.3A.M.S.L.	30	05.7	05.5	058	30	02.7	02.1	092																
.6 ,,	30	05.1	04.5	076	30	03.1	02.6	088																
.9 ,,	30	04.9	04.2	058	30	03.8	03.3	070																
1.5 ,,	30	06.5	05.9	018	28	04.6	04.3	031																
2.1 ,,	30	06.9	05.9	358	26	04.7	03.3	020																
3.0 ,,	30	05.5	03.6	339	21	04.3	02.5	299																
3.6 ,,	30	05.9	04.4	291	13	05.2	04.4	279																
4.5 ,,	30	08.2	06.9	277	02	03.0	02.9	277																
5.4 ,,	30	09.3	08.1	281																				
6.0 ,,	30	10.4	09.1	281																				
7.2 ,,	30	14.7	13.1	278																				
9.0 ,,	30	18.1	16.6	286																				

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

NOVEMBER,1967 (KARTIKA 10 - AGRAHAYANA 9,1889 SAKA)

STATION	AGARTALA	AHMADABAD			AMINI	
TIME IN I.S.T.	0530	0530*	1130	1730*	0530	1730
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	01 24.0 24.0 015	15 40.6 38.3 299	14 39.3 36.4 279	19 41.4 39.4 295	05 05.0 02.6 128	02 05.0 03.1 355
12.0		12 45.0 42.8 298	09 43.3 38.5 274	13 43.4 42.3 287	05 06.2 01.8 152	02 04.5 03.2 253
14.1		06 42.8 41.7 280	01 51.0 51.0 234	06 43.7 41.7 289	03 07.7 02.5 283	
16.2		01 30.0 30.0 270	01 48.0 48.0 250	01 44.0 44.0 305	02 07.5 07.5 099	
18.0					01 05.0 05.0 125	
21.0						
24.0						
27.0						
30.0						
33.0						

STATION	ANANTAPUR	AURANGABAD/CHIKALTHAN		BANGALORE		
TIME IN I.S.T.	0530	0530	1730	0530●	1130	1730●
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	07 13.7 12.1 312	01 06.0 06.0 354	07 27.1 25.8 288	15 09.6 07.3 284	18 09.2 04.5 285	17 09.4 07.5 282
12.0	02 14.0 13.2 277		01 26.0 26.0 285	15 10.9 09.1 260	18 09.4 05.1 265	17 10.9 07.6 267
14.1	01 08.0 08.0 275		01 23.0 23.0 275	13 11.5 09.9 270	16 09.7 05.9 259	16 11.6 09.9 271
16.2				13 06.4 03.5 332	13 09.9 05.6 264	13 05.9 02.3 306
18.0				11 04.5 01.6 004	13 08.0 02.0 322	13 04.5 01.4 071
21.0				09 08.3 07.5 090	10 07.5 04.9 068	09 03.3 02.2 095
24.0				04 13.0 11.5 079	08 12.9 11.0 061	03 13.0 12.1 076
27.0					03 11.7 10.6 074	
30.0					01 03.0 03.0 125	
33.0						

STATION	BEGAMPET			BHOPAL/SATRAGARH		BHUBANESWAR
TIME IN I.S.T.	0530*	1130	1730*	0530	1730	0530
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	27 20.7 19.0 283	10 17.7 15.9 288	25 22.0 19.7 287	05 40.2 38.6 270	02 32.5 32.2 318	04 27.2 27.2 260
12.0	25 23.4 20.8 276	04 26.3 24.6 288	25 23.3 20.4 280	01 52.0 52.0 260	01 46.0 46.0 335	02 31.0 30.5 256
14.1	24 23.6 22.2 272	01 31.0 31.0 275	24 23.6 22.1 273			
16.2	24 15.4 14.6 270	01 31.0 31.0 275	22 15.6 13.9 275			
18.0	14 05.0 03.1 276	01 22.0 22.0 275	16 06.3 02.3 279			
21.0	05 03.4 01.8 100	01 16.0 16.0 255	09 04.9 03.2 064			
24.0			05 09.8 09.5 087			
27.0			01 05.0 05.0 074			
30.0						
33.0						

STATION	BOMBAY/SANTACRUZ			CALCUTTA/DUM DUM		
TIME IN I.S.T.	0530*	1130	1730*	0530*	1130	1730*
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	28 25.2 23.3 290	09 25.9 24.6 270	29 26.3 26.2 287	29 38.6 36.3 271	05 35.6 35.4 265	26 38.0 36.3 272
12.0	28 27.9 24.8 283	02 27.0 27.0 260	29 26.4 23.5 275	28 40.1 39.1 267	01 33.0 33.0 269	25 40.4 39.4 271
14.1	27 27.1 25.1 274		27 28.1 26.4 282	24 36.1 35.0 266		15 36.9 35.5 259
16.2	25 19.2 18.0 279		20 19.7 18.2 280	17 26.9 25.9 255		11 27.2 26.0 256
18.0	15 09.7 07.2 298		09 10.6 04.8 300	06 16.3 05.3 213		04 20.5 18.7 272
21.0	09 07.1 02.4 094		02 06.5 06.3 207	05 08.6 02.8 236		01 21.0 21.0 277
24.0	03 13.6 01.5 072					01 16.0 16.0 276
27.0						
30.0						
33.0						

STATION	DEHRADUN	DIBRUGARH/MOHANBARI		GADAG		GANGTOK
TIME IN I.S.T.	0530	0530	1130	0530	1730	0830
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	07 23.6 21.6 270	05 43.0 42.5 256	06 45.5 42.9 257	26 15.0 13.0 293	17 16.0 13.8 301	02 29.5 29.1 280
12.0	03 25.7 25.3 256	02 34.0 32.6 262	01 27.0 27.0 280	26 16.1 13.0 277	15 18.3 16.4 292	01 18.0 18.0 275
14.1				19 16.1 13.6 261	08 18.9 17.1 256	01 16.0 16.0 266
16.2				16 12.8 11.2 277	04 07.3 06.9 273	
18.0				14 06.1 03.1 336	02 06.5 06.3 298	
20.0				13 07.1 01.2 008		
24.0				01 22.0 22.0 080		
27.0						
30.0						
33.0						

STATION	GAUHATI			GAYA	GOPALPUR	GWALIOR
TIME IN I.S.T.	0530*	1130	1730*	0530	1730	0530
HT IN KM.	N S V D	N S V D	N S V D	N S V D	N S V D	N S V D
10.5	24 46.6 44.8 265	03 43.0 40.4 274	20 39.5 36.0 257	02 43.0 42.7 265	01 18.0 18.0 270	10 42.5 40.0 278
12.0	16 46.3 45.0 260	01 40.0 40.0 256	15 41.9 41.3 259			06 53.0 49.8 271
14.1	11 45.5 45.1 264		09 40.2 39.4 259			02 56.5 50.6 257
16.2	03 50.3 49.8 255		05 27.6 26.6 262			01 43.0 43.0 290
18.0	01 20.0 20.0 250		03 19.6 19.5 265			
21.0	01 20.0 20.0 270					
24.0						
27.0						
30.0						
33.0						

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

NOVEMBER,1967 (KARTIKA 10 - AGRAHAYANA 9,1889 SAKA)

STATION	GWALIOR								DIBHAL,TULIHAL								JAGDALPUR							
TIME IN I.S.T.	1130				1730				0530				1130				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	12	43.6	40.7	276	09	41.2	40.5	264	02	28.5	28.5	281	03	38.7	38.5	255	14	25.5	24.1	286	02	26.0	26.0	302
12.0	03	56.3	56.3	265	04	49.7	48.0	263					01	41.0	41.0	260	05	28.0	27.0	262	01	44.0	44.0	305
14.1	01	68.0	68.0	255																				
16.2																								
18.0																								
21.0																								
24.0																								
27.0																								
30.0																								
33.0																								

STATION	JODHPUR								LUCKNOW/AMAUSI												MADRAS/MINAMBAKKAM			
TIME IN I.S.T.	0530*				1730*				0530*				1130				1730*				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	22	37.8	36.2	289	26	40.0	38.1	288	23	47.0	45.2	274	09	38.3	37.3	271	20	47.7	43.0	269	30	08.3	05.3	279
12.0	20	47.4	45.9	288	21	48.8	46.1	285	20	52.0	49.0	270	06	49.5	48.0	271	18	52.3	48.7	271	30	10.7	07.3	245
14.1	07	51.7	50.0	265	09	55.0	53.3	283	10	48.8	47.0	264					07	47.7	46.8	269	27	10.7	07.6	261
16.2	03	49.0	48.7	265					04	43.0	38.5	258					03	42.0	41.7	264	26	06.0	03.7	285
18.0									02	43.5	43.0	284									19	03.2	00.2	232
21.0									01	15.0	15.0	330									12	06.2	03.2	098
24.0																					02	04.5	04.5	094
27.0																								
30.0																								
33.0																								

STATION	MADRAS/MINAMBAKKAM								MANGALORE/BAJPE								MINICOY							
TIME IN I.S.T.	1130				1730				0530				1730				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	02	13.0	12.7	284	28	07.8	07.8	318	15	10.1	05.8	301	13	11.0	04.1	305	10	09.0	06.0	090	02	04.0	03.7	068
12.0	02	13.0	13.0	280	28	09.7	07.1	251	10	10.0	06.4	247	11	09.1	05.7	261	09	08.8	05.4	099	02	04.0	01.5	326
14.1					28	11.7	07.4	255	06	10.3	09.9	278	06	11.0	10.3	286	07	07.9	04.1	017	02	08.0	07.7	244
16.2					23	05.6	02.3	297	06	11.2	10.5	289	03	08.3	04.5	301	04	11.0	04.4	343	01	10.0	10.0	075
18.0					15	04.5	00.7	310	03	11.3	07.7	295	02	04.0	03.7	082	02	09.5	08.9	082				
21.0					09	04.4	02.9	103	03	20.7	18.7	275	01	06.0	06.0	050	01	10.0	10.0	080				
24.0					03	14.6	13.8	087	01	47.0	47.0	285	01	05.0	05.0	090	01	28.0	28.0	115				
27.0																								
30.0																								
33.0																								

STATION	MINICOY				NAGPUR/SONEGAON												NEW DELHI/SAFDARJUNG							
TIME IN I.S.T.	1730*				0530*				1130				1730*				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	28	07.2	06.0	116	27	40.0	36.0	279	12	30.2	24.3	277	28	40.7	36.2	274	28	38.9	37.2	290	03	42.0	41.3	274
12.0	26	07.7	04.4	120	22	42.6	39.5	265	05	41.6	39.2	277	22	44.0	40.0	270	23	41.4	39.3	286	01	47.0	47.0	270
14.1	22	08.5	01.7	141	16	41.0	39.2	265	01	32.0	32.0	270	11	29.8	28.1	255	20	35.9	34.0	288				
16.2	20	08.1	05.3	070	08	19.7	19.3	258					09	15.9	14.3	266	15	23.8	23.1	285				
18.0	17	04.3	02.4	273	05	11.6	05.5	280					08	09.0	05.9	277	12	14.6	14.3	283				
21.0	10	07.5	05.1	246	02	07.0	04.1	327					04	08.5	05.2	303	11	09.0	06.8	308				
24.0	03	10.7	08.8	085													04	06.7	04.5	305				
27.0																	01	04.0	04.0	280				
30.0																								
33.0																								

STATION	NEW DELHI/SAFDARJUNG				POONA				PORT BLAIR												RAIPUR			
TIME IN I.S.T.	1730*				1730				0530*				1130				1730*				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	27	37.6	35.5	287	03	25.3	23.3	294	23	08.0	04.2	218	01	02.0	02.0	070	19	08.6	02.7	222	07	31.8	30.4	277
12.0	23	42.1	40.0	282					18	08.0	04.2	200	01	05.0	05.0	146	18	08.4	03.9	220	03	32.0	31.9	273
14.1	18	37.9	36.2	277					17	10.0	04.9	171	01	09.0	09.0	151	14	10.6	05.7	208				
16.2	13	30.3	29.1	283					10	09.1	07.3	151	01	07.0	07.0	124	11	11.3	03.5	157				
18.0	08	08.7	07.5	284					07	05.4	03.6	100	01	12.0	12.0	010	04	08.2	04.5	260				
21.0	04	07.3	06.0	305					04	05.3	03.3	116	01	32.0	32.0	110	03	04.6	03.3	105				
24.0																								
27.0																								
30.0																								
33.0																								

STATION	RAIPUR				SRINAGAR								TIRUCHCHIRAPPALLI								TRIVANDRUM			
TIME IN I.S.T.	1730				0530*				1730*				0530				1730				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	01	28.0	28.0	270	18	32.2	31.4	287	17	37.6	36.8	280	01	04.0	04.0	225	02	05.0	04.7	215	29	06.9	04.4	090
12.0					15	37.8	36.5	285	15	44.5	43.3	282									29	08.4	06.1	130
14.1					06	32.4	31.2	276	05	42.2	41.7	278									29	08.4	02.5	110
16.2					01	37.0	37.0	274	01	21.0	21.0	275									27	05.5	01.3	010
18.0																					22	06.6	00.8	045
21.0																					17	06.0	01.0	280
24.0																					13	16.8	16.2	090
27.0																								
30.0																								
33.0																								

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

NOVEMBER,1967 (KARTIKA 10 - AGRAHAYANA 9,1889 SAKA)

STATION	TRIVANDRUM								UDAIPUR								VENGURLA				VERAVAL			
TIME IN I.S.T.	1130				1730*				0530				1730				1730				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	01	03.0	03.0	305	29	07.3	04.6	104	02	40.0	37.7	282	01	39.0	39.0	265	15	14.9	12.6	307	09	32.2	31.0	283
12.0	01	07.0	07.0	330	30	08.7	05.8	128					01	54.0	54.0	249	10	19.6	17.0	295	05	34.8	33.8	276
14.1					30	08.4	02.5	131													03	31.7	31.4	283
16.2					29	06.4	00.7	107													03	24.3	22.4	283
18.0					24	06.3	01.0	345													02	24.5	24.5	270
21.0					20	06.6	03.3	257													01	22.0	22.0	295
24.0					12	12.5	12.0	087													01	13.0	13.0	290
27.0					01	32.0	32.0	090																
30.0																								
33.0																								

STATION	VIJAYWADA/GANNAVARAM								VISHAKHAPATNAM															
TIME IN I.S.T.	0530				1730				0530*				1130				1730*							
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	21	15.9	14.2	283	03	17.3	14.5	290	27	21.9	19.4	283	05	16.6	16.4	272	30	22.7	20.2	281				
12.0	13	17.8	16.2	267					27	24.1	22.2	273	04	19.0	19.0	268	30	24.4	22.5	263				
14.1	04	22.3	21.3	284					17	24.8	23.6	268	03	20.3	20.3	259	24	22.9	21.0	268				
16.2	01	29.0	29.0	300					10	20.1	16.8	270	03	17.0	16.3	236	19	16.0	12.8	272				
18.0									04	18.3	17.3	280	03	07.3	06.4	262	11	06.8	03.9	287				
21.0									03	10.7	03.8	213	03	07.3	05.5	290	07	09.4	02.0	316				
24.0													01	11.0	11.0	340	02	10.5	03.5	260				
27.0																								
30.0																								
33.0																								

RADIOSONDE DATA

During the month, observations of upper air temperature, pressure and and humidity were made at 16 stations in India as given in the list below. For detailed description of the instruments used, a reference may be made to the I.M.D. Scientific Notes Nos. 112 and 113 (Volume IX).

List of Radiosonde stations in India

S.No.	Name of Station	Type of instrument used	Date of starting	Hours of routine observations in GMT during the month	Remarks
1.	Ahmadabad	Fan type	20th Jul. 1961	00 and 12	
2.	Bangalore	Fan type	10th Mar. 1961	00 and 12	
3.	Bombay/Santacruz	Clock type	7th Sep. 1954	00 and 12	
4.	Calcutta/Dum Dum	Clock type	13th Dec. 1946	00 and 12	Fan type used from 13.12.1946 to 30.11.1947.
5.	Cochin/ Ernakulam	Fan type	1st Aug. 1966	00 and 12	
6.	Gauhati	Clock type	22nd Jul. 1955	00 and 12	
7.	Jodhpur	Clock type	17th Apr. 1946	00 and 12	
8.	Lucknow	Clock type	15th Aug. 1966	00 and 12	
9.	Madras/Minambakkam	Fan type	29th Jun. 1946	00 and 12	
10.	Minicoy	Fan type	12th May. 1963	00	
11.	Nagpur/Sonegaon	Fan type	1st Oct. 1946	00 and 12	
12.	New Delhi/Safdarjung	Clock type	3rd Dec. 1943	00 and 12	
13.	Port Blair	Fan type	4th Dec. 1949	00 and 12	
14.	Srinagar	Clock type	1st Aug. 1962	00 and 12	
15.	Trivandrum	Fan type	1st Jul. 1947	00 and 12	
16.	Visakhapatnam	Fan type	8th Dec. 1946	00 and 12	

RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(A) FROM ASCENTS AT 00 HRS G.M.T.
NOVEMBER, 1967 (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

STANDARD PRESSURE SURFACE MB	AHMADABAD SURFACE PR (1006 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BANGALORE (912 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BOMBAY/SANTACRUZ (1010 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00055	290.9	294	289	284.2	30	00921	288.7	293	284	287.2	30	00013	294.1	297	291	289.4
1000	30	00108	291.9	295	289	284.7	30	00133					30	00102	295.8	299	294	288.0
900	30	01031	295.3	299	291	280.6	30	01031	289.0	291	286	286.6	30	01029	295.8	298	294	281.4
850	30	01526	291.8	296	289	278.5	30	01520	288.7	291	283	282.2	30	01525	292.1	294	289	280.8
800	30	02004	287.8	292	284	275.6	30	02035	286.8	290	284	279.3	30	02043	287.2	290	285	279.6
700	29	03161	280.8	284	275	267.9	30	03154	282.4	285	279	273.0	30	03154	280.6	285	277	269.9
600	29	04407	273.2	279	265	259.1	30	04421	275.2	279	267	270.4	30	04415	275.7	280	273	264.0
500	28	05850	264.3	270	254		30	05872	267.9	271	264		30	05867	266.8	271	263	
400	24	07543	252.9	258	240		30	07591	257.0	262	254		29	07577	255.3	260	253	
300	16	09643	240.0	245	237		30	09698	241.7	249	238		29	09670	240.4	245	236	
250	16	10905	232.3	237	229		29	10960	231.5	240	226		29	10930	231.2	237	227	
200	14	12407	221.9	227	218		28	12430	219.0	225	212		29	12408	219.7	224	216	
175	13	13259	216.1	221	212		26	13280	213.5	217	209		28	13255	213.3	219	208	
150	12	14208	211.2	218	206		26	14229	206.5	211	201		28	14205	207.3	213	202	
125	11	15316	203.7	209	199		26	15298	200.6	205	195		28	15298	202.1	208	196	
100	06	16648	201.5	209	194		26	16616	194.7	199	180		28	16605	198.6	205	193	
80							23	17917	196.4	203	193		22	17900	199.0	206	193	
70							22	18678	199.2	207	194		17	18711	202.6	208	195	
60							19	19567	203.8	210	197		15	19642	207.5	214	200	
50							18	20668	207.1	215	202		13	20766	210.9	217	204	
40							11	22064	212.3	223	205		09	22104	213.8	220	207	
30							07	23829	214.1	219	207							
20																		
10																		

STANDARD PRESSURE SURFACE MB	CALCUTTA/DUM DUM SURFACE PR (1012 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	ERNAKULAM (1010 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	GAUHATI (1009 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00006	289.7	295	287	288.3	30	00003	296.8	299	293	294.5	30	00049	287.8	291	285	287.7
1000	30	00119	291.3	297	287	287.0	30	00086	296.8	298	294	293.9	30	00128	288.4	292	285	287.7
900	30	01028	289.3	295	287	281.7	30	01006	292.6	298	291	287.8	30	01027	288.8	293	282	283.5
850	30	01511	286.1	292	293	278.3	30	01497	289.9	295	287	285.2	30	01510	286.0	291	281	279.7
800	30	02837	283.7	292	280	272.1	30	02013	287.5	292	284	280.8	30	02017	282.6	289	278	275.4
700	30	03121	278.2	283	272	262.0	30	03133	282.4	286	278	273.2	30	03110	275.8	282	269	263.3
600	30	04358	272.3	277	264	254.8	30	04397	275.8	280	273	265.3	30	04344	269.5	276	264	
500	30	05800	263.6	269	257		30	05851	267.4	271	265		29	05765	261.1	268	255	
400	30	07495	252.9	259	249		30	07566	256.5	261	253		27	07444	250.2	258	243	
300	30	09568	239.0	246	232		30	09667	240.9	248	237		25	09491	237.4	246	229	
250	28	10832	231.4	238	223		30	10929	231.3	239	227		23	10734	230.3	239	222	
200	28	12326	222.7	229	215		30	12404	219.2	228	213		23	12215	223.3	229	219	
175	28	13188	217.7	226	208		28	13247	213.3	221	207		23	13091	218.9	226	214	
150	26	14157	212.2	223	203		27	14198	206.8	215	200		22	14108	215.0	221	209	
125	24	15287	207.1	219	198		26	15262	200.4	209	193		22	15207	210.7	217	204	
100	23	16610	203.3	210	193		22	16607	195.5	202	191		21	16558	208.7	215	201	
80	13	17863	203.7	212	194		19	17888	198.1	205	191		18	17926	208.2	219	202	
70	11	18733	206.0	216	197		18	18664	200.9	209	193		16	18764	209.0	213	202	
60	10	19650	209.2	219	201		15	19576	203.8	215	197		14	19709	213.5	220	208	
50	08	20796	213.9	222	205		14	20672	207.4	217	201		09	20868	216.5	224	213	
40	05	22250	217.8	225	214		13	22031	210.6	219	207							
30							08	23817	214.0	218	210							
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STANDARD PRESSURE SURFACE MB	JODHPUR SURFACE PR (985 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	LUCKNOW/AMAUSI (999 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	MADRAS/MINAMBAKKAM (1010 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00217	293.6	297	290	284.8	30	00127	288.5	293	285	285.0	30	00015	294.8	297	293	293.3
1000	27	00098					30	00120	289.5	293	286	285.4	30	00105	295.1	297	293	293.0
900	27	00997	295.1	298	292	279.2	28	01025	290.0	295	287	276.8	30	01015	292.7	293	287	280.3
850	27	01491	294.9	296	287	277.2	28	01511	287.4	293	283	272.6	30	01502	288.3	291	284	280.4
800	27	02007	286.1	291	283	275.9	28	02021	284.1	289	280	269.8	30	02015	286.5	290	281	277.3
700	27	03114	278.2	282	275	268.9	28	03119	276.2	282	272	261.3	30	03129	281.1	285	278	274.2
600	27	04356	272.0	274	266	261.1	28	04352	268.9	276	264		30	04386	275.4	280	272	265.8
500	27	05782	261.9	265	255		28	05767	260.5	264	255		30	05839	266.4	271	263	
400	26	07456	250.2	253	245		27	07432	248.7	254	242		30	07550	255.6	260	251	
300	26	09504	236.0	239	229		27	09476	235.4	242	227		30	09647	240.2	248	235	
250	25	10743	228.2	232	223		26	10717	229.0	232	220		30	10905	230.2	241	217	
200	25	12206	219.7	225	214		25	12189	221.1	225	215		30	12375	218.4	228	213	
175	25	13060	214.6	222	210		25	13051	217.1	224	209		30	13206	212.1	221	206	
150	23	14022	210.3	217	204		24	14019	213.0	219	206		29	14165	205.0	215	199	
125	19	15165	207.9	215	201		23	15157	209.6	215	203		28	15268	200.2	209	193	
100	12	16499	204.8	213	199		21	16489	206.8	212	200		26	16558	195.0	202	191	
80	10	17841	203.7	212	198		19	17803	206.3	212	198		23	17846	198.3	205	194	
70	09	18664	206.2	214	198		17	18662	207.6	218	201		22	18637	201.3	211	195	
60	06	19635	210.3	217	205		12	19632	208.9	215	203		21	19536	204.5	214	197	
50							09	20720	211.2	215	209		17	20655	209.0	215	206	
40							08	22118	215.9	219	213		12	22142	213.1	217	203	
30																		
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RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(▲) FROM ASCENTS AT 00 HRS G.M.T.
NOVEMBER, 1967 (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

STANDARD PRESSURE SURFACE MB	NAGPUR/SONEGAON SURFACE PR (9.78 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NEW DELHI/SAFDARJUNG (990 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	PORT BLAIR (1002 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00311	288.2	292	286	283.9	30	00209	288.0	290	285	283.4	30	00079	297.4	299	296	296.1
1000	30	00121					30	00124					28	00093	297.2	299	296	295.8
900	30	01028	293.0	296	289	285.0	30	01025	290.1	295	287	276.8	28	01011	292.5	296	287	290.3
850	30	01518	289.9	293	286	283.1	30	01510	287.2	291	284	273.8	28	01502	290.0	295	283	286.7
800	30	02030	285.0	289	281	280.0	30	02019	283.5	287	280	271.8	28	02018	286.9	290	282	284.1
700	30	03133	278.0	282	273	271.5	30	03116	275.7	280	272	263.2	28	03135	282.0	287	279	278.8
600	30	04385	273.2	277	270	260.8	29	04345	267.9	272	263		28	04396	275.2	281	269	272.9
500	30	05856	264.9	271	262		29	05753	258.7	263	255		27	05850	267.1	271	263	
400	30	07571	253.7	262	249		29	07410	247.3	253	242		24	07562	256.6	261	253	
300	30	09593	238.1	249	229		29	09436	236.9	242	226		24	09668	242.7	247	236	
250	30	10811	229.9	239	222		29	10666	226.2	232	218		18	10940	232.4	238	227	
200	30	12314	219.5	227	214		29	12119	219.9	228	210		18	12422	220.0	227	213	
175	29	13148	213.8	222	202		29	12972	214.5	222	208		17	13269	213.9	223	208	
150	28	14113	209.4	217	202		28	13936	213.0	220	209		17	14228	207.4	217	202	
125	27	15231	204.6	212	197		28	15065	210.0	219	204		13	15334	200.7	210	195	
100	25	16548	201.1	207	196		24	16427	207.4	213	201		10	16685	195.3	202	192	
80	24	17938	203.3	209	197		21	17783	207.8	213	202		08	18005	196.9	206	189	
70	23	18651	205.3	212	199		20	18595	209.7	216	204		07	18769	215.6	213	194	
60	21	19560	206.4	215	202		19	19549	212.1	219	208		05	19684	204.8	208	196	
50	14	20701	213.4	218	206		17	20619	215.9	223	212							
40	07	22185	219.4	223	214		14	22135	218.9	225	213							
30																		
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STANDARD PRESSURE SURFACE MB	SRINAGAR SURFACE PR (845 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	TRIVANDRUM (1002 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	VISHAKHAPATNAM (1009 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	24	01588	276.0	280	272	275.0	30	00064	298.7	299	295	294.3	30	00041	296.1	301	294	291.5
1000	24	00207					29	00083	297.1	299	295	294.2	30	00118	295.9	300	294	291.1
900	24	01080					29	01003	293.0	295	291	287.5	30	01030	291.0	296	285	285.6
850	24	01546					29	01495	290.2	294	287	285.2	30	01518	288.4	291	285	282.4
800	24	02037	276.0	279	272	272.0	29	02012	287.8	293	285	282.3	30	02033	286.0	291	281	279.6
700	24	03107	270.0	274	266		29	03131	281.9	287	277	275.8	30	03147	280.7	285	275	272.2
600	23	04310	263.0	267	258		29	04392	275.0	279	273	267.5	30	04406	274.8	279	273	266.7
500	23	05690	253.0	259	247		29	05842	266.7	271	263		30	05856	266.3	270	264	
400	21	07317	242.0	247	233		29	07555	256.5	260	253		30	07565	255.4	259	251	
300	20	09307	228.0	233	224		29	09654	240.3	246	235		30	09658	239.5	244	234	
250	19	10509	221.0	228	217		27	10911	230.2	237	225		29	10926	231.0	239	225	
200	17	11936	217.0	224	213		27	12378	218.6	224	215		29	12404	219.9	228	213	
175	14	12784	215.0	222	210		26	13210	212.5	219	208		25	13242	214.1	224	206	
150	11	13751	214.0	220	207		24	14217	205.6	214	200		23	14607	208.9	217	202	
125	07	14893	212.0	219	206		21	15236	198.9	203	195		21	15309	203.9	215	199	
100	07	16280	211.0	220	207		16	16592	196.8	201	193		20	16653	199.9	209	193	
80							13	17914	199.1	204	191		14	17929	202.6	208	193	
70							10	18692	203.9	207	201		12	18714	205.7	213	199	
60							06	19625	207.3	209	205		09	19737	209.6	215	201	
50							05	20783	208.4	213	202		07	20881	215.4	218	210	
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RADIO SONDE DATA

TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE

(B) FROM ASCENTS AT 12 HRS G.M.T.

NOVEMBER, 1967 (KARTIKA 10 - AGRAHAYANA 9, 1889 SAKA)

TANDARD RESSURE URFACE MB	AHMADABAD SURFACE PR (1005 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BANGALORE (910 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BOMBAY/SANTACRUZ (1009 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
URFACE	30	00055	305.8	307	304	285.1	30	00921	297.3	300	288	285.8	30	00013	302.9	306	300	291.7
1000	28	00097	305.4	307	303	284.2	30	00095					30	00093	302.4	306	300	290.2
900	28	01037	296.9	300	295	280.3	30	01017	296.8	299	292	285.6	30	01024	296.9	300	295	283.1
850	28	01529	292.6	296	290	277.5	30	01516	292.0	296	289	284.5	30	01521	293.1	297	290	280.5
800	28	02048	288.1	291	285	275.2	30	02036	287.4	291	283	282.0	30	02041	288.5	293	286	278.2
700	28	03163	280.4	284	277	267.1	30	03153	282.5	286	279	272.5	30	03158	281.6	284	279	269.0
600	28	04419	274.4	278	269	252.6	30	04420	276.0	279	268	266.9	30	04421	275.8	278	273	275.8
500	27	05865	265.9	270	262		30	05875	268.4	272	265		30	05874	266.8	270	264	
400	26	07571	254.8	261	251		30	07609	257.3	261	253		30	07584	255.6	259	252	
300	21	09660	239.6	244	234		30	09708	241.9	249	238		30	09682	241.0	248	238	
250	18	10921	232.4	239	225		30	10974	231.9	236	228		30	10946	231.7	236	228	
200	15	12418	221.3	226	215		30	12455	220.1	226	216		30	12425	220.1	225	217	
175	13	13287	216.4	220	212		30	13265	214.0	220	209		30	13275	214.0	217	210	
150	13	14252	211.1	215	208		30	14262	207.3	214	201		29	14230	208.2	211	202	
125	11	15383	207.3	212	203		26	15341	202.1	209	196		26	15336	202.6	206	197	
100	08	16688	203.6	209	201		26	16656	196.7	204	191		23	16645	198.9	203	193	
80	06	17996	204.5	207	200		23	18081	198.8	207	190		18	17945	199.3	205	193	
70	06	18788	207.1	210	201		22	18739	206.0	207	196		15	18717	202.0	208	194	
60	05	19761	210.4	213	207		19	19655	204.6	209	199		11	19662	205.8	211	200	
50	05	20899	215.8	222	211		16	20737	209.2	152	04		06	20711	207.8	215	203	
40	05	22323	218.6	225	212		07	22167	211.6	217	207		05	22101	212.8	219	206	
30							05	24062	216.2	219	211							
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TANDARD RESSURE URFACE MB	CALCUTTA/DUM DUM SURFACE PR (1011 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	ERNAKULAM (1008 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	GAUHATI (1006 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
URFACE	30	00006	298.8	302	295	290.4	30	00003	302.5	305	301	295.5	30	00049	295.2	299	291	291.1
1000	30	00106	298.9	302	296	288.0	30	00072	302.0	304	300	294.9	29	00107	295.4	299	291	290.4
900	30	01026	292.2	298	283	280.1	30	01001	295.0	298	293	287.7	29	01016	290.3	294	286	284.7
850	30	01516	288.4	296	284	277.4	30	01495	292.2	298	290	285.0	29	01502	286.9	291	283	281.3
800	30	02028	285.1	293	282	271.2	30	02013	288.9	292	286	280.5	29	02010	283.3	287	279	277.3
700	30	03137	280.0	284	275	261.1	30	03136	283.0	287	280	274.3	29	03107	275.9	280	272	265.0
600	30	04390	273.4	279	265	257.6	30	04403	276.1	280	273	265.2	29	04341	269.4	275	263	
500	30	05829	264.7	270	258		30	05858	267.9	279	265		29	05740	260.9	267	256	
400	30	07526	250.4	260	245		30	07576	257.0	262	253		29	07434	250.4	257	245	
300	28	09617	240.0	247	231		30	09681	241.4	247	237		27	09482	236.8	247	228	
250	28	10879	232.0	239	223		30	10945	232.5	240	230		24	10647	228.0	239	221	
200	28	12369	223.0	230	217		30	12432	220.6	229	215		24	12204	221.8	231	216	
175	23	13224	218.0	225	210		29	13272	214.2	220	208		22	13068	218.4	228	211	
150	22	14185	212.5	221	205		28	14231	207.3	211	202		22	14036	213.3	223	206	
125	21	15297	207.2	214	199		27	15291	200.9	205	193		21	15178	209.9	221	199	
100	21	16641	202.9	211	196		26	16630	195.8	201	192		20	16538	204.7	217	197	
80	14	17941	202.8	208	199		22	17903	197.8	205	192		14	17964	205.2	217	198	
70	11	18762	205.4	211	201		22	18675	200.4	208	193		13	18653	206.6	217	199	
60	08	19691	207.6	214	199		21	19600	204.0	210	198		11	19777	209.4	219	205	
50	08	20811	211.4	217	204		21	20700	207.5	213	202		11	20811	211.9	220	202	
40	06	22228	214.8	221	211		10	22059	211.2	215	205		08	22202	214.3	221	207	
30							05	23893	216.0	219	209		06	24036	217.2	221	210	
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TANDARD RESSURE URFACE MB	JODHPUR SURFACE PR (984 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	LUCKNOW/AMAUSI (998 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	MADRAS/MINAMBAKKAM (1010 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
URFACE	30	00217	302.0	304	299	289.0	30	00127	298.4	302	292	283.3	30	00015	300.0	304	297	293.2
1000	29	00074					30	00112	296.8	299	293	283.2	30	00096	299.2	301	296	292.5
900	28	00999	295.0	299	284	279.0	26	01028	292.7	297	288	276.3	30	00985	291.4	294	287	285.5
850	28	01494	292.0	295	289	276.0	26	01517	288.7	292	285	271.9	30	01505	289.3	294	285	279.6
800	28	02009	288.0	290	285	274.0	26	02027	284.4	288	278	266.5	30	02019	287.2	291	282	276.2
700	28	03129	279.0	284	276	268.0	26	03128	277.5	283	271	260.7	30	03138	282.7	287	277	271.6
600	28	04365	271.0	276	261	257.0	26	04368	270.4	275	265		30	04401	276.2	283	271	264.8
500	27	05791	261.0	268	260		26	05791	261.3	268	256		30	05857	268.0	274	260	
400	27	07469	251.0	255	247		26	07445	248.1	257	245		29	07573	256.8	261	247	
300	27	09531	237.0	242	231		25	09520	236.9	244	233		28	09930	241.7	246	239	
250	26	10777	230.0	234	224		25	10772	230.0	236	225		28	10919	232.4	236	230	
200	23	12247	221.0	226	214		25	12249	222.2	226	218		28	12437	219.9	224	216	
175	21	13101	216.0	219	211		25	13129	218.1	223	214		28	13281	214.1	218	209	
150	20	14069	212.0	217	208		24	14086	214.0	221	205		28	14237	206.7	212	198	
125	18	15191	209.0	216	204		21	15238	211.3	218	205		28	15317	200.8	206	193	
100	17	16547	206.0	216	200		19	16603	208.4	215	199		21	16642	195.7	202	189	
80	16	17871	206.0	213	199		18	18021	208.2	217	201		20	17934	198.1	203	190	
70	13	18679	208.0	212	201		16	18846	209.7	219	203		17	18730	201.2	209	195	
60	10	19610	210.0	216	205		15	19711	210.7	220	206		15	19650	205.5	211	197	
50	07	20707	213.0	219	209		13	20848	215.2	221	211		12	20763	210.0	215	202	
40	05	22125	219.0	221	215		08	22277	218.3	223	214		05	22217	216.8	221	214	
30																		
20																		
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RADIO SONDE DATA
TABLE VI-MEAN DYNAMIC HEIGHT,TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE
(B) FROM ASCENTS AT 12 HRS G.M.T.
NOVEMBER,1967 (KARTIKA 10 - AGRAHAYANA 9,1889 SAKA)

ER F7

STANDARD PRESSURE SURFACE MB	MINICOY SURFACE PR (0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NAGPUR/SONEGAON (977 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NEW DELHI/SAFDAR JUNG (989 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00002	300.9	303	297	296.0	30	00311	300.7	303	295	286.7	30	00209	296.7	300	292	286.0
1000	30	00079	300.2	302	297	295.2	30	00102					30	00112				
900	30	01000	293.5	296	291	289.1	30	01029	295.7	298	291	285.9	30	01026	292.0	297	287	278.4
850	30	01492	291.0	293	288	285.6	30	01525	291.2	295	286	282.8	30	01515	288.2	292	284	275.5
800	30	02010	288.7	291	285	283.3	30	02041	286.6	293	281	279.7	30	02026	284.4	289	280	270.9
700	30	03132	282.8	289	279	278.3	30	03147	278.1	284	273	272.2	30	03127	276.5	280	273	263.5
600	30	04399	276.3	281	272	271.4	30	04398	273.8	278	268	267.5	30	04362	268.8	274	265	
500	30	05854	268.3	275	264		30	05837	264.6	269	260		30	05772	259.8	263	255	
400	30	07576	257.8	263	254		30	07532	253.1	260	247		30	07436	247.8	252	243	
300	30	09694	243.0	249	239		30	09605	238.3	243	233		30	09467	233.9	239	228	
250	29	10971	234.0	241	229		30	10856	229.5	235	222		28	10659	225.1	232	220	
200	29	12462	221.7	230	216		29	12329	218.9	225	212		26	12161	220.4	224	213	
175	28	13301	215.2	222	210		28	13177	214.1	219	210		26	13017	216.9	222	207	
150	26	14271	208.8	217	203		28	14141	208.5	213	203		23	13985	213.5	220	207	
125	25	15347	201.3	210	192		24	15230	204.1	213	199		22	15113	211.0	218	201	
100	24	16685	197.1	205	187		23	16554	200.0	207	196		18	16482	211.0	216	199	
80	21	17990	201.7	208	185		18	17882	201.5	207	195		13	17850	209.4	217	202	
70	19	18789	204.7	211	187		17	18681	204.2	209	197		13	18667	211.0	216	204	
60	15	19717	207.1	214	191		11	19606	209.0	213	203		09	19619	212.2	217	207	
50	13	20816	209.8	215	193		07	20707	212.3	219	206		06	20713	213.7	218	211	
40	05	22213	211.4	217	196													
30																		
20																		
10																		

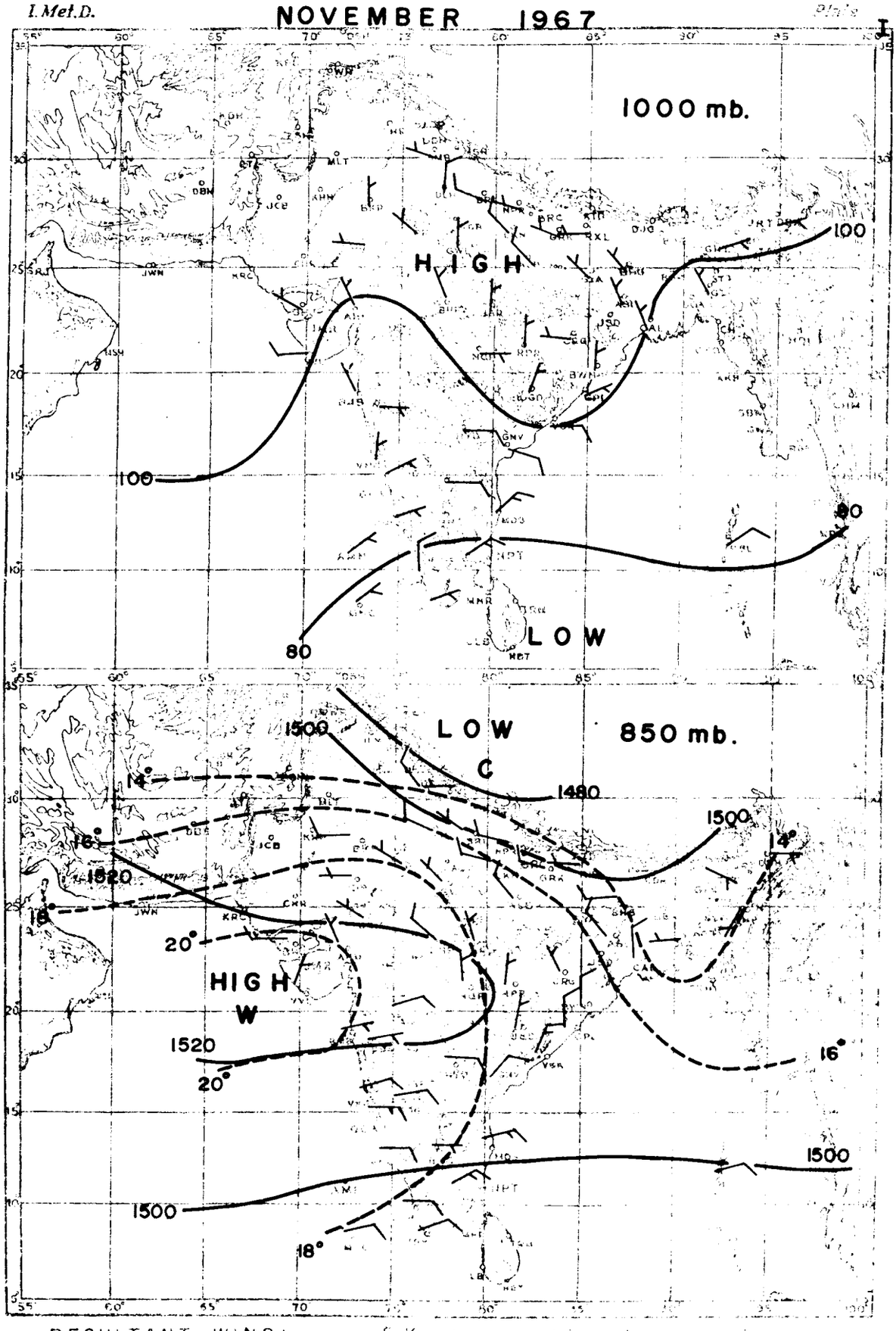
STANDARD PRESSURE SURFACE MB	PORT BLAIR SURFACE PR (1000 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	SRINAGAR (843 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	TRIVENDRUM (1001 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00079	299.8	302	297	296.3	24	01588	285.2	291	281	277.1	30	00064	301.2	303	297	295.2
1000	30	00085	299.5	302	297	296.3	24	00136					29	00075	301.2	303	297	295.1
900	27	01004	293.5	298	291	290.7	24	01036					28	01001	293.3	295	291	289.2
850	27	01495	290.7	293	287	287.1	24	01459					28	01493	290.1	293	287	286.3
800	27	02011	287.5	292	284	284.5	24	02023	281.4	287	277	272.4	28	02010	287.7	290	285	283.6
700	27	03131	284.7	286	277	278.2	24	03110	272.7	280	269	260.3	28	03133	282.5	285	279	277.9
600	26	04392	275.5	279	269	271.5	23	04321	263.2	269	260		28	04402	275.9	280	273	268.9
500	24	05842	267.6	271	259		22	05709	254.3	259	249		28	05853	267.4	271	265	
400	21	07572	257.8	263	253		20	07334	243.1	249	239		28	07568	256.4	260	254	
300	21	09685	242.7	247	237		20	09325	228.6	234	223		28	09668	240.7	243	238	
250	19	10958	233.3	239	229		19	10529	222.2	226	214		28	10929	230.9	234	228	
200	17	12446	222.0	229	217		19	11967	218.4	225	212		28	12403	219.1	223	215	
175	16	13294	214.3	220	211		18	12713	217.1	223	212		25	13244	212.8	219	208	
150	16	14249	208.5	215	203		17	13803	216.0	219	211		25	14198	205.8	212	200	
125	14	15343	201.2	210	197		14	14961	214.2	223	209		19	15268	198.5	205	192	
100	12	16624	196.0	207	189		12	16365	214.5	223	208		18	16569	194.8	202	190	
80	08	17913	198.2	212	192		10	17748	214.5	217	212		12	17866	198.0	204	193	
70	08	18683	199.6	217	191		08	18588	215.5	219	213		07	18602	199.3	205	194	
60	07	19551	198.7	209	193		07	19558	216.5	221	212							
50	07	20619	200.7	211	197		05	20769	220.2	221	219							
40																		
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	VISAKHAPATNAM SURFACE PR (1007 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	30	00041	300.8	303	298	291.0												
1000	30	00106	299.7	301	297	294.8												
900	30	01026	292.8	297	289	286.1												
850	30	01517	289.3	293	286	284.1												
800	30	02032	286.0	290	283	280.4												
700	30	03146	280.6	286	274	274.2												
600	30	04407	275.2	278	273	268.2												
500	30	05857	266.6	271	264													
400	30	07567	255.5	259	251													
300	30	09667	240.2	246	236													
250	30	10927	230.7	235	226													
200	30	12395	218.6	225	219													
175	28	13221	213.3	219	207													
150	27	14195	208.0	214	201													
125	26	15281	203.1	208	197													
100	24	16621	203.6	206	193													
80	17	17978	202.0	210	197													
70	16	18770	204.4	211	197													
60	15	19713	206.8	215	199													
50	10	20803	209.7	219	202													
40	05	22135	209.0	217	203													
30																		
20																		
10																		

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I.Met.D.

NOVEMBER 1967

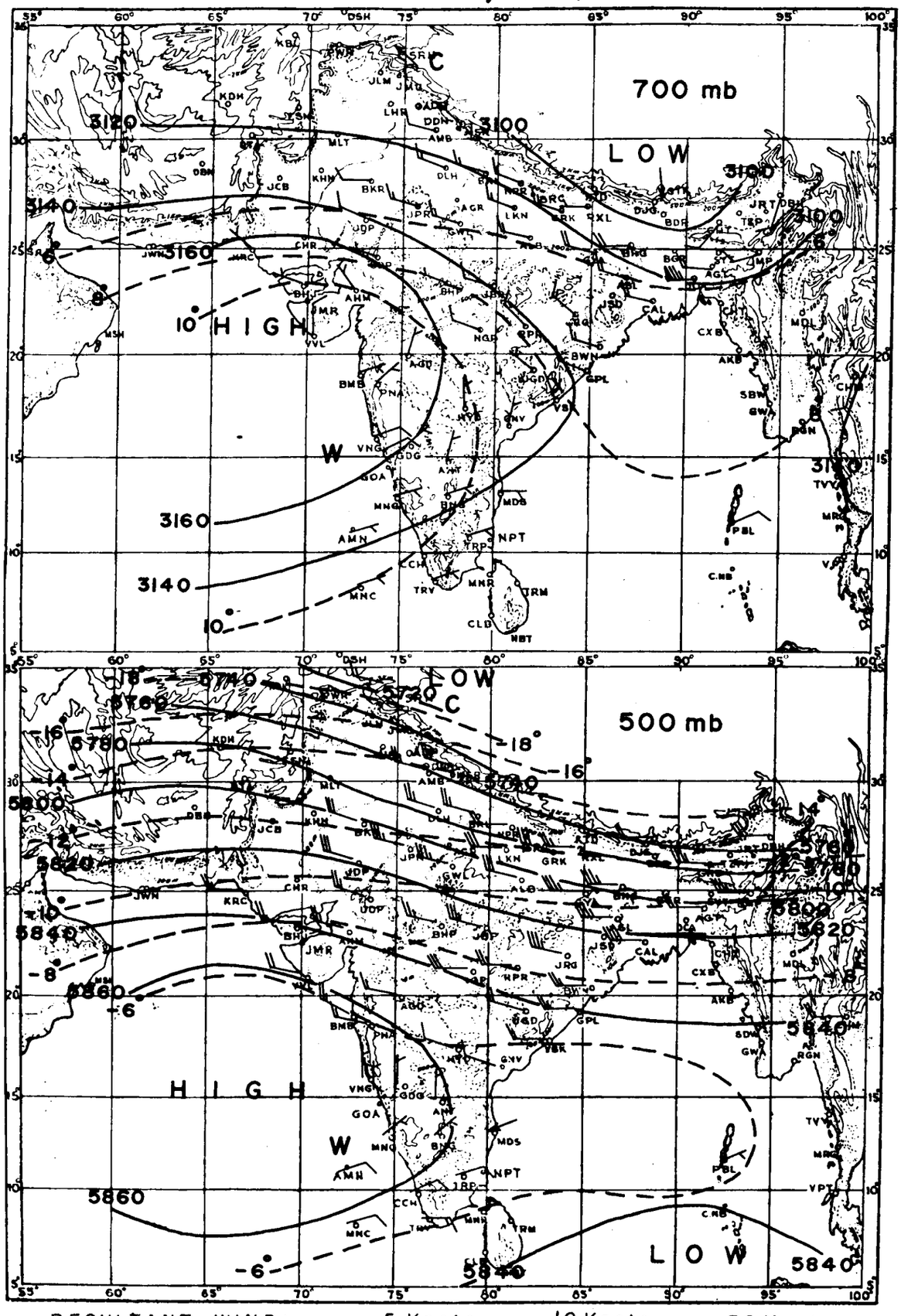


RESULTANT WIND: 5 Knots

----Isotherms in degrees Celsius; Contours in geopotential metres

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I. Met. D. **NOVEMBER, 1967** *Plate*



RESULTANT WIND: 5 Knots 10 Knots 50 Knots

----Isotherms in degrees Celsius;——Contours in geopotential metres

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GOVERNMENT OF INDIA

मौसम विज्ञान विभाग

METEOROLOGICAL DEPARTMENT

भारतीय मौसम पुनरीक्षण

INDIA WEATHER REVIEW

1967

मासिक मौसम रिपोर्ट

MONTHLY WEATHER REPORT

दिसम्बर

DECEMBER

भारत सरकार के प्राधिकार द्वारा वेधशालाओं के महानिदेशक के निदेशाधीन प्रकाशित
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INDIA WEATHER REVIEW, 1967

Monthly Weather Report

DECEMBER

MONTHLY WEATHER REPORT

FOR

DECEMBER, 1967.

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* * * *

MEANING OF SYMBOLS AND ABBREVIATIONS IN TABLES II and III

Symbol/Abbreviation	Meaning
(a)	Mean/total for 30 days.
(b)	Mean/total for 29 days.
(c)	Mean/total for 28 days.
(d)	Mean/total for 27 days.
(e)	Mean/total for 26 days.
(f)	Mean/total for 25 days.
(g)	Mean/total for 24 days.
(h)	Mean/total for 23 days.
(i)	Mean/total for 22 days.
(j)	Mean/total for 21 days.
(k)	Mean/total for 20 days.
(l)	Mean/total for 19 days.
(m)	Mean/total for 18 days.
(n)	Mean/total for 17 days.
(o)	Mean/total fof 16 days.
(p)	Mean/total for 15 days.
(q)	Mean/total for 14 days.
*	Closed during winter months.
(R)	Register not received, hence data not available.
#	Data for less than 15 days, hence no means published.
ds	Days.
●	Data rejected.
D.N.	Data not available.
E	Estimated.
H	Provisional height.

INDIA WEATHER REVIEW, 1967

Monthly Weather Report

DECEMBER

Published by authority of Government of India

Chief features :-

i) An unusually warm and wet month for the country in general;

ii) Formation and movement of a severe cyclonic storm in the southwest Bay of Bengal causing serious havoc over the coastal areas of the Madras State;

and iii) Movement of five western disturbances across northwest India, one of them developing into a depression.

The low pressure area which was lying over Comorin and adjoining Maldive areas on 30th November moved away slowly westwards across Maldive area by 4th December. Under its influence, there was good rainfall over the extreme south Peninsula during that period.

The other well marked low pressure area lying over the south Andaman Sea at the end of last month moved westwards and concentrated into a depression by the morning of 4th with centre near Lat. 5°N and Long 88°E. Moving in a northwesterly direction, it intensified into a cyclonic storm by the evening of 5th and was centred near Lat 8°N and Long. 82.5°E. It crossed the east coast of Ceylon near Batticole in the early morning of 6th and moving in a northnorthwesterly direction it further intensified into a severe cyclonic storm by the morning of 7th when it was centred near Jaffna. Taking a northerly course the severe cyclonic storm moved close to the Madras coast and crossed it just north of Nagapattinam in the early hours of 8th. Thereafter it weakened rapidly into a depression and moved westwards. It further weakened into a low pressure area by the morning of 9th when it lay over the Arabian Sea off the north Kerala and Mysore coasts. Later it shifted slowly further westwards and moved away across the east central Arabian Sea by 13th. Under its influence, squally winds and gales lashed the Madras coast between Pamban and Cuddalore on 6th and 7th and heavy to very heavy rains occurred in the Madras State from 4th to 9th. Vedaranniyam recorded an exceptionally heavy fall of 29 cm. of rain on 7th and 15 cm. on 8th and 14 cm. on 9th. The other noteworthy amounts of rainfall reported were : Nagapattinam 10 cm. on 4th, 17 cm. on 7th and 15 cm. on 8th, Atirampattinam 14 cm. each on 7th and 8th, Tondi 12 cm. on 7th and 15 cm. on 8th, Pamban 10 cm. on 7th and 12 cm. on 8th and Tiruchchirappalli 10 cm. on 8th and 13 cm.on 9th. According to press reports, Rameswaram Island was cut off from the mainland due to gales and heavy rains caused by the cyclonic storm. Road and rail communication were also seriously disrupted particularly in the southern districts of Madras State due to heavy rains in addition to the secere havoc caused in the coastal areas of Ramanathapuram and Tanjore districts due to gales and inundation by tidal waters. The cyclone was reported to have taken a toll of seven lives and rendered about 15,000 people homeless.

Five western disturbances moved across northwest India during the month. These together with some upper air developments affecting central and adjoining north India caused spells of precipitation over north and central India and north Peninsula and made it an unusually wet month. The first western disturbance was quite active and moved across northwest India during the period 1st - 4th. At the same time an upper air trough also persisted over west Madhya Pradesh and adjoining Rajasthan. Under their influence, there was excess precipitation over northwest India, Uttar Pradesh, Bihar State and the central parts of the country. Dalhousie, Banihal and Jammu recorded 7 cm. of rain each on 3rd. An upper air cyclonic circulation developed over east Rajasthan and adjoining west Madhya Pradesh on 6th. It shifted slightly eastwards and became unimportant by 8th. In association with it, north Madhya Pradesh and south Uttar Pradesh received light rain towards the end of the first week. Later in the second week two western disturbances moved across northwest India followed by a trough in the high level westerlies which moved from northwest India to Bihar State during the period 15th - 18th. A trough in the low level easterlies extending from Gujarat State to the extreme east central Arabian Sea also persisted from 14th to 17th. In association with these developments, therewas marked incursion of moist air with the north Peninsula, central India and most parts of north India leading to an unusual spell of good rainfall over these areas during the period 10th - 19th. Some of the heavy rainfalls recorded were : Ongole 7 cm. on 10th, Pendra 8 cm. and Mandla Gondia and Wardha 7 cm. each on 11th, Ongole 7 cm. on 12th, Jagdalpur 8 cm. on 13th and Sironcha 10 cm. on 14th. According to press reports, the standing crops which were ready to be harvested were damaged in the Vidarbha region due to unseasonal rains. During the last

week two active western disturbances affected northwest India, the later western disturbance intensifying into a depression on 26th over west Rajasthan and adjoining West Pakistan. An induced low also formed over Gujarat Region and adjoining Rajasthan on 29th and later persisted as an upper air trough extending from west Uttar Pradesh to Gujarat State till the beginning of next month. These developments led to another spell of good precipitation over northwest India, Uttar Pradesh and Madhya Pradesh. There was also heavy snowfall in the Western Himalayas, particularly in Jammu and Kashmir. Banihal recorded 18 cm. of rain and Jammu 11 cm. on 27th. According to press reports, road and air traffic between Srinagar and the rest of the country remained suspended for a number of days during the last week.

The month was unusually warm over practically the entire country. Night temperatures over the central parts of the country were markedly above normal on a number of days and appreciably above normal over the remaining days. They were also appreciably to markedly above normal over the north Peninsula throughout the month, over the south Peninsula during the second half of the month and over northwest India, Uttar Pradesh, Gujarat State, Bihar State and Orissa during the first five days of the month and again during the second and fourth weeks. They were below normal over Assam on a few days during the first fortnight.

The total rainfall for the month was in moderate excess in Bihar Plains. It was in slight defect in Bay Islands, Gangetic West Bengal and Kerala, in moderate defect in Arabian Sea Islands and in large defect in Assam, Sub-Himalayan West Bengal and coastal Mysore. It was in large excess over the rest of the country.

The mean maximum temperature was above normal in Orissa and below normal in Uttar Pradesh, Haryana, Punjab, Himachal Pradesh, Rajasthan, West Madhya Pradesh, Gujarat, Saurashtra and Marathwada. It was normal over the rest of the country.

The mean minimum temperature was normal in Bay Islands, Assam, Sub-Himalayan West Bengal, Jammu and Kashmir, Madras, South Interior Mysore, Kerala and Arabian Sea Islands. It was above normal over the rest of the country.

The mean Relative Humidity in the morning was normal in Bay Islands, Assam, Gangetic West Bengal, Madras, coastal Mysore, South Interior Mysore, Kerala and Arabian Sea Islands and below normal in Himachal Pradesh. It was above normal over the rest of the country.

The mean Relative Humidity in the evening was normal in Bay Islands, Assam, West Bengal, Coastal Mysore, South Interior Mysore, Kerala and Arabian Sea Islands. It was above normal over the rest of the country.

The mean cloud amount in the morning was normal in Bay Islands, North Assam, Himachal Pradesh, Saurashtra, Madras, south Interior Mysore. It was above normal over the rest of the country.

The mean cloud amount in the evening was normal in Bay Islands, Himachal Pradesh, Madras and Arabian Sea Islands. It was above normal over the rest of the country.

Poona - 5.

14th March 1968.

R. ANANTHAKRISHNAN,

for Director General of Observatories.

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS - DECEMBER, 1967 AGRAHAYANA 10 - AUSA 10, 1889 SAKA)

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1.ASSAM(INCLUDING.	3.8	42	24.7	11.5	84	75	2.4	2.3
NEFA,N.L.ETC) .	- 5.3		-0.1	0.0	+ 3	- 1	+0.3	+0.5
2.WEST BENGAL .	2.8	76	26.9	14.2	74	65	2.0	2.3
.	- 0.9		+0.7	+1.0	+ 2	+ 3	+0.8	+0.7
3.ORISSA .	11.0	208	28.4	17.1	76	62	3.2	3.5
.	+ 5.7		+1.1	+3.2	+ 6	+ 8	+1.7	+1.6
4.BIHAR .	8.9	247	25.5	12.6	79	65	3.0	3.1
.	+ 5.3		+0.3	+1.7	+ 8	+ 9	+1.8	+1.8
5.UTTAR PRADESH .	44.7	461	22.4	10.6	85	70	3.0	3.4
.	+ 35.0		-1.3	+2.0	+ 9	+15	+1.5	+1.8
6.HARYANA(INCLU. .	62.8	528	20.8	9.0	85	68	2.9	2.9
DELHI CHANDIGARH).	+ 50.9		-2.4	+1.6	+13	+23	+1.2	+1.0
7.PUNJAB .	100.4	639	20.0	7.5	90	71	3.1	3.3
.	+ 84.7		-2.1	+1.4	+10	+17	+0.9	+0.8
8.HIMACHAL .	58.5	177	18.2	5.8	88	75	4.7	4.1
PRADESH .	+ 25.5		-2.4	+2.1	- 7	+14	-0.7	+0.6
9.JAMMU AND .	187.2	532	9.8	- 1.1	75	69	5.4	5.7
KASHMIR .	+152.0		-0.7	-2.2	+ 6	+14	+1.2	+1.1
				+0.1				
SUB-DIVISION								
SUB-DIVISION								
1.BAY ISLANDS .	143.8	85	29.6	23.8	74	79	4.6	4.6
.	- 25.7		0.0	-0.1	- 3	- 3	-0.1	-0.1
2.NORTH ASSAM .	5.3	46	24.7	11.9	85	78	2.3	2.4
(INCLUDING NEFA) .	- 6.2		-0.1	+0.2	+ 4	0	+0.1	+0.5
3.SOUTH ASSAM .	0.1	3	24.6	10.7	80	68	2.5	2.3
(INCL.N.LAND ETC).	- 2.9		-0.4	-0.2	+ 1	- 3	+0.7	+0.7
4.SUB-HIMALAYAN .	1.1	42	25.6	12.1	83	71	2.0	2.2
WEST BENGAL .	- 1.5		+0.1	+0.4	+ 6	+ 1	+0.7	+0.6
5.GANGETIC WEST- .	3.3	80	27.4	14.9	71	63	2.1	2.4
BENGAL .	- 0.8		+1.0	+1.2	+ 1	+ 4	+0.9	+0.8
6.ORISSA .	11.0	208	28.4	17.1	76	62	3.2	3.5
.	+ 5.7		+1.1	+3.2	+ 6	+ 8	+1.7	+1.6
7.BIHAR PLATEAU .	15.3	319	25.7	12.8	75	63	3.1	3.5
.	+ 10.5		+0.6	+1.7	+10	+12	+1.9	+2.0
8.BIHAR PLAINS .	4.2	150	25.4	12.3	83	67	3.0	2.7
.	+ 1.4		+0.1	+1.6	+ 7	+ 6	+1.9	+1.5
9.UTTAR PRADESH .	33.2	706	23.4	11.6	87	71	3.3	3.3
(EAST) .	+ 28.5		-1.1	+2.4	+ 9	+13	+2.0	+1.9
10.UTTAR PRADESH .	60.1	366	21.0	9.2	84	68	2.6	3.5
(WEST) .	+ 43.7		-1.5	+1.5	+11	+17	+0.9	+1.6
11.HARYANA(INCLU. .	62.8	528	20.8	9.0	85	68	2.9	2.9
DELHI CHANDIGARH).	+ 50.9		-2.4	+1.6	+13	+23	+1.2	+1.0
12.PUNJAB .	100.4	639	20.0	7.5	90	71	3.1	3.3
.	+ 84.7		-2.1	+1.4	+10	+17	+0.9	+0.8
13.HIMACHAL .	58.5	177	18.2	5.8	88	75	4.7	4.1
PRADESH .	+ 25.5		-2.4	+2.1	- 7	+14	-0.7	+0.6
14.JAMMU AND KASH-.	187.2	532	9.8	- 1.1	75	69	5.4	5.7
-MIR .	+152.0		-0.7	-2.2	+ 6	+14	+1.2	+1.1
15.RAJASTHAN(WEST).	23.0	523	22.9	9.7	83	56	3.2	2.8
.	+ 18.6		-2.2	+1.7	+22	+17	+1.4	+0.8
16.RAJASTHAN(EAST).	50.9	1131	23.2	11.8	85	63	4.0	3.4
.	+ 46.4		-1.8	+3.7	+17	+20	+2.3	+1.4
17.MADHYA PRADESH .	86.9	1473	25.5	14.2	85	62	4.6	4.3
(WEST) .	+ 81.0		-1.2	+4.0	+23	+25	+2.9	+2.4

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
10.RAJASTHAN .	38.4	853	23.1	10.9	84	60	3.7	3.1
.	+ 33.9		-1.9	+2.9	+19	+19	+2.0	+1.1
11.MADHYA PRADESH .	83.1	1484	25.6	14.5	85	65	4.5	4.3
.	+ 77.5		-1.0	+4.3	+20	+25	+2.9	+2.5
12.GUJARAT STATE .	24.0	2000	28.1	15.8	74	50	2.3	2.5
(INCLU.DIU ETC).	+ 22.8		-1.2	+1.8	+17	+13	+0.8	+1.0
13.MAHARASHTRA .	71.8	1436	28.9	18.2	78	58	4.2	4.4
STATE(INCL.GOA).	+ 66.8		-0.8	+2.9	+16	+15	+2.5	+2.4
14.ANDHRA PRADESH .	55.8	360	29.3	19.5	81	61	3.8	3.9
.	+ 40.3		+0.6	+2.4	+ 7	+ 8	+1.1	+1.0
15.MADRAS STATE .	221.5	247	28.9	21.5	83	73	5.0	5.1
(INCL.PONDICH.).	+131.9		+0.1	+0.5	+ 3	+ 7	+0.6	+0.5
16.MYSORE .	13.9	143	29.5	18.2	75	51	4.1	4.4
.	+ 4.2		+0.6	+1.5	+ 6	+ 6	+1.3	+1.4
17.KERALA .	36.7	85	31.4	22.1	78	65	4.3	4.9
.	- 6.7		+0.1	-0.2	+ 3	+ 2	+0.7	+0.8
SUB-DIVISION								
SUB-DIVISION(CONTD)								
18.MADHYA PRADESH .	78.0	1529	25.7	14.9	85	68	4.4	4.4
(EAST) .	+ 72.9		-0.7	+4.8	+15	+22	+3.0	+2.7
19.GUJARAT REGION .	31.9	3988	29.3	16.9	77	51	3.0	3.0
(INCL.DAMAN ETC).	+ 31.1		-1.1	+3.2	+19	+17	+1.5	+1.6
20.SAURASHTRAKUTCH.	20.3	1562	27.5	15.3	72	50	1.8	2.2
(INCLUDING DIU) .	+ 19.0		-1.3	+1.2	+16	+11	+0.2	+0.6
21.KONKAN .	20.5	891	30.7	21.7	76	67	4.0	3.9
(INCLUDING GOA).	+ 18.2		-0.4	+1.7	+11	+ 6	+2.2	+2.0
22.MADHYA- .	51.5	904	29.0	16.5	77	51	3.9	4.4
-MAHARASHTRA .	+ 45.8		-0.7	+3.5	+17	+17	+2.2	+2.3
23.MARATHWADA .	116.3	1292	27.7	16.0	74	53	4.7	5.1
.	+107.3		-1.3	+3.7	+19	+17	+3.0	+3.0
24.VIDARBHA .	131.0	2259	27.6	17.3	83	59	4.5	4.5
.	+125.2		-1.0	+3.6	+19	+19	+2.9	+2.6
25.COASTAL ANDHRA .	93.3	413	29.2	20.5	82	70	3.7	3.6
-PRADESH .	+ 70.7		+0.8	+1.8	+ 6	+ 7	+0.9	+0.6
26.TELANGANA .	18.3	366	29.6	18.8	80	51	3.9	3.7
.	+ 13.3		+0.4	+3.5	+ 8	+ 9	+1.6	+1.3
27.RAYALASEEMA .	37.2	211	28.8	19.0	80	60	3.9	4.7
.	+ 19.6		+0.2	+1.9	+ 6	+10	+0.9	+1.3
28.MADRAS STATE .	221.5	247	28.9	21.5	83	73	5.0	5.1
(INCL.PONDICH.).	+131.9		+0.1	+0.5	+ 3	+ 7	+0.6	+0.5
29.COASTAL MYSORE .	4.8	42	32.5	22.4	71	62	3.8	4.1
.	- 6.6		+0.3	+1.1	+ 3	+ 1	+1.1	+1.2
30.INTERIOR MYSORE.	10.9	170	29.3	18.2	74	46	4.2	4.9
(NORTH) .	+ 4.5		+0.5	+2.4	+12	+10	+2.1	+2.3
31.INTERIOR MYSORE.	21.2	180	28.2	16.6	79	49	4.1	4.2
(SOUTH) .	+ 9.4		+0.8	+0.9	+ 3	+ 4	+0.6	+0.7
32.KERALA .	36.7	85	31.4	22.1	78	65	4.3	4.9
.	- 6.7		+0.1	-0.2	+ 3	+ 2	+0.7	+0.8
33.ARABIAN SEA- .	45.2	71	30.9	23.9	79	73	4.6	5.0
ISLANDS .	- 18.2		+0.3	+0.3	+ 3	- 1	+1.0	+0.6

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

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER.- DECEMBER, 1967 AGRAHAYANA 10 - AUSA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
BAY ISLANDS																												
MAYA BANDAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	.$	..	..!	..	..	..	.	..	.
LONG ISLAND	29.3	-0.6	30.4	08	23.3	+0.4	19.4	19	49.2	79.1	+ 45.7	42.7	03	3	+ 0.4	6.2	4.6	+2.7	0	3	0	0	0	0	0	0	0	0
PORT BLAIR	30.2	+1.2	31.4	31	23.3	+0.2	20.1	28	25.2	74.6	-125.3	24.5	01	6	- 1.4	10.1	8.9	-5.0	0	11	0	0	2	0	0	0	0	0
CAR NICOBAR	29.9	+0.3	30.4	10	24.0	-0.4	22.1	03	26.0	84.5	- 64.2	57.0	03	5	- 0.1	8.4	6.7	+0.2	0	5	0	0	0	0	0	0	0	0
NAN COWRY	31.0	-0.3	32.6	23	24.5	+0.5	22.7	05	77.2	215.8	- 4.7	59.6	05	11	+ 1.3	1.9	0.9	+0.2	0	12	0	0	1	0	0	0	0	0
KONDUL	27.6	-0.7	28.5	10	23.7	-1.2	21.4	02	125.8	265.2	+ 20.0	80.4	04	12	+ 0.4	10.8	9.2	-0.7	0	15	0	0	4	0	0	0	0	0
NORTH ASSAM (INCLUDING NEFA)																												
PASIGHAT	23.8	-0.1	26.6	08	12.9	-0.4	10.0	20	0.0	1.4	- 21.1	0.8	15	0	- 1.9	7.0	10.6	-3.1	0	2	0	0	0	0	0	0	0	0
DIBRUGARH (MOHANBARI)	24.0	+0.3	26.0	05	10.6	+0.9	7.8	27	0.9	4.2	- 17.9	2.6	14	1	- 1.4	3.9	2.1	+0.4	1	3	0	0	0	13	0	0	0	0
DIGBOI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
NORTH LAKHIMPUR	24.2	0.0	26.5	05	9.4	+0.1	6.7	27	0.2	0.5	- 31.7	0.4	15	0	- 3.3	3.7	1.9	..	1	1	0	0	0	2	0	0	0	0
SIBSAGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GOHPUR	24.3	+0.2	26.4	05	9.5	-0.5	6.8	27	2.3	4.6	- 14.2	2.5	09	1	0.0	1.7	1.0	..	1	4	0	0	0	0	0	0	0	0
MAJBAT	24.1	..	27.1	11	12.2	..	10.0	06	0.0	0.0	- 15.0	0.0	..	0	- 1.4	1.3	1.2	-1.5	0	0	0	0	0	0	0	0	0	0
JORHAT AERODROME	24.1	..	26.5	06	11.6	..	9.2	27	1.5	10.0	..	8.5	15	1	..	..	..	..	0	2	0	0	0	28	0	0	0	0
TANGLA	25.2	-0.7	27.8	04	12.4	+1.2	10.0	25	0.0	33.0	+ 24.8	17.1	20	3	+ 2.0	2.3	1.5	+0.2	0	4	0	0	0	0	0	0	0	0
TEZPUR	24.8	+0.1	26.7	04	12.9	+0.5	11.6	26	0.0	8.2	+ 1.3	8.0	15	1	+ 0.3	3.8	2.7	+0.6	1	1	0	0	0	0	0	0	0	0
GOLAGHAT	24.5	+0.1	27.6	25	11.5	-0.5	8.9	22	0.0	6.0	- 11.5	5.4	15	1	- 0.3	..	..	..	0	2	0	0	0	3	0	0	0	0
RANGIA	24.9	-0.8	29.5	14	13.2	+0.1	11.1	27	0.0	0.0	- 3.6	0.0	..	0	- 0.2	..	..	..	0	0	0	0	0	0	0	0	0	0
CHAPARMUKH	25.4	-0.3	27.5	05	13.1	+1.1	9.5	27	11.6	11.6	+ 5.4	11.6	25	1	0.0	2.3	2.6	..	0	1	0	0	0	11	0	0	0	0
GOALPARA	26.1	+0.1	28.6	07	12.9	+0.7	10.5	27	0.0	0.0	- 5.5	0.0	..	0	- 0.3	2.7	1.4	0.0	0	0	0	0	0	8	0	0	0	0
GAUHATI (BHORJOR)	24.3	-0.5	25.7	31	11.7	-0.2	10.0	23	0.0	0.6	- 6.6	0.6	09	0	- 0.8	4.0	2.2	..	0	1	0	0	0	22	0	0	0	0
DHUBRI (RUPSI)	25.2	-0.1	27.3	05	12.0	+0.3	9.4	20	0.0	0.0	- 0.6	0.0	..	0	- 0.1	5.3	4.5	+1.8	0	0	0	0	0	3	0	0	0	0
DHUBRI	24.3	+0.6	26.7	05	13.2	-1.1	11.4	22	0.0	0.0	- 1.3	0.0	..	0	- 0.1	7.9	4.9	+0.8	0	0	0	0	0	2	0	0	0	0
LUMDING	24.8	+0.4	26.3	10	11.2	+0.6	8.5	24	0.0	9.4	+ 4.8	4.8	20	1	+ 0.4	3.1	1.7	..	0	4	0	0	0	0	0	0	0	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																												
TURA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
HAFLONG	19.8	-1.6	21.3	08	12.4	+0.8	11.0	20	0.0	0.0	- 2.8	0.0	..	0	- 0.9	..	..	..	0	0	0	0	0	0	0	0	0	0
SILCHAR (KUMBHIRGRAM)	26.1	-0.8	27.6	04	13.3	+0.6	10.9	23	0.0	0.0	- 1.9	0.0	..	0	- 0.5	4.6	7.1	-0.3	0	0	0	0	0	0	0	0	0	0
SILCHAR	26.3	-0.2	27.3	12	13.7	+0.4	10.9	23	0.0	0.0	- 8.6	0.0	..	0	- 0.6	0.0	0.0	-1.2	0	0	0	0	0	0	0	0	0	0
IMPHAL (TULIHAL)	21.8	-0.3	23.1	05	4.0	-1.1	2.3	23	0.0	0.0	- 3.1	0.0	..	0	- 0.5	5.8	3.0	-0.5	0	0	0	0	0	16	0	0	0	0
KAILASHAHAR	26.6	-0.1	28.7	04	10.4	-0.8	7.5	23	0.2	0.2	+ 0.2	0.2	12	0	0.0	2.7	1.2	-0.1	1	0	0	0	0	5	0	0	0	0
AGARTALA	26.8	+0.3	28.3	04	10.3	-1.1	6.9	22	0.6	0.6	- 1.1	0.6	11	0	- 0.1	6.4	3.1	+0.2	0	1	0	0	0	6	0	0	0	0
SUB-HIMALAYAN WEST BENGAL																												
BAGHDOGRA	26.1	+0.1	28.8	04	10.4	+0.5	8.2	19	0.0	4.0	+ 2.9	4.0	09	1	+ 0.9	6.4	6.0	+2.7	0	1	0	0	0	1	0	0	0	0
JALPAIGURI	25.2	+0.2	27.4	12	13.4	+1.3	11.0	20	0.0	0.0	- 4.3	0.0	..	0	- 0.4	3.6	3.1	+0.2	0	0	0	0	0	3	0	0	0	0
COOCH BEHAR AERODROME	25.0	-0.8	27.0	04	11.2	-1.5	8.6	25	0.0	0.0	- 3.3	0.0	..	0	- 0.2	3.3	1.5	-0.2	0	0	0	0	0	20	0	0	0	0
BALURGHAT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MALDA	26.2	+1.1	28.6	01	13.4	+1.2	10.2	22	0.0	0.2	- 1.6	0.2	11	0	- 0.2	2.5	1.2	-3.2	1	0	0	0	0	0	0	0	0	0
GANGETIC WEST BENGAL																												
BERHAMPORE	27.1	+0.7	30.5	29	14.2	+1.1	11.5	23	4.0	4.0	- 0.1	4.0	12	1	+ 0.6	0.1	0.0	-1.3	0	1	0	0	0	23	0	0	0	0
SURI	26.7	+1.0	29.3	04	14.6	+0.3	11.8	06	..	10.0	+ 6.5	7.0	11	2	+ 1.9	.	3.1	-2.6	0	2	0	0	0	0	0	0	0	0
ASANSOL	27.3	+1.1	30.0	02	13.2	+0.8	8.5	23	5.7	10.3	+ 5.7	5.7	12	2	+ 1.7	5.4	2.6	-2.7	0	2	0	0	0	0	0	0	0	0
SHANTI NIKETAN	26.6	..	28.4	28	14.0	..	11.1	23	6.0	6.5	..	6.2	12	1	..	3.1	3.2	..	0	2	0	0	0	3	0	0	0	0
KRISHNANAGAR	28.5	+1.1	30.8	29	11.1	-1.0	6.0	23	2.0	2.0	- 1.6	2.0	12	0	- 0.3	2.2	1.5	-0.2	0	1	0	0	0	0	0	0	0	0
PURULIA	26.2	+0.2	29.2	04	12.9	-0.4	9.2	23	5.4	8.0	+ 6.7	5.6	12	1	+ 0.7	3.7	2.3	-0.3	0	2	0	0	1	0	0	0	0	0
BANKURA	27.7	..	30.2	01	15.4	..	12.1	23	0.7	1.0	- 2.6	0.7	12	0	- 0.4	3.8	2.0	..	0	2	0	0	0	0	0	0	0	0
BURDWAN	28.1	+1.9	30.0	28	14.7	+1.1	11.4	07	0.0	0.0	- 5.1	0.0	..	0	- 0.3	3.4	2.8	+0.3	0	0	0	0	0	0	0	0	0	0
CALCUTTA (DUM DUM)	27.4	+0.9	29.3	29	15.0	+2.0	10.8	07	0.0	0.0	- 3.6	0.0	..	0	- 0.3	3.4	2.2	-1.3	0	0	0	0	0	6	0	0	0	0
CALCUTTA	27.9	+0.9	29.6	10	16.2	+2.0	12.3	07	0.0	4.3	+ 0.2	4.3	01	1	+ 0.6	4.5	2.4	-0.1	0	1	0	0	0	1	0	0	0	0
MIDNAPORE	27.6	+0.9	29.7	02	16.1	+2.8	12.1	07	0.0	0.0	- 5.1	0.0	..	0	- 0.3	3.6	2.3	-0.8	0	0	0	0	0	0	0	0	0	0
CONTAI	27.8	+0.7	29.5	29	17.7	+2.9	13.0	07	0.0	0.0	- 4.3	0.0	..	0	- 0.2	3.4	1.9	-1.2	0	0	0	0	0	8	0	0	0	0
SAGAR ISLAND	26.4	+1.1	27.9	04	18.4	+2.0	14.4	07	0.0	0.3	- 5.8	0.3	11	0	- 0.3	11.3	8.8	-2.3	0	1	0	0	0	21	0	0	0	0
SANDHEADS	27.3	..	30.0	15	22.8	..	19.3	23	0.0	0.0	- 10.7	0.0	..	0	- 0.4	..	..	..	0	0	0	0	0	0	0	0	0	0
ORISSA																												
BARIPADA	28.3	+0.3	30.4	29	15.7	+3.7	11.6	07	0.0	23.5	+ 22.9	22.9	25	1	+ 1.0	2.5	1.1	-0.4	0	1	0	0	0	2	0	0	0	0
JHARSUGUDA	28.4	+0.8	31.7	30	16.0	+3.9	12.4	22	4.2	21.0	+ 19.6	12.0	24	3	+ 2.8	5.8	5.9	+0.8	0	3	0	0	1	1	0	0	0	0
KEONJHARGARH	28.1	+2.7	28.9	31	13.7	+1.4	11.7	24	7.8	8.0	+ 0.4	6.2	25	1	+ 0.7	4.8	2.4	-0.5	1	2	0	0	0	0	0	0	0	0
BALASORE	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SAMBALPUR	28.5	+0.8	31.6	03	15.7	+3.5	11.3	29	2.4	3.4	- 0.4	2.4	11	1	+ 0.6	6.0	6.8	+4.2	0	2	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - DECEMBER, 1967 AGRAHAYANA 10 - AUSA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
ORISSA (CONTD.)																													
ANGUL	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
CHANDBALI	28.0	+1.1	30.9	01	17.2	+2.5	13.2	07	0.0	0.0	- 8.4	0.0	..	0	- 0.5	5.7	3.5	-1.8	0	0	0	0	0	1	0	0	0	0
BOLANGIR	29.0	+1.5	32.6	01	15.8	+2.1	7.2	24	2.0	15.4	+ 10.5	8.4	10	2	+ 1.5	4.2	3.1	-0.8	0	3	0	0	0	0	0	0	0	0
PHULBANI	27.2	..	30.0	30	13.4	..	8.7	08	27.6	44.8	..	27.8	25	3	..	3.2	1.5	..	0	4	0	0	0	3	0	0	0	0
CUTTACK	30.3	+1.9	33.6	31	19.4	+3.9	16.0	07	1.1	1.1	- 6.0	1.1	11	0	- 0.4	3.5	2.1	-0.5	0	1	0	0	0	0	0	0	0	0
TITLAGARH	29.5	+1.4	32.1	31	17.3	+4.1	13.8	23	0.0	3.8	+ 3.1	3.8	10	1	+ 0.8	2.2	2.0	+0.2	0	1	0	0	0	0	0	0	0	0
BHUBANESWAR	29.1	+0.9	31.7	30	18.0	+2.2	14.7	07	0.4	0.5	- 2.4	0.4	11	0	- 0.4	9.8	7.5	+1.0	1	1	0	0	0	1	0	0	0	0
PURI	28.4	+1.2	31.8	05	20.3	+2.6	17.8	09	0.0	6.0	- 3.4	6.0	20	1	+ 0.4	15.4	10.6	+0.1	0	1	0	0	0	0	0	0	0	0
GOPALPUR	28.2	+0.7	30.9	05	19.0	+2.4	17.4	03	1.2	6.3	- 7.4	3.4	10	1	+ 0.4	11.7	8.3	-1.5	0	3	0	0	0	0	0	0	0	0
KORAPUT	25.2	+0.7	27.8	05	16.9	+5.6	13.1	16	3.0	43.5	+ 40.7	22.3	15	3	+ 2.7	..	..	..	0	7	0	0	0	0	0	0	0	0
BIHAR PLATEAU																													
DUMKA	27.1	+1.2	29.0	01	13.2	+1.8	10.2	07	0.0	4.0	+ 0.2	4.0	11	1	+ 0.7	4.2	2.5	+0.1	0	1	0	0	0	0	0	0	0	0
DALTONGANJ	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
HAZARIBAGH	23.3	+0.2	26.5	02	10.3	+0.9	5.5	22	2.2	14.0	+ 8.2	13.8	11	1	+ 0.6	8.2	6.1	+0.1	1	1	0	0	0	2	0	0	0	0
DHANBAD	26.1	+0.9	29.0	04	14.1	+1.7	11.2	06	0.2	12.2	+ 7.0	12.0	11	1	+ 0.6	2.1	1.8	-4.3	1	1	0	0	0	0	0	0	0	0
RANCHI	23.3	-0.4	0.0	00	10.3	+0.4	0.0	00	20.0	38.4	+ 31.3	..	..	..	..	4.8	3.0	-0.3	.	..	0	0	0	0	0	0	0	0
RANCHI AERODROME	23.2	0.0	26.0	02	12.6	+2.1	8.9	22	8.7	49.1	+ 45.2	22.9	11	4	+ 3.7	8.4	6.0	-1.4	0	5	0	0	0	2	0	0	0	0
JAMSHEDPUR	28.0	+1.2	30.4	29	12.7	+1.1	9.1	23	0.5	1.7	- 3.3	1.5	25	0	- 0.4	4.2	2.9	+0.1	0	2	0	0	0	8	0	0	0	0
JAMSHEDPUR P.B.U.	27.0	+0.8	29.4	29	15.0	+3.0	11.0	07	0.8	2.2	- 0.9	2.0	25	0	- 0.3	5.1	2.8	-0.4	1	1	0	0	0	0	0	0	0	0
CHAIBASA	27.6	+1.0	30.4	03	14.3	+2.6	10.7	08	0.0	0.5	- 4.1	0.4	19	0	- 0.4	2.3	1.4	-0.2	1	1	0	0	0	0	0	0	0	0
BIHAR PLAINS																													
MOTIHARI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
FORBESGANJ	25.7	-0.9	29.3	04	11.5	+1.2	6.8	20	0.0	0.0	- 1.2	0.0	..	0	- 0.3	5.7	3.1	0.0	0	0	0	0	0	11	0	0	0	0
DARBHANGA	25.5	+0.3	27.6	10	12.3	+1.5	8.4	21	1.2	1.2	- 1.6	1.2	25	0	- 0.3	2.2	1.6	+0.5	0	1	0	0	0	0	0	0	0	0
MUZAFFARPUR	24.4	..	26.8	01	11.8	..	7.1	21	2.0	2.0	- 1.1	2.0	25	0	- 0.3	..	..	..	0	1	0	0	0	0	0	0	0	0
CHAPRA	25.3	..	27.4	02	13.7	..	10.6	20	1.8	3.4	+ 1.4	1.8	25	0	- 0.4	4.0	3.0	..	0	3	0	0	0	2	0	0	0	0
PURNEA	25.5	0.0	27.7	04	11.3	+1.5	6.4	20	0.0	0.0	- 3.1	0.0	..	0	- 0.2	3.2	1.5	-0.7	0	0	0	0	0	0	0	0	0	0
PATNA	25.4	+0.5	28.4	02	13.9	+2.2	10.3	06	0.0	2.8	- 2.5	2.8	24	1	+ 0.6	5.5	4.7	+0.6	0	1	0	0	0	2	0	0	0	0
PATNA AERODROME	25.1	+0.6	29.3	20	11.8	+1.7	7.8	21	0.0	6.6	+ 3.2	6.6	24	1	+ 0.7	7.0	3.7	+1.2	0	1	0	0	0	9	0	0	0	0
ARRAH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BHAGALPUR	25.5	0.0	27.6	04	14.1	+1.3	11.0	22	0.0	1.0	- 0.6	0.7	11	0	- 0.2	6.4	4.8	+0.9	0	2	0	0	0	3	0	0	0	0
SABAUR	25.5	+0.7	28.0	04	10.3	+1.2	6.7	22	0.0	1.6	- 0.4	1.6	11	0	- 0.3	5.8	2.6	-1.1	0	1	0	0	0	1	0	0	0	0
JAMUI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DEHRI	25.2	-0.4	29.2	03	13.2	+1.3	9.8	21	0.0	13.6	+ 9.3	5.0	03	3	+ 2.6	5.2	3.5	+0.2	0	4	0	0	0	0	0	0	0	0
GAYA	25.2	+0.1	28.1	02	12.6	+2.7	8.0	06	0.0	14.0	+ 12.0	4.6	03	3	+ 2.6	6.2	4.3	-0.7	0	4	0	0	1	2	0	0	0	0
UTTAR PRADESH EAST																													
KHERI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BAHRAICH	23.9	-0.4	27.6	02	10.5	+1.1	5.5	19	0.0	8.8	+ 1.4	4.2	02	2	+ 1.3	6.1	4.0	+1.1	0	4	0	0	0	0	0	0	0	0
NAUTANWA	24.3	+0.1	27.2	12	9.7	-0.2	6.4	20	6.4	6.4	+ 3.7	6.4	25	1	+ 0.5	..	..	..	0	1	0	0	0	0	0	0	0	0
HARDOI	22.8	-1.6	27.4	02	11.3	+2.2	7.7	22	0.0	28.8	+ 26.7	12.6	30	4	+ 3.5	4.5	4.0	+0.8	0	4	0	0	0	1	0	0	0	0
GONDA	23.4	-0.9	27.1	02	10.5	+1.7	5.9	20	3.6	27.0	+ 21.0	8.0	27	4	+ 3.4	4.5	3.8	+1.0	0	5	0	0	0	0	0	0	0	0
LUCKNOW	22.0	-2.8	25.1	01	10.5	+1.4	8.5	19	0.8	37.4	+ 31.1	17.4	27	5	+ 4.5	..	..	..	0	6	0	0	3	2	0	0	0	0
LUCKNOW (AMAUSI)	22.9	-1.0	26.2	02	11.0	+3.5	6.1	19	42.1	79.5	+ 76.0	24.0	28	5	+ 4.5	7.6	5.3	+0.8	1	9	0	1	3	7	0	0	1	0
FAIZABAD	23.6	-0.3	27.4	02	11.0	+3.2	6.7	20	2.4	24.0	+ 19.5	8.6	30	4	+ 3.6	..	..	..	0	6	0	0	0	1	0	0	0	0
GORAKHPUR	24.4	+0.1	27.9	02	12.0	+1.2	8.1	20	0.6	4.4	+ 0.1	3.4	30	1	+ 0.6	..	..	..	0	2	0	0	0	0	0	0	0	0
KANPUR	22.6	-1.7	26.7	01	12.1	+3.6	7.5	21	4.8	82.6	+ 75.2	35.5	27	4	+ 3.3	9.6	7.5	+2.3	0	5	0	0	0	0	0	0	0	0
KANPUR (AERODROME)	23.2	..	27.1	01	12.1	..	5.8	19	7.3	76.8	..	24.5	27	5	..	..	..	..	0	6	0	0	4	7	0	0	0	0
SULTANPUR	23.6	-0.4	28.0	01	10.0	+1.0	6.7	20	11.8	42.4	+ 38.0	12.4	27	4	+ 3.8	3.1	2.1	-0.7	0	5	0	0	0	1	0	0	0	0
AZAMGARH	24.1	-1.4	27.9	01	10.9	+1.4	7.1	20	11.4	14.4	+ 10.4	5.4	03	3	+ 2.5	4.3	2.4	..	0	5	0	0	0	0	0	0	0	0
FATEHPUR	22.7	-1.8	28.2	02	12.8	+3.8	8.6	21	..	..	..	..	..	..	..	5.3	3.4	+0.9	.	..	0	0	2	3	0	0	0	0
BALLIA	24.6	-0.2	28.0	03	14.6	+4.5	12.0	20	0.0	1.4	- 1.1	1.4	03	0	- 0.3	3.8	2.6	+0.7	0	1	0	0	0	0	0	0	0	0
BANDA	23.5	-1.7	28.2	01	13.5	+3.9	9.2	22	13.8	72.0	+ 67.3	18.6	28	10	+ 9.5	1.5	0.6	-0.1	0	12	0	1	0	2	0	0	0	0
ALLAHABAD (BAMHRAULI)	23.2	-1.6	28.4	01	12.7	+3.4	8.1	22	20.8	33.3	+ 25.7	20.1	03	3	+ 2.3	4.1	2.6	-1.0	0	6	0	0	2	12	0	0	0	0
VARANASI (BABATPUR)	23.5	-1.2	28.0	01	12.2	+2.7	8.0	22	25.8	36.6	+ 34.2	21.6	04	2	+ 1.7	7.4	6.0	+1.1	0	4	0	0	1	12	0	0	0	0
VARANASI	23.5	-0.9	28.2	02	12.4	+2.7	8.0	21	15.5	31.5	+ 25.7	15.5	04	3	+ 2.5	3.1	2.5	-3.2	0	4	0	0	0	21	0	0	0	0
UTTAR PRADESH WEST																													
MUKHIM	13.9	-0.3	15.8	18	4.7	-0.8	1.3	03	8.6	56.6	+ 4.5	24.0	03	5	+ 2.8	..	..	..	0	5	0	0	0	0	0	0	0	0
TEHRI	20.0	-0.9	23.9	01	6.2	+1.3	3.4	19	1.0	60.0	+ 22.7	24.3	03	4	+ 2.4	1.5	1.1	..	0	7	0	0	0	6	0	0	0	0
DEHRA DUN	20.4	-0.5	22.8	01	7.4	+0.4	4.8	17	7.8	41.9	+ 17.0	20.4	03	5	+ 3.3	0.9	0.9	-1.7	0	6	0	0	1	0	0	0	0	0
MANSIARI	11.2	..	14.6	06	2.0	..	0.1	24	..	41.3	..	21.5	24	4	..	..	..	..	1	8	..	..	..	..	..	.	..	.

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – DECEMBER, 1967 AGRAHAYANA 10 – AUSA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST (CONTD.)																												
ROORKEE	21.1	-0.9	24.2	01	7.8	+1.0	3.6	18	14.8	57.8	+ 41.8	23.4	27	4	+ 2.7	5.1	3.3	+0.2	0	4	0	0	2	0	0	0	0	0
NAJIBABAD	21.5	-1.1	23.9	11	7.8	+0.4	3.2	18	16.3	45.0	+ 32.9	17.7	24	4	+ 3.3	5.6	4.9	+2.4	0	6	0	1	1	6	0	0	0	0
MEERUT	22.0	-1.2	26.0	01	7.6	-0.5	3.5	18	..	86.0	+ 74.6	44.0	24	5	+ 3.8	.	4.9	+1.2	0	5	0	0	0	0	0	0	0	0
BAREILLY	22.4	-1.4	26.5	01	11.1	+1.7	7.1	19	15.0	42.3	+ 33.2	24.0	24	4	+ 3.1	7.2	4.8	+2.1	0	5	0	0	2	2	0	0	0	0
ALIGARH	21.3	-2.4	24.8	01	10.6	+2.3	6.5	18	13.2	38.4	+ 31.8	10.6	03	5	+ 4.3	7.9	3.8	-0.9	0	6	0	0	1	2	0	0	0	0
MAINPURI	23.6	-1.2	27.9	02	10.7	+2.5	6.4	21	28.3	65.2	+ 57.3	19.1	24	4	+ 3.3	..	..	..	0	6	0	0	0	5	0	0	0	0
AGRA	21.7	-2.4	25.0	15	11.1	+2.9	7.5	21	14.5	62.6	+ 56.8	25.9	24	7	+ 6.4	4.3	2.9	0.0	0	8	0	0	0	1	0	0	0	0
AGRA AERODROME	21.9	..	25.1	11	11.1	..	6.7	21	13.3	77.0	..	32.1	24	5	..	..	..	..	0	8	0	0	4	10	0	0	0	0
ORAI	22.7	-2.1	27.4	02	13.1	+4.2	9.0	22	10.0	85.2	+ 78.6	22.0	03	5	+ 4.5	..	..	..	0	5	0	0	0	0	0	0	0	0
JHANSI	21.7	-3.8	27.0	02	12.1	+2.8	7.0	24	19.6	80.3	+ 73.4	18.5	30	6	+ 5.2	3.0	3.3	0.0	0	9	0	0	0	0	0	0	0	0
HARYANA (INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	21.4	-1.1	24.4	01	8.6	+1.2	4.7	20	33.4	62.4	+ 44.0	28.2	24	4	+ 2.6	..	..	..	0	5	0	0	0	0	0	0	0	0
AMBALA	20.7	-2.5	24.4	01	9.0	+1.9	4.9	17	34.1	57.0	+ 40.2	31.8	24	5	+ 3.6	8.8	6.1	+1.2	1	6	0	0	0	0	0	0	0	0
AMBALA AERODROME	21.0	..	25.0	01	6.9	..	1.8	18	36.6	61.2	..	35.0	24	4	..	..	..	..	0	7	0	0	3	4	0	0	0	0
KARNAL	20.4	-2.4	23.8	01	9.1	+0.7	6.3	17	25.2	66.7	+ 57.9	30.3	03	3	+ 2.4	5.7	5.0	..	0	4	0	0	0	0	0	0	0	0
HISSAR	20.8	-3.3	24.9	01	8.6	+2.6	4.1	17	14.8	58.6	+ 51.5	18.6	03	4	+ 3.2	6.6	6.1	+1.2	0	6	0	0	4	4	0	0	0	0
NEW DELHI/SAFDARJUNG	20.9	-2.5	24.8	01	9.9	+1.9	6.9	19	33.1	69.5	+ 60.9	34.7	24	2	+ 1.2	10.3	6.9	-0.7	0	6	0	0	2	11	0	0	0	0
PALAM AERODROME	20.5	..	24.1	01	9.1	..	4.2	19	37.1	73.1	..	33.7	03	4	..	..	..	..	1	5	0	0	5	8	0	0	0	0
PUNJAB																												
PATHANKOT	19.4	-1.7	24.0	01	6.9	0.0	3.4	27	89.2	189.9	+163.2	67.7	27	6	+ 4.2	..	..	..	0	7	0	0	5	0	0	0	0	0
AMRITSAR	19.4	-2.0	23.7	01	7.7	+2.7	4.4	17	13.9	96.9	+ 82.9	43.8	27	4	+ 2.6	..	..	..	0	6	0	0	4	0	0	0	0	0
ADAMPUR AERODROME	20.2	..	23.6	01	7.0	..	2.8	19	52.8	98.0	..	34.3	24	6	..	..	..	..	0	7	0	1	4	17	0	0	0	0
LUDHIANA	20.8	-2.1	24.6	01	8.7	+2.5	4.8	17	36.6	70.5	+ 53.0	29.4	24	4	+ 2.4	5.2	3.7	+1.8	0	7	0	0	6	0	0	0	0	0
FEROZEPUR	19.2	-2.7	23.4	01	6.9	+0.7	3.0	18	35.4	93.8	+ 79.3	37.0	03	5	+ 4.2	2.5	1.9	+0.6	0	6	0	0	0	0	0	0	0	0
HALWARA AERODROME	20.3	..	24.0	01	6.5	..	1.2	08	28.2	45.9	..	22.1	24	4	..	..	..	..	0	5	0	0	4	10	0	0	0	0
PATIALA	20.6	-2.5	24.5	01	8.4	+1.1	4.2	18	36.3	105.3	+ 92.4	36.4	27	6	+ 4.8	9.3	6.9	+0.7	0	7	0	0	4	0	0	0	0	0
BHATINDA	20.5	-1.9	24.4	02	6.4	+1.5	2.2	09	28.3	45.7	+ 37.1	13.1	11	5	+ 4.0	3.5	2.8	-0.7	0	5	0	0	3	0	0	0	0	0
HIMACHAL PRADESH																												
MANDI	18.3	-1.8	22.3	17	5.8	+2.1	2.5	19	15.9	48.0	+ 14.9	17.2	27	5	+ 2.3	..	..	..	1	6	0	0	0	0	0	0	0	0
BILASPUR	18.0	-3.1	23.0	01	..	..	..	..	39.0	69.0	+ 36.1	28.0	24	5	+ 2.3	3.5	2.9	+0.2	0	5	0	0	2	23	0	0	0	0
JAMMU AND KASHMIR																												
MISGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GILGIT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SKARDU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DRAS	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SONAMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
LEH	2.3	+0.7	5.9	12	-12.9	-4.0	-19.1	29	..	..	..	..	..	..	..	4.1	4.1	+0.3	.	..	3	0	0	0	0	0	0	0
SRINAGAR	6.3	-2.5	13.3	01	0.1	-1.7	- 2.5	30	37.6	159.0	+121.7	91.7	27	8	+ 4.7	4.1	3.4	0.0	0	9	5	0	0	0	0	0	0	0
SRINAGAR AERODROME	5.0	..	11.0	01	- 0.5	..	- 4.4	30	50.7	190.4	..	111.4	26	5	..	..	..	..	0	6	5	0	0	3	0	0	0	0
GULMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
QAZIGUND	5.0	..	12.1	01	- 1.0	..	- 3.9	30	..	..	..	..	..	..	..	0.9	0.5	..	.	..	0	0	0	0	0	0	0	0
BANIHAL	4.7	..	16.8	22	0.5	..	- 5.8	29	205.5	483.0	..	175.0	27	10	..	..	..	..	1	12	0	0	1	0	0	0	0	0
JAMMU	20.9	-0.2	25.1	02	9.4	+0.1	8.0	04	..	215.4	+182.4	113.8	27	4	+ 1.6	2.8	3.9	..	0	8	0	0	0	0	0	0	0	0
JAMMU AERODROME	19.6	..	24.1	02	9.4	..	6.5	19	42.3	196.0	..	86.8	27	5	..	..	..	..	0	7	0	1	4	0	0	0	0	0
GULMARG (RESEARCH INSTITUTE)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
RAJASTHAN, WEST																												
GANGANAGAR	20.7	-2.6	25.2	01	6.8	+1.3	0.0	00	25.0	46.4	+ 34.8	12.6	27	5	+ 1.7	3.3	2.2	-1.2	0	6	0	0	4	3	0	0	0	0
ANUPGARH	22.1	..	27.9	05	8.6	..	3.4	08	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MAHAJAN	21.2	..	27.8	22	9.3	..	3.2	06	21.0	49.0	..	28.0	10	2	..	7.6	5.7	..	0	2	0	0	0	3	0	0	0	0
CHURU	21.5	-2.3	27.7	22	8.5	+2.6	3.7	19	6.8	39.2	+ 34.2	19.0	23	2	+ 1.3	6.6	5.4	+1.4	0	4	0	0	4	7	0	0	0	0
BIKANER	21.5	-3.2	28.0	23	9.3	+3.7	4.9	30	16.6	42.4	+ 38.1	28.6	11	3	+ 2.6	7.6	6.2	+2.5	0	8	0	0	4	4	0	0	0	0
NAGAUR	23.0	-0.8	26.7	01	10.7	+2.5	4.4	30	15.0	25.0	+ 15.4	10.0	11	3	+ 2.5	8.5	7.5	+2.6	0	4	0	0	0	1	0	0	0	0
PHALODI	21.6	-3.1	27.0	01	8.7	+0.7	5.0	31	6.5	10.9	+ 8.9	6.5	02	2	+ 1.9	13.0	9.4	+1.1	0	2	0	0	0	0	0	0	0	0
JAISALMER	22.4	-3.6	27.6	20	7.7	-1.2	0.0	00	0.0	27.3	+ 25.5	11.9	12	2	+ 1.7	11.4	10.6	+4.1	0	4	0	0	0	0	0	0	0	0
JODHPUR	25.7	-1.0	29.6	11	13.1	+2.4	9.2	30	4.1	4.1	+ 2.1	1.8	17	0	- 0.3	..	..	..	0	4	0	0	1	1	0	0	0	0
BARMER	..	..	..	..	..	..	..	..	1.1	4.9	+ 2.9	3.8	26	1	+ 0.8	6.4	6.1	-0.3	0	2	0	0	0	0	0	0	0	0
ERINPURA (JAWAI DAM)	26.5	-0.9	30.6	11	12.9	+2.0	6.8	28	2.5	6.9	+ 5.7	3.5	02	4	+ 3.7	5.0	3.4	0.0	0	4	0	0	0	1	0	0	0	0
RAJASTHAN, EAST																												
PILANI	21.8	-1.9	26.2	21	6.1	+0.5	2.0	17	16.8	85.2	+ 81.2	28.4	03	5	+ 4.3	7.4	6.8	+0.2	0	7	0	0	0	7	0	0	0	0
SIKAR	22.2	-2.6	27.8	23	9.9	+3.2	6.2	05	16.9	98.1	+ 94.0	48.2	23	6	+ 5.7	6.2	4.2	-0.7	0	7	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - DECEMBER, 1967 AGRAHAYANA 10 - AUSA 10, 1889 SAKA

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
RAJASTHAN, EAST (CONTD.)																												
ALWAR	20.5	-3.3	24.0	01	10.3	+2.2	5.2	20	28.4	79.5	+ 75.8	18.2	23	7	+ 6.7	3.6	1.7	..	0	8	0	0	4	1	0	0	0	0
JAIPUR (SANGANER)	22.7	-1.7	25.6	23	13.0	+3.9	7.4	20	11.8	36.0	+ 28.4	12.0	02	5	+ 4.3	..	..	..	0	10	0	0	5	2	0	0	0	0
DHOLPUR	22.6	-1.8	28.4	01	10.1	+2.3	5.7	20	16.4	67.0	+ 64.5	23.2	24	4	+ 3.5	6.7	3.8	+0.7	0	5	0	0	4	0	0	0	0	0
AJMER	22.8	-1.6	26.8	01	11.8	+4.1	8.7	19	34.8	55.6	+ 50.3	20.0	23	6	+ 5.6	7.1	5.1	+2.6	0	6	0	1	4	3	0	0	0	0
TONK	23.5	+0.2	27.2	23	13.4	+5.5	5.0	25	12.0	72.8	+ 66.9	22.2	03	6	+ 5.4	8.4	7.6	+3.4	0	6	0	0	1	0	0	0	0	0
BHILWARA	23.6	..	27.3	01	12.7	..	10.0	24	17.6	44.4	..	21.0	02	3	..	7.6	6.9	..	0	4	0	1	3	8	0	0	0	0
KOTA	24.4	-2.3	30.0	01	14.3	+3.0	11.4	26	5.0	7.8	+ 2.5	2.6	30	1	+ 0.5	5.6	4.1	+2.4	0	6	0	0	1	0	0	0	0	0
KOTA AERODROME	24.1	..	28.8	01	14.3	..	11.2	25	2.4	10.8	..	7.4	30	1	..	6.5	7.2	..	1	3	0	0	4	5	0	0	0	0
CHAMBAL (RAWAT BHATTA DAM)	25.1	-1.5	30.5	01	14.6	+7.8	11.9	24	6.0	16.5	+ 16.0	10.5	17	2	+ 1.7	8.3	5.5	+2.4	0	3	0	0	2	4	0	0	0	0
UDAIPUR	24.7	-1.6	29.1	01	12.3	+4.0	7.2	28	4.1	9.3	+ 6.0	5.3	17	2	+ 1.6	0.7	1.8	+0.3	0	2	0	0	1	1	0	0	0	0
JHALAWAR	25.0	-1.5	29.6	01	14.0	+4.4	10.9	20	12.4	32.2	+ 24.6	9.8	17	5	+ 4.4	6.2	4.7	+2.1	0	6	0	0	1	5	0	0	0	0
BANSWARA	27.6	..	31.6	10	16.8	..	13.5	28	90.6	91.6	..	49.0	16	4	..	7.8	6.6	..	0	4	0	0	0	0	0	0	0	0
MADHYA PRADESH, WEST																												
GWALIOR	22.7	-2.1	26.8	23	11.4	+4.2	6.6	21	42.8	66.5	+ 60.1	27.7	30	5	+ 4.3	6.9	4.4	+1.5	1	8	0	0	8	6	0	0	0	0
SHEOPUR	24.7	-1.4	28.5	02	13.0	+4.7	8.3	20	22.6	48.2	+ 44.8	16.0	02	5	+ 4.5	7.9	6.7	+2.7	0	5	0	2	2	1	0	0	0	0
SHIVPURI	22.7	..	27.0	23	10.3	..	4.7	20	15.8	40.1	..	10.9	24	3	..	7.2	5.5	..	0	11	0	0	0	6	0	0	0	0
NOWGONG	23.5	-1.8	28.1	02	12.8	+5.3	7.1	21	14.7	100.7	+ 93.8	25.2	28	9	+ 8.4	2.4	1.7	-0.4	1	11	0	0	5	4	0	0	0	0
GUNA	25.3	-0.7	30.5	02	13.5	+5.6	8.3	20	43.2	72.6	+ 60.1	16.6	03	7	+ 5.9	9.6	7.9	+4.6	0	11	0	0	2	1	0	0	0	0
NIMACH	24.9	-1.3	28.4	03	14.0	+3.9	10.0	24	0.6	30.0	+ 27.7	18.4	17	3	+ 2.8	8.7	6.7	+1.5	0	3	0	1	1	2	0	0	0	0
RAJGARH	25.9	-1.4	30.6	06	14.6	+5.3	10.4	24	31.8	81.6	+ 78.0	33.2	11	4	+ 3.4	7.9	6.7	+2.4	3	4	0	0	0	3	0	0	0	0
SAGAR	24.5	-0.9	29.5	02	13.8	+0.9	11.8	05	47.6	119.0	+110.4	29.8	10	9	+ 8.3	9.4	8.7	+2.2	1	11	0	1	2	0	0	0	0	0
RATLAM	26.3	-1.9	31.0	06	14.1	+1.8	10.7	24	20.0	49.2	+ 48.7	20.4	16	4	+ 3.9	10.2	8.8	+2.7	1	5	0	0	1	0	0	0	0	0
BHOPAL (BAIRAGARH)	25.3	-0.8	30.8	01	14.9	+4.3	11.3	24	62.5	134.5	+128.2	66.3	11	4	+ 3.4	9.3	7.8	+3.4	2	10	0	0	3	4	0	0	0	0
UJJAIN	23.1	..	29.6	01	13.9	..	9.7	24	45.4	68.9	..	35.3	11	3	..	9.3	6.7	..	0	4	0	0	0	2	0	0	0	0
NARSINGHPUR	25.8	..	31.0	03	13.7	..	9.6	22	65.0	130.4	..	62.0	11	8	..	4.0	3.1	..	0	8	0	0	1	7	0	0	0	0
HOSHANGABAD	26.9	-0.2	32.0	03	16.7	+4.4	13.0	25	32.6	81.3	+ 70.6	25.2	11	8	+ 7.2	5.9	5.5	+2.0	0	8	0	0	0	1	0	0	0	0
INDORE	25.7	-1.0	30.5	02	14.4	+4.5	10.1	25	48.5	108.5	+101.9	40.6	11	6	+ 5.4	10.8	8.0	+0.9	0	7	0	0	2	3	0	0	0	0
RAJPUR (JHABUA)	27.6	-1.2	32.8	06	16.0	+3.9	12.4	24	13.2	30.0	+ 29.2	14.6	16	2	+ 1.6	8.5	5.7	+2.6	0	3	0	0	0	0	0	0	0	0
CHHINDWARA	24.5	-1.8	28.7	05	14.0	+4.2	10.7	20	72.6	130.6	+126.8	27.6	11	7	+ 6.5	..	..	..	0	10	0	1	1	27	0	0	0	0
SEONI	25.0	-1.1	29.0	05	14.7	+3.8	11.7	22	36.4	114.2	+103.8	35.2	11	9	+ 8.2	7.4	4.7	+0.6	0	12	0	0	1	1	0	0	0	0
BETUL	26.1	-0.9	30.7	01	13.9	+3.6	10.5	20	101.0	157.0	+152.6	56.6	14	6	+ 5.5	7.0	4.8	+0.9	0	10	0	0	3	0	0	0	0	0
KHANDWA	28.7	-0.9	32.9	03	15.5	+4.3	12.0	10	34.4	66.6	+ 59.2	21.2	14	6	+ 5.4	6.9	5.3	+1.0	0	8	0	0	1	5	0	0	0	0
MADHYA PRADESH, EAST																												
SATNA	23.6	-2.2	28.7	01	13.5	+5.1	8.9	22	18.6	77.9	+ 68.8	38.0	03	5	+ 4.1	6.0	3.8	+0.9	1	7	0	0	3	2	0	0	0	0
REWA	23.6	..	28.3	01	12.1	..	7.4	22	13.6	44.9	..	23.4	03	4	..	3.9	2.4	..	0	5	0	0	0	0	0	0	0	0
SIDHI	24.6	-0.7	28.3	01	13.2	+5.6	7.2	22	10.0	25.0	+ 19.9	11.0	11	4	+ 3.7	2.8	2.0	-0.5	0	4	0	0	0	0	0	0	0	0
UMARIA	24.2	-1.4	29.5	01	13.7	+5.7	9.6	22	46.7	89.8	+ 80.9	46.0	11	4	+ 3.3	4.8	3.2	+0.7	0	8	0	0	2	13	0	0	0	0
JABALPUR	25.5	-1.4	31.1	01	15.2	+6.2	12.0	22	66.1	124.6	+116.2	64.9	11	7	+ 6.3	4.2	2.7	0.0	0	9	0	0	4	10	0	0	0	0
AMBIKAPUR	24.5	+0.3	28.5	02	12.4	+4.4	8.6	22	11.7	42.8	+ 40.5	31.0	11	3	+ 2.8	6.9	5.0	-0.4	2	3	0	0	1	3	0	0	0	0
JASHPURNAGAR	23.6	..	26.2	29	11.9	..	7.5	22	4.6	58.0	..	29.8	11	5	..	4.8	2.6	..	0	6	0	0	0	1	0	0	0	0
PENDRA	23.8	-0.4	27.4	01	14.4	+4.3	11.8	22	55.9	107.6	+101.3	81.2	11	4	+ 3.5	6.4	4.1	0.0	3	8	0	0	4	4	0	0	0	0
MANDLA	25.9	-0.7	29.8	06	13.4	+5.6	10.0	10	66.2	147.6	+141.7	72.8	11	10	+ 9.5	3.5	2.1	+0.8	0	11	0	0	0	15	0	0	0	0
CHAMPA	26.8	-1.0	30.1	04	16.5	+2.8	13.8	22	18.0	78.8	+ 74.7	45.4	11	5	+ 4.6	3.3	3.2	-0.4	0	8	0	0	0	0	0	0	0	0
RAIGARH	28.3	-0.1	31.5	01	17.2	+3.8	13.7	22	17.8	65.5	+ 64.2	27.3	11	3	+ 2.7	4.7	3.9	+0.7	0	3	0	0	1	0	0	0	0	0
RAIPUR	26.9	-0.4	30.6	05	16.7	+3.5	13.5	25	5.9	23.0	+ 18.9	10.5	11	3	+ 2.7	5.5	4.0	-0.4	0	8	0	0	0	2	0	0	0	0
KANKER	26.7	-0.4	30.2	03	16.3	+5.1	13.0	25	3.8	30.6	+ 28.3	13.8	12	3	+ 2.7	3.1	2.8	+0.5	1	4	0	0	0	2	0	0	0	0
JAGDALPUR	27.9	+0.5	30.7	01	15.8	+4.5	12.5	07	20.6	122.4	+118.6	83.4	13	6	+ 5.6	..	..	..	1	8	0	0	3	6	0	0	1	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DEESA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
RADHANPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
IDAR	27.9	-1.0	31.5	01	17.8	+1.8	12.7	24	17.6	34.4	+ 34.0	22.6	16	2	+ 2.0	8.7	7.5	+0.9	0	2	0	0	1	0	0	0	0	0
AHMADABAD	29.1	-0.5	32.6	01	16.3	+3.7	12.4	30	3.6	13.9	+ 13.1	13.3	16	1	+ 0.9	9.5	5.9	+3.3	0	1	0	0	1	0	0	0	1	0
DOHAD	27.1	-2.0	32.2	04	15.5	+2.8	12.5	25	15.2	43.4	+ 42.1	24.8	16	2	+ 1.8	9.4	7.8	+1.0	0	5	0	0	2	2	0	0	0	0
VALLABH VIDYANAGAR	29.4	..	32.9	02	16.1	..	12.0	30	0.0	28.5	..	24.0	16	2	..	7.0	5.7	..	0	2	0	0	1	9	0	0	0	0
BARODA AERODROME	29.7	-1.3	33.6	10	16.7	+3.2	12.2	07	5.7	26.1	+ 26.1	11.4	16	3	+ 3.0	7.2	4.8	-1.3	0	3	0	0	1	1	0	0	0	0
BARODA	30.7	-0.3	34.8	07	17.6	+6.2	13.8	30	7.6	36.2	+ 36.1	15.0	15	3	+ 2.9	4.2	3.2	+0.3	0	3	0	0	2	1	0	0	0	0
BROACH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7.1	5.6	+0.6	.	..	..	..	..	..	..	.	..	.
SURAT	31.2	-1.6	35.4	10	17.4	+1.4	14.1	31	3.8	37.4	+ 35.1	32.8	16	2	+ 1.9	8.1	6.8	+0.8	0	3	0	0	0	0	0	0	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																												
NALIYA	25.9	-2.5	30.3	01	11.3	+1.2	5.8	08	7.4	19.2	+ 15.1	13.6	16	2	+ 1.8	16.5	12.4	+2.8	0	2	0	0	2	1	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – DECEMBER, 1967 AGRAHAYANA 10 – AUSA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena – No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
SURASHTRA AND KUTCH (INCLUDING DIU) (CONTD.)																												
BHUJ (RUDRAMATA)	25.9	-2.1	29.6	01	13.3	+2.1	9.2	08	10.4	24.5	+ 23.0	18.9	16	2	+ 1.9	14.2	10.0	+4.1	0	2	0	0	0	0	0	0	0	0
KANDLA AERODROME	27.2	..	31.7	01	14.5	..	10.5	30	10.0	16.8	..	12.8	16	1	..	19.1	17.1	..	0	3	0	0	1	0	0	0	0	0
NEW KANDLA	26.4	-0.2	30.1	14	16.0	+0.2	12.3	31	9.0	17.2	+ 17.2	16.0	16	1	+ 1.0	12.6	12.3	-0.5	0	2	0	0	1	0	0	0	0	0
MANDVI	26.6	-0.3	30.5	10	14.4	-1.2	10.9	31	11.1	20.1	+ 17.2	20.1	16	1	+ 0.9	13.6	14.0	-0.3	0	1	0	0	0	0	0	0	0	0
SURENDRANAGAR	28.7	-1.2	32.9	01	16.4	+2.2	11.6	31	4.4	29.6	+ 29.4	15.6	16	3	+ 3.0	9.4	8.3	+0.7	0	3	0	0	3	0	0	0	0	0
OKHA	25.3	..	27.5	01	19.5	..	16.4	30	15.3	27.8	..	24.2	16	1	..	18.1	21.5	..	0	4	0	0	2	0	0	0	0	0
JAMNAGAR AERODROME	26.7	-1.1	30.3	01	15.0	+2.9	8.4	18	3.0	12.0	+ 10.5	12.0	16	1	+ 0.9	..	..	..	0	1	0	0	2	2	0	0	0	0
DWARKA	26.1	-1.4	30.3	15	17.8	+0.8	13.6	30	24.0	39.0	+ 37.2	35.0	16	1	+ 0.8	16.9	14.3	+2.0	0	3	0	0	1	0	0	0	0	0
RAJKOT	28.1	-1.5	32.3	10	14.2	+1.9	9.4	07	10.2	25.2	+ 25.2	13.2	16	2	+ 2.0	17.4	13.9	+2.6	0	3	0	0	2	6	0	1	0	0
BHAVNAGAR AERODROME	28.4	-0.2	31.1	10	16.6	+2.4	13.2	31	9.1	12.3	+ 11.9	9.1	03	2	+ 1.9	16.7	14.1	+7.1	0	2	0	0	0	0	0	0	0	0
PORBANDER AERODROME	28.6	-1.8	33.5	10	16.8	0.0	10.9	07	12.2	13.5	+ 12.7	13.3	16	1	+ 0.9	13.6	10.3	..	0	1	0	0	1	0	0	0	0	0
KESHOD	29.5	-1.6	33.5	11	14.8	+0.9	9.3	07	36.6	37.7	+ 37.7	25.8	16	2	+ 2.0	15.4	13.1	+0.2	0	3	0	0	2	0	0	0	0	0
MAHUVA	30.3	..	34.0	06	16.5	..	12.6	07	2.0	9.8	+ 7.0	7.8	16	1	+ 0.8	2.0	1.1	..	0	2	0	0	0	0	0	0	0	0
VERAVAL	29.2	-1.2	33.2	10	16.7	+0.9	12.1	30	0.8	3.8	+ 2.3	3.8	16	1	+ 0.9	17.2	14.7	+3.6	0	1	0	0	1	0	0	0	0	0
DIU	28.1	..	30.8	07	18.7	..	16.5	15	0.0	8.5	..	8.5	16	1	..	14.0	10.5	..	1	1	0	0	0	0	0	0	0	0
KONKAN (INCLUDING GOA)																												
DAHANU	..	..	..	..	20.5	+2.6	18.0	04	10.5	29.7	+ 29.7	..	..	..	..	15.1	9.7	-1.0	.	..	0	0	0	0	0	0	0	0
BOMBAY (SANTACRUZ)	30.8	-1.3	34.2	05	20.2	+2.5	17.4	08	16.3	55.7	+ 54.9	31.4	12	3	+ 2.9	10.0	6.5	-1.1	0	4	0	0	1	0	0	0	0	0
BOMBAY	29.6	-1.3	33.3	10	22.0	+1.2	20.1	25	19.3	28.0	+ 25.7	19.7	16	2	+ 1.7	9.0	7.4	-1.1	0	4	0	0	2	0	0	0	1	0
ALIBAG	29.7	0.0	33.5	10	20.8	+2.1	18.1	25	..	16.3	+ 13.2	16.3	16	1	+ 0.7	.	7.6	+1.6	0	1	0	0	0	0	0	0	0	0
BHIRA	33.4	..	36.2	05	17.5	..	14.2	02	1.5	14.5	..	7.8	16	2	..	3.3	2.0	..	0	3	0	0	0	0	0	0	0	0
HARNAI	29.1	-0.4	32.5	10	23.6	+0.4	21.2	25	1.6	35.2	+ 33.9	33.8	15	1	+ 0.9	14.7	12.5	+1.2	0	2	0	0	1	0	0	0	0	0
RATNAGIRI	31.4	-0.6	33.4	09	21.9	+1.9	18.9	02	0.0	7.0	+ 2.7	7.0	16	1	+ 0.7	7.8	4.6	..	0	1	0	0	0	0	0	0	0	0
DEVGARH	31.5	+0.2	35.2	07	21.9	+0.4	19.7	02	0.0	1.2	- 3.1	1.2	11	0	- 0.4	14.7	12.1	+0.8	0	1	0	0	2	0	0	0	0	0
VENGURLA	32.4	-0.3	34.7	06	20.8	+2.1	17.9	02	0.0	8.0	+ 7.7	4.8	15	2	+ 1.9	9.0	5.5	..	0	2	0	0	3	0	0	0	0	0
PANJIM	32.5	..	34.3	06	22.1	..	19.8	02	0.0	0.0	..	0.0	..	0	..	12.9	10.7	..	0	0	0	0	1	0	0	0	0	0
MORMUGAO	30.9	+0.4	33.0	10	23.3	+1.8	21.4	24	0.0	3.5	- 0.6	2.9	11	1	+ 0.7	11.7	10.6	+0.9	0	2	0	0	0	0	0	0	0	0
DABOLIM (NAVAL AIR STN.)	31.7	..	33.8	05	22.6	..	20.4	02	0.1	0.1	..	0.1	12	0	..	..	..	..	1	0	0	0	1	0	0	0	0	0
MADHYA MAHARASHTRA																												
NANDURBAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JALGAON	29.4	-0.9	33.9	03	16.4	+4.4	11.6	24	63.0	92.6	+ 87.0	50.2	16	4	+ 3.5	10.7	9.0	+2.2	0	6	0	0	0	3	0	0	0	0
MALEGAON	28.5	-1.4	33.6	04	14.5	+2.8	10.6	25	12.2	40.8	+ 36.2	28.3	16	3	+ 2.6	6.5	4.9	+0.4	0	3	0	0	0	0	0	0	0	0
DZAR	27.4	..	31.6	06	13.8	..	9.4	24	47.3	95.0	..	35.0	16	6	..	11.0	7.5	..	0	7	0	0	3	3	0	0	0	0
AHMADNAGAR	28.9	0.0	32.5	06	15.7	+3.4	11.3	08	55.1	114.9	+106.0	36.2	14	6	+ 5.5	8.1	4.3	-0.7	0	8	0	0	0	0	0	0	0	0
KHANDALA	..	..	..	..	..	..	..	..	..	51.0	+ 44.2	36.0	15	2	+ 1.8	..	..	..	0	2	..	..	..	..	..	.	..	.
POONA AERODROME	28.6	..	31.1	06	16.6	..	12.5	25	7.4	120.3	..	42.1	18	7	..	..	..	..	0	7	0	0	5	3	0	0	0	0
POONA	28.6	-0.6	31.2	02	15.5	+5.1	10.8	25	11.0	71.9	+ 67.6	27.0	18	6	+ 5.6	4.9	2.4	..	0	7	0	0	5	6	0	0	0	0
JEUR	28.2	-1.9	31.7	01	16.8	+3.9	12.6	25	5.0	23.2	+ 18.2	7.8	11	3	+ 2.8	10.4	6.1	+1.2	0	7	0	0	0	0	0	0	0	0
BARAMATI	27.8	-1.8	31.0	06	16.9	+3.3	13.2	08	23.2	68.6	+ 64.3	31.4	13	6	+ 5.6	8.3	6.2	-0.1	0	6	0	0	1	0	0	0	0	0
SHOLAPUR	30.0	0.0	32.0	02	18.6	+3.6	16.1	05	12.7	25.1	+ 16.0	13.3	12	2	+ 1.3	10.6	8.5	+0.2	0	5	0	0	2	0	0	0	0	0
MIRAJ	29.6	-0.1	31.8	31	16.9	+2.3	11.3	25	0.2	12.8	+ 7.7	7.0	14	2	+ 1.5	..	..	..	1	3	0	0	2	1	0	0	0	0
KOLHAPUR	29.7	-0.3	32.0	03	17.0	+2.1	13.4	24	0.8	13.9	+ 11.1	7.0	16	2	+ 1.8	9.9	6.7	-2.0	1	3	0	0	3	0	0	0	0	0
MARATHWADA																												
AURANGABAD	27.6	-1.3	31.4	06	16.9	+3.1	13.2	25	39.0	98.8	+ 89.9	41.4	16	7	+ 6.5	7.5	6.0	-0.7	0	9	0	0	0	0	0	0	0	0
AURANGABAD (CHIKALTHAN)	27.3	-1.4	30.7	05	13.9	+3.5	8.2	08	36.7	84.8	+ 76.2	25.3	16	8	+ 7.5	8.5	5.0	-0.2	0	8	0	0	4	0	0	0	0	0
PARBHANI	28.2	-1.3	32.4	02	17.1	+4.4	13.2	08	6.2	165.2	+155.8	61.0	16	7	+ 6.5	6.9	4.9	+0.2	0	8	0	0	4	1	0	0	0	0
NANDER	29.4	..	32.2	06	15.7	..	11.8	04	..	..	..	..	..	..	..	6.9	5.6	..	.	..	0	0	0	0	0	0	0	0
BIR	28.5	..	32.2	05	16.3	..	10.0	08	39.4	127.2	..	39.8	12	8	..	4.3	2.3	..	0	9	0	0	0	2	0	0	0	0
VIDARBHA																												
GONDIA	26.5	-1.4	30.8	05	17.1	+4.2	14.4	25	37.0	224.6	+222.4	65.6	11	7	+ 6.7	2.7	1.8	-0.2	0	9	0	0	3	0	0	0	0	0
NAGPUR (SONEGAON)	27.2	-1.5	31.7	06	16.0	+3.9	13.5	08	75.3	165.7	+155.8	60.1	11	8	+ 7.3	7.0	6.7	0.0	0	8	0	1	3	5	0	0	0	0
AMRAOTI	27.5	-1.1	32.8	01	17.4	+2.3	15.6	22	44.0	131.2	+122.1	58.0	11	6	+ 5.2	10.4	10.4	+2.9	0	7	0	0	0	1	0	0	0	0
AKOLA AERODROME	28.0	..	33.6	02	16.4	..	13.0	08	57.6	127.1	..	50.1	16	7	..	11.3	10.1	..	1	9	0	0	2	6	0	0	0	0
AKOLA	28.0	-1.6	33.4	31	17.2	+4.6	15.1	08	71.2	123.2	+112.0	58.1	16	4	+ 3.1	5.5	4.8	+0.4	0	7	0	0	0	0	0	0	0	0
BRAHMAPURI	27.6	-0.7	31.2	05	16.4	+2.9	14.4	08	11.7	117.1	+110.9	36.4	24	7	+ 6.6	6.6	3.7	+0.8	0	7	0	0	0	0	0	0	0	0
BULDANA	26.0	-1.6	30.5	04	17.0	+1.9	14.5	25	25.6	77.3	+ 71.4	34.0	11	7	+ 6.5	11.6	8.7	+2.3	0	9	0	0	1	4	0	0	0	0
YEOTMAL	26.7	-1.7	32.5	01	17.5	+2.4	15.7	11	32.2	109.9	+106.6	43.5	11	7	+ 6.7	8.6	7.8	+0.5	0	7	0	0	0	9	0	0	0	0
CHANDRAPUR	28.7	+0.3	32.4	04	18.1	+5.9	14.1	08	10.8	59.3	+ 55.5	13.4	11	6	+ 5.5	5.4	3.6	+1.0	0	6	0	0	2	1	0	0	0	0
PUSAD	28.2	..	32.6	01	16.4	..	12.0	08	44.4	182.2	..	59.8	11	6	..	6.2	3.8	..	0	8	0	0	3	0	0	0	0	0
SIRONCHA	29.9	+0.1	32.2	01	18.9	+4.3	15.3	07	1.7	178.7	+170.4	101.8	14	4	+ 3.9	4.5	2.7	+0.1	1	5	0	0	0	1	0	0	0	0

TABLE H - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - DECEMBER, 1967 AGRAHAYANA 10 - AUSA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
VIDARBHA (CONTD.)																												
WARDHA	27.5	..	33.0	01	16.2	..	14.1	08	26.7	109.9	..	66.8	11	5	..	5.8	4.8	..	0	8	0	0	0	0	0	0	0	0
BHANDARA	27.3	..	31.2	02	..	..	..	..	18.2	188.7	..	38.5	11	5	..	1.7	1.5	..	0	6	..	..	..	..	..	.	..	.
COASTAL ANDHRA PRADESH																												
KALINGAPATAM	27.9	+1.1	29.7	01	19.4	+1.8	17.8	10	2.6	28.6	+ 6.1	..	..	..	..	11.9	7.8	-3.5	.	..	0	0	0	0	0	0	0	0
VISHAKHAPATNAM	29.2	+1.5	32.5	05	21.0	+2.7	17.4	31	11.6	76.5	+ 59.2	60.1	10	3	+ 2.1	11.4	6.0	-1.5	1	4	0	0	0	0	0	0	0	0
KAKINADA	28.7	+1.6	33.1	01	21.4	+2.2	18.7	31	36.2	74.2	+ 58.7	33.6	11	4	+ 3.2	19.0	14.9	+3.6	0	6	0	0	0	0	0	0	0	0
NIDADAVOLE	29.3	-0.2	31.5	01	20.1	+1.9	15.0	31	16.6	41.2	+ 37.5	12.6	10	3	+ 2.6	12.4	9.1	+2.3	0	5	0	0	0	0	0	0	0	0
RENTACHINTALA	30.3	+0.4	33.0	01	19.6	+2.8	16.1	31	54.0	152.4	+145.8	120.0	12	3	+ 2.5	4.0	3.7	-0.1	0	3	0	0	0	0	0	0	0	0
GANNAVARAM	29.8	+0.1	32.2	05	20.6	+1.5	18.3	31	2.8	12.5	+ 7.4	8.7	10	1	+ 0.2	17.4	12.2	+2.8	1	4	0	0	0	0	0	0	0	0
MASULIPATAM	28.1	+0.3	30.8	05	20.0	+0.2	18.2	31	13.8	48.8	+ 30.5	45.0	10	2	+ 1.2	7.4	5.5	-3.6	0	3	0	0	0	0	0	0	0	0
ONGOLE	30.4	+1.8	31.7	05	..	..	..	..	153.4	269.6	+235.1	98.0	09	4	+ 2.3	6.8	4.6	-0.1	0	4	0	0	1	0	0	0	0	0
NELLORE	29.2	+0.5	31.3	02	21.8	+1.4	20.2	31	91.4	144.2	+ 56.1	60.6	09	9	+ 5.8	..	..	..	0	10	0	0	1	0	0	0	0	0
TELANGANA																												
RAMGUNDAM	30.3	+0.1	34.2	01	19.5	+4.5	16.4	22	1.6	24.6	+ 24.2	13.0	16	3	+ 2.8	7.7	4.6	+1.2	1	5	0	0	0	0	0	0	0	0
NIZAMABAD	30.0	+1.1	32.8	02	18.5	+4.7	15.0	08	9.9	19.5	+ 14.2	9.9	15	2	+ 1.6	6.0	5.5	+2.0	0	3	0	0	0	0	0	0	0	0
HANAMKUNDA	27.8	-1.2	31.1	01	19.4	+3.3	15.8	31	2.4	63.2	+ 58.4	26.8	12	5	+ 4.7	6.5	5.8	+0.7	0	5	0	0	0	0	0	0	0	0
HAKIMPET AERODROME	27.6	..	30.7	05	17.7	..	15.4	31	3.0	12.2	..	10.0	10	1	..	..	..	..	0	2	0	0	0	4	0	0	0	0
BHADRACHALLAM	31.1	+1.4	32.7	15	19.5	+3.8	15.8	31	0.0	4.4	- 6.7	4.4	25	1	+ 0.4	6.2	3.8	0.0	0	1	0	0	0	0	0	0	0	0
HYDERABAD(BEGAMPET)	28.5	+0.7	31.0	01	16.3	+2.9	12.7	30	2.6	12.6	+ 5.2	12.1	10	1	+ 0.5	10.2	6.6	-0.8	0	1	0	0	0	3	0	0	0	0
KHAMMAM	31.0	+0.9	32.7	01	20.1	+3.4	16.8	31	0.0	2.0	- 1.9	1.2	09	0	- 0.4	5.4	5.0	+1.0	0	2	0	0	0	1	0	0	0	0
MAHBUBNAGAR	28.3	-0.1	30.0	20	18.1	+1.5	14.9	01	1.8	1.8	- 0.3	1.0	13	0	- 0.6	11.1	9.5	+0.1	0	2	0	0	0	0	0	0	0	0
RAYALASEEMA																												
KURNOOL	31.2	+0.9	32.5	12	19.0	+2.4	15.0	01	4.2	8.0	+ 2.2	3.4	15	2	+ 1.6	9.4	6.5	+1.6	0	4	0	0	0	0	0	0	0	0
NANDYL	30.9	..	31.8	03	18.0	..	14.1	01	0.0	3.8	..	1.6	10	0	..	9.1	7.4	..	0	2	0	0	0	0	0	0	0	0
ANANTAPUR	30.1	+1.0	31.9	12	19.3	+2.1	14.8	01	2.3	3.5	- 3.1	2.5	10	1	+ 0.5	14.3	12.3	+3.4	0	2	0	0	0	0	0	0	0	0
CUDDAPAH	28.3	-1.2	30.7	06	20.8	+1.7	18.5	31	19.0	31.6	+ 13.8	14.8	09	2	+ 0.5	8.2	6.6	+2.3	0	4	0	0	0	0	0	0	0	0
AROGYAVARAM	25.7	+0.2	27.8	12	16.9	+1.4	14.6	01	67.0	105.5	+ 65.2	41.5	09	4	+ 1.1	9.7	6.1	+1.1	0	6	0	0	0	0	0	0	0	0
MADRAS STATE(INCLUDING PONDICHERRY)																												
MADRAS	28.5	+0.3	29.6	12	22.4	+1.0	20.6	01	121.6	303.7	+204.4	167.5	09	5	+ 0.1	11.0	7.6	+0.7	2	9	0	0	0	0	0	0	0	0
MADRAS(MINAMBAKKAM)	28.6	+0.4	30.0	11	21.9	+0.9	20.2	30	71.6	273.5	+134.3	171.4	09	8	+ 2.6	12.0	7.5	-5.1	1	11	0	0	1	2	0	0	2	0
VELLORE	28.3	+0.2	30.1	03	20.1	+1.4	17.9	01	100.6	259.3	+190.0	152.6	09	8	+ 4.1	10.5	8.4	+2.3	0	9	0	0	0	2	0	0	0	0
TAMBARAM AERODROME	29.7	..	31.5	04	21.5	..	19.4	30	41.4	271.0	..	190.0	09	6	..	..	..	..	0	9	0	0	2	1	0	0	0	0
TIRUPPATTUR	28.6	+0.2	30.1	16	18.1	+0.5	12.1	09	43.6	186.4	+173.8	80.2	09	4	+ 2.7	5.7	4.2	+0.6	0	4	0	0	0	0	0	0	0	0
METTUR DAM R.S.	30.5	..	31.9	05	20.3	..	19.1	21	97.4	134.3	..	87.5	10	4	..	5.0	5.5	..	0	4	0	0	0	0	0	0	0	0
CUDDALORE	28.3	+0.4	31.1	10	22.0	+0.5	20.5	25	72.5	280.3	+101.7	99.8	08	11	+ 4.8	12.6	10.5	-0.8	0	13	0	0	0	0	0	0	0	0
KALLAKURICHCHI	28.8	+0.3	31.2	14	21.0	0.0	18.8	18	80.4	210.9	+124.2	102.3	09	6	+ 1.9	7.6	5.2	..	0	8	0	0	1	0	0	0	0	0
SALEM	29.6	-0.5	31.8	27	20.8	+1.2	18.5	19	55.7	84.0	+ 57.8	37.3	09	4	+ 1.9	10.3	8.8	+0.4	1	4	0	0	1	0	0	0	0	0
COIMBATORE(PILAMEDU)	29.5	+0.5	31.2	27	19.9	+1.2	17.0	31	11.3	17.2	- 2.3	4.7	09	3	+ 1.2	17.0	13.0	+2.9	0	4	0	0	0	1	0	0	0	0
COIMBATORE	30.0	+1.1	31.7	25	19.8	+0.2	17.4	31	..	8.8	- 29.3	3.8	10	1	- 1.7	.	6.5	+0.4	0	5	0	0	0	0	0	0	0	0
NAGAPATTINAM	28.0	+0.3	29.5	11	23.6	+0.8	21.7	26	250.4	704.6	+462.5	171.7	07	14	+ 5.6	20.0	20.0	+2.2	0	18	0	0	1	0	0	0	0	0
TIRUCHCHIRAPPALLI	29.4	+0.1	30.9	02	21.8	+0.5	19.4	07	99.9	278.8	+212.8	131.0	09	6	+ 1.9	12.0	9.5	-1.6	1	9	0	0	2	1	0	0	1	0
VEDARANNIYAM	29.5	..	31.8	13	22.7	..	21.0	26	421.4	862.6	..	289.0	07	14	..	10.5	9.6	..	0	17	0	0	0	0	0	1	0	0
ATIRAMPATTINAM	28.5	..	29.8	05	22.3	..	20.2	07	191.6	432.0	..	142.6	08	10	..	13.2	9.9	..	0	13	0	0	1	0	0	2	2	0
MADURAI	29.4	-0.3	31.0	28	21.9	+0.3	20.0	25	..	117.2	+ 66.9	65.4	08	7	+ 3.5	.	7.2	+0.3	0	8	0	0	1	0	0	0	0	0
MADURAI AERODROME	29.1	-0.5	30.6	04	21.2	-0.1	19.6	26	49.6	130.8	+ 91.8	69.6	08	7	+ 4.0	12.7	9.4	-1.7	0	7	0	0	0	0	0	0	0	0
TONDI	28.5	-1.0	30.8	29	22.9	+0.5	20.3	07	130.2	328.2	+269.2	148.0	08	8	+ 4.2	16.2	13.5	+0.2	0	13	0	0	1	0	0	0	0	0
PAMBAN	27.7	-0.3	29.0	13	23.8	-0.2	18.2	08	69.6	381.2	+196.8	116.6	08	14	+ 5.2	20.6	20.9	+1.9	0	17	0	0	0	0	0	2	0	0
TUTICORIN	28.0	+0.2	29.7	10	22.2	-0.4	19.7	08	71.6	142.1	+ 41.2	90.8	08	5	+ 1.0	20.6	18.4	-1.6	0	5	0	0	0	0	0	0	0	0
PALAYANKOTTAI	30.3	+0.1	33.1	10	22.0	-0.6	19.0	07	26.0	59.1	- 53.4	16.4	08	7	+ 1.8	11.3	8.0	-0.9	1	10	0	0	0	0	0	0	0	0
KANNIYAKUMARI	30.4	..	31.9	28	23.7	..	21.0	01	0.0	12.2	..	7.4	03	1	..	23.9	19.6	..	0	3	0	0	0	0	0	0	0	0
PONDICHERRY	28.2	..	29.3	12	22.7	..	20.7	07	51.8	220.7	..	77.2	09	8	..	26.0	23.1	..	2	8	0	0	0	0	0	1	0	0
COASTAL MYSORE																												
KARWAR	32.1	0.0	34.4	01	..	..	..	..	0.0	0.0	- 5.8	0.0	..	0	- 0.4	5.7	3.6	..	0	0	0	0	0	0	0	0	0	0
HONAVAR	32.6	-0.1	35.4	04	22.2	+1.3	20.1	25	0.0	0.0	- 4.3	..	..	0	- 0.3	..	..	..	0	0	0	0	0	0	0	0	0	0
MANGALORE(BAJPE)	32.9	+0.6	34.5	04	22.0	+0.9	19.2	24	0.7	7.7	- 11.9	7.0	10	1	+ 0.1	9.1	6.0	-1.0	0	2	0	0	4	0	0	0	0	0
MANGALORE	32.2	+0.5	34.6	04	23.0	+1.1	20.4	25	0.4	11.6	- 4.1	11.2	10	1	+ 0.1	10.4	8.3	+0.2	0	2	0	0	0	0	0	0	0	0
INTERIOR MYSORE NORTH																												
BIDAR	27.8	+0.7	29.7	01	18.1	+1.9	15.9	02	1.2	5.4	- 0.4	4.2	18	1	+ 0.6	13.8	11.3	+1.9	0	2	0	0	0	0	0	0	0	0
GULBARGA	30.1	+0.6	32.0	20	18.4	+3.3	15.4	31	0.0	0.0	- 4.1	..	..	0	- 0.3	11.4	8.1	-1.7	0	0	0	0	0	0	0	0	0	0
BIJAPUR	30.1	+1.1	32.9	04	18.7	+3.5	15.2	01	1.6	8.0	+ 1.4	3.4	11	2	+ 1.4	6.9	4.6	+0.5	0	5	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – DECEMBER, 1967 AGRAHAYANA 10 – AUSA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena – No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
INTERIOR MYSORE NORTH (CONTD.)																												
RAICHUR	28.9	-0.2	31.0	23	20.0	+2.0	17.1	01	0.0	0.0	- 3.3	0.0	..	0	- 0.3	9.9	9.8	+0.4	0	0	0	0	0	0	0	0	0	0
BELGAUM	30.3	+1.0	32.6	02	16.6	+2.7	13.0	24	6.4	40.4	+ 29.0	27.8	11	3	+ 2.3	8.8	4.6	-1.9	0	4	0	0	0	0	0	0	0	0
BELGAUM (SAMRA)	28.1	-0.1	30.0	04	17.3	+1.8	12.9	24	1.2	14.0	+ 9.5	7.6	11	2	+ 1.6	10.0	5.4	-6.3	1	3	0	0	3	0	0	0	0	0
GADAG	29.8	+0.7	31.4	20	18.2	+1.7	15.5	25	6.0	8.4	- 1.0	7.2	11	1	+ 0.4	10.7	7.9	+0.3	0	2	0	0	0	1	0	0	0	0
INTERIOR MYSORE, SOUTH																												
BELLARY	31.2	+1.9	32.4	21	18.8	+1.4	15.6	02	0.0	0.1	- 5.0	0.1	10	0	- 0.4	10.1	6.8	+2.4	1	0	0	0	0	0	0	0	0	0
CHITRADURGA	28.8	+0.8	30.4	26	18.2	+1.5	16.4	04	6.0	17.8	+ 2.6	16.8	10	1	+ 0.2	10.0	7.8	+0.2	0	2	0	0	0	0	0	0	0	0
SHIMOGA	30.5	+1.6	32.1	20	15.8	+1.4	12.2	01	0.0	0.0	- 6.6	0.0	..	0	- 0.5	5.9	3.4	-1.1	0	0	0	0	0	0	0	0	0	0
AGUMBE	28.3	..	29.4	30	15.4	..	10.8	01	..	37.0	..	37.0	10	1	..	.	4.2	..	0	1	0	0	0	0	0	0	0	0
BALEHONNUR	28.7	+2.5	30.4	03	15.4	+0.5	12.4	25	..	29.0	+ 17.3	24.0	10	2	+ 1.2	..	..	..	0	2	0	0	0	0	0	0	0	0
HASSAN	27.3	+0.5	28.3	01	14.5	-0.5	12.9	24	3.4	19.4	+ 2.1	19.4	10	1	- 0.2	7.0	4.3	-1.5	0	1	0	0	0	1	0	0	0	0
BANGALORE	25.8	+0.1	27.4	06	16.7	+1.4	12.9	01	20.6	30.9	+ 17.7	14.0	10	3	+ 1.8	11.6	9.4	-0.2	0	3	0	0	1	2	0	0	0	0
BANGALORE AERODROME	26.0	-0.9	27.3	06	15.4	0.0	12.4	01	15.4	30.2	+ 16.6	12.2	10	3	+ 1.8	..	..	..	0	5	0	0	0	3	0	0	0	0
MYSORE	27.2	+0.2	28.5	06	17.9	+1.4	15.6	31	0.0	42.0	+ 30.1	38.0	09	2	+ 1.1	16.7	12.0	+0.7	0	2	0	0	0	0	0	0	0	0
KERALA																												
CALICUT	31.4	-0.2	32.4	09	23.3	+1.1	22.0	01	4.3	44.9	+ 14.4	34.4	09	3	+ 1.4	7.5	6.0	-2.3	0	3	0	0	0	0	0	0	0	0
PALGHAT	32.7	+0.6	34.2	30	22.9	+0.7	21.4	31	12.2	18.2	- 6.9	12.2	10	2	+ 0.7	..	..	..	0	3	0	0	0	0	0	0	0	0
FORT COCHIN	31.0	+0.7	32.2	05	22.9	-0.6	21.4	10	2.5	41.1	- 6.9	30.2	09	3	+ 0.4	10.9	7.7	+0.6	0	6	0	0	3	0	0	0	0	0
COCHIN (NAVAL AIR STATION)	31.3	..	32.7	16	23.1	..	20.3	01	6.5	52.3	..	32.5	09	4	..	10.6	7.7	..	0	7	0	0	3	0	0	0	0	0
ALLEPPEY	31.7	+0.3	34.0	04	23.6	+0.8	21.4	10	20.6	62.6	+ 14.5	27.4	09	5	+ 1.5	12.9	9.4	+0.9	0	7	0	0	5	0	0	0	0	0
PUNALUR	31.2	-1.3	34.0	24	17.9	-3.0	15.4	27	0.0	85.0	+ 60.8	63.6	09	2	- 1.0	3.1	2.2	-2.2	0	2	0	0	0	0	0	0	0	0
TRIVANDRUM	31.1	+0.2	32.9	31	..	..	..	..	0.6	1.8	- 72.9	0.6	08	0	- 4.1	7.0	4.7	-0.1	1	4	0	0	4	3	0	0	0	0
TRIVANDRUM AERODROME	30.4	-0.1	31.2	04	..	..	..	..	..	3.0	- 50.2	2.0	14	0	- 3.1	.	5.5	-0.1	0	2	0	0	2	0	0	0	0	0
ARABIAN SEA ISLANDS																												
AMINI	31.2	-0.3	32.4	07	24.5	+0.6	22.8	01	0.8	34.1	- 6.8	21.0	10	2	- 0.2	10.4	7.4	+2.5	1	4	0	0	5	0	0	0	0	0
AGATTI	31.5	..	32.4	28	26.1	..	26.0	22	33.4	46.9	..	16.0	30	4	..	..	..	..	0	4	0	0	5	0	0	0	0	0
ANDROTH	31.4	..	32.3	04	24.5	..	22.3	01	0.0	31.8	..	20.2	10	2	..	4.2	3.5	..	0	3	0	0	0	0	0	0	0	0
MINICOY	30.5	+0.8	31.3	22	23.2	-0.1	21.5	26	47.2	56.2	- 29.7	16.4	20	4	- 0.7	6.9	4.4	-1.8	0	10	0	0	4	0	0	0	0	0
HILL STATIONS (EXCLUDING KASHMIR																												
DALHOUSIE	13.1	-2.0	18.4	22	3.5	-1.6	- 4.0	24	95.5	304.7	+212.2	94.4	27	8	+ 3.8	.	2.3	-0.6	0	12	..	..	..	..	..	.	..	.
DHARMASALA	16.3	-0.7	18.9	21	7.2	-1.2	4.8	28	61.3	187.9	+134.1	68.3	27	7	+ 4.5	5.0	4.1	+0.3	0	9	0	0	0	0	0	0	0	0
BHUNTAR	16.2	..	20.3	01	2.8	..	- 0.2	17	13.1	40.7	..	10.6	28	4	..	4.5	3.6	..	0	8	0	0	0	0	0	0	0	0
SIMLA	11.0	-0.3	14.1	06	3.2	-1.0	- 2.0	27	6.8	19.7	- 8.0	6.4	03	4	+ 1.6	4.8	4.4	+0.9	0	7	3	1	0	0	0	0	0	0
DHARMPUR	..	..	..	..	..	..	..	..	..	78.0	+ 41.0	27.2	24	4	+ 1.9	..	..	..	0	6	..	..	..	..	..	.	..	.
GHANGARIA (KANJALIA TOK)	8.4	+5.1	11.3	18	- 1.9	-3.1	- 4.2	29	..	100.6	- 2.6	20.2	28	7	+ 2.2	..	..	..	0	7	0	0	0	8	0	0	0	0
BADRINATH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JOSHIMATH	13.1	-0.6	16.6	18	3.8	-0.1	1.2	27	8.0	73.2	+ 32.4	25.0	27	6	+ 4.3	4.8	7.2	+0.9	0	6	0	0	0	0	0	0	0	0
MUSSOORIE	12.5	-0.2	16.1	21	3.3	-1.0	0.2	30	6.0	62.4	+ 20.6	24.6	03	5	+ 2.8	9.4	8.4	+1.6	0	5	0	0	1	0	0	0	0	0
MUKTESWAR (KUMAUN)	11.8	-0.7	15.0	21	3.1	-0.7	- 1.3	24	10.0	62.6	+ 38.0	29.0	24	4	+ 2.3	..	..	..	1	7	3	2	2	1	0	0	0	0
NAINITAL	12.2	-0.9	15.8	06	3.5	0.0	1.7	15	17.0	91.0	+ 55.7	42.0	24	6	+ 4.9	8.0	4.1	-2.6	0	7	0	0	0	0	0	0	0	0
KALIMPONG	14.5	-2.8	18.1	24	6.2	-2.6	3.6	15	1.0	1.5	- 5.1	1.0	25	0	- 0.6	7.3	5.4	-3.3	0	2	0	0	0	0	0	0	0	0
DARJEELING	11.8	-0.1	15.3	05	4.0	-0.4	2.2	26	0.0	8.0	+ 1.7	8.0	13	1	+ 0.3	1.9	1.5	0.0	0	1	0	0	0	5	0	0	0	0
KOHIMA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SHILLONG (C.S.O.)	15.1	-2.3	17.2	04	6.9	+4.1	4.9	15	0.0	0.7	- 5.4	0.4	22	0	- 0.7	3.5	2.8	+0.5	0	2	0	0	0	16	0	0	0	0
CHERRAPUNJI	17.7	+0.7	19.0	02	7.2	-1.6	6.0	10	0.0	0.0	- 9.9	0.0	..	0	- 0.5	3.6	3.6	-1.8	0	0	0	0	0	1	0	0	0	0
ABU	20.1	-1.1	24.2	11	9.5	-1.7	3.3	28	14.6	20.2	+ 17.5	6.8	17	4	+ 3.8	5.6	3.0	-0.7	0	4	0	0	0	1	0	0	0	0
AIJAL	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
PACHMARHI	21.2	-1.6	24.5	01	12.5	+5.0	8.5	25	105.8	183.8	+175.2	61.0	11	8	+ 7.2	3.5	2.9	+0.2	0	9	0	0	4	1	0	0	0	0
MAHABALESHWAR	23.6	+0.1	27.2	04	14.1	+0.2	9.6	25	33.4	57.9	+ 52.6	23.9	12	6	+ 5.5	8.5	8.6	-1.1	0	8	0	0	1	9	0	0	0	0
MERCARA	24.8	+1.3	26.4	18	..	..	..	..	4.6	6.9	- 15.2	6.4	10	1	- 0.4	12.0	10.5	-0.9	1	2	0	0	1	0	0	0	0	0
OOTACAMOND	20.3	+0.6	22.1	19	7.5	+1.2	3.8	31	11.2	50.6	+ 2.1	27.8	09	4	+ 0.3	4.1	2.7	-0.5	0	8	0	0	0	0	0	0	0	0
COONOOR	19.7	+0.9	21.8	07	9.4	0.0	4.2	31	..	174.0	+ 27.4	39.8	16	9	+ 2.6	..	..	..	0	13	0	0	0	0	0	0	0	0
KODAIKANAL	15.8	-0.6	18.4	24	8.3	-0.3	5.8	31	54.4	178.2	+ 48.4	90.5	08	9	+ 2.1	16.7	16.3	+3.6	1	11	0	0	0	12	0	0	0	0
NEPAL																												
KATMANDU	19.7	+0.6	22.0	12	3.4	+0.4	0.5	29	0.0	0.0	- 3.1	0.0	..	0	- 0.3	1.0	0.3	-0.9	0	0	0	0	0	19	0	0	0	0
SIKKIM																												
LACHEN	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
HYDROMETEOROLOGICAL OBSERVATORIES DAMODAR CATCHMENT																												
TILAIYA	23.9	..	26.6	02	12.3	..	7.8	23	0.0	9.5	..	7.2	11	1	..	7.9	4.3	..	0	2	0	0	0	0	0	0	0	0
HAZARIBAGH	22.7	..	25.6	04	11.0	..	7.0	22	2.0	13.8	..	13.8	11	1	..	5.4	2.8	..	0	1	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – DECEMBER, 1967 AGRAHAYANA 10 - AUSA 10, 1889 SAKA

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
DAMODAR CATCHMENT.(CONTD.)																												
KUNAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BOKARO	26.9	..	31.5	02	9.2	..	5.2	23	2.5	15.8	..	12.6	11	1	..	1.5	1.2	..	0	4	0	0	0	0	0	0	0	0
MAITHON	26.7	..	29.9	03	12.2	..	7.9	23	0.4	10.2	..	9.8	11	1	..	1.8	1.4	..	0	2	0	0	0	0	0	0	0	0
RAMGARH	26.4	..	31.0	10	11.4	..	7.5	23	3.3	18.5	..	15.6	11	1	..	3.0	1.9	..	0	3	0	0	0	0	0	0	0	0
PANCHET HILLS	26.3	..	28.6	29	14.8	..	21.4	23	1.0	10.5	..	9.3	11	1	..	2.4	1.2	..	1	2	0	0	0	10	0	0	0	0
DURGAPUR	26.7	..	29.0	04	14.0	..	10.4	23	1.8	1.8	..	1.8	12	0	..	8.7	7.7	..	0	1	0	0	0	0	0	0	0	0
MAHANADI CATCHMENT																												
GINAHAHAR	25.9	..	29.5	29	13.2	..	8.9	22	..	75.6	..	39.4	11	4	..	..	..	..	0	6	0	0	0	0	0	0	0	0
HIRAKUD	28.1	..	31.3	04	17.7	..	14.0	22	4.6	21.6	..	11.8	24	3	..	3.2	2.1	..	0	3	0	0	1	0	0	0	0	0
BHIMKUND	27.4	..	29.4	31	15.1	..	10.4	07	7.3	7.3	..	7.3	19	1	..	3.3	1.5	..	0	1	0	0	1	5	0	0	0	0
SONEPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
KHIJRAWAN	27.8	..	30.6	03	16.5	..	12.6	28	0.0	30.8	..	16.3	12	3	..	..	..	..	0	5	0	0	4	0	0	0	0	0
NARMADA CATCHMENT																												
BAGRA TAWA	26.1	..	31.0	04	15.0	..	11.6	21	32.1	76.7	..	26.2	23	6	..	6.7	5.0	..	1	9	0	0	1	0	0	0	0	0
PUNASA	27.6	..	31.9	07	14.9	..	11.6	24	3.0	73.4	..	21.8	23	6	..	3.3	3.0	..	0	6	0	0	0	0	0	0	0	0
THIKRI	27.7	..	31.2	01	16.2	..	16.0	30	..	66.2	..	16.3	11	5	..	..	..	..	1	6	0	0	0	0	0	0	0	0
SABARMATI CATCHMENT																												
DAROI	28.1	..	31.6	01	..	..	..	..	22.0	32.2	..	17.8	07	2	..	..	..	..	1	2	0	0	0	0	0	0	0	0
GANDAK CATCHMENT																												
JAMOSOM	13.9	..	17.7	22	- 1.1	..	- 4.6	17	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
KHUDI BAZAR	18.9	..	21.0	17	7.8	..	5.5	26	3.8	10.4	..	6.4	25	2	..	..	..	..	0	2	..	..	..	..	..	.	..	.
TIMURE	16.0	..	19.2	30	4.2	..	2.4	22	1.1	13.1	..	7.4	24	2	..	..	..	..	0	3	..	..	..	..	..	.	..	.
POKHARA	19.3	..	21.2	12	9.1	..	5.0	25	3.4	13.4	..	8.2	24	2	..	1.7	1.3	..	0	2	0	0	1	0	0	0	0	0
GORKHA	18.2	..	20.4	13	8.8	..	6.7	25	0.6	11.8	..	11.0	24	1	..	..	..	..	1	2	0	0	1	3	0	0	0	0
NUWAKOT	20.5	..	23.1	04	10.0	..	8.5	26	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																												
DAILEKH	16.1	..	18.5	30	6.7	..	5.3	20	3.8	14.6	..	7.2	03	3	..	..	..	..	0	4	..	..	..	..	..	.	..	.
GHAGHARA CATCHMENT																												
SALLYANA	16.8	..	19.6	30	7.8	..	5.4	25	7.7	22.4	..	8.9	25	4	..	..	..	..	0	5	..	..	..	..	..	.	..	.
BUTWAL	24.0	..	26.9	12	13.7	..	9.4	31	5.4	5.4	..	5.4	25	1	..	..	..	..	0	1	..	..	..	..	..	.	..	.
BAGHMATI CATCHMENT																												
KATMANDU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
KOSI CATCHMENT																												
CHAUTARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
WALUNGCHUNG GOLA	6.2	..	9.3	30	- 2.1	..	- 5.3	25	1.0	1.5	..	1.0	25	0	..	..	..	..	0	2	..	..	..	..	..	.	..	.
TAPLETHOK	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BHOJPUR	14.4	..	18.0	13	8.0	..	6.7	25	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
TAPLEJUNG	14.7	..	16.8	12	6.2	..	3.4	25	0.4	5.4	..	5.0	01	1	..	5.1	3.3	..	0	2	0	0	0	5	0	0	0	0
DHALDHUNGA	16.1	..	18.5	12	6.1	..	4.8	20	0.0	0.0	..	0.0	..	0	..	2.6	2.0	..	0	0	0	0	0	0	0	0	0	0
CHAINPUR	19.0	..	21.1	12	10.1	..	8.1	01	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	..	..	..	..	..	.	..	.
ANGBUNG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BARAHAKSHETRA	23.8	..	25.5	09	12.6	..	10.8	20	0.0	0.0	..	0.0	..	0	..	5.1	3.4	..	0	0	0	0	0	0	0	0	0	0
TISTA CATCHMENT																												
GANGTOK	14.7	..	18.7	12	6.1	..	3.5	26	0.4	34.2	..	20.5	01	2	..	3.1	2.3	..	0	9	0	0	0	12	0	0	0	0
GEZING	17.1	..	20.4	12	8.6	..	7.2	27	0.0	23.2	..	9.2	01	2	..	..	..	..	0	6	..	..	..	..	..	.	..	.

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – DECEMBER, 1967 AGRAHAYANA 10 - AUSA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
MAYA BANDAR	0830	28	(R)																								
	1730	28	(R)																								
LONG ISLAND	0830	25	1014.3	1011.4	+0.3	27.9	23.5	21.3	25.3	67	-10	3.7	-0.4	2.3	0	0	24	00	6	6	2	0	0	0	0	7	0
	1730	25	1012.0	1009.1	+0.4	26.1	22.9	21.3	25.3	75	- 5	3.9	-0.2	1.9	0	0	17	00	9	6	1	0	0	0	0	14	1
PORT BLAIR	0530	79	1012.3	1003.3	..	24.5	22.3	21.2	25.2	82	..	3.8	..	7.2	0	3	21	00	14	9	1	0	0	0	0	7	0
	0830	79	1014.0	1005.1	+0.8	28.6	24.2	22.1	26.6	68	- 4	3.8	-1.0	9.0	0	5	21	00	11	14	1	0	0	0	0	5	0
	1130	79	1012.3	1003.5	..	29.0	24.5	22.3	26.9	68	..	4.2	..	11.5	0	6	24	00	16	13	1	0	0	0	0	1	0
	1430	79	1010.4	1001.5	..	28.3	24.2	22.3	26.9	71	..	4.3	..	8.2	0	3	22	00	13	12	0	0	0	0	0	6	0
	1730	79	1011.6	1002.7	+1.0	25.8	22.9	21.5	25.6	77	- 3	4.2	-1.1	6.4	0	1	20	00	13	8	0	0	0	0	0	10	0
	2030	79	1013.4	1004.4	..	25.5	22.8	21.5	25.6	78	..	3.3	..	7.7	0	3	19	00	12	10	0	0	0	0	0	9	0
	2330	79	1012.9	1003.9	..	25.2	22.6	21.3	25.3	79	..	3.9	..	11.5	0	7	21	00	11	17	0	0	0	0	0	3	0
CAR NICOBAR	0830	10	1012.9	1011.7	+0.2	28.1	24.4	22.7	27.6	73	- 2	5.2	+0.8	4.0	0	0	30	01	28	1	0	0	0	0	0	1	0
	1730	10	1010.4	1009.2	+0.0	26.6	23.6	22.1	26.6	77	- 5	4.7	+0.2	2.8	0	0	29	01	27	1	0	0	0	0	0	2	0
NAN COWRY	0830	26	1012.9	1010.0	+0.3	27.7	25.3	24.2	30.2	82	+ 3	4.7	-0.3	1.3	0	0	15	00	0	12	3	0	0	0	0	16	0
	1730	26	1010.4	1007.5	+0.3	26.6	24.6	23.7	29.3	84	+ 0	5.5	+0.9	0.8	0	0	10	00	1	9	0	0	0	0	0	21	0
KONDUL	0830	8	1013.1	1012.2	+0.7	27.1	24.6	23.5	28.9	81	+ 0	5.4	+0.2	9.8	0	0	29	00	13	15	1	0	0	0	0	2	0
	1730	8	1010.8	1009.9	+0.8	27.0	24.5	23.3	28.6	80	- 3	4.9	-0.3	9.0	0	0	28	00	9	19	0	0	0	0	0	3	0
NORTH ASSAM (INCLUDING NEFA)																											
PASIGHAT	0830	157	1019.0	1000.6	+0.8	17.2	14.1	11.5	13.6	69	+ 1	3.3	+0.5	15.6	0	12	19	01	1	0	1	0	0	0	28	0	0
	1730	157	1015.3	997.0	+0.7	17.3	15.5	14.1	16.1	82	+ 0	4.0	+1.6	3.2	0	0	26	03	2	2	4	3	2	2	8	5	0
DIBRUGARH (MOHANBARI)	0230	111	1016.5	1003.2	..	12.1	11.6	11.1	13.2	95	..	3.4	..	1.2	0	0	8	01	6	1	0	0	0	0	0	23	0
	0530	111	1017.2	1003.9	..	10.9	10.6	10.3	12.5	96	..	3.7	..	0.5	0	0	3	00	1	1	0	0	1	0	0	28	0
	0830	111	1019.2	1006.1	+0.6	16.3	14.8	13.7	15.7	84	+ 3	3.1	+0.4	5.1	0	0	29	02	12	12	1	0	0	1	1	2	0
	1130	111	1016.3	1003.4	..	21.6	16.5	12.7	14.7	57	..	3.3	..	6.2	0	0	28	03	11	9	2	1	0	0	2	3	0
	1430	111	1014.1	1001.3	..	22.9	16.9	12.4	14.4	52	..	3.6	..	4.6	0	0	27	03	11	3	2	5	0	1	2	4	0
	1730	111	1015.3	1002.3	+0.6	17.4	15.4	13.9	15.9	80	- 3	3.8	+1.4	0.3	0	0	3	00	2	0	0	0	0	1	0	28	0
	2030	111	1016.9	1003.7	..	13.9	13.1	12.4	14.4	91	..	2.8	..	0.3	0	0	3	00	3	0	0	0	0	0	0	28	0
	2330	111	1016.9	1003.7	..	12.8	12.3	11.9	13.9	95	..	3.3	..	0.6	0	0	6	01	4	0	0	0	0	0	1	25	0
DIGBOI	0830	152	(R)																								
	1730	152	(R)																								
NORTH LAKHIMPUR	0830	102	1019.1	1007.1	+0.8	17.2	15.3	13.9	15.9	81	+ 1	2.8	+0.2	2.0	0	0	19	01	11	3	2	1	0	0	1	12	0
	1130	102	1016.7	1004.9	..	22.3	17.2	13.5	15.5	58	..	3.7	..	3.9	0	0	26	00	12	7	4	3	0	0	0	5	0
	1430	102	1014.5	1002.8	..	23.0	17.2	12.9	14.9	53	..	4.1	..	3.9	0	0	26	00	4	9	5	6	1	0	1	5	0
	1730	102	1015.4	1003.4	+0.7	18.1	16.2	14.9	16.9	81	- 4	3.6	+1.0	1.5	0	0	11	03	0	0	0	0	1	0	7	20	0
	2030	102	1016.8	1004.7	..	14.9	14.2	13.7	15.7	92	..	2.4	..	0.5	0	0	3	01	2	0	0	0	0	0	0	28	0
SIBSAGAR	0830	97	(R)																								
	1730	97	(R)																								
GOHPUR	0830	83	1018.5	1008.7	..	16.1	15.4	14.9	16.9	93	+ 6	3.1	..	0.5	0	0	6	00	5	0	0	0	1	0	0	25	0
	1730	83	1014.2	1004.6	..	17.8	16.6	15.8	17.9	89	+ 8	2.8	..	0.4	0	0	4	00	1	0	1	0	0	0	2	27	0
MAJBAT	0830		..	..	..	17.6	15.9	14.7	16.7	83	..	1.4	-0.6	0.6	0	0	8	00	0	0	8	0	0	0	0	23	0
	1730		..	..	..	20.3	18.5	17.4	19.9	83	..	1.1	-1.2	0.2	0	0	3	00	0	0	3	0	0	0	0	28	0
JORHAT AERODROME	0530	90	1016.7	1006.0	..	12.1	12.1	12.1	14.1	0	..	4.9	..	0.3	0	0	1	00	1	0	0	0	0	0	0	30	0
	0830	90	1018.7	1008.1	..	15.8	15.2	14.8	16.8	94	..	5.4	..	0.2	0	0	1	00	1	0	0	0	0	0	0	30	0
	1130	90	1016.1	1005.7	..	21.6	17.7	15.0	17.0	67	..	3.8	..	3.2	0	0	13	01	9	3	0	0	0	0	0	18	0
	1730	90	1014.7	1004.2	..	17.8	16.4	15.4	17.5	85	..	3.3	..	0.3	0	0	2	00	2	0	0	0	0	0	0	29	0
	2330	90	1016.5	1005.9	..	13.2	12.7	12.3	14.3	95	..	2.2	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
TANGLA	0830	65	1018.5	1009.4	+1.2	18.6	16.5	15.1	17.1	81	+ 5	2.5	+1.2	0.5	0	0	5	00	0	2	3	0	0	0	0	26	0
	1730	65	1014.6	1005.5	+1.1	20.4	18.9	18.0	20.6	86	+ 9	2.3	+1.2	0.0	0	0	1	00	0	1	0	0	0	0	0	30	0
TEZPUR	0830	79	1019.1	1009.8	+0.6	16.6	15.0	13.8	15.8	83	- 1	3.0	+1.3	2.4	0	0	23	00	20	2	1	0	0	0	0	8	0
	1730	79	1014.5	1005.7	+0.7	19.8	16.7	14.5	16.5	71	- 7	1.3	+0.1	0.8	0	0	8	00	8	0	0	0	0	0	0	23	0
GOLAGHAT	0830	95	1018.6	1007.4	+0.8	16.3	15.2	14.4	16.4	88	+ 7	1.9	-1.2	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	95	1014.9	1004.1	+1.5	22.4	18.0	15.0	17.0	64	- 4	2.9	-0.2	..	.	..	..	..	..	..	..	..	..	..	..	..	..
RANGIA	0830	60	1019.4	1012.5	..	18.5	16.7	15.5	17.6	82	+ 1	2.5	..	6.0	0	0	27	00	6	16	2	0	0	1	2	4	0
	1730	60	1015.7	1008.7	..	19.8	18.0	16.8	19.1	83	+ 8	0.9	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
CHAPARMUKH	0830	66	1019.6	1011.9	+0.7	18.1	16.3	15.0	17.0	83	+ 3	2.1	+0.2	2.3	0	0	28	01	7	7	10	1	1	0	1	1	0
	1730	66	1015.2	1007.6	+0.8	21.1	18.1	16.1	18.3	73	- 2	1.9	+0.2	0.8	0	0	8	01	5	1	0	0	0	0	1	20	0
GOALPARA	0830	38	1018.8	1014.3	+1.4	16.7	15.4	14.5	16.4	87	+ 3	1.2	-1.0	1.3	0	0	21	03	2	12	0	0	1	3	0	10	0
	1730	38	1014.8	1010.4	+1.9	21.9	18.7	16.7	19.0	73	+ 6	1.2	+0.4	0.2	0	0	3	00	0	2	0	0	0	1	0	28	0
GAUHATI (BHURJOR)	0230	54	1015.5	1009.1	..	13.8	13.6	13.5	15.4	98	..	1.9	..	0.6	0	0	5	00	1	0	1	3	0	0	0	26	0
	0530	54	1016.2	1009.7	..	12.6	12.5	12.4	14.4	99	..	2.4	..	0.3	0	0	3	01	2	0	0	0	0	0	0	28	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS -

DECEMBER, 1967 AGRAHAYANA 10 - AUSA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NORTH ASSAM INCLUDING NEFA (CONTD)																											
GAUHATI (BHORJOR) (CONTD.)	0830	54	1018.6	1012.1	+0.0	17.0	16.0	15.3	17.4	90	+ 4	3.2	+0.6	1.6	0	0	9	02	3	2	0	1	1	0	0	22	0
	1130	54	1016.1	1009.8	..	22.2	18.3	15.8	17.9	67	..	3.1	..	4.8	0	0	23	05	14	2	0	0	0	0	2	8	0
	1430	54	1013.5	1007.3	..	23.9	18.3	14.5	16.5	56	..	3.5	..	4.5	0	0	23	10	9	1	0	0	0	1	2	8	0
	1730	54	1014.5	1008.2	+0.0	18.9	17.2	16.1	18.3	83	+ 0	3.4	+0.7	0.8	0	0	4	01	0	1	0	1	1	0	0	27	0
	2030	54	1016.3	1009.9	..	16.2	15.6	15.2	17.3	94	..	2.6	..	0.3	0	0	3	00	0	0	0	3	0	0	0	28	0
	2330	54	1016.2	1009.7	..	15.1	14.6	14.2	16.2	95	..	2.5	..	0.5	0	0	3	00	0	0	1	1	1	0	0	28	0
DHUBRI (RUPSI)	0530	45	1016.2	1010.8	..	12.7	12.4	12.1	14.1	96	..	1.8	..	1.2	0	0	8	00	5	3	0	0	0	0	0	23	0
	0830	45	1017.9	1012.5	+0.7	17.6	16.0	14.8	16.8	84	+ 3	1.9	+0.2	4.5	0	0	22	00	9	9	2	1	1	0	0	9	0
	1130	45	1016.1	1010.9	..	22.6	18.2	15.3	17.4	63	..	2.0	..	6.4	0	0	27	00	11	9	4	0	1	0	2	4	0
	1730	45	1014.0	1008.7	+1.3	18.7	17.1	16.0	18.2	83	+ 0	1.4	+0.1	0.1	0	0	1	00	0	0	0	0	0	1	0	30	0
DHUBRI	0830	35	1018.6	1014.4	+0.9	17.0	16.1	15.5	17.6	91	+ 7	1.2	-0.1	5.0	0	0	22	02	14	4	1	0	1	0	0	9	0
LUMDING	1730	35	1014.9	1010.7	+1.0	20.8	17.6	15.4	17.5	72	+ 1	1.3	+0.0	2.3	0	0	11	03	4	2	0	0	1	0	1	20	0
	0830	149	1019.2	1001.4	..	13.3	13.1	12.9	14.9	97	+11	2.3	..	0.1	0	0	2	00	0	2	0	0	0	0	0	29	0
	1730	149	1014.2	997.1	..	22.1	18.1	15.4	17.5	66	..	2.7	..	0.6	0	0	10	02	0	[illegible]	0	1	0	1	0	21	0
SOUTH ASSAM (INCLUDING NAGALAND)																											
TURA	0830	370	(R)																								
	1730	370	(R)																								
HAFLONG	0830	682	1018.1	940.3	+0.9	16.8	14.3	12.5	14.5	77	+ 0	2.7	+0.4	2.0	0	0	31	00	0	0	0	0	31	0	0	0	0
	1730	682	1013.6	937.1	+1.0	18.1	14.8	12.5	14.5	69	- 5	3.1	+0.8	2.5	0	0	31	00	0	0	0	2	29	0	0	0	0
SILCHAR (KUMBHIRGRAM)	0530	97	1014.7	1003.3	..	13.8	12.8	11.9	13.9	88	..	2.1	..	9.2	0	0	29	00	1	28	0	0	0	0	0	2	0
	0830	97	1016.9	1005.5	+0.7	17.5	14.9	12.9	14.9	75	+ 0	2.3	+1.2	10.6	0	0	31	00	4	26	0	0	0	0	0	0	1
	1130	97	1014.3	1003.2	..	23.1	17.0	12.5	14.5	51	..	2.2	..	8.7	0	0	30	00	1	15	4	1	1	1	0	1	7
	1730	97	1012.6	1001.5	+0.5	20.7	16.9	14.2	16.2	67	- 1	2.2	+1.1	2.1	0	0	14	00	5	3	0	2	4	0	0	17	0
SILCHAR	0830	29	1018.6	1015.1	+1.1	17.1	15.6	14.5	16.5	85	+ 1	1.8	-0.1	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	29	1014.1	1010.7	+0.7	21.9	17.7	14.8	16.8	64	- 4	2.2	+0.9	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
IMPHAL (TULIHAL)	0530	781	1020.7	929.3	..	6.2	6.0	5.8	9.2	96	..	4.3	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	0830	781	1021.2	931.3	+0.4	11.4	10.2	9.1	11.5	87	+ 6	4.1	+1.2	0.8	0	0	3	00	0	0	1	2	0	0	0	28	0
	1130	781	1016.2	928.6	..	18.4	14.0	10.6	12.8	61	..	2.8	..	4.6	0	0	15	00	0	1	3	8	1	2	0	16	0
	1430	781	1012.8	926.3	..	21.0	14.5	9.4	11.8	47	..	3.0	..	6.5	0	0	20	00	0	0	3	5	3	6	3	11	0
	1730	781	1015.4	927.1	+1.9	15.6	12.4	9.8	12.1	68	- 4	2.1	+0.6	3.9	0	0	11	01	0	0	2	0	0	2	6	20	0
	2030	781	1018.6	928.9	..	11.6	10.3	9.1	11.5	85	..	1.7	..	0.2	0	0	1	00	0	0	0	0	0	1	0	30	0
	2330	781	1019.5	928.9	..	9.1	8.5	7.9	10.7	93	..	1.8	..	0.5	0	0	2	00	0	0	2	0	0	0	0	29	0
KAILASHAHAR	0530	29	1016.6	1013.1	..	11.7	11.4	11.1	13.2	97	..	1.6	..	0.1	0	0	1	00	0	0	0	0	1	0	0	30	0
	0830	29	1018.7	1015.3	+1.1	17.6	15.9	14.7	16.7	82	- 1	1.6	+0.1	1.0	0	0	13	00	1	0	2	4	6	0	0	18	0
	1130	29	1016.4	1013.0	..	24.5	18.9	15.2	17.3	56	..	2.5	..	2.8	0	0	24	03	5	2	1	3	7	3	0	7	0
	1730	29	1015.0	1011.6	+0.8	20.5	17.7	15.8	17.9	75	- 1	1.9	+0.3	0.3	0	0	3	00	0	2	0	0	0	1	0	28	0
AGARTALA	0230	16	1014.3	1012.4	..	12.8	12.1	11.5	13.6	92	..	1.0	..	0.6	0	0	4	01	0	0	2	1	0	0	0	27	0
	0530	16	1014.8	1012.9	..	12.0	11.5	11.1	13.2	93	..	2.2	..	0.5	0	0	3	00	0	0	1	2	0	0	0	28	0
	0830	16	1017.1	1015.2	+0.7	19.1	16.5	14.7	16.7	76	+ 0	2.5	+1.2	2.4	0	0	11	04	3	0	1	1	2	0	0	20	0
	1130	16	1015.0	1013.2	..	24.9	17.8	12.7	14.7	46	..	2.5	..	7.7	0	0	30	15	2	0	0	0	2	6	5	1	0
	1430	16	1012.9	1011.1	..	25.8	17.6	11.4	13.5	40	..	3.1	..	8.1	0	0	31	08	0	1	0	0	1	10	11	0	0
	1730	16	1013.5	1011.7	+0.5	20.8	16.8	13.9	16.9	65	- 4	2.2	+0.7	1.7	0	0	11	06	0	0	0	0	0	1	4	20	0
	2030	16	1015.3	1013.4	..	16.5	14.7	13.3	15.3	82	..	1.5	..	0.3	0	0	2	00	0	0	0	1	0	0	1	29	0
	2330	16	1015.1	1013.2	..	14.2	13.3	12.5	14.5	89	..	0.9	..	0.4	0	0	2	00	0	0	0	1	0	0	1	29	0
SUB-HIMALAYAN WEST BENGAL																											
BAGHDOGRA	0230	131	1015.9	1000.5	..	13.6	12.7	11.9	13.9	91	..	2.2	..	0.2	0	0	1	00	1	0	0	0	0	0	0	30	0
	0530	131	1016.3	1000.6	..	11.3	10.7	10.1	12.3	93	..	1.8	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	0830	131	1018.4	1003.0	+0.6	17.7	16.0	14.7	16.7	83	+ 7	2.3	+0.5	1.2	0	0	5	00	1	4	0	0	0	0	0	26	0
	1130	131	1016.7	1001.6	..	24.2	18.4	14.5	16.5	55	..	2.8	..	8.3	0	0	27	00	3	10	6	4	2	2	0	4	0
	1430	131	1013.8	998.8	..	25.2	18.9	14.7	16.7	52	..	4.3	..	6.9	0	0	23	00	0	3	4	7	7	2	0	8	0
	1730	131	1014.4	999.1	+0.1	19.7	17.1	15.3	17.4	76	- 5	3.4	+0.9	1.9	0	0	7	00	2	1	0	0	4	0	0	24	0
	2030	131	1016.3	1000.8	..	16.7	15.3	14.3	16.3	86	..	2.8	..	0.1	0	0	1	01	0	0	0	0	0	0	0	30	0
	2330	131	1016.7	1001.2	..	14.8	13.8	13.0	15.0	89	..	2.2	..	0.4	0	0	1	00	1	0	0	0	0	0	0	30	0
JALPAIGURI	0830	83	1018.3	1008.5	+0.8	16.1	15.1	14.4	16.4	89	+ 3	2.0	+0.8	2.4	0	0	26	15	6	2	2	1	0	0	0	5	0
	1730	83	1014.1	1004.5	+0.7	21.5	17.7	15.1	17.1	67	+ 4	1.5	+0.2	0.9	0	0	12	01	1	1	1	0	6	1	1	19	0
COOCH BEHAR AERODROME	0830	43	1018.6	1013.6	+0.9	17.0	15.6	14.6	16.6	85	+10	1.8	+0.7	4.6	0	0	21	02	4	13	0	0	0	2	0	10	0
	1130	43	1016.8	1011.8	..	22.8	17.8	14.3	16.3	59	..	2.3	..	9.1	0	3	26	00	2	18	2	3	2	1	0	2	1
	1730	43	1014.6	1009.7	+0.5	19.8	16.9	14.9	16.9	73	- 1	2.0	+0.7	0.2	0	0	1	00	0	0	0	0	0	1	0	30	0
BALURGHAT	0830	26	(R)																								
	1730	26	(R)																								

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS -

DECEMBER, 1967 AGRAHAYANA 10 - AUSA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SUB-HIMALAYAN WEST BENGAL																											
MALDA	0830	31	1018.3	1014.6	+0.7	18.4	15.9	14.1	16.1	76	+ 4	1.8	+0.8	0.8	0	0	12	03	1	1	0	0	0	1	6	19	0
	1730	31	1014.4	1010.7	+0.5	21.1	18.2	15.6	17.7	66	+ 3	2.0	+0.9	0.5	0	0	8	02	0	0	0	0	0	1	5	23	0
GANGETIC WEST BENGAL																											
BERHAMPORE	0830	19	1018.2	1016.0	+1.0	18.6	16.3	14.7	16.7	78	+ 4	1.9	+0.7	0.1	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	19	1014.5	1012.4	+1.1	21.4	18.0	15.7	17.8	70	+ 9	1.3	+0.2	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
SURI	0830		..	..	..	20.7	16.2	12.8	14.8	61	- 2	1.4	+0.2	3.0	0	0	31	20	0	8	0	0	0	3	0	0	0
ASANSOL	0230	126	1015.9	1000.9	..	14.5	13.5	12.7	14.7	90	..	1.5	..	0.5	0	0	4	01	0	0	0	0	0	0	3	27	0
	0530	126	1016.5	1001.6	..	14.1	13.2	12.5	14.5	90	..	2.3	..	0.8	0	0	7	01	0	0	0	0	0	2	4	24	0
	0830	126	1018.6	1003.9	+1.1	19.1	16.0	13.7	15.7	71	+ 4	2.8	+1.6	2.4	0	0	15	03	0	1	0	0	0	0	11	16	0
	1130	126	1016.7	1002.3	..	24.8	18.2	13.6	15.6	50	..	3.1	..	4.5	0	0	24	03	5	1	3	1	0	1	10	7	0
	1430	126	1014.1	999.8	..	26.2	18.9	14.0	16.0	47	..	3.2	..	4.5	0	0	26	02	7	1	0	1	0	2	13	5	0
	1730	126	1014.6	1000.0	+1.2	21.7	17.7	14.9	16.9	66	+18	3.5	+0.2	0.7	0	0	8	00	0	1	0	0	1	1	5	23	0
	2030	126	1016.4	1001.6	..	17.7	15.7	14.1	16.1	80	..	1.7	..	0.9	0	0	7	01	0	0	1	0	0	3	2	24	0
	2330	126	1016.6	1001.7	..	15.9	14.5	13.4	15.4	85	..	1.4	..	0.9	0	0	8	01	0	0	1	0	0	1	5	23	0
SHANTI NIKETAN	0830	59	1018.5	1011.6	..	18.8	16.1	14.1	16.1	75	..	2.7	..	3.5	0	0	22	07	6	0	0	0	1	1	7	9	0
	1130	59	1017.3	1010.5	..	24.2	18.1	13.8	15.8	52	..	2.7	..	4.3	0	0	29	07	12	2	0	0	0	5	3	2	0
	1730	59	1014.9	1008.0	..	21.4	17.6	15.0	17.0	67	..	3.1	..	1.7	0	0	18	03	4	0	1	0	2	3	5	13	0
KRISHNANAGAR	0830	15	1018.2	1016.5	+0.9	19.9	16.3	13.7	15.7	68	- 8	0.8	-0.4	0.1	0	0	1	00	0	0	0	0	0	1	0	30	0
	1730	15	1015.4	1013.7	+1.7	23.2	18.4	15.2	17.3	61	- 2	0.9	-0.4	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
PURULIA	0830	255	1018.8	989.3	+0.4	18.5	15.6	13.4	15.4	72	+13	3.9	+3.1	2.8	0	0	22	06	2	1	0	0	2	4	7	9	0
	1730	255	1014.7	985.7	+0.4	23.1	18.3	15.1	17.1	61	+11	4.9	+3.8	1.0	0	0	13	04	8	1	0	0	0	0	0	18	0
BANKURA	0830	100	1018.1	1006.5	..	19.0	15.7	13.2	15.2	70	..	1.4	..	1.0	0	0	15	08	1	0	0	0	0	3	3	16	0
	1730	100	1013.3	1001.9	..	24.5	18.5	14.4	16.4	53	..	0.5	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
BURDWAN	0830	32	1018.3	1014.5	+0.8	20.4	17.0	14.6	16.6	70	+ 0	1.3	+0.2	2.1	0	0	22	05	4	4	0	0	0	2	7	9	0
	1730	32	1014.8	1011.0	+1.1	24.7	19.0	15.3	17.4	56	- 2	1.0	-0.1	1.9	0	0	24	09	3	0	1	0	0	2	9	7	0
CALCUTTA (DUM DUM)	0230	6	1014.7	1014.0	..	16.5	15.4	14.5	16.5	89	..	1.2	..	0.5	0	0	4	00	1	2	0	0	0	0	1	27	0
	0530	6	1015.5	1014.8	..	15.6	14.8	14.2	16.2	92	..	2.4	..	0.3	0	0	3	01	1	0	0	0	0	0	1	28	0
	0830	6	1017.9	1017.2	+0.9	20.1	16.9	14.7	16.7	71	- 4	2.4	+1.1	3.2	0	0	21	06	11	1	0	0	1	0	2	10	0
	1130	6	1016.2	1015.5	..	25.4	18.6	13.9	15.9	49	..	2.4	..	4.1	0	0	26	06	9	0	0	0	0	4	7	5	0
	1430	6	1013.8	1013.1	..	26.6	19.1	14.0	16.0	46	..	3.0	..	3.7	0	0	24	09	3	2	0	0	0	1	9	7	0
	1730	6	1014.3	1013.6	+0.7	23.2	18.8	16.0	18.2	64	+ 1	2.6	+1.1	0.5	0	0	4	02	2	0	0	0	0	0	0	27	0
	2030	6	1015.8	1015.1	..	19.4	17.4	16.1	18.3	82	..	1.7	..	0.5	0	0	4	01	1	0	2	0	0	0	0	27	0
	2330	6	1015.5	1014.8	..	17.7	16.2	15.1	17.1	86	..	1.4	..	0.4	0	0	3	01	1	0	0	1	0	0	0	28	0
CALCUTTA	0830	6	1017.9	1017.1	+0.7	21.7	17.9	15.3	17.4	68	- 8	2.3	+1.0	2.6	0	0	21	02	11	3	0	0	0	1	4	10	0
	1130	6	1016.0	1015.3	..	26.2	19.3	14.9	16.9	49	..	2.4	..	4.0	0	0	28	04	10	4	2	0	1	3	4	3	0
	1730	6	1014.3	1013.6	+0.7	23.1	18.7	15.9	18.1	63	+ 0	2.3	+0.8	1.2	0	0	12	04	1	0	0	0	2	0	5	19	0
MIDNAPORE	0830	45	1018.6	1013.2	+1.1	21.1	17.0	14.1	16.1	64	+ 1	1.0	-0.2	1.5	0	0	19	02	16	0	1	0	0	0	0	12	0
	1730	45	1013.9	1008.7	+0.5	24.9	18.6	14.3	16.3	52	+ 2	2.4	+1.1	0.8	0	0	11	02	8	0	1	0	0	0	0	20	0
CONTAI	0830	11	1017.7	1016.4	+0.7	21.3	18.9	17.4	19.9	79	+ 8	1.9	+1.1	2.2	0	0	26	20	3	1	0	0	0	1	1	5	0
	1730	11	1014.1	1012.9	+0.6	23.9	19.9	17.4	19.9	68	+ 4	1.6	+0.7	1.5	0	0	13	01	0	1	3	7	1	0	0	18	0
SAGAR ISLAND	0830	3	1017.2	1016.8	+0.5	22.0	19.7	18.3	21.0	80	+ 8	3.0	+1.3	8.6	0	5	26	10	13	2	0	0	1	1	4	0	0
	1730	3	1013.9	1013.6	+0.7	23.3	20.2	18.4	21.1	73	+ 8	3.2	+0.8	7.1	0	0	26	05	2	1	5	8	3	0	2	5	0
SANDHEADS	0530	10	1015.1	1014.0	..	23.5	20.0	17.9	20.5	71	..	2.3	..	10.1	0	3	23	06	10	2	3	0	1	2	2	5	0
	0830	10	1017.5	1016.4	+0.8	24.7	20.6	18.3	21.0	67	+ 5	2.8	+1.1	9.5	0	2	24	06	14	2	1	0	2	1	0	5	0
	1130	10	1016.5	1015.4	..	25.8	21.1	18.4	21.1	64	..	3.0	..	10.6	0	4	23	06	14	2	1	0	1	3	0	4	0
	1730	10	1014.6	1013.5	+0.8	24.2	20.3	18.0	20.6	68	+ 7	2.5	+1.0	8.6	0	1	24	02	9	8	3	0	2	1	0	6	0
	2330	10	1015.6	1014.5	..	23.6	20.3	18.3	21.0	72	..	1.1	..	6.7	0	0	23	03	5	7	2	2	2	1	1	8	0
ORISSA																											
BARIPADA	0830	54	1018.6	1012.2	+0.1	19.9	17.4	15.7	17.8	77	+13	2.3	+1.3	1.7	0	0	20	11	7	0	0	0	0	0	2	11	0
	1730	54	1015.0	1008.8	+0.5	23.6	19.5	16.9	19.3	66	+ 8	2.9	+2.0	0.3	0	0	3	01	1	0	1	0	0	0	0	28	0
JHARSUGUDA	0230	230	1015.0	988.3	..	17.6	16.4	15.6	17.7	89	..	2.8	..	3.9	0	0	21	04	15	2	0	0	0	0	0	10	0
	0530	230	1015.7	988.8	..	16.8	15.8	15.1	17.1	90	..	3.4	..	3.9	0	0	19	05	12	2	0	0	0	0	0	12	0
	0830	230	1017.7	991.1	+0.1	19.7	17.2	15.5	17.6	78	+11	3.8	+2.5	6.7	0	0	29	01	17	7	2	2	0	0	0	2	0
	1130	230	1016.1	990.0	..	25.2	19.0	14.9	16.9	54	..	3.7	..	5.4	0	0	26	02	8	1	5	5	0	3	2	5	0
	1430	230	1013.1	987.2	..	27.1	19.1	13.7	15.7	45	..	4.2	..	4.8	0	0	27	06	5	3	3	2	3	2	3	4	0
	1730	230	1013.6	987.5	+0.1	24.4	18.7	14.9	16.9	56	+ 9	4.3	+2.6	2.5	0	0	18	04	5	1	2	3	0	1	2	13	0
	2030	230	1015.7	989.2	..	21.0	17.9	15.9	18.1	74	..	3.1	..	3.9	0	0	21	05	4	3	3	3	2	0	1	10	0
	2330	230	1015.9	989.2	..	19.0	17.2	16.0	18.2	83	..	2.8	..	3.7	0	0	20	06	8	3	3	0	0	0	0	11	0
KEONJHARGARH	0830	463	1018.7	965.3	+0.1	16.0	13.6	11.8	13.8	76	+14	1.8	+0.5	0.9	0	0	14	00	0	0	0	0	0	0	7	0	17	7
	1730	463	1013.9	962.1	+0.2	23.5	18.0	14.6	16.6	59	+ 8	2.8	+0.4	0.7	0	0	11	00	0	0	0	5	0	6	0	20	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - DECEMBER, 1967 AGRAHAYANA 10 - AUSA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORRISA(CONTD)																											
BALASORE	0830	20	(R)																								
	1730	20	(R)																								
SAMBALPUR	0830	148	1017.1	999.9	-0.5	21.3	18.2	16.1	18.3	74	- 1	2.7	+1.2	0.9	0	0	11	03	5	2	1	0	0	0	0	20	0
	1730	148	1015.0	997.9	+1.3	22.9	16.9	12.4	14.4	54	+ 5	3.6	+1.7	0.7	0	0	9	02	4	1	2	0	0	0	0	22	0
ANGUL	0830	139	(R)																								
	1730	139	(R)																								
CHANDBALI	0830	6	1017.5	1016.8	+0.4	22.6	19.9	18.3	21.0	77	+ 1	3.0	+1.5	3.1	0	0	27	08	3	1	1	2	0	0	12	4	0
	1730	6	1014.2	1013.5	+0.4	24.6	20.2	17.5	20.0	66	+ 2	3.1	+1.3	4.0	0	0	25	01	6	13	5	0	0	0	0	6	0
BOLANGIR	0830	190	1017.5	995.6	+0.0	22.2	19.7	18.2	20.9	79	+14	3.7	+1.4	1.7	0	0	17	02	6	1	2	2	0	0	4	14	0
	1730	190	1013.6	992.0	-0.3	25.9	21.5	19.1	22.1	67	+18	3.6	+1.1	1.9	0	0	16	07	4	2	0	1	0	1	1	15	0
PHULBANI	0830	464	1017.6	964.6	..	18.1	16.5	15.5	17.6	85	..	2.1	..	0.1	0	0	1	00	0	0	0	0	1	0	0	30	0
	1730	464	1013.6	962.0	..	23.3	18.6	15.9	18.1	64	..	3.2	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
CUTTACK	0830	27	1017.8	1014.7	+0.5	22.1	19.9	18.6	21.4	80	+ 3	1.5	-0.2	0.8	0	0	10	03	1	2	0	0	0	4	0	21	0
	1730	27	1014.2	1011.2	+0.8	27.3	21.3	17.9	20.5	57	+ 5	2.0	+0.2	3.1	0	0	20	00	3	9	4	2	2	0	0	11	0
TITLAGARH	0830	211	1017.3	993.0	-0.1	21.6	18.5	16.5	18.8	72	+ 0	3.5	+2.3	1.7	0	0	27	00	11	0	9	0	5	0	2	4	0
	1730	211	1013.7	989.9	+0.5	26.9	20.8	17.1	19.5	56	+ 9	3.3	+2.1	1.8	0	0	28	00	26	0	1	0	0	0	1	3	0
BHUBANESWAR	0230	46	1014.8	1009.5	..	19.8	18.7	18.1	20.8	89	..	2.2	..	5.0	0	0	23	07	6	1	2	0	4	1	2	8	0
	0530	46	1015.4	1010.0	..	19.1	18.2	17.7	20.2	91	..	2.8	..	5.0	0	0	23	09	7	0	0	0	0	4	3	8	0
	0830	46	1017.6	1012.4	+0.4	22.9	19.7	17.8	20.4	73	+ 5	3.1	+1.4	6.6	0	0	26	07	13	0	0	1	2	2	1	5	0
	1130	46	1016.2	1011.0	..	27.0	20.4	16.4	18.6	52	..	4.1	..	8.6	0	2	25	02	12	4	2	1	4	2	0	4	0
	1430	46	1013.4	1008.3	..	28.3	20.0	14.6	16.6	44	..	4.7	..	9.7	0	0	31	01	14	5	3	2	3	1	0	0	2
	1730	46	1014.1	1008.9	+0.2	25.7	20.2	16.9	19.3	58	+ 6	4.1	+2.0	10.0	0	0	31	00	8	8	4	4	6	1	0	0	0
	2030	46	1016.0	1010.8	..	22.5	19.9	18.4	21.1	77	..	2.2	..	6.3	0	0	25	00	4	7	7	3	3	0	1	6	0
	2330	46	1016.0	1010.7	..	21.0	19.4	18.5	21.3	86	..	1.9	..	5.0	0	0	23	01	5	3	1	8	5	0	0	8	0
PURI	0830	6	1017.4	1016.7	+0.4	23.8	20.9	19.2	22.2	77	+ 7	2.8	+1.1	7.4	0	0	0	..	..	..	..	..	..	..	..	..	..
	1730	6	1013.7	1013.0	+0.0	24.1	21.0	19.3	22.4	74	+12	1.6	-0.9	10.3	0	0	0	..	..	..	..	..	..	..	..	..	..
GOPALPUR	0530	17	1015.1	1013.1	..	20.4	19.2	18.5	21.3	89	..	4.0	..	10.1	0	0	30	14	0	0	0	0	1	2	13	1	0
	0830	17	1017.5	1015.5	+0.5	22.5	20.1	18.7	21.6	79	+ 6	4.4	+2.3	7.9	0	0	27	19	0	0	0	0	0	0	8	4	0
	1130	17	1016.5	1014.5	..	27.1	22.1	19.4	22.5	63	..	4.4	..	11.5	0	0	31	01	3	7	13	6	1	0	0	0	0
	1730	17	1014.3	1012.3	+0.6	25.2	21.7	19.8	23.1	72	+ 7	4.1	+1.8	13.2	0	3	28	01	0	6	15	8	1	0	0	0	0
	2330	17	1016.0	1014.0	..	22.3	20.4	19.3	22.4	84	..	3.7	..	5.7	0	0	18	03	1	0	2	1	4	5	2	13	0
KORAPUT	0830	913	1545.7	915.4	+0.3	18.5	15.8	14.0	16.0	75	+ 3	5.7	+4.5	8.4	0	2	29	02	0	0	29	0	0	0	0	0	0
	1730	913	1524.7	912.5	+0.2	21.2	16.7	13.8	15.8	64	+14	6.1	+4.4	12.9	0	3	28	18	0	5	1	6	0	1	0	0	0
BIHAR PLATEAU																											
DUMKA	0830	149	1018.6	1001.3	+1.1	18.7	15.5	13.1	15.1	71	+ 6	1.1	+0.2	1.2	0	0	7	00	0	0	1	0	1	3	2	24	0
	1730	149	1014.5	997.4	+0.9	22.7	17.6	14.0	16.0	58	+ 5	1.6	+0.6	0.1	0	0	1	00	0	0	0	0	0	1	0	30	0
DALTONGANJ	0830	221	(R)																								
	1730	221	(R)																								
HAZARIBAGH	0830	611	1018.5	948.4	+0.6	15.6	13.5	11.9	13.9	80	+19	3.4	+2.2	3.8	0	0	22	02	0	0	4	8	2	0	6	9	0
	1730	611	1014.6	945.7	+0.6	19.3	15.2	12.3	14.3	65	+13	3.8	+2.3	4.5	0	0	27	11	0	1	2	1	0	0	12	4	0
DHANBAD	0830	257	1018.2	988.5	+0.8	20.1	15.9	12.7	14.7	62	+ 6	1.7	+0.6	1.5	0	0	15	00	3	0	2	2	0	4	3	16	1
	1730	257	1014.1	984.8	..	22.5	17.2	13.3	15.3	56	..	3.0	..	1.4	0	0	21	01	4	0	4	0	0	2	10	10	0
RANCHI	0830	655	1019.0	944.3	+1.7	16.8	14.5	12.9	14.9	78	+18	3.3	+2.3	1.2	0	0	15	02	0	2	0	6	0	3	2	11	0
	1730	655	1014.5	941.1	+0.9	20.5	17.8	16.2	18.4	79	+28	3.3	+2.1	1.0	0	0	12	06	0	2	0	0	0	4	0	13	0
RANCHI AERODROME	0530	652	1016.5	941.7	..	13.9	12.8	11.9	13.9	88	..	2.6	..	2.5	0	0	8	02	0	0	0	0	0	1	5	23	0
	0830	652	1018.0	943.8	+0.3	16.6	14.4	12.8	14.8	78	+23	3.2	+1.7	3.7	0	0	14	02	1	0	5	0	0	0	6	17	0
	1130	652	1015.7	942.7	..	21.1	15.8	12.1	14.1	57	..	3.5	..	9.8	0	2	21	01	0	1	2	4	2	5	8	8	0
	1430	652	1013.0	940.5	..	22.4	15.9	11.3	13.4	51	..	3.9	..	13.5	0	5	23	05	1	0	3	2	2	3	12	3	0
	1730	652	1014.0	940.9	+0.1	20.1	15.4	12.1	14.1	60	+17	3.8	+1.6	8.1	0	0	26	07	0	1	3	1	0	1	13	5	0
	2030	652	1016.3	942.4	..	17.4	14.6	12.6	14.6	74	..	2.3	..	5.4	0	0	20	02	1	0	2	3	0	2	10	11	0
JAMSHEDPUR	0830	129	1018.3	1003.2	+0.4	18.3	16.2	14.7	16.7	80	+ 5	4.7	+3.4	0.8	0	0	10	02	0	1	1	0	0	2	4	21	0
	1730	129	1014.4	999.6	+0.5	23.8	19.3	16.5	18.8	63	+ 8	2.3	+1.2	0.6	0	0	7	00	1	4	1	0	0	0	1	24	0
JAMSHEDPUR P.B.O.	0530	142	1016.1	999.4	..	15.9	14.8	13.9	15.9	88	..	2.4	..	0.6	0	0	3	00	0	0	0	0	0	0	3	28	0
	0830	142	1018.4	1001.8	+0.4	18.4	16.0	14.2	16.2	77	+ 5	3.7	+2.5	3.0	0	0	18	02	2	1	0	0	0	1	12	13	0
	1130	142	1016.3	1000.1	..	24.3	18.3	14.1	16.1	53	..	3.4	..	3.9	0	0	22	02	2	2	3	1	3	3	6	9	0
	1430	142	1013.5	997.4	..	26.1	18.7	13.6	15.6	46	..	3.6	..	6.4	0	0	31	03	6	3	0	0	1	4	14	0	0
	1730	142	1014.0	997.7	+0.2	23.9	18.5	14.9	16.9	58	+10	3.7	+2.2	1.4	0	0	10	00	0	3	0	0	0	0	7	21	0
	2030	142	1015.9	999.5	..	20.1	17.4	15.5	17.6	75	..	2.3	..	1.8	0	0	10	04	0	2	0	0	0	0	4	21	0
	2330	142	1016.2	999.7	..	18.4	16.5	15.2	17.3	82	..	2.2	..	0.9	0	0	7	00	1	2	0	0	0	0	4	24	0
CHAIBASA	0830	226	1018.2	991.9	+0.5	19.0	16.3	14.3	16.3	74	+ 2	3.7	+2.0	1.0	0	0	14	00	4	0	1	0	9	0	0	17	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS –

DECEMBER, 1967 AGRAHAYANA 10 – AUSA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 35 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BIHAR PLATEAU(CONTD.)																											
CHAIBASA	1730	226	1013.5	987.9	+0.4	23.9	18.5	14.9	16.9	57	+ 4	5.9	+3.7	0.5	0	0	7	00	5	0	0	0	2	0	0	24	0
BIHAR PLAINS																											
MOTIHARI	0830	66	(R)																								
	1730	66	(R)																								
FORBESGANJ	0830	61	1018.1	1010.9	+0.4	16.2	14.9	13.9	15.9	87	+ 3	1.9	+0.5	1.4	0	0	17	00	4	5	1	0	0	6	1	14	0
	1730	61	1014.0	1007.0	+0.4	20.1	16.9	14.7	16.7	70	+ 2	2.0	+0.7	0.7	0	0	11	00	0	0	0	0	1	9	1	20	0
DARBHANGA	0830	49	1017.9	1012.2	+0.3	19.1	16.4	14.5	16.5	76	- 9	2.1	+1.1	1.3	0	0	17	02	1	1	2	0	3	3	5	14	0
	1730	49	1014.1	1008.5	+0.2	21.5	17.7	15.1	17.1	67	+ 1	1.6	+0.6	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
MUZAFFARPUR	0830		..	..	..	16.4	15.0	13.9	15.9	86	..	2.0	..	1.0	0	0	8	00	0	1	1	0	0	5	0	23	1
	1730		..	..	..	20.0	17.0	14.9	16.9	72	..	2.3	..	0.1	0	0	1	00	0	0	0	0	0	1	0	30	0
CHAPRA	0830	58	1018.1	1011.2	..	16.6	14.9	13.6	15.6	83	..	2.8	..	1.9	0	0	26	00	7	0	0	0	12	1	6	5	0
	1730	58	1015.3	1008.6	..	21.9	17.5	14.4	16.4	63	..	2.0	..	1.9	0	0	20	00	6	0	0	0	11	1	2	11	0
PURNEA	0830	38	1018.6	1014.1	+0.9	17.2	15.4	13.7	15.7	81	- 1	1.9	+1.0	1.5	0	0	21	02	0	3	0	1	5	10	0	10	0
	1730	38	1014.4	1009.9	+0.5	19.9	17.2	15.5	17.6	75	+ 4	1.4	+0.6	0.1	0	0	1	00	0	0	0	0	0	1	0	30	0
PATNA	0830	53	1018.2	1011.9	+0.3	16.5	15.1	14.0	16.0	86	+19	3.2	+2.1	4.4	0	0	27	03	4	0	1	5	8	5	1	4	0
	1730	53	1014.6	1008.6	+0.4	21.5	17.0	13.7	15.7	62	+ 9	2.5	+1.4	4.0	0	0	25	00	3	0	0	0	2	18	2	6	0
PATNA AERODROME	0230	60	1015.3	1008.2	..	14.6	13.5	12.6	14.6	88	..	2.2	..	1.6	0	0	10	01	1	1	2	0	0	5	1	21	0
	0530	60	1015.7	1008.6	..	13.5	12.8	12.2	14.2	92	..	2.5	..	2.4	0	0	15	02	0	1	0	3	2	6	1	16	0
	0830	60	1017.9	1010.9	+0.2	16.9	15.0	13.5	15.5	81	+ 7	3.8	+2.5	5.5	0	0	25	00	2	2	1	1	7	8	3	6	1
	1130	60	1016.8	1009.9	..	22.7	16.9	12.5	14.5	54	..	3.7	..	8.1	0	0	30	00	0	3	1	3	3	11	8	1	1
	1430	60	1014.2	1007.3	..	24.1	17.0	11.6	13.7	46	..	3.8	..	9.3	0	1	28	03	2	2	1	0	0	9	12	2	0
	1730	60	1014.2	1007.3	+0.0	20.7	16.6	13.6	15.6	64	+ 6	3.7	+2.4	2.0	0	0	17	00	1	2	0	0	0	9	5	14	0
	2030	60	1015.8	1008.8	..	17.4	15.1	13.3	15.3	78	..	2.5	..	2.4	0	0	10	01	1	1	0	0	1	5	1	21	0
	2330	60	1015.9	1008.9	..	15.8	14.3	13.1	15.1	84	..	2.4	..	2.4	0	0	13	00	1	2	0	1	1	6	2	18	0
BHAGALPUR	0530	49	1016.1	1010.3	..	14.7	13.7	12.9	14.9	89	..	3.7	..	2.2	0	0	25	00	0	0	3	10	4	8	0	6	0
	0830	49	1018.4	1012.6	+0.2	17.2	15.3	13.9	15.9	81	+ 5	3.7	+2.7	2.8	0	0	26	00	2	0	5	7	4	8	0	5	0
	1130	49	1017.3	1011.6	..	21.6	17.3	14.3	16.3	63	..	3.8	..	3.6	0	0	31	01	6	1	0	3	3	10	7	0	0
	1730	49	1014.7	1009.0	+0.2	20.9	17.0	14.2	16.2	66	+ 3	3.7	+2.7	3.0	0	0	28	02	2	0	0	0	5	14	5	3	0
	2330	49	1016.4	1010.7	..	17.2	15.1	13.5	15.5	79	..	1.6	..	2.5	0	0	29	00	1	3	7	7	5	6	0	2	0
SABAUR	0830	37	1018.5	1014.0	+0.7	16.7	15.1	13.9	15.9	83	+'4	2.9	+1.8	2.8	0	0	24	02	2	1	1	1	6	9	2	7	0
	1730	37	1014.5	1010.1	+0.6	20.7	17.8	15.9	18.1	74	+ 3	2.5	+1.2	1.0	0	0	12	01	0	0	0	0	0	7	4	19	0
JAMUI	0830	82	(R)																								
	1730	82	(R)																								
DEHRI	0830	107	1018.0	1005.4	-0.1	17.4	15.8	14.6	16.6	85	+14	3.5	+2.6	2.1	0	0	29	02	2	3	5	6	6	2	3	2	0
	1730	107	1014.1	1001.7	-0.1	22.6	17.8	14.5	16.5	61	+11	3.7	+2.4	2.8	0	0	30	04	2	1	1	0	1	19	2	1	0
GAYA	0230	116	1016.3	1002.6	..	14.5	13.7	13.1	15.1	90	..	2.2	..	2.2	0	0	15	01	3	2	2	5	1	0	1	16	0
	0530	116	1016.7	1002.8	..	13.5	12.9	12.4	14.4	93	..	2.3	..	3.1	0	0	26	00	2	7	8	5	4	0	0	5	0
	0830	116	1018.7	1005.0	+0.7	16.9	15.3	14.1	16.1	84	+16	3.8	+2.7	5.0	0	1	24	01	1	3	5	10	3	1	1	6	0
	1130	116	1017.7	1004.3	..	22.5	17.3	13.5	15.5	57	..	3.9	..	7.8	0	0	30	01	6	2	0	2	6	10	3	1	0
	1430	116	1014.9	1001.6	..	24.5	17.8	13.0	15.0	49	..	3.3	..	11.3	0	0	29	02	2	0	1	0	5	14	5	2	0
	1730	116	1015.1	1001.7	+1.2	21.8	17.0	13.5	15.5	60	+15	3.3	+2.0	6.0	0	0	28	04	1	1	0	0	3	14	5	3	0
	2030	116	1016.7	1003.1	..	18.1	15.6	13.7	15.7	76	..	2.2	..	4.6	0	0	26	04	4	3	0	1	5	5	4	5	0
	2330	116	1016.9	1003.3	..	16.1	14.6	13.5	15.5	85	..	1.8	..	3.2	0	0	24	00	5	2	3	7	4	2	1	7	0
UTTAR PRADESH EAST																											
KHERI	0830	147	(R)																								
	1730	147	(R)																								
BAHRAICH	0830	124	1018.0	1003.3	+0.7	13.9	12.5	11.2	13.3	84	+ 5	3.0	+1.7	3.5	0	0	22	00	1	2	1	0	4	4	10	9	0
	1730	124	1014.6	1000.2	+0.3	19.9	15.9	12.7	14.7	64	+ 8	4.0	+2.5	2.5	0	0	21	00	3	0	2	0	4	9	3	10	0
NAUTANWA	0830	99	1018.0	1006.2	+0.3	14.0	13.2	12.5	14.5	90	+ 1	1.7	+0.7	1.0	0	0	15	00	2	6	3	2	1	1	0	16	0
	1730	99	1014.9	1003.3	+0.4	19.7	16.2	13.6	15.6	69	+ 3	1.6	+0.5	0.8	0	0	12	01	1	2	1	0	5	2	0	19	0
HARDOI	0830	142	1018.5	1001.5	+0.7	15.0	13.4	12.1	14.1	83	- 1	2.1	+0.0	2.1	0	0	24	05	0	5	0	0	1	12	1	7	0
	1730	142	1014.6	998.1	+0.1	19.5	16.0	13.6	15.6	69	+11	2.7	+1.1	1.4	0	0	17	04	0	2	0	0	1	10	0	14	0
GONDA	0830	110	1018.5	1005.5	+0.6	14.9	13.3	11.9	13.9	83	- 1	3.0	+1.8	2.6	0	0	24	03	0	5	0	0	0	6	10	7	0
	1730	110	1014.4	1001.6	-0.4	19.7	15.9	12.9	14.9	65	+ 2	3.2	+1.8	0.8	0	0	8	00	0	2	0	0	0	4	2	23	0
LUCKNOW	0830	111	1017.5	1004.4	-0.3	13.4	12.2	11.1	13.2	87	+ 6	3.3	+2.3	1.0	0	0	7	00	0	0	2	0	0	4	8	24	1
	1730	111	1015.0	1002.1	+0.5	19.5	15.6	12.6	14.6	67	+ 9	3.3	+2.0	0.6	0	0	4	00	0	0	0	0	1	2	0	27	1
LUCKNOW(AMAUSI)	0230	128	1016.0	1000.7	..	12.9	12.0	11.3	13.4	90	..	2.3	..	6.1	0	0	28	01	6	3	0	0	2	7	9	3	0
	0530	128	1016.2	1000.9	..	11.6	11.4	10.9	13.0	97	..	3.0	..	5.6	0	0	23	00	3	1	0	1	1	11	6	8	0
	0830	128	1018.1	1003.0	+0.1	14.0	12.9	11.9	13.9	87	+ 6	3.7	+1.9	6.3	0	0	28	03	5	5	0	0	3	6	6	3	0
	1130	128	1017.8	1002.9	..	19.9	15.6	12.3	14.3	63	..	3.9	..	8.6	0	1	27	02	4	3	4	2	0	5	8	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS -

DECEMBER, 1967 AGRAHAYANA 10 - AUSA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lst. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															42 or more	20 to 41	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																											
LUCKNOW (AMAUSI)	1430	128	1015.2	1000.4	..	21.6	16.1	11.7	13.7	55	..	4.3	..	11.3	0	4	27	05	1	3	4	2	0	6	10	0	0
	1730	128	1015.1	1000.2	+0.1	19.1	15.8	13.3	15.3	70	+ 9	3.6	+1.7	6.1	0	0	27	02	4	2	2	0	2	10	5	4	0
	2030	128	1016.3	1001.2	..	15.4	13.9	12.7	14.7	84	..	2.3	..	5.5	0	0	23	00	4	2	3	0	1	10	3	8	0
	2330	128	1016.8	1001.6	..	13.8	12.6	12.0	14.0	83	..	2.7	..	5.2	0	0	23	01	3	3	0	0	3	9	4	8	0
FAIZABAD	0830	102	1018.2	1006.1	+0.4	14.7	13.7	12.9	14.9	89	+ 8	3.4	+1.8	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	102	1014.9	1003.1	+0.3	18.6	16.2	14.5	16.5	77	+ 9	3.1	+1.2	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GORAKHPUR	0830	77	1018.0	1008.9	+0.7	16.0	14.0	12.3	14.3	79	+ 2	2.8	+1.8	1.5	0	0	23	02	0	4	0	1	3	11	2	8	0
	1730	77	1015.0	1006.0	+0.9	20.6	16.4	13.2	15.2	63	+ 2	3.0	+1.8	1.4	0	0	20	00	0	3	0	0	5	12	0	11	0
GORKHPUR P.B.O.	0230	78	1015.6	1006.3	..	15.4	14.0	12.9	14.9	84	..	1.5	..	1.0	0	0	8	00	1	0	0	1	0	4	2	23	0
	0530	78	1015.6	1006.3	..	15.3	13.4	12.5	14.5	86	..	1.6	..	1.4	0	0	13	01	1	0	0	0	1	8	2	18	0
	1130	78	1017.3	1008.2	..	20.0	15.7	13.0	15.0	65	..	3.3	..	5.4	0	0	31	02	1	3	2	5	5	7	6	0	0
	1430	78	1014.6	1005.4	..	22.0	16.2	12.5	14.5	56	..	3.9	..	6.1	0	0	30	01	2	1	2	0	9	8	7	1	0
	2030	78	1015.9	1006.7	..	17.7	15.5	13.9	15.9	79	..	1.9	..	2.3	0	0	19	03	1	0	0	0	6	6	3	12	0
	2330	78	1016.0	1006.8	..	16.4	14.8	13.4	15.4	83	..	1.7	..	1.4	0	0	12	01	1	1	0	1	1	5	2	19	0
KANPUR	0830	126	1017.9	1002.9	-0.2	14.6	13.6	12.8	14.8	88	+10	3.2	+2.1	3.7	0	0	18	02	0	10	0	0	0	6	0	13	0
	1730	126	1014.7	999.9	-0.5	19.7	17.1	15.2	17.3	76	+29	3.4	+2.0	3.5	0	0	20	06	0	5	0	0	0	9	0	11	0
KANPUR (AERODROME)	0530	126	1016.5	1001.5	..	13.1	12.2	11.4	13.5	90	..	2.7	..	3.8	0	0	13	04	3	2	2	0	0	0	2	18	0
	0830	126	1018.7	1003.4	..	14.9	13.7	12.5	14.5	84	..	3.5	..	6.2	0	0	20	06	2	5	1	0	2	4	0	11	0
	1130	126	1018.7	1003.4	..	19.9	15.9	12.3	14.3	65	..	4.3	..	8.9	0	0	26	06	1	5	3	3	2	2	4	5	0
	1730	126	1015.4	1000.7	..	19.6	16.2	13.5	15.5	69	..	4.0	..	4.9	0	0	20	03	2	3	2	0	2	4	4	11	0
	2330	126	1017.0	1002.1	..	15.1	14.1	13.2	15.2	89	..	3.1	..	4.2	0	0	13	01	2	4	1	0	1	1	3	18	0
SULTANPUR	0830	97	1018.8	1007.3	+0.6	14.9	13.8	12.8	14.8	87	+18	3.5	+1.9	1.1	0	0	12	00	1	4	0	0	2	5	0	19	0
	1730	97	1014.7	1003.5	+0.7	20.7	17.0	14.4	16.4	69	+19	3.6	+2.1	1.1	0	0	14	01	1	3	0	1	1	5	2	17	0
AZAMGARH	0830	78	1018.4	1009.3	+1.0	15.8	14.4	13.1	15.1	84	+ 3	2.7	+2.0	2.6	0	0	19	02	1	2	0	0	2	11	1	12	0
	1730	78	1015.0	1005.9	+0.6	20.2	17.9	16.3	18.5	79	+10	2.6	+2.0	1.8	0	0	14	02	0	0	0	0	3	9	0	17	0
FATEHPUR	0830	114	1018.4	1004.9	+0.3	15.5	14.8	14.1	16.1	92	+20	3.5	+2.2	3.4	0	0	20	00	2	6	4	0	4	2	2	10	0
	1730	114	1015.2	1001.9	+0.6	19.8	17.8	16.4	18.6	81	+27	3.6	+2.1	1.6	0	0	13	00	2	2	2	0	0	2	5	18	0
BALLIA	0830	64	1018.4	1011.3	+0.6	15.9	14.6	13.9	15.9	87	+11	3.7	+2.3	1.5	0	0	17	00	1	2	1	0	0	13	0	14	0
	1730	64	1015.6	1008.2	+1.1	21.1	17.1	14.4	16.4	64	+ 6	3.6	+2.2	0.6	0	0	6	00	0	2	0	0	0	4	0	25	0
BANDA	0830	121	1018.8	1004.5	+0.2	16.1	15.1	14.4	16.4	88	+15	3.9	+2.8	0.3	0	0	5	00	5	0	0	0	0	0	0	26	0
	1730	121	1014.8	1000.4	-0.6	20.7	17.8	15.9	18.1	78	+20	3.5	+2.3	0.2	0	0	4	00	4	0	0	0	0	0	0	27	0
ALLAHABAD (BAMHRAULI)	0230	98	1016.1	1004.5	..	14.8	14.1	13.4	15.4	91	..	1.9	..	1.0	0	0	12	02	4	2	0	0	1	2	1	19	0
	0530	98	1016.2	1004.5	..	14.0	13.5	13.0	15.0	94	..	2.8	..	1.6	0	0	11	01	2	1	0	1	2	4	0	20	0
	0830	98	1018.4	1006.9	+0.5	15.7	14.7	13.9	15.9	89	+13	4.5	+3.0	2.5	0	1	18	03	2	3	0	1	4	4	2	12	0
	1130	98	1018.0	1006.6	..	20.3	16.7	14.0	16.0	69	..	4.5	..	3.4	0	0	29	03	3	8	1	1	0	6	7	2	0
	1430	98	1015.5	1004.1	..	22.2	17.7	14.6	16.6	63	..	5.2	..	3.7	0	0	28	06	5	2	2	0	1	5	7	3	0
	1730	98	1015.3	1004.0	+0.5	20.3	17.6	15.8	17.9	76	+25	4.1	+2.7	0.7	0	0	8	02	3	0	1	0	1	0	1	23	0
	2030	98	1016.5	1005.0	..	17.1	15.7	14.7	16.7	86	..	2.2	..	1.0	0	0	10	02	2	0	1	1	2	2	0	21	0
	2330	98	1016.9	1005.3	..	15.7	14.8	14.0	16.0	90	..	2.5	..	1.2	0	0	13	01	3	2	1	0	0	5	1	18	0
VARANASI (BABATPUR)	0530	85	1016.4	1006.1	..	13.6	13.2	12.9	14.9	95	..	2.3	..	0.8	0	0	3	00	1	1	0	0	0	1	0	28	0
	0830	85	1018.7	1008.5	-0.2	16.1	14.9	14.1	16.1	88	+17	4.0	+2.8	7.7	0	1	24	01	3	2	1	1	8	6	1	6	2
	1130	85	1018.0	1008.0	..	20.9	16.8	13.7	15.7	65	..	4.1	..	9.7	0	0	29	01	2	5	1	0	3	10	7	2	0
	1730	85	1015.3	1005.3	-0.3	20.3	17.2	15.1	17.1	73	+17	3.3	+2.0	5.9	0	0	26	01	1	3	0	1	0	9	3	5	8
	2330	85	1016.8	1006.6	..	15.6	14.7	14.1	16.1	91	..	2.0	..	3.0	0	0	11	00	1	0	1	0	0	7	2	20	0
VARANASI	0830	76	1018.1	1009.1	+0.3	16.5	15.3	14.4	16.4	88	+12	4.0	+2.8	1.2	0	0	14	00	0	1	0	0	1	11	1	17	0
	1730	76	1014.8	1006.0	+0.3	21.7	17.6	14.6	16.6	65	+14	4.0	+2.7	0.9	0	0	15	00	0	1	1	0	0	12	1	16	0
UTTAR PRADESH WEST																											
MUKHIM	0830		..	..	..	7.7	3.5	- 1.5	5.4	53	+ 3	2.3	..	0.0	0	0	1	00	0	0	0	0	0	0	1	30	0
	1730		..	..	..	8.6	4.8	0.0	6.1	56	+ 1	2.8	..	0.1	0	0	1	00	0	0	0	0	0	0	1	30	0
TEHRI	0830	770	1033.5	942.3	..	7.3	6.9	6.6	9.7	95	+ 3	0.3	-2.5	0.5	0	0	4	01	1	1	1	0	0	0	0	27	0
	1130	770	1030.3	941.5	..	14.1	10.4	6.8	9.9	63	..	3.3	..	0.6	0	0	6	00	3	1	0	0	2	0	0	25	0
	1730	770	1025.8	937.6	..	15.0	11.1	7.5	10.4	61	+ 7	3.0	+0.4	2.0	0	0	18	00	1	5	0	5	7	0	0	13	0
DEHRA DUN	0530	682	1017.9	938.3	..	9.1	8.3	7.4	10.3	89	..	2.4	..	0.1	0	0	3	01	0	0	0	0	1	1	0	28	0
	0830	682	1019.2	939.5	+0.4	9.4	8.6	7.8	10.6	89	+13	2.8	+0.6	0.3	0	0	4	04	0	0	0	0	0	0	0	27	0
	1130	682	1017.5	940.2	..	17.5	13.4	10.0	12.3	61	..	3.2	..	0.8	0	0	11	01	0	0	1	3	3	3	0	20	0
	1730	682	1015.0	937.7	+0.4	17.0	13.8	11.4	13.5	70	+ 9	4.9	+2.0	0.3	0	0	3	01	0	2	0	0	0	0	0	28	0
	2330	682	1018.3	939.1	..	10.7	9.8	8.9	11.4	90	..	2.4	..	0.5	0	0	7	00	0	0	0	1	0	6	0	24	0
MANSIARI	0830		..	..	..	6.7	1.7	- 6.8	3.4	38	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	6.7	3.2	- 1.5	5.4	56	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ROORKEE	0830	274	1019.1	986.5	+1.1	11.3	10.1	8.8	11.3	85	+ 4	2.4	+0.2	0.5	0	0	6	01	0	1	2	0	0	0	2	25	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS –

DECEMBER, 1967 AGRAHAYANA 10 - AUSA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST(CONTD.)																											
ROORKEE	1730	274	1016.2	984.4	+1.4	18.0	14.1	10.7	12.9	63	+12	3.2	+0.7	0.8	0	0	11	01	2	0	2	0	1	0	5	20	0
NAJIBABAD	0830	270	1018.8	986.8	+0.7	10.9	10.1	9.2	11.6	89	+ 2	2.9	+1.1	3.1	0	0	22	03	3	5	2	2	0	0	7	9	0
	1730	270	1016.3	984.9	+0.2	18.2	14.8	12.0	14.0	68	+10	2.4	+0.9	3.5	0	0	25	07	0	0	2	1	1	2	12	6	0
MEERUT	0830	222	1018.3	991.9	-0.6	12.2	11.1	10.1	12.3	87	+14	0.7	-0.4	3.4	0	0	22	00	1	7	1	0	0	6	7	9	0
BAREILLY	0830	173	1018.4	997.8	+0.5	13.2	12.2	11.3	13.4	88	+ 9	2.4	+0.7	4.7	0	0	26	03	3	3	1	0	1	9	6	5	0
	1730	173	1015.1	994.9	+0.5	19.1	15.5	12.6	14.6	66	+12	2.7	+0.8	1.8	0	0	20	02	0	1	0	0	5	11	1	11	0
BAREILLY P.B.O.	0230	172	1016.3	995.8	..	13.9	12.0	10.7	12.9	81	..	2.0	..	3.9	0	1	18	01	2	1	2	0	1	5	7	12	0
	0530	172	1016.2	995.7	..	13.0	11.6	10.5	12.7	85	..	2.2	..	3.0	0	0	17	01	2	5	1	0	0	3	5	14	0
	1130	172	1018.2	998.0	..	18.3	14.8	12.4	14.4	69	..	3.3	..	6.1	0	0	24	00	2	5	3	0	0	3	11	7	0
	1430	172	1015.4	995.4	..	20.4	15.2	11.7	13.7	59	..	3.4	..	6.0	0	0	27	00	3	1	5	0	0	6	12	4	0
	2030	172	1016.6	996.3	..	16.1	13.7	12.0	14.0	77	..	1.8	..	3.0	0	0	16	00	1	2	1	0	0	10	2	15	0
	2330	172	1017.0	996.6	..	14.6	12.7	11.2	13.3	80	..	1.6	..	2.3	0	0	15	01	2	1	2	0	4	3	2	16	0
ALIGARH	0830	187	1019.2	996.5	+0.8	12.9	11.8	10.6	12.8	86	+17	3.2	+1.6	3.0	0	0	22	03	1	9	0	1	0	5	3	9	0
	1730	187	1016.4	994.0	+0.7	18.6	15.3	12.7	14.7	70	+24	3.8	+1.9	2.3	0	0	24	08	0	8	0	0	0	7	1	7	0
MAINPURI	0830	157	1018.3	999.6	+0.3	13.8	12.7	11.7	13.7	87	+12	3.5	+2.0	2.1	0	0	20	00	0	12	1	0	0	7	0	11	0
	1730	157	1015.3	997.0	+0.4	18.8	15.8	13.5	15.5	72	+20	3.1	+1.3	1.2	0	0	12	00	0	7	0	0	0	5	0	19	0
AGRA	0830	169	1018.8	998.7	+0.3	14.0	12.7	11.4	13.6	84	+16	3.6	+2.3	1.2	0	0	12	00	5	0	1	0	2	0	4	19	0
	1730	169	1015.8	996.1	+0.4	19.0	16.7	15.0	17.0	77	+37	4.1	+2.6	3.0	0	0	20	00	9	1	1	0	2	0	7	11	0
AGRA AERODROME	0230	169	1016.6	996.6	..	12.9	11.8	10.7	12.9	87	..	2.6	..	2.5	0	0	9	04	0	0	3	1	0	0	1	22	0
	0530	169	1016.7	996.7	..	12.3	11.4	10.5	12.7	90	..	2.5	..	4.3	0	0	13	01	0	2	4	2	0	1	3	18	0
	0830	169	1018.8	998.7	..	13.6	12.6	11.6	13.7	89	..	3.9	..	4.5	0	1	14	03	1	3	4	2	0	0	2	16	0
	1130	169	1018.5	998.8	..	19.1	15.2	12.0	14.0	65	..	4.5	..	8.2	0	1	23	04	1	4	6	3	0	2	4	7	0
	1730	169	1015.8	996.0	..	19.3	15.6	13.0	15.0	70	..	3.5	..	7.5	0	0	25	07	1	8	5	1	0	2	1	6	0
	2330	169	1017.4	997.4	..	13.9	12.6	11.4	13.5	85	..	2.4	..	3.4	0	0	11	02	1	2	2	2	0	1	1	20	0
ORAI	0830	141	1019.5	1002.9	+0.4	18.2	16.1	14.4	16.4	80	+17	4.0	+2.7	2.9	0	0	31	09	13	0	0	0	0	0	9	0	0
	1730	141	1015.9	999.5	+0.3	20.9	17.9	15.8	17.9	73	+25	3.8	+2.8	2.0	0	0	30	10	9	1	0	0	0	1	9	1	0
JHANSI	0830	251	1019.6	990.1	+1.1	16.1	14.7	13.6	15.6	83	+22	2.9	+1.6	2.9	0	0	9	01	0	4	0	0	0	4	0	22	0
	1730	251	1015.3	986.4	+0.5	20.8	17.1	14.5	16.5	69	+30	4.2	+2.7	2.9	0	0	17	01	0	6	0	2	0	8	0	14	0
HARYANA(INCLUDING DELHI AND																											
CHANDIGARH	0830	347	1018.1	976.5	+0.6	12.9	11.0	8.9	11.4	76	+ 9	2.3	+0.8	2.1	0	0	14	00	1	0	4	0	0	0	9	17	0
	1730	347	1015.2	974.3	-0.6	19.1	13.5	10.1	12.3	61	+11	2.9	+1.4	2.1	0	0	13	00	0	0	6	0	4	0	3	18	0
AMBALA	0830	272	1018.4	986.2	+0.9	11.4	10.5	9.4	11.8	88	+10	1.7	+0.2	2.1	0	0	22	00	8	0	5	0	0	0	9	9	0
	1730	272	1016.2	983.6	+0.3	17.6	14.5	12.0	14.0	71	+23	2.1	+0.1	2.1	0	0	16	00	4	0	8	0	0	0	4	15	0
AMBALA P.B.O.	0230	278	1016.7	983.7	..	12.8	11.2	9.9	12.2	82	..	2.6	..	4.0	0	1	9	00	0	1	3	0	0	2	4	21	0
	0530	278	1016.4	983.4	..	11.9	10.4	9.1	11.5	83	..	2.0	..	3.1	0	3	3	00	0	1	3	0	0	0	2	25	0
	1130	278	1018.0	985.6	..	17.8	14.0	11.4	13.5	67	..	3.8	..	5.3	0	2	16	00	0	1	9	1	0	1	6	13	0
	1430	278	1015.9	983.6	..	19.1	14.3	10.9	13.0	60	..	4.3	..	7.9	0	2	26	01	3	0	12	0	1	4	7	3	0
	2030	278	1016.7	984.2	..	15.3	12.9	11.2	13.3	77	..	2.3	..	4.5	0	0	16	00	0	2	3	0	0	1	10	15	0
	2330	278	1017.1	984.3	..	14.0	12.2	10.6	12.8	80	..	2.1	..	5.1	0	1	18	00	0	1	4	0	0	4	10	12	0
AMBALA AERODROME	0530	274	1016.8	983.9	..	9.1	8.6	7.9	10.7	92	..	2.4	..	5.0	0	3	8	00	0	2	4	0	0	3	1	20	1
	0830	274	1018.4	985.6	..	10.5	9.7	8.8	11.3	90	..	3.4	..	6.5	0	4	13	00	0	3	5	1	0	1	7	14	0
	1130	274	1018.0	986.0	..	17.8	14.0	10.7	12.9	65	..	3.6	..	12.6	0	6	21	01	0	5	6	2	0	4	9	4	0
	1730	274	1015.4	983.5	..	17.1	14.0	11.4	13.5	70	..	3.8	..	8.8	0	4	17	00	0	1	5	0	1	7	7	10	0
	2330	274	1017.6	984.9	..	11.1	10.4	9.7	12.0	91	..	2.4	..	6.6	0	3	9	01	0	1	3	0	1	2	4	19	0
KARNAL	0830	249	1018.3	988.8	+0.5	13.5	11.7	10.0	12.3	80	+ 1	2.2	+0.3	5.9	0	0	28	04	1	8	2	0	0	8	5	3	0
	1730	249	1015.3	986.3	-0.2	18.0	14.3	11.1	13.2	66	+19	2.0	-0.1	3.7	0	0	22	01	0	4	3	1	1	8	4	9	0
HISSAR	0530	221	1017.0	990.5	..	9.8	9.4	9.0	11.5	92	..	2.1	..	3.7	0	0	22	02	3	4	3	1	0	6	3	9	0
	0830	221	1018.8	992.2	+0.0	10.0	9.6	9.2	11.6	95	+23	3.9	+2.3	3.2	0	1	21	01	3	7	5	1	2	2	1	9	0
	1130	221	1018.6	992.7	..	17.3	14.4	12.1	14.1	73	..	3.7	..	5.1	0	1	28	01	1	6	9	2	1	5	4	2	0
	1430	221	1016.1	990.4	..	19.9	15.9	12.7	14.7	65	..	4.0	..	6.4	0	2	26	01	1	5	7	1	2	6	5	3	0
	1730	221	1016.1	990.3	+0.4	18.3	15.6	13.5	15.5	75	+32	3.6	+1.8	3.5	0	1	24	03	2	5	3	0	1	4	7	6	0
	2330	221	1017.7	991.3	..	11.8	11.3	10.7	12.9	93	..	1.8	..	3.7	0	0	21	01	0	5	5	2	0	6	2	10	0
NEW DELHI/SAFDARJUNG	0230	216	1016.8	991.1	..	12.4	11.4	10.4	12.6	88	..	2.9	..	3.2	0	0	20	00	2	5	2	0	1	6	4	11	0
	0530	216	1016.8	990.9	..	11.4	10.5	9.6	11.9	89	..	3.2	..	3.1	0	0	18	01	0	6	2	0	2	5	2	13	0
	0830	216	1018.7	992.8	+0.5	12.6	11.1	9.9	12.2	85	+22	4.2	+2.1	5.3	0	0	23	00	0	7	1	1	1	8	5	8	0
	1130	216	1018.5	993.2	..	18.1	14.1	10.5	12.7	63	..	4.2	..	9.9	0	2	28	02	1	6	6	0	1	9	5	1	0
	1430	216	1015.8	990.7	..	19.8	14.8	10.3	12.5	56	..	4.5	..	11.0	0	3	28	02	1	5	6	0	0	4	13	0	0
	1730	216	1015.7	990.5	+0.7	18.4	14.6	11.3	13.4	65	+27	3.9	+1.6	5.2	0	0	26	01	1	4	4	0	1	6	9	5	0
	2030	216	1017.0	991.5	..	14.8	13.2	11.7	13.7	82	..	2.6	..	3.4	0	0	20	00	2	3	2	0	1	5	7	11	0
	2330	216	1017.4	991.7	..	13.3	12.1	10.9	13.0	86	..	2.2	..	3.8	0	0	20	00	1	4	1	1	2	4	7	11	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS –

DECEMBER, 1967 AGRAHAYANA 10 – AUSA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or lat. 16 gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HARYANA (INCLUDING DELHI AND																												
PALAM AERODROME	0230	233	1017.3	989.6	..	11.8	11.0	10.2	12.4	90	..	2.5	..	7.3	0	1	24	02	1	4	6	1	3	4	4	6	0
	0530	233	1017.0	989.2	..	10.9	10.3	9.6	11.9	92	..	3.4	..	8.2	0	0	24	01	2	4	7	0	4	3	3	7	0
	0830	233	1019.0	991.1	..	11.8	10.9	10.0	12.3	89	..	4.1	..	9.5	0	2	27	00	2	4	7	1	6	5	4	2	0
	1130	233	1019.0	981.8	..	17.5	13.9	10.6	12.8	66	..	4.1	..	12.4	0	2	29	08	2	3	6	3	1	2	6	0	0
	1430	233	1016.3	989.2	..	19.5	14.6	10.3	12.5	57	..	4.3	..	13.4	0	2	29	10	2	2	7	1	0	1	8	0	0
	1730	233	1016.1	989.0	..	17.6	14.3	11.5	13.6	69	..	3.4	..	8.5	0	0	29	09	1	4	4	0	3	2	6	2	0
	2030	233	1017.3	989.8	..	14.5	12.9	11.4	13.5	82	..	2.1	..	7.7	0	2	21	05	1	4	7	1	0	1	4	8	0
	2330	233	1017.9	990.3	..	12.9	11.9	10.9	13.0	87	..	2.4	..	7.2	0	1	22	03	3	3	4	1	3	3	3	8	0
PUNJAB																												
PATHANKOT	0530	312	1017.4	980.1	..	9.6	8.9	8.1	10.8	91	..	3.7	..	5.9	0	1	12	01	8	1	0	2	0	1	0	18	0
	0830	312	1018.8	981.7	+0.5	10.9	9.6	9.0	11.5	87	+12	4.4	+1.4	4.7	0	0	17	01	5	1	4	3	1	1	0	14	1
	1130	312	1018.7	982.3	..	16.6	13.2	10.2	12.4	67	..	4.5	..	6.9	0	3	19	00	7	3	3	6	1	1	1	9	0
	1730	312	1016.2	979.7	-0.3	16.0	13.2	10.6	12.8	72	+14	4.3	+0.6	9.1	0	3	21	01	5	2	0	1	4	8	3	7	0
	2330	312	1018.2	981.0	..	10.3	9.5	8.6	11.2	89	..	3.4	..	5.6	0	2	14	00	11	3	1	1	0	0	0	15	0
AMRITSAR	0530	234	1017.3	989.2	..	9.2	8.6	8.0	10.7	92	..	3.0	..	9.1	0	0	29	03	3	6	1	1	0	9	6	2	0
	0830	234	1018.9	990.7	+0.0	9.5	8.9	8.3	10.9	92	+ 4	3.9	+1.3	9.1	0	2	25	00	4	6	3	1	3	4	6	4	0
	1130	234	1019.3	991.5	..	15.8	12.7	9.8	12.1	68	..	4.0	..	10.6	0	4	20	02	2	4	1	0	3	5	7	7	0
	1430	234	1016.6	989.3	..	18.1	13.5	9.1	11.5	58	..	4.1	..	11.9	0	5	20	02	0	4	2	0	4	6	7	6	0
	1730	234	1016.3	988.8	+0.0	16.1	13.3	10.8	12.9	71	+17	4.0	+1.2	9.6	0	2	25	00	4	6	3	1	3	4	6	4	0
	2030	234	1017.5	989.7	..	12.5	11.4	10.3	12.5	86	..	3.4	..	10.6	0	2	24	04	2	1	1	2	1	7	8	5	0
ADAMPUR AERODROME	0830	249	1018.9	989.0	..	9.8	8.5	7.0	10.0	84	..	3.9	..	3.4	0	1	10	01	3	5	0	0	0	0	2	20	0
	1730	249	1016.6	987.5	..	15.8	12.4	9.2	11.6	65	..	4.0	..	9.4	0	2	20	01	0	2	3	0	0	3	13	9	0
LUDHIANA	0830	247	1018.9	989.4	+0.6	11.1	10.4	9.7	12.0	91	+12	3.0	+0.9	1.7	0	0	14	00	0	1	6	0	0	0	7	17	0
	1730	247	1015.9	987.1	+0.2	17.3	13.9	11.0	13.1	67	+17	3.5	+1.2	3.9	0	2	13	00	0	0	5	0	3	1	6	16	0
FEROZEPUR	0830	200	1019.3	995.2	+0.8	10.3	9.8	9.3	11.7	94	+ 5	2.8	+1.0	0.8	0	0	10	04	1	0	1	0	0	0	4	21	0
	1730	200	1017.6	994.0	+1.7	16.5	13.6	11.0	13.1	71	+12	2.8	+0.7	1.8	0	0	14	04	3	0	2	0	0	0	5	17	0
HALWARA AERODROME	0530	242	1017.3	988.3	..	7.8	7.5	7.1	10.1	95	..	2.5	..	4.8	0	1	12	02	0	2	6	0	0	1	2	18	0
	0830	242	1018.6	989.8	..	10.0	9.4	8.6	11.2	93	..	3.1	..	6.2	0	2	14	01	2	0	5	1	0	2	5	15	0
	1130	242	1018.3	990.3	..	17.4	13.3	9.6	11.9	62	..	3.9	..	13.9	0	3	28	04	3	0	7	2	3	3	9	0	0
	1730	242	1016.1	987.8	..	16.1	12.9	10.0	12.3	68	..	3.8	..	11.3	0	3	23	04	0	0	5	2	1	4	10	5	0
	2330	242	1018.1	988.7	..	9.5	8.9	8.3	10.9	92	..	2.7	..	6.0	0	1	18	02	0	2	2	2	0	2	9	12	0
PATIALA	0830	251	1018.7	988.8	+0.4	10.7	10.1	9.6	11.9	93	+15	3.0	+0.5	3.9	0	3	8	00	0	0	5	0	0	0	6	20	0
	1730	251	1015.8	986.2	-0.3	17.2	13.9	10.8	12.9	67	+14	4.0	+1.2	4.3	0	2	13	03	0	0	6	0	0	0	6	16	0
BHATINDA	0830	211	1018.5	993.3	..	12.1	10.8	9.5	11.9	84	+16	1.6	+0.6	0.9	0	0	8	00	0	0	6	0	1	0	1	23	0
	1730	211	1016.3	991.3	..	16.8	14.4	12.5	14.5	76	+25	1.1	-0.2	1.5	0	0	11	00	0	0	9	0	0	0	2	20	0
HIMACHAL PRADESH																												
MANDI	0830	761	1020.9	931.9	+0.7	7.4	6.1	5.5	9.0	83	-12	3.2	-1.6	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	761	1015.9	929.5	+1.1	15.6	13.7	12.8	14.7	87	+24	4.0	+0.7	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BILASPUR	0830	587	1019.8	950.9	-1.1	9.4	8.8	8.2	10.9	92	- 3	6.2	+0.3	1.1	0	0	15	00	2	0	5	2	0	1	5	16	0
	1730	587	1015.7	948.7	-0.3	16.6	12.5	9.0	11.5	62	+ 4	4.2	+0.5	2.7	0	0	27	00	12	3	5	2	3	1	1	4	0
JAMMU AND KASHMIR																												
MISGAR	0830		(R)																								
	1730		(R)																								
GILGIT	0830		(R)																								
	1730		(R)																								
SKARDU	0830		(R)																								
	1730		(R)																								
LEH	0530	3514	3124.5	665.8	..	-12.1	-13.8	-21.1	0.9	47	..	4.7	..	4.5	0	0	21	05	15	0	0	0	1	0	0	9	0
	0830	3514	3124.6	666.2	-0.7	- 8.3	-10.4	-15.4	1.6	54	+ 0	4.6	+0.2	3.0	0	0	15	04	3	0	0	6	2	0	0	15	0
	1730	3514	3093.6	664.4	-0.7	- 2.3	- 5.0	-10.0	2.5	56	+14	4.5	+0.3	4.1	0	0	23	01	0	0	0	12	10	0	0	7	0
SRINAGAR	0230	1587	1548.7	846.2	..	1.4	0.7	0.1	6.1	92	..	6.5	..	1.0	0	0	10	00	0	0	6	0	0	0	4	21	0
	0530	1587	1546.4	845.9	..	1.1	0.6	- 0.1	6.1	93	..	7.0	..	1.7	0	0	18	00	1	0	11	0	0	0	6	13	0
	0830	1587	1556.4	847.0	+0.6	1.2	0.6	- 0.1	6.0	92	+ 4	7.1	+1.9	1.8	0	0	22	00	0	0	14	0	0	0	8	9	0
	1130	1587	1563.2	847.7	..	3.5	2.3	0.7	6.4	81	..	8.1	..	2.1	0	0	24	00	1	0	12	0	1	1	9	7	0
	1430	1587	1546.4	846.0	..	4.7	2.9	0.5	6.3	76	..	6.9	..	2.6	0	0	29	01	1	1	13	1	1	1	10	2	0
	1730	1587	1542.6	845.6	+1.3	3.8	2.4	0.5	6.3	81	+14	6.9	+2.0	2.2	0	0	24	01	1	0	12	0	0	3	7	7	0
	2030	1587	1549.0	846.2	..	2.5	1.7	0.5	6.3	86	..	6.5	..	0.8	0	0	11	00	0	0	7	0	0	0	4	20	0
	2330	1587	1551.4	846.5	..	1.6	1.0	0.1	6.1	90	..	6.4	..	0.9	0	0	13	00	0	0	7	0	0	0	6	18	0
SRINAGAR AERODROME	0530	1666	1546.6	837.8	..	0.6	0.1	- 0.8	5.7	91	..	7.1	..	0.8	0	0	3	01	0	0	0	1	0	0	1	28	0
	0830	1666	1556.3	839.0	..	0.8	0.3	- 0.5	5.9	92	..	7.2	..	3.2	0	0	11	00	1	2	1	1	1	4	1	20	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – DECEMBER, 1967 AGRAHAYANA 10 - AUSA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD.)																											
SRINAGAR AERODROME	1130	1666	1564.0	839.8	..	2.7	1.5	0.9	6.5	83	..	7.0	..	2.2	0	0	11	00	2	1	3	0	0	3	2	20	0
	1730	1666	1540.7	837.5	..	3.1	1.9	0.4	6.3	84	..	6.5	..	1.9	0	0	5	02	0	1	1	0	0	1	0	26	0
	2330	1666	1550.8	838.3	..	0.7	0.6	- 1.8	5.3	85	..	6.0	..	1.0	0	0	4	01	0	0	1	0	0	1	1	27	0
GULMARG	0830		(R)																								
	1730		(R)																								
QAZIGUND	0830	1690	..	..	..	0.6	0.1	- 0.4	6.3	94	..	3.7	..	0.9	0	0	6	00	2	1	1	1	0	1	0	25	0
	1730	1690	..	..	..	2.9	1.8	0.4	6.3	84	..	6.4	..	1.7	0	0	11	00	1	0	1	3	3	3	0	20	0
BANIHAL	0830	1630	..	..	..	2.6	0.8	- 1.8	5.3	74	..	2.3	..	1.5	0	0	7	06	0	0	0	1	0	0	0	24	0
	1730	1630	..	..	..	6.1	3.5	0.0	6.1	68	..	2.8	..	1.2	0	0	6	05	0	0	0	0	0	1	0	25	0
JAMMU	0830	366	1016.8	973.3	..	10.7	9.1	7.4	10.3	80	+16	4.5	+1.4	7.2	0	0	29	02	25	1	1	0	0	0	0	2	0
	1730	366	1015.2	972.8	..	17.8	13.8	10.3	12.5	62	..	1.5	..	2.8	0	0	12	00	11	0	0	0	0	0	1	12	0
JAMMU AERODROME	0530	292	1017.6	982.6	..	10.5	9.2	7.9	10.7	84	..	3.0	..	5.4	0	0	19	01	18	0	0	0	0	0	0	12	0
	0830	292	1018.9	983.9	..	10.9	9.3	7.7	10.5	81	..	4.2	..	4.5	0	0	15	01	11	2	1	0	0	0	0	16	0
	1130	292	1019.1	984.7	..	16.8	12.7	8.9	11.4	61	..	4.4	..	4.9	0	1	15	02	2	2	3	3	3	0	1	15	0
	1730	292	1016.5	982.2	..	16.2	12.9	9.9	12.2	67	..	4.6	..	4.4	0	2	7	00	2	1	2	1	3	0	0	22	0
	2330	292	1018.3	983.2	..	11.5	10.2	8.8	11.3	83	..	3.3	..	5.6	0	0	18	00	14	1	3	0	0	0	0	13	0
GULMARG (RESEARCH INSTITUTE)	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
RAJASTHAN, WEST																											
GANGANAGAR	0530	177	1016.9	995.6	..	9.5	8.6	7.6	10.4	88	..	1.6	..	0.1	0	0	4	00	2	0	2	0	0	0	0	27	0
	0830	177	1018.6	997.2	+0.1	9.2	8.5	7.8	10.6	91	+16	3.2	+1.5	0.6	0	0	6	00	1	3	2	0	0	0	0	25	0
	1130	177	1018.7	997.8	..	16.0	13.0	10.2	12.4	70	..	3.9	..	0.3	0	0	23	00	4	4	7	0	3	3	2	8	0
	1730	177	1015.8	995.3	+0.2	17.8	14.0	10.7	12.9	64	+21	3.0	+1.2	0.6	0	0	5	01	0	2	1	0	1	0	0	26	0
	2330	177	1017.8	996.5	..	11.4	10.2	8.9	11.4	85	..	1.5	..	0.8	0	0	5	00	1	1	2	0	0	0	1	26	0
ANUPGARH	0830	154	1018.6	1000.1	..	10.5	9.6	8.7	11.2	89	..	1.4	..	2.8	0	7	10	02	7	4	3	0	0	1	0	12	0
	1730	154	1015.6	997.7	..	19.9	15.6	11.8	13.8	64	..	1.0	..	6.1	0	19	9	09	5	5	1	0	2	2	4	3	0
MAHAJAN	0830	187	1017.1	994.8	..	12.3	10.9	9.5	11.9	83	..	1.2	..	2.7	0	0	25	09	6	5	1	2	0	2	0	6	0
	1730	187	1014.6	992.8	..	18.4	14.5	10.8	12.9	63	..	0.5	..	3.2	0	0	28	10	8	7	1	0	0	0	2	3	0
CHURU	0830	291	1018.8	984.1	+0.0	11.2	10.5	9.7	12.0	90	+17	3.4	+1.0	2.1	0	0	14	02	2	7	2	0	1	0	0	17	0
	1730	291	1015.5	981.8	+0.1	18.9	15.0	11.7	13.4	65	+22	3.2	+0.4	6.2	0	0	28	19	4	2	1	1	0	1	0	3	0
BIKANER	0830	224	1018.3	991.5	-0.1	11.5	10.4	9.3	11.7	87	+28	3.8	+2.5	3.0	0	0	19	03	5	4	3	2	1	0	1	12	0
	1730	224	1015.0	989.0	-0.1	19.3	14.5	10.2	12.4	58	+21	3.0	+1.4	5.0	0	0	26	07	11	0	2	1	1	1	3	5	0
BIKANER P.B.O	0530	224	1016.2	989.4	..	10.4	9.6	8.7	11.2	90	..	3.3	..	1.5	0	0	7	02	3	0	1	0	1	0	0	24	0
	1130	224	1018.0	991.7	..	17.7	13.6	10.2	12.4	63	..	3.6	..	3.8	0	0	25	02	14	3	1	4	1	0	0	6	0
	1430	224	1015.5	989.3	..	20.9	14.8	9.0	11.5	49	..	2.8	..	4.1	0	1	24	06	10	2	1	2	2	1	1	6	0
	2030	224	1016.8	990.3	..	14.9	12.3	9.9	12.2	73	..	1.8	..	2.5	0	0	16	06	8	0	0	2	0	0	0	15	0
	2330	224	1017.4	990.7	..	12.8	11.0	9.2	11.6	80	..	2.5	..	2.2	0	0	14	03	9	1	0	0	1	0	0	17	0
NAGAUR	0830	298	1018.2	983.1	-0.7	14.7	12.8	10.7	12.9	77	+23	3.1	+1.2	6.8	0	1	29	07	8	7	4	1	2	0	1	1	0
	1730	298	1014.5	980.2	-0.5	20.7	15.9	11.8	13.8	59	+20	3.2	+1.2	6.1	0	0	29	08	6	2	2	1	8	0	2	2	0
PHALODI	0830	234	1017.8	989.9	-0.3	11.7	9.8	7.5	10.4	78	+19	4.0	+2.2	6.1	0	0	26	08	8	3	3	2	0	1	1	5	0
	1730	234	1015.0	988.5	+0.4	21.0	14.8	9.2	11.6	48	+ 7	2.9	+1.0	12.4	0	4	26	12	5	1	1	1	0	5	5	1	0
JAISALMER	0830	242	1017.3	988.5	-0.8	11.7	10.3	8.8	11.3	83	+27	2.3	+1.0	5.2	0	0	25	12	9	0	0	2	2	0	0	6	0
	1730	242	1013.5	986.0	-0.8	20.7	15.0	9.9	12.2	52	+11	2.0	+0.3	11.8	0	3	28	11	9	0	0	2	1	4	4	0	0
JODHPUR	0230	224	1015.2	988.8	..	15.6	12.5	9.5	11.9	66	..	2.1	..	14.6	0	2	29	03	23	3	0	0	1	1	0	0	0
	0530	224	1015.1	988.6	..	14.3	11.8	9.5	11.9	73	..	2.4	..	13.9	0	1	30	02	25	1	1	0	1	0	1	0	0
	0830	224	1016.9	990.4	-1.0	14.6	12.3	10.1	12.3	75	+27	3.7	+2.0	12.8	0	2	29	08	22	3	1	1	0	1	0	0	0
	1130	224	1016.8	990.8	..	21.7	16.0	11.4	13.5	53	..	3.1	..	13.2	0	2	26	00	12	6	5	2	1	1	0	3	1
	1430	224	1013.7	988.2	..	24.7	16.7	10.3	12.5	41	..	3.8	..	14.6	0	5	25	01	11	4	5	0	3	2	4	1	0
	1730	224	1013.5	987.8	-0.8	23.3	16.0	9.8	12.1	44	+18	3.3	+1.4	13.2	0	1	30	04	14	4	1	1	3	1	3	0	0
	2030	224	1015.4	989.3	..	18.8	14.3	10.3	12.5	59	..	2.5	..	13.0	0	2	29	05	18	2	0	0	1	1	4	0	0
	2330	224	1016.0	989.7	..	16.8	13.2	9.8	11.3	64	..	2.0	..	15.2	0	5	26	03	23	1	1	0	1	1	1	0	0
BARMER	0530	194	1014.6	991.6	..	14.0	11.8	9.7	12.0	76	..	2.1	..	4.3	0	1	22	02	0	0	0	0	0	1	2	4	8	14
	0830	194	1016.3	993.3	-1.1	14.0	12.0	10.1	12.3	79	+28	2.7	+1.2	3.4	0	0	24	12	0	0	0	0	1	0	11	7	0
	1130	194	1016.3	993.9	..	20.3	15.5	11.7	13.7	59	..	2.2	..	3.7	0	0	22	06	8	0	0	0	1	0	7	9	0
	1730	194	1012.8	990.7	-1.2	23.7	17.4	12.5	14.5	51	+20	2.2	+0.4	4.2	0	0	25	10	6	0	1	0	1	1	6	6	0
	2330	194	1015.4	992.6	..	16.7	13.0	9.5	11.9	67	..	1.7	..	4.5	0	0	25	09	0	0	0	0	1	2	13	6	0
ERINPURA (JAWAI DAM)	0830	295	1015.8	981.6	-1.4	15.3	13.8	12.6	14.6	85	+ 9	3.0	+0.6	1.6	0	0	11	00	1	0	3	4	3	0	0	20	0
	1730	295	1011.7	978.4	-1.9	22.2	17.5	14.1	16.0	61	+13	2.7	+0.2	2.4	0	0	24	04	4	0	2	3	7	1	3	7	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - DECEMBER, 1967 AGRAHAYANA 10 - AUSA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or lst. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN, EAST																												
PILANI	0830	301	1019.3	983.5	-0.6	11.3	10.0	8.6	11.2	84	+28	4.3	+3.3	7.6	0	3	27	01	1	7	9	5	3	2	2	1	0
	1730	301	1016.0	981.2	-0.4	18.9	14.0	9.3	11.7	56	+21	3.5	+2.4	7.6	0	2	28	09	6	5	2	1	0	0	7	1	0
SIKAR	0830	433	1018.0	967.5	+0.2	13.3	11.6	9.9	12.2	80	+ 8	1.8	+0.1	1.2	0	0	14	00	0	0	13	0	0	0	1	17	0
	1730	433	1014.0	964.6	-0.8	19.6	14.8	10.4	12.6	57	+ 3	2.1	-0.2	1.4	0	0	21	00	0	0	1	0	0	14	6	10	0
ALWAR	0830	271	1018.1	986.0	+0.2	13.2	12.3	11.5	13.6	90	+ 2	4.2	+1.7	0.4	0	0	5	00	0	1	2	0	0	1	1	26	0
	1730	271	1015.0	983.5	-0.4	18.5	15.3	12.8	14.8	70	+ 9	3.8	+1.2	1.0	0	0	12	04	3	2	2	0	0	0	1	19	0
JAIPUR (SANGANER)	0230	390	1015.8	970.2	..	14.3	12.8	11.4	13.5	83	..	2.7	..	5.2	0	1	20	01	4	14	2	0	0	0	0	10	0
	0530	390	1016.1	970.5	..	13.6	12.3	11.0	13.1	85	..	3.3	..	4.7	0	1	21	00	2	17	2	1	0	0	0	9	0
	0830	390	1017.6	972.1	-0.4	15.0	13.1	11.5	13.6	81	+25	4.5	+3.1	6.0	0	1	20	00	2	15	3	1	0	0	0	10	0
	1130	390	1017.1	972.3	..	18.9	15.1	12.2	14.2	65	..	4.4	..	8.1	0	3	23	00	1	10	11	2	1	1	0	5	0
	1430	390	1014.2	969.7	..	20.9	16.0	12.0	14.0	59	..	4.5	..	7.0	0	1	24	00	2	11	6	2	1	2	1	6	0
	1730	390	1014.1	969.4	-0.6	19.5	15.5	12.1	14.1	65	+30	4.2	+1.8	5.5	0	1	22	01	3	8	10	0	0	0	1	8	0
	2030	390	1016.0	970.8	..	16.2	14.1	12.4	14.4	79	..	3.4	..	5.7	0	1	23	01	3	16	2	2	0	0	0	7	0
	2330	390	1016.5	971.1	..	15.1	13.5	12.1	14.1	83	..	3.0	..	6.2	0	1	25	00	7	17	2	0	0	0	0	5	0
DHOLPUR	0830	176	1017.9	996.9	-0.5	13.7	12.6	11.6	13.7	88	+17	3.2	+1.0	1.1	0	0	10	00	0	6	1	0	0	2	1	21	0
	1730	176	1013.9	993.5	-1.0	19.9	15.9	12.8	14.9	65	+15	3.2	+0.8	0.7	0	0	7	01	0	5	0	0	0	1	0	24	0
AJMER	0830	486	1017.8	961.3	-0.7	13.8	12.6	11.6	13.7	87	+25	4.3	+2.7	2.9	0	0	16	01	5	3	6	1	0	0	0	15	0
	1730	486	1013.8	958.8	-0.6	20.1	15.6	12.5	14.5	63	+30	3.3	+1.4	5.4	0	0	29	01	6	8	7	2	1	2	2	2	0
TONK	0830	272	1016.8	984.8	-0.6	15.3	13.9	12.7	14.7	84	+ 7	4.5	+2.7	7.8	0	0	31	04	10	8	4	1	1	2	1	0	0
	1730	272	1013.0	981.7	-0.7	20.6	16.7	13.9	15.9	64	+ 9	3.5	+1.3	6.9	0	0	31	04	15	5	1	0	0	1	5	0	0
BHILWARA	0830	425	1017.5	967.9	..	14.6	13.4	12.4	14.4	87	..	4.3	..	5.7	0	0	27	03	16	5	1	0	1	0	1	4	0
	1730	425	1013.3	965.1	..	22.3	16.5	12.5	14.5	60	..	5.0	..	8.4	0	3	24	00	14	3	1	2	3	1	3	4	0
KOTA	0830	257	1017.2	987.1	-0.9	16.2	15.2	14.3	16.3	89	+28	5.6	+4.0	3.0	0	0	23	06	5	7	2	0	1	1	1	8	0
	1730	257	1013.5	984.2	-0.7	22.1	18.3	15.8	17.9	68	+33	3.7	+1.9	3.7	0	0	25	02	14	3	3	0	1	0	2	6	0
KOTA AERODROME	0530	274	1015.5	983.4	..	15.2	14.1	13.2	15.2	88	..	3.5	..	4.3	0	0	19	01	1	11	3	2	0	1	0	12	0
	0830	274	1017.6	985.7	..	15.9	14.5	13.3	15.3	85	..	4.5	..	4.8	0	0	23	04	4	10	2	2	0	0	1	8	0
	1130	274	1017.5	985.8	..	20.0	16.5	14.0	16.0	69	..	5.1	..	8.3	0	2	26	03	4	16	4	1	0	0	0	3	0
	1730	274	1013.9	982.5	..	22.0	17.1	13.6	15.6	61	..	3.6	..	9.3	0	4	26	04	10	13	1	2	0	0	0	1	0
	2330	274	1016.2	984.3	..	17.3	15.3	13.6	15.6	80	..	2.4	..	6.7	0	2	27	02	3	17	3	2	1	0	1	2	0
CHAMBAL (RAWAT BHATTA DAM)	0830	351	1015.5	974.9	-2.7	16.5	15.4	14.6	16.6	85	+13	3.4	+1.6	2.0	0	0	14	01	9	1	1	1	1	0	0	17	0
	1730	351	1011.7	971.9	-2.4	22.5	18.3	15.6	17.7	66	+26	3.5	+1.4	4.9	0	0	27	02	17	0	1	1	4	0	2	4	0
UDAIPUR	0230	582	1015.7	948.7	..	14.4	13.2	12.2	14.2	87	..	1.7	..	0.1	0	0	1	01	0	0	0	0	0	0	0	30	0
	0530	582	1015.5	948.3	..	13.3	12.4	11.7	13.7	90	..	1.5	..	0.1	0	0	1	01	0	0	0	0	0	0	0	30	0
	0830	582	1017.3	950.3	-1.1	14.8	13.4	12.4	14.4	86	+23	3.8	+2.3	0.7	0	0	5	02	1	1	0	0	1	0	0	26	0
	1130	582	1016.1	950.5	..	20.8	16.4	13.5	15.5	63	..	3.2	..	2.8	0	0	18	04	3	4	1	0	3	1	2	13	0
	1730	582	1012.5	947.4	-1.3	22.1	16.8	13.2	15.2	58	+18	2.9	+0.9	3.4	0	0	17	01	5	3	1	1	4	2	0	14	0
	2330	582	1016.1	949.4	..	15.7	14.1	13.0	15.0	84	..	1.6	..	0.7	0	0	4	01	0	2	0	0	1	0	0	27	0
JHALAWAR	0830	321	1017.7	980.3	+0.0	16.6	15.2	14.1	16.1	85	+20	4.5	+3.2	2.8	0	0	20	01	11	1	0	0	1	3	3	11	0
	1730	321	1013.0	976.6	-0.5	22.6	17.8	14.4	16.4	62	+28	3.6	+2.2	2.6	0	0	17	03	7	3	1	0	0	3	0	14	0
BANSWARA	0830	220	1016.4	990.8	..	18.6	17.4	16.7	19.0	90	..	1.3	..	5.9	0	0	30	05	4	12	7	1	0	1	0	1	0
	1730	220	1012.5	987.5	..	26.2	22.8	21.3	25.3	79	..	1.8	..	6.1	0	0	31	03	1	2	4	4	2	7	8	0	0
MADHYA PRADESH, WEST																												
GWALIOR	0230	207	1016.3	991.8	..	13.4	12.6	11.9	13.9	91	..	4.0	..	1.5	0	0	8	01	1	1	1	4	0	0	0	23	0
	0530	207	1016.5	991.8	..	12.8	12.0	11.3	13.4	91	..	3.0	..	2.0	0	0	12	04	1	3	2	2	0	0	0	19	0
	0830	207	1018.3	993.9	+0.1	14.9	13.4	12.1	14.1	84	+22	4.8	+3.2	2.7	0	0	16	03	1	2	3	2	1	0	4	15	0
	1130	207	1018.0	993.9	..	19.6	15.7	12.6	14.7	66	..	5.2	..	5.4	0	0	29	02	7	5	9	1	0	1	4	2	0
	1430	207	1015.0	991.2	..	21.4	16.5	12.6	14.8	60	..	4.5	..	5.8	0	0	30	08	10	5	2	1	0	0	4	1	0
	1730	207	1015.1	991.1	+0.3	19.8	16.1	13.3	15.3	68	+29	4.5	+2.6	4.7	0	0	30	06	10	7	2	0	0	0	5	1	0
	2030	207	1016.8	992.5	..	16.1	14.6	13.3	15.5	84	..	3.2	..	1.9	0	0	11	03	1	2	4	1	0	0	0	20	0
	2330	207	1017.1	992.7	..	14.3	13.3	12.5	14.5	89	..	2.7	..	1.9	0	0	10	02	1	3	2	1	0	1	0	21	0
SHEOPUR	0830	235	1017.5	989.8	-0.8	15.3	14.2	13.2	15.3	88	+18	4.9	+2.9	2.8	0	0	19	11	5	0	1	2	0	0	0	12	0
	1730	235	1013.9	987.0	-0.3	22.2	17.5	14.1	16.2	62	+20	4.3	+1.9	9.0	0	1	29	12	8	2	1	3	1	0	3	1	0
SHIVPURI	0830	464	1017.9	963.9	..	14.9	13.6	12.7	14.7	87	..	4.7	..	5.4	0	0	25	02	14	4	3	2	0	0	0	6	0
	1730	464	1014.3	961.4	..	19.4	15.8	13.2	15.4	69	..	4.3	..	6.2	0	0	29	01	6	16	3	0	1	1	1	2	0
NOWGONG	0830	229	1018.6	991.8	+0.2	16.1	15.2	14.6	16.5	91	+12	4.5	+3.0	1.3	0	0	13	00	4	6	0	0	1	0	2	18	0
	1730	229	1014.7	988.5	+0.2	22.0	17.9	15.1	17.1	67	+25	4.1	+2.6	1.1	0	0	11	00	7	1	1	0	0	0	2	20	0
GUNA	0530	478	1015.9	960.4	..	14.3	13.7	13.3	15.3	93	..	3.3	..	7.0	0	1	28	00	11	7	11	0	0	0	0	2	0
	0830	478	1017.5	962.3	-0.5	16.2	15.1	14.3	16.3	89	+23	5.0	+3.4	6.3	0	0	28	03	5	11	9	0	0	0	0	3	0
	1130	478	1016.5	962.3	..	21.5	17.7	15.3	17.5	69	..	4.4	..	8.7	0	1	30	01	9	9	7	1	2	1	1	0	0
	1430	478	1013.3	959.7	..	23.3	18.7	15.9	18.2	65	..	4.5	..	8.3	0	0	31	01	11	5	7	0	3	3	1	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS -

DECEMBER, 1967 AGRAHAYANA 10 - AUSA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH. WEST(CONTD)																											
GUNA	1730	478	1013.6	959.5	-0.4	20.9	17.3	14.9	17.1	71	+35	4.7	+3.0	6.5	0	0	30	05	11	7	3	0	0	3	1	1	0
	2330	478	1016.5	961.4	..	16.1	15.0	14.1	16.3	88	..	3.0	..	6.3	0	0	27	01	4	10	11	0	0	0	1	4	0
NIMACH	0830	496	1017.7	960.5	-0.4	16.0	14.3	13.1	15.1	83	+32	4.9	+3.1	4.1	0	0	25	00	19	2	1	2	1	0	0	6	0
	1730	496	1013.2	957.5	-0.8	22.8	16.4	11.8	14.0	51	+22	4.2	+2.0	7.8	0	2	25	01	11	5	1	0	3	6	0	4	0
RAJGARH	0830	382	1016.8	972.5	-0.9	16.4	15.5	14.8	16.9	90	+24	4.8	+3.1	4.3	0	0	26	04	7	4	8	3	0	0	0	5	0
	1730	382	1012.6	969.5	-0.9	23.4	18.7	15.6	17.7	64	+29	3.7	+1.8	6.5	0	0	30	17	2	2	4	1	0	1	3	1	0
SAGAR	0830	551	1017.3	954.1	-0.1	16.5	15.3	14.5	16.5	88	+41	4.8	+2.8	6.5	0	0	31	00	5	5	1	0	8	10	2	0	0
	1730	551	1013.3	951.4	+0.0	21.4	18.3	16.5	18.8	75	+38	4.0	+2.2	7.4	0	0	31	00	7	8	0	0	1	4	11	0	0
RATLAM	0830	486	1016.5	960.5	-1.0	16.6	15.3	14.3	16.5	87	+29	4.7	+2.7	9.7	0	1	29	01	12	13	3	1	0	0	0	1	0
	1730	486	1012.1	957.6	-1.0	23.7	18.5	15.1	17.5	61	+26	5.3	+2.9	9.7	0	3	27	01	8	9	1	1	3	5	2	1	0
BHOPAL (BAIRAGARH)	0230	523	1014.7	954.8	..	16.8	15.3	14.3	16.3	86	..	3.9	..	7.7	0	1	26	05	6	9	4	1	0	0	2	4	0
	0530	523	1014.9	954.8	..	16.1	14.9	14.0	16.1	88	..	3.8	..	5.4	0	0	22	01	9	6	6	0	0	0	0	9	0
	0830	523	1016.8	956.9	-0.8	17.6	15.8	14.5	16.6	83	+24	5.2	+3.6	7.4	0	0	28	02	5	10	11	0	0	0	0	3	0
	1130	523	1015.6	956.7	..	22.1	17.7	14.9	17.0	66	..	4.4	..	10.7	0	1	28	00	3	9	9	8	0	0	0	2	0
	1430	523	1012.4	954.0	..	24.2	17.8	13.6	15.7	54	..	5.5	..	9.5	0	1	27	03	3	4	6	5	2	1	4	3	0
	1730	523	1012.7	954.0	-0.7	22.7	17.6	14.2	16.4	62	+23	5.0	+3.3	7.2	0	0	26	04	7	5	2	3	1	1	3	5	0
	2030	523	1015.0	955.6	..	19.6	16.4	14.3	16.3	73	..	4.1	..	7.6	0	1	24	06	7	8	2	1	0	0	1	6	0
	2330	523	1015.5	955.8	..	17.9	16.0	14.8	16.7	83	..	3.7	..	7.4	0	1	25	06	7	5	7	0	1	0	0	5	0
UJJAIN	0830	489	1016.7	960.3	..	16.1	15.3	14.7	16.8	91	..	5.8	..	3.5	0	0	16	00	6	7	2	1	0	0	0	15	0
	1730	489	1012.6	957.6	..	22.9	18.7	16.2	18.5	68	..	4.7	..	6.6	0	3	19	02	3	5	2	1	2	4	3	9	0
NARSINGHPUR	0830	356	1017.5	976.1	..	16.9	16.1	15.4	17.6	91	..	4.7	..	3.5	0	0	27	04	20	3	0	0	0	0	0	4	0
	1730	356	1013.1	972.9	..	23.5	19.2	16.5	18.8	67	..	4.5	..	1.4	0	0	18	01	14	0	1	0	0	1	1	13	0
HOSHANGABAD	0830	302	1016.8	981.9	-0.5	19.0	17.0	15.6	17.7	82	+20	4.6	+2.9	2.3	0	0	31	00	0	1	0	0	30	0	0	0	0
	1730	302	1012.7	978.7	-0.1	24.8	19.2	15.5	17.7	56	+19	3.4	+1.4	2.6	0	0	31	00	5	0	13	0	12	1	0	0	0
INDORE	0530	567	1014.6	949.6	..	15.6	14.2	13.1	15.2	86	..	3.3	..	5.5	0	1	19	01	5	7	0	3	3	0	0	11	1
	0830	567	1016.3	951.6	-0.5	17.5	15.5	14.0	16.2	81	+24	4.1	+2.6	7.4	0	1	26	01	2	14	1	7	1	1	0	4	0
	1130	567	1015.1	951.5	..	22.7	17.6	14.1	16.4	62	..	3.4	..	9.8	0	3	25	01	2	10	3	7	3	1	0	3	1
	1730	567	1012.0	948.8	-0.5	23.2	17.4	13.5	15.7	58	+26	3.8	+2.0	9.9	0	1	29	04	4	8	1	2	4	7	0	1	0
	2330	567	1015.2	950.6	..	17.5	15.1	13.5	15.5	79	..	3.0	..	8.5	0	2	25	03	10	5	1	3	0	3	2	4	0
RAJPUR (JHABUA)	0830	293	1016.4	982.5	-1.0	18.3	16.3	14.7	16.9	80	+13	4.1	+2.0	4.2	0	1	22	00	0	18	0	0	0	5	0	8	0
	1730	293	1012.0	979.1	-0.7	25.9	18.5	13.5	15.3	48	+14	3.5	+1.4	6.1	0	0	29	00	0	4	0	0	0	25	0	2	0
CHHINDWARA	0830	685	1017.2	939.3	-0.4	16.6	15.3	14.5	16.5	88	+23	3.8	+2.3	5.8	0	0	30	08	0	11	1	1	0	9	0	0	0
	1730	685	1012.8	936.7	-0.2	22.1	17.4	14.3	16.5	64	+29	4.1	+2.1	2.9	0	0	21	01	3	0	7	6	1	0	3	10	0
SEONI	0830	619	1017.3	946.8	+0.1	17.3	15.5	14.2	16.3	83	+22	4.8	+3.2	3.2	0	0	17	01	3	4	4	2	3	0	0	14	0
	1730	619	1013.1	944.1	+0.1	22.0	17.6	14.7	16.9	65	+24	4.2	+2.3	5.5	0	0	30	02	2	6	5	12	2	1	0	1	0
BETUL	0830	653	1016.5	942.6	-0.9	18.6	16.4	14.9	17.0	80	+17	3.9	+2.4	6.2	0	0	30	00	4	13	11	2	0	0	0	1	0
	1730	653	1012.1	939.6	-0.8	22.8	17.7	14.3	16.5	62	+22	4.8	+2.8	4.0	0	0	31	04	6	2	10	6	2	0	1	0	0
KHANDWA	0830	318	1016.1	979.2	-0.8	18.0	16.3	15.4	17.1	84	+26	4.3	+2.8	2.1	0	0	22	00	6	7	2	3	1	1	2	9	0
	1730	318	1011.6	975.9	-0.5	26.4	19.5	14.6	17.0	52	+20	4.9	+3.1	3.4	0	0	30	02	8	2	3	3	8	0	4	1	0
MADHYA PRADESH, EAST																											
SATNA	0530	317	1016.1	978.9	..	14.7	14.1	14.0	15.6	94	..	2.5	..	2.0	0	0	15	03	2	7	1	1	0	1	0	16	0
	0830	317	1018.3	981.3	+0.4	16.4	15.1	14.1	16.1	87	+20	4.2	+2.8	1.6	0	0	15	00	3	10	0	1	0	0	1	16	0
	1130	317	1017.6	981.1	..	20.3	17.0	14.6	16.7	72	..	4.7	..	3.3	0	0	25	01	1	13	4	0	2	3	1	6	0
	1430	317	1014.6	978.5	..	22.1	17.8	14.7	16.9	65	..	4.5	..	3.0	0	0	24	02	6	5	3	0	1	4	3	7	0
	1730	317	1014.7	978.3	-0.1	20.5	17.5	15.4	17.6	74	+28	3.4	+1.8	2.0	0	0	19	06	1	9	0	0	0	0	3	12	0
	2330	317	1016.8	979.8	..	16.0	15.4	14.7	17.0	90	..	1.5	..	1.3	0	0	15	03	2	6	1	2	0	1	0	16	0
REWA	0830	299	1017.8	982.9	..	16.1	14.9	14.0	16.0	88	..	3.8	..	1.6	0	0	16	04	4	2	0	1	2	1	2	15	0
	1730	299	1014.2	979.9	..	21.2	17.6	15.0	17.1	69	..	4.3	..	1.7	0	0	17	05	5	2	2	1	0	0	2	14	0
SIDHI	0830	272	1016.7	984.9	-1.2	16.2	15.3	14.6	16.6	91	+20	2.7	+1.8	1.1	0	0	15	02	1	6	0	6	0	0	0	16	0
	1730	272	1013.9	982.7	-0.2	21.2	18.5	16.9	19.1	77	+31	2.7	+1.4	0.3	0	0	3	00	1	2	0	0	0	0	0	28	0
UMARIA	0830	459	1018.2	965.1	+0.4	16.3	15.1	14.4	16.3	89	+21	4.5	+3.0	3.0	0	0	26	02	1	8	7	6	1	0	1	5	0
	1730	459	1014.3	962.3	+0.6	21.2	18.1	16.3	18.5	75	+26	4.6	+2.9	2.0	0	0	21	05	2	7	3	1	0	0	3	10	0
JABALPUR	0530	393	1015.4	970.0	..	16.1	15.5	15.1	17.1	94	..	3.7	..	0.4	0	0	3	00	0	0	2	1	0	0	0	28	0
	0830	393	1017.7	972.3	+0.0	17.5	16.2	15.2	17.4	87	+15	5.4	+4.0	1.1	0	0	11	00	3	1	2	3	0	1	1	20	0
	1130	393	1016.3	971.7	..	22.2	18.5	16.0	18.3	70	..	4.6	..	3.2	0	0	25	04	4	1	3	10	2	1	0	6	0
	1430	393	1013.2	969.0	..	24.3	19.1	15.7	17.8	61	..	5.4	..	4.1	0	0	27	04	5	2	1	4	4	2	5	4	0
	1730	393	1013.7	969.2	+0.2	22.3	18.6	16.2	18.4	70	+27	4.7	+3.0	2.8	0	0	21	04	8	4	1	3	1	0	0	10	0
	2030	393	1015.8	970.8	..	19.5	17.5	16.2	18.4	82	..	3.2	..	1.5	0	0	14	00	6	6	0	1	0	1	0	17	0
	2330	393	1016.0	970.9	..	18.0	16.8	15.9	18.2	88	..	3.0	..	2.0	0	0	14	00	4	2	4	2	1	0	1	17	0
JASHPURNAGAR	0830	611	1018.4	948.4	+0.0	16.0	14.7	13.8	15.8	87	+12	4.0	+3.1	2.2	0	0	13	04	3	0	1	4	1	0	0	18	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – DECEMBER, 1967 AGRAHAYANA 10 - AUSA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																											
	1730	611	1014.3	945.8	+0.3	21.1	16.9	14.1	16.2	66	+18	5.1	+3.9	7.9	0	0	31	13	12	1	1	0	2	2	0	0	0
AMBIKAPUR	0830	779	1018.0	930.1	..	16.8	14.6	12.8	15.0	78	..	3.2	..	1.0	0	0	15	04	3	0	0	1	2	0	5	16	0
	1730	779	1013.5	927.1	..	20.1	16.1	13.3	15.4	66	..	4.1	..	2.3	0	0	27	00	4	0	6	0	11	0	6	4	0
PENDRA	0530	625	1016.4	944.9	..	15.1	14.1	13.3	15.4	89	..	3.2	..	1.2	0	0	11	02	0	0	0	3	2	1	3	20	0
	0830	625	1017.8	946.9	+0.3	18.0	15.7	14.1	16.1	80	+20	3.9	+2.4	3.4	0	0	15	04	0	0	1	7	2	1	0	16	0
	1130	625	1016.2	946.2	..	21.6	17.1	14.1	16.2	64	..	3.8	..	6.0	0	0	21	04	2	1	1	6	7	0	0	10	0
	1430	625	1013.2	943.8	..	22.9	17.6	14.2	16.3	60	..	4.5	..	7.8	0	1	28	07	1	0	2	12	4	0	1	2	2
	1730	625	1014.4	944.2	+0.5	20.3	17.1	15.0	17.1	73	+26	4.7	+2.7	2.6	0	0	18	02	0	1	3	6	2	0	3	13	1
	2330	625	1016.9	945.7	..	16.6	15.2	14.0	16.3	83	..	3.0	..	2.3	0	1	13	01	0	1	3	1	2	1	5	17	0
MANDLA	0830	443	1017.8	966.7	-0.5	16.5	15.8	15.3	17.4	93	+ 9	6.1	+4.6	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	443	1013.4	963.4	-0.2	22.1	18.4	16.0	18.1	70	+25	3.9	+2.1	0.1	0	0	1	01	0	0	0	0	0	0	0	30	0
CHAMPA	0830	245	1017.7	989.2	-0.3	19.0	17.3	16.1	18.3	84	+15	4.2	+2.6	1.5	0	0	16	11	2	2	1	0	0	0	0	15	0
	1730	245	1013.8	986.0	+0.1	24.4	19.4	16.2	18.4	62	+18	5.0	+3.1	2.5	0	0	20	09	0	4	0	2	2	1	2	11	0
RAIGARH	0830	220	1017.9	992.4	+0.3	20.4	18.2	16.7	19.1	79	+15	3.8	+2.4	3.5	0	0	31	00	26	1	3	1	0	0	0	0	0
	1730	220	1013.6	988.7	+0.3	24.5	20.1	17.4	19.9	66	+25	4.4	+3.0	2.3	0	0	23	06	9	0	3	0	5	0	0	8	0
RAIPUR	0530	298	1015.5	980.9	..	17.5	16.5	15.7	17.9	90	..	3.3	..	1.4	0	0	8	01	3	2	1	1	0	0	0	23	0
	0830	298	1017.6	983.2	+0.3	19.9	17.5	15.9	18.1	79	+17	4.4	+3.1	4.2	0	0	26	03	7	4	7	2	0	0	3	5	0
	1130	298	1016.2	982.4	..	24.7	19.0	15.2	17.4	58	..	4.5	..	5.7	0	0	31	00	7	4	11	4	1	1	3	0	0
	1430	298	1013.3	979.7	..	26.1	19.2	14.4	16.6	52	..	5.3	..	5.2	0	0	28	05	7	2	2	3	1	4	4	3	0
	1730	298	1013.7	980.0	+0.4	24.3	19.0	15.5	17.6	61	+18	4.9	+3.5	2.9	0	0	18	04	8	1	2	0	0	0	3	13	0
	2030	298	1015.7	981.5	..	21.4	18.2	15.9	18.3	73	..	2.9	..	2.5	0	0	14	03	4	4	0	1	1	1	0	17	0
	2330	298	1015.8	981.5	..	19.9	17.6	15.9	18.3	79	..	3.2	..	3.2	0	0	16	04	3	7	1	0	1	0	0	15	0
KANKER	0830	402	1017.2	971.1	+0.0	19.0	17.5	16.4	18.8	85	+12	4.8	+3.2	0.3	0	0	4	01	0	0	1	0	0	0	2	27	0
	1730	402	1012.9	967.8	-0.5	24.5	19.8	16.8	19.3	65	+21	5.0	+2.8	1.1	0	0	8	03	2	0	0	0	0	3	0	23	0
JAGDALPUR	0530	553	1015.0	952.0	..	16.8	15.8	15.2	17.3	91	..	2.9	..	0.5	0	0	2	00	1	1	0	0	0	0	0	29	0
	0830	553	1016.9	954.3	+0.4	19.2	17.0	15.5	17.7	80	+ 4	4.3	+2.6	1.7	0	0	12	00	4	4	1	0	1	2	0	19	0
	1130	553	1014.5	953.2	..	24.9	18.9	15.2	17.4	56	..	3.9	..	3.5	0	0	22	02	6	6	1	3	1	2	1	9	0
	1430	553	1011.3	950.5	..	26.5	19.0	14.2	16.5	45	..	4.5	..	4.7	0	0	25	03	3	6	1	2	2	5	3	6	0
	1730	553	1012.3	951.0	+0.6	24.0	18.8	15.5	17.9	61	+11	4.5	+2.1	2.1	0	0	14	00	5	2	0	1	4	2	0	17	0
	2030	553	1014.9	952.8	..	20.9	17.9	16.0	18.3	75	..	3.0	..	0.3	0	0	2	00	2	0	0	0	0	0	0	29	0
	2330	553	1015.4	952.8	..	19.1	17.0	15.7	17.8	81	..	3.0	..	1.4	0	0	9	00	5	3	1	0	0	0	0	22	0
GUJARAT REGION (INCLUDING DAMAN)																											
DEESA	0830	136	(R)																								
	1730	136	(R)																								
RADHANPUR	0830	30	(R)																								
	1730	30	(R)																								
IDAR	0830	219	1015.8	990.4	-0.8	19.6	15.5	12.2	14.3	63	+20	2.3	+0.1	5.2	0	0	24	08	6	8	1	0	0	1	0	7	0
	1730	219	1012.2	987.5	-0.8	25.4	17.8	12.0	14.2	45	+12	2.3	+0.1	3.7	0	0	29	01	3	4	4	1	0	12	4	2	0
AHMADABAD	0230	55	1013.5	1007.0	..	18.5	15.6	13.4	15.4	73	..	1.4	..	4.5	0	0	14	00	3	5	2	1	0	0	3	17	0
	0530	55	1013.3	1006.8	..	17.5	15.1	13.1	15.3	76	..	1.6	..	4.9	0	0	18	01	4	7	0	1	0	1	3	13	1
	0830	55	1015.2	1008.7	-1.3	18.9	15.9	13.7	15.7	71	+15	2.5	+1.2	6.8	0	1	22	00	4	11	2	1	0	0	5	8	0
	1130	55	1015.6	1009.3	..	25.5	18.8	14.4	16.3	51	..	2.1	..	12.4	0	3	26	01	1	15	6	0	2	1	3	2	0
	1430	55	1012.5	1006.2	..	28.0	19.4	13.5	15.6	42	..	2.6	..	10.2	0	0	30	01	4	7	2	4	2	4	5	1	1
	1730	55	1012.2	1005.9	-1.0	26.7	18.7	13.0	15.1	44	+15	2.6	+1.2	10.4	0	1	26	06	3	4	1	2	0	3	8	4	0
	2030	55	1013.9	1007.4	..	22.3	17.4	13.8	15.9	60	..	1.3	..	4.1	0	0	15	02	1	3	1	0	1	0	6	16	1
	2330	55	1014.2	1007.8	..	19.9	16.3	13.5	15.7	68	..	1.2	..	4.6	0	0	17	04	4	4	0	0	1	1	3	14	0
DOHAD	0830	333	1015.9	977.4	-1.4	17.9	16.1	14.8	16.8	82	+25	4.0	+2.6	6.1	0	0	28	02	2	12	6	4	1	0	1	3	0
	1730	333	1011.7	974.2	-1.3	25.3	18.6	13.6	16.0	51	+24	4.1	+3.3	8.5	0	1	29	04	4	4	2	4	7	2	3	1	0
VALLABH VIDYANAGAR	0830	44	1015.1	1009.9	..	17.3	16.4	15.6	17.9	88	..	2.8	..	7.2	0	0	27	03	17	1	2	2	1	1	0	4	0
	1730	44	1011.8	1006.8	..	27.5	20.5	16.1	18.4	51	..	2.4	..	6.1	0	0	30	01	12	2	2	3	0	1	9	1	0
BARODA AERODROME	0830	38	1015.3	1010.9	-1.0	19.6	17.9	16.8	19.1	84	+26	3.7	+2.2	6.5	0	1	19	07	7	2	3	1	0	0	0	11	0
	1130	38	1015.1	1010.8	..	26.4	21.5	18.8	21.6	64	..	3.3	..	8.3	0	2	25	04	8	7	3	2	2	1	0	4	0
	1730	38	1011.9	1007.6	-0.9	27.4	21.9	18.9	21.8	60	+28	3.5	+2.0	6.5	0	2	23	01	4	0	0	2	3	3	12	6	0
BARODA	0530	34	1013.2	1009.1	..	18.5	16.8	15.6	17.8	84	..	1.1	..	1.8	0	0	14	01	8	1	2	0	1	1	0	17	0
	0830	34	1015.3	1011.1	-1.2	19.4	17.3	15.9	18.1	80	+ 7	2.8	+1.7	2.9	0	0	21	01	14	2	2	1	0	1	0	10	0
	1130	34	1015.5	1011.5	..	26.8	20.7	16.9	19.5	56	..	2.6	..	3.5	0	0	29	01	18	1	1	0	5	2	1	2	0
	1730	34	1011.7	1007.8	-0.9	27.9	20.6	16.0	18.3	50	+ 7	2.1	+1.1	2.4	0	0	20	00	7	0	1	0	2	1	9	11	0
	2330	34	1014.1	1010.0	..	21.5	18.2	15.8	18.3	71	..	1.5	..	2.2	0	0	18	01	8	1	1	0	3	0	4	13	0
BROACH	0830		..	..	..	..	..	..	..	..	..	3.1	+1.9	6.3	0	0	31	04	11	3	10	1	0	0	2	0	0
	1730		..	..	..	..	..	..	..	..	..	3.6	+2.5	6.1	0	0	31	05	11	4	5	0	0	2	4	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – DECEMBER, 1967 AGRAHAYANA 10 – AUSA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GUJARAT REGION (INCLUDING DAMAN,																											
SURAT	0530	12	1012.8	1011.4	..	19.4	17.5	16.1	18.5	81	..	1.6	..	7.5	0	1	30	00	23	0	6	0	0	0	2	0	0
	0830	12	1014.9	1013.5	-0.9	19.8	17.7	16.3	18.5	80	+19	2.6	+1.0	6.4	0	0	31	00	18	0	7	0	0	0	6	0	0
	1130	12	1015.2	1013.9	..	26.8	20.8	17.1	19.6	57	..	2.7	..	9.9	0	3	28	00	18	0	6	0	2	0	5	0	0
	1730	12	1011.9	1010.5	-0.4	27.9	21.7	18.0	20.9	56	+15	2.6	+1.0	8.3	0	1	30	00	7	0	1	0	6	0	17	0	0
	2330	12	1013.8	1012.4	..	21.8	19.2	17.6	20.1	77	..	1.4	..	7.2	0	0	30	00	23	0	4	0	1	0	2	1	0
SAURASHTRA AND KUTCH (INCLUDING DIU																											
NALIYA	0830	21	1016.0	1013.4	-1.0	14.3	12.8	11.5	13.6	84	+19	1.6	-0.5	8.9	0	4	26	15	10	2	1	0	0	0	2	1	0
	1730	21	1013.2	1010.7	-0.8	24.1	17.8	12.9	15.3	51	+21	1.9	-0.2	10.8	0	2	29	10	10	0	0	1	6	4	0	0	0
BHUJ (RUDRAMATA)	0230	80	1014.3	1004.8	..	16.3	14.2	12.2	14.5	78	..	1.2	..	5.7	0	1	10	07	3	0	0	0	1	0	0	20	0
	0530	80	1014.4	1004.8	..	14.8	13.2	11.8	13.9	83	..	0.9	..	5.4	0	2	8	08	1	0	0	0	1	0	0	21	0
	0830	80	1016.1	1006.6	-1.2	15.8	13.8	11.9	14.2	78	+22	1.5	+0.3	3.5	0	3	4	05	1	0	0	0	1	0	0	24	0
	1130	80	1016.4	1007.0	..	21.5	16.5	12.5	14.7	58	..	1.5	..	15.3	0	10	15	06	12	1	0	1	1	1	3	6	0
	1430	80	1013.5	1004.3	..	24.6	17.5	11.9	14.3	47	..	1.7	..	16.0	0	13	12	07	11	1	0	0	1	2	3	6	0
	1730	80	1013.0	1003.7	-0.8	24.5	17.1	11.1	13.6	45	+20	2.0	+0.9	17.0	0	13	15	17	8	0	0	0	1	0	2	3	0
	2330	80	1014.7	1005.3	..	20.6	16.0	12.3	14.5	61	..	1.2	..	8.6	0	4	16	11	6	0	0	0	1	0	2	11	0
	2330	80	1015.1	1005.7	..	18.2	15.1	12.5	14.7	71	..	0.9	..	8.7	0	4	12	13	0	0	0	0	1	1	1	15	0
KANDLA AERODROME	0830	35	1016.2	1012.0	..	16.8	13.5	10.5	12.9	67	..	1.5	..	13.9	0	6	23	15	1	0	0	0	1	1	11	2	0
	1130	35	1016.4	1012.3	..	24.1	16.9	10.9	13.4	45	..	1.3	..	19.8	0	18	13	21	0	0	1	1	3	1	4	0	0
	1730	35	1012.8	1008.8	..	25.3	17.5	11.2	13.7	43	..	1.6	..	19.9	0	13	18	20	0	0	1	1	4	0	5	0	0
NEW KANDLA	0830	14	1016.3	1014.6	-0.8	17.7	14.0	10.6	13.0	64	+ 7	2.3	+0.1	10.6	0	0	31	20	6	0	0	1	0	1	3	0	0
	1730	14	1013.3	1011.7	-0.7	25.0	18.2	13.2	15.4	49	+ 9	2.4	-0.1	14.0	0	5	26	13	8	1	1	1	3	3	1	0	0
MANDVI	0830	9	1016.1	1015.0	-0.8	17.6	13.7	10.3	12.5	65	+ 1	2.6	+0.8	12.9	0	3	25	12	13	0	0	0	0	0	3	3	0
	1730	9	1013.2	1012.1	-0.8	24.3	17.9	13.3	15.3	52	-11	2.3	+0.0	12.5	0	4	27	12	3	0	0	1	5	10	0	0	0
SURENDRANAGAR	0830	74	1015.7	1007.0	-0.8	19.4	16.0	13.3	15.5	69	+16	2.0	+0.6	8.3	0	0	27	10	8	0	0	1	0	1	7	4	0
	1730	74	1011.9	1003.5	-1.0	27.0	18.6	12.6	14.6	42	+11	3.3	+1.6	11.1	0	3	26	13	3	3	1	1	0	3	5	2	0
OKHA	0530	7	1014.0	1013.2	..	21.1	16.9	13.7	15.9	64	..	1.0	..	24.4	0	21	10	11	12	2	1	0	1	1	3	0	0
	0830	7	1015.9	1015.1	..	21.5	17.1	14.0	15.9	64	..	2.0	..	20.6	0	18	12	06	11	6	2	0	1	1	3	1	0
	1130	7	1016.7	1015.9	..	22.8	17.8	14.2	16.3	59	..	1.5	..	18.5	0	12	19	08	8	10	1	0	0	1	3	0	0
	1730	7	1013.5	1012.7	..	23.7	18.8	15.3	17.7	61	..	1.5	..	17.5	0	12	19	06	4	1	0	0	1	1	18	0	0
	2330	7	1015.3	1014.5	..	22.1	17.5	14.1	16.3	61	..	0.9	..	25.3	0	20	10	19	4	0	0	0	3	2	2	1	0
JAMNAGAR AERODROME	0530	20	1013.4	1011.0	..	16.7	14.8	13.3	15.3	81	..	0.7	..	9.2	0	5	13	03	12	0	0	0	1	0	2	13	0
	0830	20	1015.4	1013.0	-1.2	17.5	15.1	13.3	15.3	77	+17	1.5	-0.2	9.2	0	4	18	04	14	1	0	0	0	1	1	9	1
	1130	20	1015.8	1013.5	..	22.8	17.5	13.6	15.7	57	..	1.4	..	17.5	0	13	18	07	17	4	0	0	1	0	2	0	0
	1730	20	1012.5	1010.2	-0.7	24.4	17.7	12.5	14.9	49	+11	1.8	+0.1	17.6	0	9	21	07	16	0	0	0	0	3	4	1	0
	2330	20	1014.6	1012.3	..	19.8	17.0	15.1	17.1	75	..	0.8	..	6.6	0	1	16	07	7	0	0	0	0	0	3	14	0
DWARKA	0830	11	1015.4	1014.1	-1.5	19.9	17.3	15.5	17.6	76	+13	2.1	+0.4	14.5	0	8	22	10	10	2	1	0	1	0	2	1	4
	1730	11	1014.1	1012.8	+0.3	24.2	19.2	15.7	18.2	60	+17	1.9	+0.6	15.2	0	8	23	12	4	0	0	0	1	4	9	0	1
RAJKOT	0530	138	1013.6	997.4	..	15.8	13.2	10.7	13.0	73	..	0.5	..	9.8	0	3	23	06	6	2	1	1	1	3	5	5	1
	0830	138	1015.6	999.4	-1.2	17.3	14.4	11.7	14.1	71	+22	0.6	-0.7	8.5	0	5	17	06	8	1	0	0	2	1	3	9	1
	1130	138	1015.3	999.6	..	24.4	17.8	12.9	15.1	50	..	0.7	..	16.7	0	13	14	05	10	3	1	0	0	3	5	4	0
	1430	138	1012.2	996.6	..	26.8	18.4	12.2	14.3	42	..	1.2	..	19.0	1	12	17	06	6	2	2	0	3	6	5	1	0
	1730	138	1012.0	996.4	-0.8	26.3	17.9	11.3	13.7	41	+16	1.1	-0.2	19.1	0	17	13	08	7	0	0	0	2	2	10	1	1
BHAUNAGAR AERODROME	0830	11	1015.3	1014.0	-1.3	19.3	16.2	13.7	15.9	71	+26	2.5	+1.2	13.1	0	6	23	01	1	2	2	1	2	5	15	2	0
	1130	11	1015.5	1014.3	..	24.8	19.5	16.0	18.3	59	..	2.4	..	15.0	0	6	24	07	12	4	3	0	1	1	2	1	0
	1730	11	1012.1	1010.9	-0.8	27.0	20.2	15.6	18.2	52	+18	2.7	+1.2	16.1	0	9	22	02	13	7	5	3	0	0	1	0	0
PORBANDER AERODROME	0830	7	1015.4	1014.6	-0.7	19.4	15.8	12.9	15.1	68	+ 6	1.6	+0.1	9.7	0	8	13	03	10	1	4	0	0	0	3	10	0
	1130	7	1015.6	1014.8	..	26.1	18.4	12.6	14.9	45	..	1.6	..	15.7	0	13	15	03	11	4	1	0	1	2	5	3	1
	1730	7	1012.4	1011.6	-0.8	25.9	18.6	13.0	15.5	47	- 2	2.0	+0.3	21.7	0	20	11	07	3	[illegible]	0	0	6	11	4	0	0
KESHOD	0830	51	1015.4	1009.4	-0.8	18.9	15.5	12.5	14.9	68	+16	1.6	+0.2	14.6	0	9	21	13	11	3	0	0	1	0	0	1	0
	1130	51	1015.5	1009.6	..	25.6	18.1	12.3	14.7	45	..	1.6	..	16.3	0	11	20	09	13	2	0	0	1	2	4	0	0
	1730	51	1011.9	1006.1	-0.6	27.3	18.4	11.5	13.9	40	+12	2.3	+1.0	16.4	0	4	27	08	5	2	0	0	3	10	3	0	0
MAHUVA	0830	9	1014.2	1013.2	..	19.8	16.7	14.3	16.5	71	..	3.3	..	1.4	0	0	20	10	3	4	2	0	0	0	1	11	0
	1730	9	1011.4	1010.4	..	27.1	21.0	17.3	20.0	56	..	3.5	..	1.9	0	0	25	02	1	5	9	5	3	0	0	6	0
VERAVAL	0230	8	1012.9	1012.0	..	19.5	16.9	15.1	17.1	76	..	1.4	..	10.3	0	4	24	13	13	0	0	0	1	1	0	3	0
	0530	8	1012.7	1011.8	..	18.5	16.2	14.4	16.5	78	..	1.0	..	11.2	0	4	27	11	19	0	0	0	0	1	0	0	0
	0830	8	1014.8	1013.9	-1.1	19.7	16.8	14.7	16.7	74	+27	2.1	+0.8	9.5	0	5	22	07	17	2	0	0	0	1	0	4	0
	1130	8	1015.0	1014.1	..	27.2	21.2	17.4	20.2	56	..	1.8	..	11.0	0	6	23	08	5	2	1	4	4	3	2	2	0
	1430	8	1012.2	1011.3	..	27.9	22.2	18.7	22.1	59	..	2.1	..	17.0	0	11	20	05	2	0	0	4	5	10	5	0	0
	1730	8	1012.0	1011.1	-0.6	26.9	21.5	18.9	22.1	67	+ 7	2.2	+1.0	19.0	0	15	16	06	1	0	0	3	4	8	9	0	0
	2030	8	1013.8	1012.9	..	23.2	19.7	17.3	20.1	71	..	1.4	..	11.0	0	6	22	14	2	0	1	1	1	2	7	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS -

DECEMBER, 1967 AGRAHAYANA 10 - AUSA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SAURASHTRA AND KUTCH (INCLUDING DIU)																											
VERAVAL	2330	8	1014.1	1013.2	..	20.8	17.8	15.6	17.9	73	..	1.1	..	7.2	0	2	22	14	6	1	0	0	2	0	1	7	0
DIU	0830	15	1015.2	1013.3	..	21.2	17.4	14.5	16.8	67	..	2.5	..	10.1	0	6	24	14	13	0	0	0	0	1	2	1	0
	1730	15	1012.6	1010.8	..	26.0	21.4	18.7	21.7	65	..	2.8	..	11.9	0	3	26	00	0	2	7	3	8	9	0	2	0
KONKAN (INCLUDING GOA)																											
DAHANU	0830	5	1013.9	1013.4	-0.8	22.0	20.0	18.7	21.7	80	+13	.	..	6.5	0	0	26	03	3	10	9	1	0	0	0	0	0
	1730	5	1011.5	1011.0	-0.5	26.1	23.2	21.7	25.9	77	+ 6	.	..	10.3	0	0	24	16	0	0	1	0	1	3	3	0	0
BOMBAY (SANTACRUZ)	0230	14	1012.1	1010.4	-1.1	21.7	20.0	18.9	22.1	85	+14	2.5	+1.2	2.2	0	0	9	02	3	2	0	0	0	0	2	22	0
	0530	14	1012.1	1010.4	..	21.3	19.6	18.6	21.4	85	..	2.5	..	3.5	0	0	15	02	9	3	0	0	0	0	1	16	0
	0830	14	1014.1	1012.4	-0.8	23.0	20.2	18.5	21.4	76	+14	4.1	+2.7	4.2	0	0	20	01	8	9	0	0	0	0	2	11	0
	1130	14	1014.0	1012.3	..	28.4	21.5	17.4	20.0	53	..	3.4	..	8.9	0	1	27	03	4	8	4	2	1	2	4	3	0
	1430	14	1011.1	1009.5	..	29.1	22.4	18.6	21.6	55	..	3.6	..	13.3	0	1	29	01	1	1	0	0	3	9	15	1	0
	1730	14	1011.2	1009.6	-0.6	27.2	22.1	19.4	22.4	65	+15	3.9	+2.4	13.7	0	7	22	03	0	0	1	0	0	5	20	2	0
	2030	14	1013.1	1011.4	..	24.5	21.6	20.0	23.5	77	..	2.3	..	7.9	0	2	21	17	0	0	0	0	0	0	11	8	0
	2330	14	1013.3	1011.6	..	23.0	20.7	19.5	22.5	81	..	2.5	..	4.6	0	0	19	06	7	3	1	0	0	0	2	12	0
BOMBAY	0830	11	1013.9	1012.7	-0.5	23.4	21.2	19.9	23.4	82	+12	3.1	+1.8	7.2	0	0	30	09	11	8	2	0	0	0	0	1	0
	1730	11	1011.2	1010.0	-0.3	26.6	22.4	20.1	23.7	69	+ 5	2.8	+1.3	12.8	0	5	26	06	0	0	1	0	0	6	18	0	0
ALIBAG	0830	7	1013.8	1013.0	-0.8	23.2	21.1	19.8	23.2	81	+13	4.2	+2.7	3.7	0	0	21	02	7	10	0	1	0	0	1	10	0
BHIRA	0830	96	1013.4	1002.3	..	21.5	20.0	19.1	22.1	87	..	3.5	..	2.5	0	1	10	02	2	1	4	1	0	0	1	20	0
	1730	96	1009.8	999.0	..	29.3	24.7	22.4	27.3	67	..	3.7	..	2.2	0	0	22	01	1	1	5	8	5	1	0	7	0
HARNAI	0830	20	1013.3	1011.0	-0.7	25.2	20.8	18.2	21.0	66	+ 9	4.0	+1.9	5.9	0	1	19	03	4	10	1	0	0	0	2	11	0
	1730	20	1010.7	1008.4	-0.5	27.6	23.0	20.7	24.3	66	- 2	3.6	+1.8	22.5	0	16	15	06	0	0	0	1	1	3	20	0	0
RATNAGIRI	0830	35	1013.5	1009.5	-0.6	23.8	20.8	19.0	22.1	75	+14	5.1	+3.1	3.4	0	0	23	01	3	10	7	0	0	0	1	8	1
	1730	35	1010.4	1006.4	-0.6	28.3	23.6	20.9	25.3	65	+ 7	4.9	+2.9	8.5	0	1	30	04	0	1	0	0	1	11	10	0	4
DEVGARH	0830	36	1012.8	1008.7	-1.3	23.9	21.2	19.7	22.9	77	+10	3.9	+1.8	6.7	0	0	31	01	9	20	0	1	0	0	0	0	0
	1730	36	1010.0	1006.0	-0.6	28.9	23.6	20.8	24.7	62	+ 2	4.0	+1.9	20.1	0	11	20	00	0	0	0	2	0	8	21	0	0
VENGURLA	0230	9	1011.7	1010.7	..	22.8	21.2	20.3	23.8	86	..	2.5	..	2.2	0	0	16	14	2	0	0	0	0	0	0	15	0
	0530	9	1011.4	1010.4	..	21.6	20.4	19.7	22.9	89	..	2.4	..	1.7	0	0	11	10	1	0	0	0	0	0	0	20	0
	0830	9	1013.6	1012.6	-0.7	24.3	21.3	19.6	22.9	76	+ 5	3.0	+1.4	1.7	0	0	12	07	1	2	2	0	0	0	0	19	0
	1130	9	1013.2	1012.2	..	31.0	22.9	18.4	21.3	48	..	3.0	..	5.5	0	0	29	02	1	6	8	1	8	1	2	2	0
	1730	9	1010.4	1009.4	-0.4	28.8	23.6	20.9	24.9	63	+ 6	3.4	+1.7	5.1	0	0	29	01	0	0	2	1	4	16	5	2	0
	2330	9	1012.6	1011.6	..	24.2	21.9	20.7	24.4	81	..	2.7	..	4.1	0	0	23	19	3	0	1	0	0	0	0	8	0
PANJIM	0530	60	1010.9	1004.0	..	22.7	20.9	19.9	23.2	85	..	3.4	..	7.9	0	0	31	01	11	18	0	1	0	0	0	0	0
	0830	60	1013.2	1006.3	..	23.5	20.9	19.4	22.7	78	..	4.0	..	7.7	0	0	29	00	13	14	2	0	0	0	0	2	0
	1130	60	1012.6	1005.9	..	30.1	21.8	16.8	19.3	46	..	4.1	..	8.2	0	0	30	02	6	10	8	1	1	2	0	1	0
	1430	60	1009.6	1002.9	..	31.2	22.8	17.9	20.9	46	..	4.6	..	15.0	0	5	26	01	1	2	0	1	15	11	0	0	0
	1730	60	1009.7	1003.0	..	28.5	22.9	19.9	23.4	60	..	4.6	..	12.3	0	3	28	02	0	0	0	2	3	12	12	0	0
	2030	60	1011.6	1004.9	..	26.3	22.6	20.6	24.4	71	..	4.1	..	7.3	0	1	27	15	2	0	0	1	1	0	9	3	0
	2330	60	1012.0	1005.2	..	24.9	21.8	20.1	23.5	75	..	3.8	..	7.4	0	0	30	10	15	3	1	0	0	0	1	1	0
MORMUGAO	0530	62	1010.6	1003.6	..	24.1	21.6	20.1	23.8	79	..	3.6	..	9.7	0	0	31	01	4	22	3	1	0	0	0	0	0
	0830	62	1012.8	1005.8	-0.9	25.7	21.7	19.5	22.7	69	+ 7	4.4	+2.2	9.6	0	1	30	00	4	24	3	0	0	0	0	0	0
	1130	62	1012.3	1005.4	..	29.2	22.4	18.6	21.6	53	..	4.5	..	8.8	0	0	30	02	8	5	1	3	2	2	7	1	0
	1730	62	1009.4	1002.5	-0.5	28.3	23.5	21.1	25.0	65	+ 5	4.9	+2.5	15.2	0	6	25	01	0	0	0	1	5	8	16	0	0
DABOLIM (NAVAL AIR STN.)	0530	52	1011.1	1005.2	..	23.0	20.8	19.5	22.8	81	..	3.1	..	..	.	..	..	00	5	14	2	1	0	0	0	9	0
	0830	52	1013.4	1007.5	..	25.5	21.2	18.7	21.6	67	..	4.0	..	..	.	..	..	00	4	11	10	0	0	0	0	6	0
	1130	52	1012.9	1007.2	..	30.0	21.9	17.2	19.6	47	..	3.7	..	..	.	..	..	00	3	5	6	5	5	4	0	1	2
	1730	52	1010.0	1004.2	..	28.6	23.1	20.2	23.8	61	..	4.6	..	..	.	..	..	08	0	0	0	1	2	6	14	0	0
	2330	52	1012.2	1006.4	..	25.5	22.4	20.8	24.4	75	..	4.1	..	..	.	..	..	05	17	3	1	0	0	0	0	5	0
MADHYA MAHARASHTRA																											
NANDURBAR	0830	206	(R)																								
	1730	206	(R)																								
JALGAON	0830	201	1015.8	992.4	-0.6	19.3	17.0	15.2	17.5	79	+16	4.1	+2.7	8.3	0	2	25	01	6	10	5	3	2	0	0	4	0
	1730	201	1011.5	988.9	-0.7	27.2	20.1	15.3	17.7	52	+21	4.2	+2.7	8.3	0	2	26	06	3	6	4	1	2	1	5	3	0
MALEGAON	0830	437	1016.0	966.0	-0.4	19.0	17.2	15.9	18.2	83	+27	.	..	2.8	0	0	17	04	2	1	2	2	1	2	3	14	0
	1730	437	1011.2	962.6	-0.2	26.6	21.7	18.6	22.0	62	+32	.	..	3.7	0	0	24	04	5	3	5	3	0	1	3	7	0
OZAR	0530	608	1013.8	944.5	-8.3	15.7	14.6	13.7	15.9	89	+59	3.0	+1.0	4.3	0	0	14	00	0	3	3	0	1	3	4	17	0
	0830	608	1015.5	946.6	..	18.0	16.2	15.1	17.1	83	..	4.5	..	5.2	0	0	19	02	2	8	5	0	0	1	1	12	0
	1130	608	1014.0	946.5	..	23.9	18.8	15.6	18.1	63	..	4.2	..	13.8	0	7	22	00	0	7	15	5	1	0	1	2	0
	1430	608	1010.4	943.5	..	26.0	19.1	14.7	17.0	54	..	5.1	..	12.6	0	5	26	00	1	8	10	3	6	2	1	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – DECEMBER, 1967 AGRAHAYANA 10 – AUSA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD.)																											
OZAR	1730	608	1010.6	943.5	..	25.2	18.8	14.6	17.0	55	..	4.4	..	11.5	0	5	23	00	1	7	6	1	5	5	2	3	1
AHMADNAGAR	0830	657	1015.7	941.6	-0.3	18.8	16.0	13.9	16.2	75	+18	4.7	+2.9	2.6	0	1	11	00	1	0	7	0	2	0	2	19	0
	1730	657	1010.4	938.4	-0.1	26.2	18.9	14.0	16.5	51	+17	4.7	+2.7	6.1	0	1	25	01	5	0	8	0	10	0	2	5	0
POONA AERODROME	0230	593	1013.0	945.9	..	18.6	16.6	15.2	17.4	81	..	2.6	..	3.7	0	1	11	00	0	5	0	0	0	4	3	19	0
	0530	593	1013.1	945.8	..	17.7	16.1	15.1	17.1	85	..	2.9	..	4.0	0	0	13	00	3	6	0	0	0	3	1	18	0
	0830	593	1014.8	947.8	..	19.4	17.0	15.3	17.6	76	..	4.5	..	6.5	0	1	16	00	6	9	0	0	0	1	1	14	0
	1130	593	1013.3	947.7	..	24.9	19.2	15.5	18.1	56	..	4.1	..	14.4	0	9	17	01	1	16	4	2	1	1	0	5	0
	1730	593	1009.7	944.5	..	26.5	19.0	14.0	16.5	49	..	4.7	..	13.5	0	7	22	02	2	11	5	0	2	6	1	2	0
	2330	593	1013.6	946.8	..	20.2	17.6	15.7	18.2	77	..	3.1	..	8.1	0	1	22	03	1	6	0	0	2	7	4	8	0
POONA	0530	559	1013.9	950.0	..	16.4	15.4	14.7	16.7	90	..	2.9	..	0.4	0	0	2	00	0	1	1	0	0	0	0	29	0
	0830	559	1015.6	952.1	-0.5	18.8	17.0	15.8	18.1	83	+20	4.7	+3.0	0.5	0	0	3	00	0	2	1	0	0	0	0	28	0
	1130	559	1013.8	957.7	..	24.9	19.3	15.9	18.3	59	..	4.1	..	4.3	0	1	19	00	1	10	5	1	1	2	0	11	0
	1430	559	1010.0	948.7	..	27.6	19.4	14.2	16.5	46	..	5.5	..	5.0	0	0	24	00	0	10	8	0	1	5	0	7	0
	1730	559	1010.3	948.6	-0.3	26.1	19.1	14.8	16.9	52	+19	5.3	+3.3	3.2	0	0	14	00	0	3	2	0	2	7	0	17	0
	2030	559	1013.3	950.6	..	21.8	18.1	15.8	18.1	70	..	2.8	..	1.6	0	0	8	00	0	1	2	0	0	4	1	23	0
	2330	559	1014.3	951.0	..	19.2	17.2	15.8	18.2	82	..	3.2	..	0.3	0	0	1	00	0	0	1	0	0	0	0	30	0
JEUR	0830	521	1015.3	956.3	-0.6	20.4	17.0	14.7	16.9	71	+12	3.6	+2.0	5.8	0	1	30	07	3	6	6	9	0	0	0	0	0
	1730	521	1010.0	952.6	-0.7	27.3	19.7	15.1	17.4	51	+16	4.5	+2.5	5.5	0	0	31	00	3	6	6	6	7	2	1	0	0
BARAMATI	0830	551	1015.4	953.0	-0.8	19.5	16.9	15.1	17.4	77	+11	3.5	+2.1	5.4	0	0	25	00	1	12	6	2	1	0	3	6	0
	1730	551	1010.5	949.9	-0.1	27.0	19.5	14.6	17.1	50	+10	3.6	+1.6	7.0	0	0	30	01	0	16	5	4	3	1	0	1	0
SHOLAPUR	0530	479	1013.1	958.9	..	20.0	16.7	14.4	16.6	70	..	3.0	..	6.6	0	0	29	00	6	5	16	1	1	0	0	2	0
	0830	479	1015.5	961.4	-0.2	21.9	18.1	15.5	18.1	67	+13	3.3	+1.5	8.7	0	0	31	00	7	0	21	2	1	0	0	0	0
	1130	479	1014.1	960.9	..	26.3	19.4	15.1	17.4	52	..	4.1	..	10.3	0	1	29	00	1	1	19	8	1	0	0	1	0
	1430	479	1010.8	958.2	..	28.8	19.5	13.4	15.9	41	..	4.3	..	7.3	0	1	30	02	4	1	20	1	3	0	0	0	0
	1730	479	1010.1	957.3	-0.3	28.2	19.2	13.2	15.7	42	+10	4.0	+1.7	6.5	0	0	31	01	6	4	11	3	6	0	0	0	0
	2330	479	1013.6	959.8	..	22.6	17.6	14.2	16.5	61	..	3.5	..	7.5	0	1	26	00	5	7	12	0	2	1	0	4	0
MIRAJ	0830	554	1015.0	952.6	-0.2	19.9	17.5	15.9	18.3	78	+13	4.2	+2.3	..	.	..	..	00	0	4	0	0	0	0	0	27	0
	1730	554	1009.4	948.9	-0.1	27.9	21.5	18.0	21.0	57	+21	4.7	+2.5	..	.	..	..	00	0	6	0	0	0	1	0	24	0
KOLHAPUR	0530	570	1012.7	948.2	..	18.0	16.1	14.8	16.9	82	..	2.8	..	4.5	0	1	16	00	3	12	0	1	0	1	0	14	0
	0830	570	1014.6	950.3	-1.0	19.9	17.2	15.3	17.6	76	+16	3.3	+1.7	4.6	0	0	19	00	6	12	1	0	0	0	0	12	0
	1130	570	1013.2	950.2	..	25.7	19.4	15.7	17.8	55	..	3.4	..	11.1	0	2	28	00	6	14	9	0	0	0	1	1	0
	1730	570	1009.2	946.8	-0.6	27.4	19.2	13.9	16.3	46	+14	4.5	+2.2	10.9	0	2	29	00	6	12	3	2	1	6	1	0	0
	2330	570	1013.0	949.2	..	21.2	17.9	15.4	18.1	72	..	3.2	..	6.7	0	1	27	00	10	13	0	0	0	5	0	3	0
MARATHWADA																											
AURANGABAD	0830	581	1016.3	950.6	-0.3	19.7	16.6	14.3	16.6	73	+18	4.8	+3.0	4.8	0	0	23	00	5	15	1	0	0	1	1	8	0
	1730	581	1011.6	947.5	+0.0	25.6	18.5	13.7	16.1	52	+19	5.6	+3.5	5.6	0	0	26	00	1	6	8	4	5	1	1	5	0
AURANGABAD (CHIKALTHAN)	0230	579	1013.8	947.9	..	17.0	14.7	12.8	15.1	78	..	3.5	..	1.5	0	1	2	00	0	2	1	0	0	0	0	28	0
	0530	579	1014.2	947.9	..	15.9	14.0	12.5	14.6	81	..	3.6	..	1.7	0	0	5	00	0	4	1	0	0	0	0	26	0
	0830	579	1015.7	950.1	-0.8	19.2	16.2	13.9	16.2	73	+18	4.6	+3.0	3.8	0	0	12	00	1	5	5	0	0	0	1	19	0
	1130	579	1014.3	949.9	..	24.4	18.4	14.5	16.7	57	..	4.6	..	13.4	0	1	29	00	3	6	13	1	4	3	0	1	0
	1430	579	1010.9	947.1	..	26.1	18.9	14.1	16.5	51	..	5.4	..	13.7	0	1	30	00	1	5	11	4	5	3	2	0	0
	1730	579	1010.9	946.9	-0.7	25.2	18.4	13.9	16.2	54	+15	4.8	+2.7	10.5	0	0	26	00	1	6	11	1	6	1	0	5	0
	2030	579	1014.0	948.6	..	19.8	16.3	13.7	16.0	70	..	3.9	..	3.0	0	0	8	02	1	2	2	0	0	0	1	23	0
	2330	579	1014.7	948.8	..	17.7	15.1	13.1	15.3	76	..	3.9	..	2.9	0	0	8	01	1	2	4	0	0	0	0	23	0
PARBHANI	0830	423	1016.3	968.0	-0.8	19.9	17.2	15.0	17.4	75	+20	4.7	+3.1	5.7	0	0	27	04	2	11	7	2	0	1	0	4	0
	1730	423	1011.6	964.5	-0.7	26.3	19.4	14.3	16.9	52	+16	5.0	+2.9	4.1	0	0	22	03	7	6	5	0	0	0	1	9	0
NANDER	0830	358	1015.8	975.0	..	21.2	18.5	16.5	19.1	73	..	4.0	..	4.3	0	0	23	00	7	1	12	3	0	0	0	8	0
	1730	358	1011.9	971.9	..	26.5	20.3	16.2	18.8	55	..	3.6	..	3.3	0	0	21	00	13	0	8	0	0	0	0	10	0
BIR	0830	519	1016.2	957.3	..	20.0	17.6	16.1	18.4	80	..	5.3	..	2.5	0	0	16	00	2	2	5	3	4	0	0	15	0
	1730	519	1011.5	954.0	..	25.2	20.4	17.7	20.5	66	..	4.5	..	2.5	0	0	22	00	14	1	6	0	0	0	1	9	0
VIDARBHA																											
GONDIA	0830	313	1017.1	981.0	-0.9	19.3	17.4	16.1	18.3	83	+15	4.2	+2.7	1.7	0	0	16	01	4	0	6	2	1	0	2	15	0
	1730	313	1013.2	977.9	-0.2	24.2	19.7	16.7	19.3	65	+25	4.5	+2.8	1.3	0	0	15	01	4	0	5	2	2	0	1	16	0
NAGPUR (SONEGAON)	0230	310	1014.5	978.6	..	17.7	16.7	16.0	18.2	90	..	3.8	..	2.3	0	0	14	07	4	1	1	0	0	0	1	17	0
	0530	310	1014.8	978.7	..	16.9	16.3	15.8	18.1	93	..	4.0	..	2.8	0	0	16	04	6	3	0	0	0	0	3	15	0
	0830	310	1017.0	981.1	-0.7	19.1	17.6	16.6	18.9	86	+22	4.9	+3.5	3.7	0	0	24	06	7	7	2	0	0	0	2	7	0
	1130	310	1015.7	980.5	..	24.4	19.8	16.9	19.4	65	..	5.1	..	4.9	0	0	26	00	6	7	8	1	2	0	2	5	0
	1430	310	1012.5	977.7	..	25.9	19.9	15.8	18.3	57	..	5.6	..	3.9	0	0	20	00	5	5	3	4	1	1	1	11	0
	1730	310	1013.0	977.9	-0.2	23.6	19.3	16.5	18.9	67	+25	4.9	+2.9	4.4	0	0	25	04	2	11	6	2	0	0	0	6	0
	2030	310	1015.2	979.5	..	20.0	18.0	16.6	19.0	82	..	3.8	..	3.7	0	0	24	02	3	10	8	0	0	0	1	7	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS -

DECEMBER, 1967 AGRAHAYANA 10 - AUSA 10, 1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA (CONTD)																											
NAGPUR (SONEGAON)	2330	310	1015.5	979.6	..	18.4	17.1	16.1	18.4	87	..	3.4	..	3.0	0	0	16	00	6	8	0	1	0	1	0	15	0
AMRAUTI	0830	370	1016.1	973.8	-0.5	20.3	17.4	15.2	17.6	74	+24	4.4	+2.9	3.7	0	0	30	03	10	12	4	1	0	0	0	1	0
	1730	370	1012.5	970.9	-0.2	24.8	18.4	13.4	16.0	54	+21	4.5	+2.3	6.0	0	0	28	03	4	5	8	3	2	1	2	3	0
AKOLA AERODROME	0530	309	1013.6	977.8	..	17.7	15.8	14.1	16.4	81	..	4.2	..	7.4	0	0	29	01	9	12	4	0	1	1	1	2	0
	0830	309	1015.6	979.9	..	19.2	16.8	14.9	17.1	79	..	5.4	..	7.5	0	0	31	01	13	10	5	1	0	0	1	0	0
	1130	309	1014.8	979.8	..	24.7	19.1	15.2	17.6	60	..	5.0	..	7.9	0	0	31	03	9	6	3	4	4	1	1	0	0
	1430	309	1011.5	976.8	..	26.8	19.6	14.5	16.9	52	..	5.9	..	7.9	0	0	31	02	6	8	4	3	5	1	2	0	0
	1730	309	1011.4	976.6	..	25.7	19.0	13.7	16.5	53	..	5.4	..	7.5	0	0	31	05	11	3	5	3	1	1	2	0	0
	2030	309	1013.4	978.1	..	22.0	17.8	14.4	16.9	66	..	4.1	..	7.7	0	2	29	00	10	13	3	4	0	1	0	0	0
	2330	309	1013.9	978.4	..	20.5	16.8	14.3	16.1	71	..	3.7	..	8.4	0	1	28	00	4	10	9	4	2	0	0	2	0
AKOLA	0830	282	1016.1	983.6	-0.4	19.3	17.5	16.1	18.5	83	+23	4.6	+3.0	2.3	0	0	26	00	15	5	5	1	0	0	0	5	0
	1730	282	1012.2	980.5	+0.4	26.4	19.7	15.0	17.5	54	+22	4.6	+2.9	2.7	0	0	28	00	14	0	5	5	1	0	3	3	0
BRAMHAPURI	0830	229	1016.8	990.2	-0.7	18.8	17.6	16.9	19.1	89	+15	4.5	+2.6	3.2	0	0	28	04	8	5	6	4	0	0	1	3	0
	1730	229	1013.1	987.2	-0.2	25.2	20.0	16.6	19.1	62	+21	4.4	+2.4	4.4	0	0	25	03	11	3	4	4	0	0	0	6	0
BULDANA	0830	650	1015.3	942.0	-0.9	19.1	16.6	14.8	17.1	79	+26	4.4	+2.9	10.1	0	2	24	01	1	0	9	10	3	1	1	5	0
	1730	650	1011.3	939.4	-0.7	24.0	18.3	14.3	16.8	60	+23	5.6	+3.8	5.1	0	0	29	00	5	3	12	2	5	0	2	2	0
YEOTMAL	0830	451	1016.3	964.9	-0.5	19.6	17.2	15.3	17.7	76	+24	5.3	+3.5	6.0	0	0	26	02	6	10	5	2	1	0	0	5	0
	1730	451	1012.1	961.6	-0.5	24.6	18.5	13.8	16.3	56	+19	4.7	+2.6	6.1	0	0	27	07	13	1	2	2	1	0	1	4	0
CHANDRAPUR	0830	193	1016.1	993.7	-1.0	19.8	18.4	17.6	20.0	88	+13	4.4	+2.8	2.9	0	0	25	03	7	5	5	4	0	0	1	6	0
	1730	193	1012.2	990.4	-0.4	26.1	20.6	17.1	19.7	60	+13	3.9	+2.1	2.8	0	0	28	04	9	10	5	0	0	0	0	3	0
PUSAD	0830	334	1017.1	978.6	..	19.3	17.3	15.9	18.1	82	..	5.1	..	1.9	0	0	20	00	5	4	2	0	2	2	5	11	0
	1730	334	1012.8	975.4	..	27.0	20.7	16.7	19.3	56	..	5.2	..	3.1	0	0	27	00	14	1	9	0	2	0	1	4	0
SIRONCHA	0830	123	1016.8	1002.5	-0.2	21.2	19.6	18.7	21.6	86	+ 8	4.0	+2.2	1.1	0	0	16	02	4	3	6	0	0	0	1	15	0
	1730	123	1012.6	998.6	-0.5	27.4	21.4	17.9	20.6	57	+10	3.4	+1.3	0.3	0	0	5	01	0	0	3	1	0	0	0	26	0
WARDHA	0830	283	1016.4	983.7	..	20.4	17.9	16.1	18.5	78	..	4.6	..	4.5	0	0	31	09	13	5	2	0	1	0	1	0	0
	1730	283	1012.5	980.4	..	24.9	19.2	15.3	17.6	59	..	5.3	..	3.6	0	0	27	03	7	7	4	2	1	1	2	4	0
BHANDARA	0830		..	..	..	20.3	18.3	17.0	19.4	83	..	.	..	1.7	0	0	21	00	11	5	5	0	0	0	0	10	0
	1730		..	..	..	25.1	20.0	16.7	19.3	62	..	.	..	1.3	0	0	17	00	8	1	5	0	2	0	0	14	1
COASTAL ANDHRA PRADESH																											
KALINGAPATAM	0830	6	1017.0	1016.3	+0.7	23.6	21.6	19.9	24.1	81	+ 1	2.8	+0.1	6.8	0	0	30	10	3	0	0	0	0	0	9	0	8
	1730	6	1013.7	1013.0	+0.6	24.8	21.9	19.8	24.0	74	+ 8	2.2	-0.5	9.3	0	0	30	20	5	0	0	1	0	0	4	0	0
VISHAKHAPATNAM	0230	3	1014.4	1014.0	..	22.1	21.0	20.3	24.0	90	..	3.4	..	4.3	0	0	22	06	3	1	1	0	1	2	8	9	0
	0530	3	1014.7	1014.3	..	21.5	20.5	19.9	23.2	91	..	3.5	..	4.1	0	0	20	08	3	2	0	0	1	0	6	11	0
	0830	3	1016.9	1016.5	+0.8	24.4	21.7	20.3	23.8	78	+ 8	4.4	+1.9	6.6	0	1	23	02	9	4	1	1	0	2	5	7	0
	1130	3	1015.8	1015.4	..	27.6	22.5	19.7	23.1	63	..	4.3	..	13.3	0	5	25	01	5	12	10	0	1	0	0	1	1
	1430	3	1013.2	1012.8	..	27.7	22.5	19.7	22.9	63	..	3.7	..	18.3	0	14	17	00	2	11	18	0	0	0	0	0	0
	1730	3	1013.8	1013.4	+0.8	25.3	22.2	20.5	24.1	75	+ 1	3.8	+1.1	16.1	0	10	21	00	2	16	13	0	0	0	0	0	0
	2030	3	1015.8	1015.4	..	23.8	21.7	20.5	24.1	82	..	3.5	..	7.2	0	2	25	03	7	13	1	1	0	0	2	4	0
	2330	3	1015.7	1015.3	..	22.7	21.3	20.4	24.1	87	..	3.2	..	4.5	0	0	20	04	1	4	1	1	0	2	7	11	0
KAKINADA	0830	8	1016.5	1015.6	+0.4	25.6	22.3	20.6	24.1	75	+ 4	3.7	+1.5	13.1	0	11	19	01	27	1	0	0	0	0	1	1	0
	1730	8	1013.1	1012.3	+0.4	26.1	22.8	20.4	25.0	71	+ 2	3.3	+1.1	16.5	0	10	21	00	16	7	7	1	0	0	0	0	0
NIDADAVOLE	0830	12	1016.8	1015.3	+0.2	23.5	21.2	19.9	23.2	81	+ 3	3.3	-0.3	3.7	0	0	31	23	6	2	0	0	0	0	0	0	0
	1730	12	1013.0	1011.6	+0.3	26.3	21.9	19.3	22.8	67	+ 9	4.0	-0.3	5.0	0	0	31	01	0	28	0	2	0	0	0	0	0
RENTACHINTALA	0830	106	1016.2	1003.9	+0.3	22.7	20.8	19.7	22.9	84	+11	3.5	+0.6	1.0	0	0	15	00	0	12	0	1	0	2	0	16	0
	1730	106	1011.7	999.5	-0.1	27.4	21.6	17.7	21.0	56	+15	3.5	+0.5	0.1	0	0	2	00	0	2	0	0	0	0	0	29	0
GANNAVARAM	0230	24	1013.5	1010.7	..	21.5	20.5	19.9	23.2	90	..	1.7	..	7.3	0	2	18	06	6	7	1	0	0	0	0	11	0
	0530	24	1013.8	1011.0	..	21.1	20.1	19.5	22.7	91	..	2.7	..	8.6	0	2	21	06	6	10	1	0	0	0	0	8	0
	0830	24	1016.2	1013.4	-0.1	24.4	21.5	19.8	23.2	76	+ 5	3.5	+1.3	16.8	0	8	22	02	5	22	1	0	0	0	0	1	0
	1130	24	1015.2	1012.4	..	27.9	22.3	19.2	22.4	60	..	4.4	..	17.8	0	13	18	00	3	24	2	2	0	0	0	0	0
	1430	24	1012.1	1009.3	..	28.9	22.2	18.4	21.3	54	..	4.5	..	16.5	0	7	24	00	0	22	6	3	0	0	0	0	0
	1730	24	1012.7	1009.9	+0.1	26.5	21.9	19.3	22.5	65	+ 9	3.5	+0.8	12.3	0	2	28	00	0	16	12	2	0	0	0	1	0
	2030	24	1014.9	1012.1	..	23.3	21.4	20.4	23.8	84	..	2.1	..	7.7	0	2	23	00	0	17	8	0	0	0	0	6	0
	2330	24	1015.0	1012.2	..	22.2	20.9	20.1	23.5	87	..	1.9	..	7.8	0	2	21	02	4	15	1	0	0	0	1	8	0
MASULIPATAM	0830	3	1016.0	1015.6	+0.1	23.5	21.8	21.2	24.7	85	+ 7	4.5	+2.0	5.0	0	0	30	02	13	13	1	0	0	0	0	1	1
	1730	3	1012.0	1011.6	-0.6	25.8	22.5	20.7	24.6	69	+ 0	4.2	+1.6	6.8	0	0	31	00	1	24	6	0	0	0	0	0	0
ONGOLE	0830	12	1015.2	1013.9	-0.8	23.3	22.2	21.6	25.9	90	+12	1.5	-1.4	1.4	0	0	21	05	13	2	0	0	0	0	1	10	0
	1730	12	1011.7	1010.4	-0.7	26.3	23.2	21.5	25.9	76	+10	1.7	-1.0	2.0	0	0	30	04	19	6	1	0	0	0	0	1	0
NELLORE	0530	20	1013.2	1010.9	..	22.1	21.5	21.2	25.2	94	..	5.7	..	0.6	0	0	5	00	3	2	0	0	0	0	0	26	0
	0830	20	1015.3	1013.0	+0.1	24.4	23.0	22.2	26.9	88	+ 4	6.0	+2.0	4.1	0	0	30	00	17	0	0	0	0	0	13	1	0
	1130	20	1014.6	1012.3	..	27.5	23.6	21.6	25.9	71	..	6.2	..	7.1	0	0	30	01	18	6	1	0	0	0	4	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS -

DECEMBER, 1967 AGRAHAYANA 10 - AUSA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL ANDHRA PRADESH (CONTD.)																											
NELLORE	1430	20	1011.9	1009.7	..	28.1	23.4	21.0	24.9	67	..	5.5	..	7.0	0	0	30	00	18	7	2	0	0	0	3	1	0
	1730	20	1012.3	1010.1	+0.2	26.3	23.1	21.5	27.6	77	+ 7	6.2	+2.2	6.8	0	0	31	00	27	1	1	0	0	0	2	0	0
	2330	20	1014.4	1012.1	..	23.5	22.5	22.0	26.4	91	..	4.6	..	1.2	0	0	8	01	3	4	0	0	0	0	0	23	0
TELANGANA																											
RAMGUNDAM	0830	156	1016.1	998.0	-0.7	21.5	20.1	18.9	22.4	82	+14	3.6	+1.8	2.7	0	0	29	01	11	3	2	12	0	0	0	2	0
	1730	156	1012.4	994.5	-0.4	28.0	21.7	17.4	20.9	54	+13	3.4	+1.4	3.7	0	0	28	01	10	4	2	10	1	0	0	3	0
NIZAMABAD	0830	381	1015.7	972.1	-0.4	21.9	18.8	16.7	19.3	73	+ 6	3.9	+2.2	0.6	0	0	6	01	0	4	0	1	0	0	0	25	0
	1730	381	1011.1	969.1	+0.1	27.7	20.3	15.0	17.8	48	+15	2.8	+0.8	0.2	0	0	3	00	3	0	0	0	0	0	0	28	0
HANAMKONDA	0830	269	1016.1	985.4	-0.2	22.0	20.1	19.0	22.0	84	+13	2.7	+0.8	1.7	0	0	27	01	1	0	5	17	3	0	0	4	0
	1730	269	1012.9	982.1	+0.0	27.0	21.1	17.6	20.2	58	+17	2.0	-0.1	1.7	0	0	27	08	4	1	11	2	1	0	0	4	0
HAKIMPET AERODROME	0530	613	1014.5	944.9	..	18.4	17.4	16.6	19.1	84	..	3.8	..	8.6	0	2	21	00	0	8	14	1	0	0	0	8	0
	0830	613	1015.5	946.6	..	20.3	18.5	17.5	20.0	82	..	5.2	..	12.0	0	3	26	00	0	7	20	2	0	0	0	2	0
	1130	613	1014.1	946.3	..	25.2	19.4	16.2	18.3	61	..	4.4	..	16.0	0	7	24	00	0	8	21	2	0	0	0	0	0
	1730	613	1011.7	944.1	..	24.8	18.8	15.4	17.3	57	..	4.1	..	10.9	0	4	25	00	0	12	15	2	0	0	0	2	0
	2330	613	1014.3	945.5	..	20.5	17.6	15.7	18.1	74	..	2.7	..	9.3	0	3	23	00	0	11	14	0	1	0	0	5	0
KHAMMAM	0830	111	1015.9	1003.0	-1.3	22.1	20.0	18.8	21.6	82	+ 3	2.9	+0.0	4.1	0	0	31	00	28	0	3	0	0	0	0	0	0
	1730	111	1011.5	999.0	-1.3	28.6	21.5	16.7	19.9	50	+ 0	3.6	+1.1	4.3	0	0	31	01	28	0	1	0	0	0	1	0	0
HYDERABAD (BEGAMPET)	0230	545	1013.7	925.5	..	19.4	17.3	16.0	18.3	82	..	2.7	..	6.8	0	2	20	00	1	6	14	1	0	0	0	9	0
	0530	545	1014.3	952.4	..	18.0	16.8	16.0	18.3	88	..	3.4	..	4.7	0	0	22	00	2	6	13	1	0	0	0	9	0
	0830	545	1016.2	954.7	+0.2	19.8	18.2	17.2	19.7	85	+14	5.2	+2.7	9.4	0	3	24	01	0	4	19	3	0	0	0	4	0
	1130	545	1013.9	953.9	..	25.3	19.3	15.6	18.1	56	..	4.6	..	14.0	0	5	26	00	0	7	20	4	0	0	0	0	0
	1730	545	1011.4	951.3	+0.3	26.0	19.0	14.6	16.8	51	+ 9	4.7	+2.2	10.0	0	2	29	00	0	12	16	3	0	0	0	0	0
	2330	545	1014.7	953.4	..	20.7	17.8	15.9	18.3	74	..	2.8	..	7.5	0	1	26	00	1	11	15	0	0	0	0	4	0
KHAMMAM	0830	112	1016.3	1003.4	+0.1	23.5	20.9	19.5	22.7	79	+ 1	4.4	+2.3	2.8	0	0	19	01	1	8	9	0	0	0	0	12	0
	1730	112	1012.0	999.4	-0.3	28.7	21.5	17.0	19.7	49	+ 5	4.7	+2.0	1.0	0	0	9	00	0	6	3	0	0	0	0	21	0
MAHBUBNAGAR	0830	505	1015.2	958.1	-0.7	21.9	18.4	16.2	18.5	73	+ 5	4.9	+2.0	10.3	0	3	24	00	2	21	3	1	0	0	0	4	0
	1730	505	1010.4	954.7	-0.7	26.8	18.7	13.6	15.7	48	+ 5	4.8	+1.9	7.7	0	0	28	00	1	19	7	1	0	0	0	3	0
RAYALASEEMA																											
KURNOOL	0830	281	1015.5	983.7	+0.2	22.8	19.1	16.8	19.1	69	-.3	3.5	+1.2	4.6	0	0	31	00	17	0	14	0	0	0	0	0	0
	1730	281	1010.7	979.4	+0.0	28.9	20.1	14.2	16.4	42	+ 5	4.5	+1.7	7.6	0	0	29	00	2	0	27	0	0	0	0	2	0
NANDYL	0830	212	1015.4	991.1	..	22.4	19.7	18.1	20.8	77	..	3.0	..	4.4	0	0	25	02	7	7	4	2	0	2	1	6	0
	1730	212	1011.0	987.3	..	27.7	20.9	16.5	19.3	52	..	3.7	..	13.1	0	2	29	01	2	16	12	0	0	0	0	0	0
ANANTAPUR	0530	350	1012.9	972.9	..	20.2	18.3	17.3	19.5	85	..	2.0	..	2.6	0	1	8	00	2	6	1	0	0	0	0	22	0
	0830	350	1014.9	975.3	-0.3	22.7	19.7	17.8	20.5	74	+ 2	3.6	+1.1	5.4	0	0	20	00	3	13	4	0	0	0	0	11	0
	1130	350	1013.5	974.4	..	26.8	20.2	16.1	18.3	53	..	4.2	..	12.5	0	2	29	00	8	18	4	1	0	0	0	0	0
	1430	350	1009.7	971.1	..	28.9	20.6	14.7	17.5	43	..	4.1	..	14.2	0	6	25	00	6	19	6	0	0	0	0	0	0
	1730	350	1010.0	971.2	-0.5	27.8	20.2	15.2	17.5	48	+ 4	4.3	+1.4	15.7	0	5	26	00	7	21	3	0	0	0	0	0	0
	2030	350	1012.7	973.4	..	24.9	19.8	16.5	19.0	60	..	2.4	..	14.2	0	5	24	00	2	24	3	0	0	0	0	2	0
	2330	350	1013.4	973.8	..	22.9	19.3	17.0	19.5	70	..	2.0	..	14.2	0	5	24	00	2	21	6	0	0	0	0	2	0
CUDDAPAH	0830	130	1015.4	1000.5	-0.2	24.0	22.0	20.9	24.9	84	+12	2.8	-0.3	1.5	0	0	11	00	0	9	2	0	0	0	0	20	0
	1730	130	1011.5	996.7	+0.0	27.0	23.1	21.1	25.0	72	+11	3.5	+0.0	4.9	0	0	29	00	0	24	5	0	0	0	0	2	0
AROGYAVARAM	0830	701	1015.1	936.9	-0.4	19.9	19.0	18.5	21.3	93	+12	5.7	+1.7	4.2	0	0	25	00	4	1	15	3	1	0	1	6	0
	1730	701	1011.7	934.0	-0.2	23.5	21.0	19.6	22.9	78	+20	6.5	+2.2	7.6	0	0	31	00	16	2	13	0	0	0	0	0	0
MADRAS STATE (INCLUDING PONDICHERRY)																											
MADRAS	0830	6	1014.6	1014.0	-0.2	25.6	23.4	22.3	26.9	82	+ 3	5.3	+1.2	5.5	0	0	27	04	6	11	2	0	1	0	3	4	0
	1730	6	1011.8	1011.1	..	26.2	23.3	22.1	26.3	77	..	5.0	..	8.1	0	1	28	02	16	10	1	0	0	0	0	2	0
MADRAS (MINAMBAKKAM)	0230	16	1012.2	1010.4	..	23.2	21.9	21.3	25.3	89	..	3.9	..	4.3	0	1	12	06	3	3	0	0	0	1	0	18	0
	0530	16	1012.5	1010.7	..	22.6	21.6	21.2	25.0	92	..	3.8	..	4.5	0	1	15	04	2	4	1	0	0	2	3	15	0
	0830	16	1014.8	1013.0	+0.1	24.7	22.8	21.8	26.3	84	+ 0	5.2	+0.6	7.6	0	0	28	10	4	3	0	2	1	0	8	3	0
	1130	16	1013.9	1012.1	..	27.4	23.2	21.0	25.0	69	..	5.9	..	13.0	0	4	25	08	11	8	0	1	0	0	1	2	0
	1430	16	1011.3	1009.6	..	27.7	23.0	20.6	24.1	66	..	5.9	..	14.4	0	5	26	06	12	11	2	0	0	0	0	0	0
	1730	16	1012.0	1010.2	+0.2	26.1	22.5	20.7	24.3	73	+ 2	5.2	+0.5	13.0	0	3	28	04	14	11	2	0	0	0	0	0	0
	2030	16	1014.0	1012.2	..	24.9	22.3	20.9	24.7	79	..	3.6	..	7.7	0	2	21	06	12	5	0	0	0	0	0	8	0
	2330	16	1013.9	1012.1	..	24.0	22.2	21.2	25.3	85	..	3.5	..	5.0	0	3	13	03	8	4	0	0	0	0	1	15	0
VELLORE	0530	214	1013.1	988.5	..	21.2	20.5	20.1	23.5	93	..	5.0	..	1.3	0	0	8	01	5	1	1	0	0	0	0	23	0
	0830	214	1015.2	990.7	+0.3	22.5	21.1	20.4	23.8	88	+ 3	5.0	+0.9	2.6	0	1	9	02	5	1	1	0	0	1	0	21	0
	1130	214	1014.2	989.9	..	26.1	21.9	19.6	22.8	68	..	5.8	..	9.4	0	3	28	02	23	2	2	2	0	0	0	0	0
	1730	214	1011.4	986.8	-0.1	26.4	21.3	18.7	21.1	64	+ 5	5.3	+1.0	10.1	0	3	26	01	22	4	1	0	1	0	0	2	0
	2330	214	1014.4	989.9	..	22.8	21.1	20.2	23.5	87	..	3.4	..	5.1	0	0	23	01	16	4	1	1	0	0	0	8	0
TAMBARAM AERODROME	0830	29	1014.3	1011.0	..	25.0	23.7	23.1	28.3	88	..	5.0	..	14.9	0	9	18	13	5	2	2	2	0	0	3	4	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - DECEMBER,1967AGRAHAYANA 10 - AUSA 10,1889 SAKA

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ADRAS STATE(INCLUDING PONDICHERRY)	1730	29	1011.7	1008.3	..	25.9	23.2	21.9	26.3	79	..	5.0	..	20.0	0	12	19	02	20	6	2	1	0	0	0	0	0
TIRUPPATTUR	0830	390	1012.5	968.4	-2.7	22.1	21.4	21.1	25.0	94	+ 3	7.0	+1.5	3.5	0	0	28	23	0	0	0	5	0	0	0	3	0
	1730	390	1008.5	965.0	-2.3	23.5	22.8	22.3	27.3	90	+28	7.2	+1.8	5.9	0	0	30	22	0	0	0	8	0	0	0	1	0
METTUR DAM R.S	0830	244	..	..	..	26.5	23.2	21.5	25.6	75	..	4.7	..	4.2	0	0	28	00	11	0	0	0	0	0	17	3	0
	1730	244	..	..	..	24.0	21.4	20.1	23.4	79	..	4.6	..	3.5	0	0	31	00	18	0	0	0	0	0	13	0	0
CUDDALURE	0530	12	1011.7	1010.0	..	23.7	22.3	21.9	26.3	93	..	4.3	..	4.6	0	2	9	02	4	0	2	0	0	0	3	20	0
	0830	12	1013.8	1012.4	-0.5	24.6	23.0	22.2	26.7	87	+ 4	4.8	+0.1	7.0	0	2	24	05	15	0	2	0	0	0	4	5	0
	1130	12	1013.4	1011.9	..	27.1	23.7	22.1	26.6	75	..	5.8	..	12.5	0	6	25	09	17	2	2	0	0	0	0	0	1
	1430	12	1010.7	1009.3	..	27.1	23.7	22.0	26.6	76	..	5.7	..	13.9	0	4	26	06	20	0	2	1	0	0	0	1	1
	1730	12	1011.2	1009.9	-0.1	26.1	23.3	21.5	26.3	78	+ 4	4.0	-0.7	9.7	0	2	28	00	26	1	3	0	0	0	0	1	0
	2330	12	1013.2	1011.8	..	24.8	23.0	22.1	26.6	82	..	4.3	..	9.0	0	1	27	08	16	1	2	0	0	0	1	3	0
KALLAKKURICHCHI	0830	127	1013.7	999.2	-1.6	24.1	22.7	22.1	26.4	90	+13	3.6	-0.1	4.6	0	0	20	06	0	0	0	0	0	0	14	11	0
	1730	127	1010.4	996.0	-0.7	26.6	23.2	22.4	25.6	79	+17	4.0	-0.2	6.9	0	1	22	01	18	3	0	0	0	0	1	8	0
SALEM	0530	278	1011.9	980.2	..	21.1	19.3	18.2	20.9	87	..	2.7	..	2.1	0	0	13	00	1	12	0	0	0	0	0	18	0
	0830	278	1013.9	982.3	-0.3	23.4	20.3	18.5	21.3	74	- 1	3.8	+0.4	2.8	0	0	14	00	2	8	4	0	0	0	0	17	0
	1130	278	1012.7	981.8	..	27.4	21.5	18.1	20.8	58	..	4.5	..	6.9	0	0	26	00	4	16	4	0	0	1	0	5	1
	1730	278	1009.9	978.5	-0.2	27.3	21.3	17.6	20.5	58	+ 6	4.7	+0.5	5.4	0	0	25	00	1	17	7	0	0	0	0	6	0
	2330	278	1012.9	981.5	..	23.5	20.5	18.7	21.7	75	..	3.2	..	7.5	0	0	29	00	0	26	3	0	0	0	0	2	0
COIMBATORE(PILAMEDU)	0530	399	1012.3	967.1	..	20.7	19.4	18.6	21.6	88	..	2.9	..	4.8	0	1	11	05	1	3	1	0	2	0	0	19	0
	0830	399	1014.2	969.2	-0.4	22.6	20.2	18.8	21.7	80	+ 4	4.5	+0.4	10.7	0	3	20	02	14	6	1	0	0	0	0	8	0
	1130	399	1012.8	968.5	..	26.3	20.8	17.4	19.6	59	..	5.1	..	15.8	0	8	20	02	16	7	1	0	2	0	0	3	0
	1430	399	1009.1	965.2	..	28.0	21.1	16.5	19.4	51	..	5.1	..	17.6	0	13	15	01	10	15	1	1	0	0	0	3	0
	1730	399	1009.3	965.3	-0.4	27.9	20.7	16.1	18.5	51	+ 3	4.7	+0.9	17.2	0	13	16	00	9	18	1	0	1	0	0	2	0
	2030	399	1012.3	967.7	..	24.9	20.2	17.3	19.7	64	..	3.6	..	10.5	0	2	22	02	8	13	1	0	0	0	0	7	0
	2330	399	1013.1	968.5	..	23.2	20.0	18.4	20.8	75	..	2.8	..	11.1	0	9	11	01	4	14	1	0	0	0	0	11	0
COIMBATORE	0830	409	1013.7	966.8	-1.2	23.3	20.4	18.7	21.6	76	+ 1	4.9	+0.4	4.1	0	0	31	00	30	0	1	0	0	0	0	0	0
NAGAPATTINAM	0830	9	1013.5	1012.4	-0.3	25.5	23.3	22.2	26.7	83	+ 2	5.3	+0.1	15.2	0	11	18	04	14	1	2	0	1	0	7	2	0
	1730	9	1010.4	1009.3	-0.5	26.7	23.8	22.4	27.3	78	+ 2	5.9	+0.8	24.3	0	25	6	03	24	2	1	1	0	0	0	0	0
TIRUCHCHIRAPPALLI	0230	88	1011.3	1001.2	..	22.6	21.5	20.9	24.7	90	..	4.0	..	11.6	0	4	26	17	9	1	0	0	0	1	2	1	0
	0530	88	1011.4	1001.3	..	22.2	21.2	20.6	24.4	91	..	3.9	..	10.8	0	4	26	18	5	0	0	1	0	1	5	1	0
	0830	88	1013.5	1003.5	-0.5	24.4	22.1	20.9	24.7	81	+.2	4.7	+0.4	16.5	0	10	20	17	9	0	1	0	0	1	2	1	0
	1130	88	1012.7	1002.8	..	27.3	22.7	20.3	23.8	66	..	5.6	..	19.0	0	16	15	11	15	2	0	1	0	1	1	0	0
	1430	88	1009.7	999.8	..	28.4	22.9	20.0	23.5	62	..	5.9	..	19.3	0	17	14	06	19	3	0	1	1	0	1	0	0
	1730	88	1010.0	1000.1	-0.4	26.8	22.7	20.5	24.1	69	+ 4	5.3	+0.1	14.4	0	5	26	01	23	4	1	1	0	0	1	0	0
	2030	88	1012.6	1002.5	..	24.3	22.4	21.5	25.6	84	..	3.5	..	12.0	0	2	29	03	23	3	0	1	0	0	1	0	0
	2330	88	1012.9	1002.8	..	23.2	21.9	21.2	25.3	88	..	3.8	..	10.8	0	4	26	10	16	2	0	0	1	1	0	1	0
VEDARANNIYAM	0830	4	1013.1	1012.7	..	26.0	23.8	22.7	27.7	83	..	5.6	..	7.7	0	3	28	09	12	3	0	1	2	0	4	0	0
	1730	4	1010.2	1009.7	..	26.4	24.1	23.0	28.3	81	..	5.7	..	5.9	0	3	27	11	11	4	0	1	1	0	2	1	0
ATIRAMPATTINAM	0830	6	1013.2	1012.5	..	24.8	23.2	22.5	27.1	87	..	3.9	..	10.8	1	1	29	13	7	1	1	1	1	0	7	0	0
	1730	6	1010.1	1009.4	..	26.6	24.1	22.3	27.9	78	..	5.1	..	11.0	0	1	30	09	13	6	2	1	0	0	0	0	0
MADURAI	0830	133	1013.7	998.5	+0.0	24.9	22.9	21.9	26.3	84	+11	5.0	+0.4	5.4	0	0	31	21	7	1	0	0	0	1	1	0	0
MADURAI AERODROME	0530	131	1011.4	996.4	..	22.4	21.4	20.8	24.7	91	..	3.7	..	8.1	0	1	24	15	7	1	0	0	0	0	2	6	0
	0830	131	1013.4	998.4	-0.8	24.4	22.1	20.8	24.7	81	+ 5	5.1	+0.8	13.2	0	4	25	14	10	1	0	1	0	0	3	2	0
	1130	131	1012.5	997.6	..	27.5	22.8	20.3	23.8	65	..	5.0	..	18.5	0	16	15	05	19	3	0	1	1	0	2	0	0
	1730	131	1009.8	995.0	-0.6	27.0	22.7	20.3	24.1	68	+ 5	5.5	+0.8	18.2	0	14	17	04	17	8	1	0	0	0	1	0	0
TONDI	0830	5	1013.5	1012.9	-0.4	24.5	22.9	22.1	26.6	87	+ 4	5.1	+0.1	6.7	0	1	27	09	16	0	0	1	0	1	1	3	0
	1730	5	1010.2	1009.6	-0.5	26.6	23.8	22.4	27.3	78	+ 5	5.0	+0.0	15.3	0	10	20	02	25	0	0	1	0	0	2	1	0
PAMBAN	0830	11	1012.7	1011.4	-0.6	25.6	24.0	23.2	28.6	87	+ 3	5.8	+1.2	23.6	1	18	12	15	11	1	0	2	0	0	2	0	0
	1730	11	1009.7	1008.4	-0.6	26.1	24.1	23.1	28.4	84	+ 1	5.1	+0.7	21.7	1	14	15	06	20	1	0	2	0	0	1	0	0
TUTICORIN	0830	4	1013.5	1013.1	-0.7	25.2	23.1	22.1	26.6	83	+ 5	4.3	+0.4	14.6	0	5	26	20	7	0	0	1	0	1	2	0	0
	1730	4	1010.0	1009.6	-0.6	27.1	24.4	23.1	28.3	79	+ 5	3.7	+0.5	21.6	0	19	12	01	22	6	0	1	1	0	0	0	0
PALAYANKOTTAI	0830	51	1014.3	1008.6	+0.7	25.0	22.8	21.7	25.9	77	+ 3	6.3	+1.4	8.7	0	0	31	26	2	0	0	1	0	2	0	0	0
	1730	51	1009.6	1003.8	-0.7	27.5	23.5	21.7	25.3	70	+ 8	6.2	+1.1	6.4	0	0	27	11	5	8	1	1	0	1	0	4	0
KANNIYAKUMARI	0830	37	1012.1	1008.0	..	26.1	22.9	21.5	25.3	75	..	4.5	..	22.9	0	23	7	14	13	0	0	0	1	2	0	1	0
	1730	37	1009.2	1005.1	..	27.7	23.7	21.6	25.9	70	..	5.2	..	20.2	0	18	13	05	16	6	1	0	1	2	0	0	0
PONDICHERRY	0830	6	1013.8	1013.1	..	25.4	23.7	23.0	28.1	86	..	5.0	..	1.9	0	9	21	13	8	3	1	1	0	0	4	1	0
	1730	6	1010.7	1010.1	..	26.4	24.3	22.6	27.4	80	..	4.5	..	2.5	0	27	4	02	21	6	1	1	0	0	0	0	0
OASTAL MYSORE																											
KARWAR	0830	4	1013.4	1012.9	-0.5	24.2	20.9	19.0	22.1	74	+ 4	3.5	+1.5	2.9	0	0	31	00	3	22	2	0	2	0	2	0	0
	1730	4	1009.9	1009.3	-0.6	29.7	29.8	21.2	24.7	63	+ 1	4.1	+2.0	5.3	0	0	31	00	0	1	2	0	0	1	22	0	5

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – DECEMBER, 1967 AGRAHAYANA 10 – AUSA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL MYSORE (CONTD.)																											
HONAVAR	0830	26	1013.3	1010.3	-0.4	24.2	20.3	17.9	20.6	69	+ 6	4.5	+1.3	5.5	0	0	29	01	8	19	0	0	0	1	0	2	0
	1730	26	1009.6	1006.6	-0.4	29.9	23.8	20.7	24.6	59	+ 0	4.6	+1.4	5.5	0	0	31	02	1	1	0	0	0	19	8	0	0
MANGALORE (BAJPE)	0230	102	1010.5	998.9	..	23.6	22.0	21.1	25.2	86	..	3.3	..	4.5	0	1	14	00	0	11	3	1	0	0	0	16	0
	0530	102	1010.6	998.9	..	22.8	21.0	20.1	23.4	85	..	3.9	..	7.2	0	0	20	00	1	17	1	0	1	0	0	11	0
	0830	102	1012.6	1001.1	-0.6	25.6	21.6	19.2	22.5	69	- 1	4.2	+1.4	10.7	0	0	31	00	4	25	2	0	0	0	0	0	0
	1130	102	1011.8	1000.5	..	30.7	22.4	17.6	20.2	46	..	4.0	..	11.0	0	5	23	01	6	13	4	3	0	0	1	3	0
	1430	102	1008.8	997.5	..	31.8	23.4	18.9	22.0	47	..	4.8	..	16.8	0	5	25	00	0	2	1	2	7	17	1	1	0
	1730	102	1008.9	997.5	-0.7	28.7	23.6	21.0	24.9	64	+ 2	4.7	+1.4	16.8	0	6	25	00	0	0	1	1	0	24	5	0	0
	2030	102	1011.2	999.7	..	25.9	23.3	22.0	26.4	79	..	3.7	..	5.4	0	0	21	10	0	0	2	0	0	3	6	10	0
	2330	102	1011.8	1000.3	..	24.9	22.9	21.8	26.3	83	..	3.9	..	3.2	0	0	11	05	2	3	1	0	0	0	0	20	0
MANGALORE	0830	22	1012.8	1010.3	-0.3	25.5	21.9	19.5	23.2	72	+ 3	2.8	+0.0	4.1	0	0	31	00	0	20	11	0	0	0	0	0	0
	1730	22	1009.0	1006.5	-0.6	29.2	23.9	21.2	25.3	62	+ 0	2.8	-0.2	5.7	0	0	31	01	0	0	2	0	5	11	9	0	3
INTERIOR MYSORE, NORTH																											
BIDAR	0830	664	1015.6	941.5	+0.1	20.8	17.3	14.6	17.1	70	+ 9	4.6	+2.3	14.2	0	10	20	00	1	4	21	3	1	0	0	1	0
	1730	664	1010.7	937.8	-0.5	24.3	16.7	12.2	13.4	46	+ 7	5.2	+2.3	10.7	0	5	23	00	10	8	5	3	1	0	0	3	1
GULBARGA	0830	458	1015.4	963.5	-0.3	21.2	17.5	15.1	17.3	69	+13	5.1	+3.2	7.3	0	1	22	02	1	18	1	1	0	0	0	8	0
	1730	458	1010.1	959.7	-0.2	28.6	18.6	11.8	14.1	37	+ 6	4.8	+2.2	7.2	0	0	30	00	1	23	3	2	1	0	0	1	0
BIJAPUR	0830	594	1015.2	948.4	-0.1	20.1	17.2	15.4	17.5	77	+19	5.3	+3.2	3.5	0	0	24	00	1	4	10	9	0	0	0	7	0
	1730	594	1009.4	944.5	-0.4	27.7	19.2	13.9	16.1	44	+10	6.3	+3.6	2.5	0	0	25	00	1	8	13	2	0	0	1	6	0
RAICHUR	0830	400	1014.9	970.0	-0.2	22.7	19.1	16.8	19.3	69	+ 6	4.4	+2.3	4.9	0	0	31	00	6	3	22	0	0	0	0	0	0
	1730	400	1009.4	966.0	-0.4	28.3	19.6	13.6	15.7	41	+ 7	4.7	+2.0	4.9	0	0	31	00	7	2	22	0	0	0	0	0	0
BELGAUM	0830	753	1015.3	931.4	+0.6	19.8	17.4	15.9	18.1	79	+12	3.3	+2.0	2.1	0	0	13	00	0	13	0	0	0	0	0	18	0
	1730	753	1009.0	927.4	-0.6	26.4	20.2	16.9	19.1	56	+21	4.4	+2.5	2.7	0	0	17	00	0	12	0	1	0	1	2	14	1
BELGAUM (SAMRA)	0530	747	1012.8	929.2	..	18.1	15.3	13.5	15.3	76	..	2.2	..	2.6	0	0	14	00	4	7	2	1	0	0	0	17	0
	0830	747	1014.2	931.2	-0.4	20.9	16.7	13.8	15.9	65	+ 1	4.1	+1.8	6.7	0	1	25	00	4	11	9	1	0	0	0	5	1
	1130	747	1012.4	931.0	..	25.3	18.0	13.1	15.3	48	..	4.3	..	15.0	0	9	22	00	3	8	18	1	1	0	0	0	0
	1430	747	1008.9	928.0	..	27.5	17.9	11.0	13.6	38	..	4.9	..	11.3	0	1	30	02	2	8	15	3	0	0	0	0	1
	1730	747	1008.9	927.9	-0.6	26.7	17.8	11.4	13.9	41	+ 3	4.9	+2.4	5.9	0	0	26	00	5	10	2	2	4	1	2	5	0
	2030	747	1012.3	929.8	..	22.4	17.3	13.7	16.0	60	..	3.6	..	5.3	0	0	23	00	5	6	2	3	2	4	1	8	0
GADAG	0530	650	1012.9	939.9	..	18.9	17.5	16.8	19.7	87	..	1.7	..	7.2	0	0	28	00	5	17	6	0	0	0	0	3	0
	0830	650	1014.3	941.6	-0.6	20.4	19.0	18.2	20.9	87	+24	2.7	+0.0	6.8	0	0	30	02	8	16	4	0	0	0	0	1	0
	1130	650	1012.7	941.5	..	26.5	21.8	19.3	22.7	65	..	3.5	..	10.4	0	0	30	01	5	15	7	0	1	0	1	1	0
	1430	650	1008.9	938.5	..	28.8	22.4	19.2	22.4	57	..	3.8	..	8.2	0	0	28	00	9	11	8	0	0	0	0	3	0
	1730	650	1008.9	938.3	-0.6	27.7	21.6	18.4	21.3	59	+18	4.0	+0.9	5.6	0	0	30	00	8	20	2	0	0	0	0	1	0
	2030	650	1013.1	940.7	..	21.4	18.5	16.7	19.3	75	..	2.4	..	9.6	0	0	29	00	3	22	2	0	1	1	0	2	0
	2330	650	1012.2	940.4	..	23.6	19.4	17.0	19.5	68	..	2.8	..	6.0	0	0	26	06	15	1	0	2	1	0	0	5	1
INTERIOR MYSORE, SOUTH																											
BELLARY	0830	449	1014.8	964.0	-0.4	21.6	19.3	18.0	21.1	80	+11	4.3	+1.3	10.6	0	0	29	00	1	3	19	6	0	0	0	2	0
	1730	449	1009.3	960.1	-0.3	29.5	21.2	16.2	18.4	46	+ 8	5.4	+2.2	10.1	0	0	31	00	2	3	23	3	0	0	0	0	0
CHITRADURGA	0830	733	1014.0	932.4	-0.4	20.2	17.6	15.9	18.2	75	+ 4	3.0	-0.2	6.8	0	0	29	00	0	25	4	0	0	0	0	2	0
	1730	733	1008.6	929.1	-0.3	26.8	18.4	12.8	15.1	44	+ 4	3.2	+0.1	6.8	0	0	30	00	0	29	0	0	0	1	0	1	0
SHIMOGA	0830	571	1013.6	949.5	-1.0	20.5	17.7	15.6	18.2	73	- 3	4.0	+1.2	0.5	0	0	6	00	1	5	0	0	0	0	0	25	0
	1730	571	1007.8	945.7	-0.9	28.8	18.8	12.4	14.4	38	- 5	4.4	+1.5	1.8	0	0	22	01	2	18	1	0	0	0	0	9	0
AGUMBE	0830	1018	..	..	..	20.8	17.7	15.8	18.1	74	..	.	..	5.9	0	0	31	00	31	0	0	0	0	0	0	0	0
KALEHONNUR	0830	890	..	..	..	21.2	17.8	15.7	17.9	72	- 7	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HASSAN	0830	960	1522.9	908.1	-0.4	17.9	16.4	15.4	17.6	85	+ 9	3.8	+0.5	3.9	0	0	23	01	4	12	6	0	0	0	0	8	0
	1730	960	1508.0	905.0	-0.8	25.9	18.1	13.3	15.1	48	+ 2	2.3	-1.2	2.7	0	0	30	01	5	15	6	2	0	1	0	1	0
MANGALORE	0230	921	1515.0	911.5	..	17.9	17.1	16.6	18.9	92	..	4.3	..	8.6	0	1	29	00	2	22	6	0	0	0	0	1	0
	0830	921	1531.9	913.1	+0.3	18.7	17.2	16.4	18.5	87	+ 9	5.0	+0.8	7.4	0	0	30	00	4	20	6	0	0	0	0	1	0
	1130	921	1538.0	912.8	..	23.3	18.6	15.8	18.1	64	..	5.1	..	9.5	0	0	30	00	5	17	8	0	0	0	0	1	0
	1430	921	1520.7	910.6	..	24.7	18.8	15.0	17.4	56	..	5.1	..	8.6	0	1	27	00	6	16	5	0	0	0	1	3	0
	1730	921	1518.3	910.7	+0.8	23.3	18.3	15.1	17.4	62	+11	5.2	+1.3	7.2	0	0	27	00	4	17	6	0	0	0	0	4	0
	2030	921	1527.5	912.3	..	20.3	17.7	16.1	18.3	77	..	2.4	..	8.8	0	1	29	00	5	19	6	0	0	0	0	1	0
MANGALORE AERODROME	0530	897	1504.4	913.3	..	16.8	16.2	15.8	17.9	94	..	4.8	..	10.1	0	3	26	01	5	19	4	0	0	0	0	2	0
	0830	897	1528.1	915.3	-0.4	18.7	17.2	16.3	18.5	86	+ 6	5.6	+1.4	15.5	0	8	23	00	7	21	3	0	0	0	0	0	0
	1130	897	1531.0	914.8	..	23.0	18.2	15.1	17.4	62	..	5.1	..	17.4	0	8	23	00	4	21	5	0	0	1	0	0	0
	1730	897	1510.4	912.4	-0.5	23.4	18.1	14.7	16.9	60	+ 7	5.3	+1.4	15.8	0	7	24	00	3	20	8	0	0	0	0	0	0
	2330	897	1521.1	914.6	..	18.4	17.1	16.3	18.5	87	..	3.7	..	14.6	0	3	28	00	2	24	5	0	0	0	0	0	0
MYSORE	0830	767	1013.7	928.6	-0.3	20.4	17.6	15.8	18.1	76	- 2	3.2	-0.4	12.3	0	2	29	04	3	5	3	6	6	0	4	0	0
	1730	767	1008.2	925.3	-0.4	28.4	18.5	13.7	15.5	46	+ 3	3.5	-0.4	13.9	0	5	26	05	11	13	1	0	1	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS -

DECEMBER, 1967 AGRAHAYANA 10 - AUSA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ERALA																											
CALICUT	0530	5	1010.6	1010.0	..	23.7	22.8	22.3	26.9	91	..	1.1	..	2.6	0	0	20	01	1	18	0	0	0	0	0	11	0
	0830	5	1012.4	1011.8	-0.4	25.8	23.2	21.8	26.3	79	+ 4	2.5	-0.8	3.3	0	0	26	00	0	25	1	0	0	0	0	5	0
	1130	5	1011.9	1011.3	..	29.8	24.9	22.6	27.4	65	..	2.3	..	3.9	0	0	25	00	0	2	0	0	7	15	1	5	0
	1430	5	1009.4	1008.8	..	30.7	25.2	22.7	27.6	63	..	2.3	..	5.0	0	0	31	00	0	2	0	1	4	24	0	0	0
	1730	5	1009.5	1008.9	+0.2	29.1	24.9	23.0	28.1	70	+ 6	3.4	+0.0	4.5	0	0	31	00	0	2	0	0	0	28	1	0	0
	2330	5	1011.7	1011.1	..	25.6	23.8	22.9	27.9	85	..	1.1	..	1.0	0	0	9	00	2	5	0	1	0	1	0	22	0
PALGHAT	0830	97	1013.1	1002.1	-0.6	25.9	22.1	19.7	23.5	70	+ 1	3.3	+0.6	8.9	0	0	31	00	0	30	0	0	0	1	0	0	0
	1730	97	1008.7	997.7	-1.0	30.7	22.8	18.7	21.3	51	+ 1	4.0	+0.6	6.5	0	0	31	00	0	29	0	0	0	2	0	0	0
FORT COCHIN	0830	3	1012.1	1011.8	-0.7	27.5	23.8	21.9	26.6	72	+ 1	5.5	+1.3	5.2	0	0	31	02	16	11	1	0	1	0	0	0	0
	1730	3	1009.0	1008.7	-0.2	28.5	24.5	22.6	27.4	71	+ 5	5.6	+1.2	8.1	0	0	31	01	1	1	1	0	7	16	4	0	0
COCHIN(NAVAL AIR STATION)	0230	3	1010.4	1010.1	..	24.7	23.3	22.6	27.4	89	..	4.2	..	1.5	0	0	8	00	2	3	2	1	0	0	0	23	0
	0530	3	1010.3	1010.0	..	23.8	22.7	22.2	27.3	91	..	3.6	..	1.6	0	0	11	01	6	3	1	0	0	0	0	20	0
	0830	3	1012.1	1011.8	..	26.0	23.3	21.9	26.3	78	..	3.9	..	3.5	0	0	21	03	12	4	1	0	0	0	0	10	1
	1130	3	1011.8	1011.5	..	29.8	24.1	21.2	25.3	61	..	3.7	..	6.3	0	0	26	00	7	2	4	2	2	2	7	5	0
	1730	3	1008.7	1008.4	..	29.1	24.1	21.6	25.9	65	..	4.5	..	10.4	0	1	30	00	2	2	0	0	9	17	1	0	0
	2330	3	1011.7	1011.4	..	25.9	24.0	23.1	28.3	85	..	4.6	..	1.5	0	0	6	01	1	1	1	0	0	0	2	25	0
ALLEPPEY	0830	4	1011.9	1011.5	-0.7	26.5	24.0	22.7	27.9	80	+ 5	3.5	-0.4	5.4	0	0	31	01	7	11	10	0	2	0	0	0	0
	1730	4	1007.8	1007.4	-1.5	28.7	25.1	23.3	28.9	72	+ 4	3.9	-0.2	17.4	0	12	19	00	1	0	1	0	1	7	21	0	0
PUNALUR	0830	34	1012.3	1008.5	-0.4	24.2	22.3	21.4	25.3	85	+ 2	4.9	+1.0	0.5	0	0	3	00	1	1	1	0	0	0	0	28	0
	1730	34	1008.5	1004.7	-0.5	30.4	24.0	20.8	24.6	57	- 5	6.6	+1.8	3.2	0	0	19	00	5	9	4	1	0	0	0	12	0
TRIVANDRUM	0230	64	1010.0	1002.6	..	24.5	23.1	22.4	27.1	88	..	4.0	..	1.9	0	0	11	02	5	2	2	0	0	0	0	20	0
	0530	64	1010.2	1002.8	..	23.8	22.8	22.1	26.9	90	..	3.7	..	4.2	0	0	24	04	12	5	1	2	0	0	0	7	0
	0830	64	1012.1	1004.8	-0.3	26.1	23.7	22.5	27.3	81	+ 1	5.1	+1.7	3.5	0	0	25	00	11	9	3	1	0	0	1	6	0
	1130	64	1011.3	1004.1	..	30.1	24.0	21.0	24.7	59	..	5.5	..	6.4	0	0	30	01	3	2	0	1	5	12	4	1	2
	1430	64	1008.5	1001.3	..	29.8	24.3	21.6	25.9	62	..	5.5	..	9.1	0	0	30	01	1	1	0	1	10	13	1	1	2
	1730	64	1009.1	1001.9	-0.2	28.2	24.1	22.2	26.6	70	+ 1	5.6	+1.3	6.2	0	0	30	02	0	0	1	4	9	12	2	1	0
	2030	64	1011.6	1004.2	..	26.4	24.0	22.8	27.9	79	..	4.3	..	1.8	0	0	11	01	0	1	1	1	1	3	3	20	0
	2330	64	1011.8	1004.5	..	25.3	23.6	22.8	27.7	86	..	4.6	..	4.3	0	0	25	06	7	4	3	0	1	0	4	6	0
TRIVANDRUM AERODROME	0830	8	1012.4	1011.5	-0.1	26.6	23.7	22.2	26.9	77	+ 4	5.1	+1.3	2.1	0	1	5	00	2	2	1	1	0	0	0	25	0
RABIAN SEA ISLANDS																											
AMINI	0530	4	1009.8	1009.4	..	25.5	23.5	22.5	25.9	84	..	3.8	..	7.8	0	3	19	11	5	1	0	0	1	0	4	9	0
	0830	4	1011.9	1011.4	-0.6	27.3	24.4	23.0	28.3	78	+ 4	4.5	+1.3	10.0	0	4	23	11	8	3	0	1	1	0	3	4	0
	1130	4	1011.8	1011.4	..	29.8	25.2	23.0	28.3	67	..	4.5	..	12.7	0	4	27	13	7	4	0	0	1	1	5	0	0
	1730	4	1009.0	1008.6	..	29.0	24.7	22.7	27.6	69	..	5.0	..	7.4	0	1	26	10	7	5	2	0	1	0	2	4	0
	2330	4	1011.4	1010.9	..	25.7	23.7	22.7	27.6	84	..	3.4	..	6.1	0	2	16	12	3	2	0	0	0	0	1	13	0
AGATTI	0830	4	1011.6	1011.1	..	27.3	24.5	23.1	28.4	77	..	4.9	..	7.9	0	3	27	24	4	0	0	0	0	0	2	1	0
	1730	4	1009.4	1008.9	..	28.3	25.1	23.7	29.3	76	..	5.3	..	7.7	0	3	28	24	3	0	0	0	0	1	3	0	0
ANDROTH	0830	5	1012.7	1012.2	..	27.2	24.6	23.5	28.8	80	..	6.0	..	3.1	0	0	25	09	7	1	1	0	0	0	2	6	5
	1730	5	1008.8	1008.3	..	28.6	24.8	23.0	28.3	72	..	5.4	..	2.7	0	0	18	02	11	0	0	0	0	0	0	13	5
MINICOY	0530	2	1010.2	1010.0	..	24.4	22.9	22.1	26.6	87	..	4.3	..	1.9	0	0	10	00	1	3	1	0	1	1	3	21	0
	0830	2	1012.3	1012.1	+0.0	27.2	24.5	23.2	28.6	79	+ 2	4.6	+0.6	3.5	0	1	17	03	3	6	0	1	1	0	4	13	0
	1130	2	1012.2	1012.0	..	29.3	25.1	23.1	28.3	69	..	5.2	..	5.0	0	0	24	05	6	10	0	0	0	1	2	7	0
	1430	2	1009.6	1009.4	..	29.3	25.0	23.0	28.3	69	..	5.1	..	5.8	0	0	28	07	6	8	1	0	0	0	6	3	0
	1730	2	1009.5	1009.3	-0.1	29.2	24.6	22.9	27.9	73	- 1	5.0	+0.6	3.5	0	0	20	05	5	6	1	0	0	0	3	11	0
	2030	2	1011.6	1011.4	..	25.8	23.5	22.4	26.9	82	..	3.5	..	2.3	0	0	15	04	5	3	2	0	0	0	1	16	0
	2330	2	1011.9	1011.7	..	25.0	23.3	22.4	27.3	86	..	3.8	..	2.6	0	0	16	03	7	4	1	0	0	0	1	15	0
ILL STATIONS(EXCLUDING KASHMIR)																											
DALHOUSIE	0830	1959	1473.2	801.8	+0.6	7.0	3.9	- 0.3	6.0	64	+ 9	3.3	+1.5	1.3	0	0	8	00	4	0	3	0	1	0	0	23	0
	1730	1959	1466.8	801.3	+1.1	8.0	5.8	3.4	7.8	76	+ 9	4.6	+2.3	1.0	0	0	8	00	4	0	3	0	1	0	0	23	0
DHARMASALA	0830	1211	1555.0	886.2	-0.7	11.0	7.5	3.4	7.8	60	+ 1	4.4	+1.7	1.3	0	0	14	02	2	1	0	0	0	2	7	17	0
	1730	1211	1543.5	884.8	-1.1	13.0	10.0	7.2	10.1	70	+10	4.9	+1.5	2.5	0	0	26	02	2	2	0	0	14	5	1	5	0
BHUNTAR	0830	1096	1530.2	896.7	..	4.5	3.9	3.2	7.7	92	..	4.5	..	1.4	0	0	12	06	0	0	0	4	0	0	2	19	0
	1130	1096	1532.6	895.9	..	10.9	7.3	3.2	7.7	60	..	4.5	..	3.5	0	1	21	03	2	6	5	2	0	1	3	9	0
	1730	1096	1506.6	892.9	..	12.0	8.5	4.7	8.5	62	..	4.5	..	5.9	0	4	14	01	0	2	5	1	0	4	5	13	0
SIMLA	0830	2202	1516.9	782.8	-0.1	6.8	2.4	- 5.2	3.9	48	+12	3.2	+0.5	2.1	0	0	25	01	6	0	16	2	0	0	0	6	0
	1730	2202	1503.1	781.6	-0.5	6.6	4.3	1.4	6.8	73	+18	4.7	+1.1	2.2	0	0	29	00	4	0	16	1	7	0	1	2	0
GHANGARIA (KANJALIA TUK)	0830		..	..	..	1.3	- 1.6	- 5.6	3.8	60	+ 8	0.3	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BADRINATH	0830		(R)																								
JOSHIMATH	0830		..	..	+ ..	6.5	6.0	5.5	9.0	93	+45	2.6	-0.2	7.3	0	0	31	00	0	19	7	0	3	1	1	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS –

DECEMBER, 1967 AGRAHAYANA 10 - ABSA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HILL STATIONS (EXCLUDING KASHMIR)																											
JOSHIMATH	1730			..	- ..	9.8	7.8	5.6	9.1	78	+31	3.5	+0.6	3.8	0	0	31	00	1	2	0	6	17	4	1	0	0
MUSSOURIE	0830	2042	1519.2	798.3	-1.1	7.4	3.2	- 3.6	4.5	52	+ 2	3.6	+1.0	1.9	0	0	20	05	1	0	4	5	1	0	4	11	0
	1730	2042	1502.4	796.8	-1.4	7.9	5.7	2.8	7.5	74	+ 5	4.7	+0.9	2.4	0	0	25	05	2	0	6	8	1	0	3	6	0
MUKTESWAR (KUMAON)	0830	2311	3133.5	774.8	+1.4	5.9	1.7	- 7.7	3.2	47	+ 7	3.1	+1.6	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	2311	3117.0	773.3	+1.0	6.1	2.7	- 3.1	4.7	58	+ 3	2.9	+0.5	..	.	..	..	..	..	..	..	..	..	..	..	..	..
NAINITAL	0830	1953	1528.8	807.6	+1.0	6.4	3.0	- 2.3	5.1	57	- 2	3.2	+0.9	4.3	0	1	14	01	0	2	3	0	0	5	4	16	0
	1730	1953	1499.5	805.0	-0.3	8.0	4.5	0.3	6.2	61	- 8	3.0	-0.3	7.8	0	2	24	00	1	4	1	2	0	17	1	5	0
KALIMPONG	0830	1209	1539.8	884.6	+2.7	10.9	8.3	5.6	9.1	70	- 6	1.0	-0.8	4.9	0	0	31	00	0	0	1	0	0	0	30	0	0
	1730	1209	1518.5	882.4	+3.1	11.4	8.7	5.9	9.3	67	-11	2.3	-0.4	5.0	0	0	31	00	1	0	30	0	0	0	0	0	0
DARJEELING	0830	2128	1548.9	793.0	-0.1	7.0	6.0	5.0	8.7	88	+16	5.0	+1.9	0.3	0	0	2	02	0	0	0	0	0	0	0	29	0
	1730	2128	1529.0	791.2	+0.6	7.2	6.5	5.8	9.2	91	+12	7.1	+2.7	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
KOHIMA	0830	1406	(R)																								
	1730	1406	(R)																								
SHILLONG (C.S.O.)	0830	1598	1531.5	843.5	+1.4	11.8	8.6	5.6	9.1	66	+ 3	2.5	+1.1	2.9	0	0	24	00	3	5	3	1	1	6	5	7	0
	1730	1598	1508.9	841.2	+1.6	10.8	10.1	9.5	11.9	92	+ 8	6.5	+0.5	0.9	0	0	10	00	1	3	3	1	2	0	0	21	0
CHERRAPUNJI	0830	1313	1547.9	874.2	+2.3	13.3	11.2	9.4	11.8	78	+14	1.2	-0.8	5.2	0	0	31	00	26	0	2	0	3	0	0	0	0
	1730	1313	1530.8	872.4	+2.8	13.2	11.4	10.0	12.3	80	- 2	2.1	-1.1	5.0	0	0	31	00	20	0	10	0	1	0	0	0	0
ABU	0830	1195	1504.8	882.2	-2.4	12.7	10.1	7.3	10.2	72	+28	1.8	+0.6	0.8	0	0	6	00	0	0	0	3	3	0	0	25	0
	1730	1195	1507.0	881.7	-0.6	15.5	12.4	9.0	11.5	63	+23	2.0	+0.7	1.1	0	0	10	00	1	0	1	5	3	0	0	21	0
AIJAL	0830		(R)																								
	1730		(R)																								
PACHMARHI	0830	1075	1537.8	897.8	-0.4	16.1	14.2	12.7	14.9	81	+16	4.1	+2.2	1.9	0	0	16	00	0	0	4	11	1	0	0	15	0
	1730	1075	1519.2	895.3	-0.8	19.2	15.6	13.0	15.1	69	+22	5.1	+3.0	1.4	0	0	17	00	4	0	2	3	3	1	4	14	0
MAHABALESHWAR	0830	1382	1534.0	865.5	+0.0	15.8	13.6	11.8	13.9	78	+22	2.2	+0.6	8.8	0	0	31	00	3	1	22	1	1	0	3	0	0
	1730	1382	1515.7	863.5	-0.1	20.1	16.2	13.4	15.6	67	+15	2.5	+0.8	7.2	0	0	31	01	7	0	4	2	4	2	11	0	0
MERCARA	0830	1152	1520.4	887.7	+0.3	17.5	15.6	14.2	16.3	82	+ 0	3.7	+0.2	17.0	0	10	21	00	27	2	0	0	0	0	2	0	0
	1730	1152	1501.6	885.0	-0.1	23.0	17.0	12.9	15.0	54	- 4	4.3	+1.1	9.3	0	1	30	05	23	1	0	0	0	0	0	0	2
OOTACAMUND	0830	2249	1533.6	781.5	+0.8	11.6	9.5	7.7	10.5	77	+ 5	2.6	+0.0	2.6	0	0	16	00	6	2	4	0	4	0	0	15	0
	1730	2249	1500.0	778.9	-0.2	14.8	12.5	10.9	13.0	78	+ 7	4.3	+0.4	1.2	0	0	11	01	2	2	5	0	1	0	0	20	0
COONOOR	0830	1747	..	..	..	16.0	13.5	11.7	13.8	77	+ 6	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KODAIKANAL	0830	2343	3156.3	772.3	+0.0	12.0	10.5	9.2	11.7	84	+15	4.2	+0.4	15.0	0	9	21	04	3	4	10	3	1	0	5	1	0
	1130	2343	3161.9	772.1	..	14.5	11.8	9.7	12.1	75	..	5.2	..	15.5	0	5	26	03	6	4	9	4	0	0	5	0	0
	1730	2343	3139.0	770.6	-0.1	12.2	11.5	10.9	13.2	[illegible]	+ 9	6.7	+1.5	10.6	0	5	20	04	1	2	10	3	1	1	3	6	0
NEPAL																											
KATMANDU	0830	1324	1535.1	872.3	-0.5	6.1	5.5	4.9	8.7	92	+ 3	6.1	+0.7	0.2	0	0	1	00	0	1	0	0	0	0	0	30	0
	1130	1324	1529.9	871.0	..	15.8	11.1	6.7	9.8	55	..	3.5	..	0.1	0	0	1	00	0	1	0	0	0	0	0	30	0
	1730	1324	1508.2	869.0	-0.7	12.6	9.6	6.7	9.8	67	- 3	3.9	+1.8	0.3	0	0	3	01	0	0	1	0	0	0	1	28	0
SIKKIM																											
LACHEN	0830		(R)																								
HYDROMETEOROLOGICAL OBSERVATORIES																											
TILAIYA	0830		..	..	..	17.6	14.8	12.5	14.5	72	..	2.6	..	6.3	0	0	23	00	0	1	3	0	5	7	7	8	0
	1730		..	..	..	21.1	16.0	12.0	14.0	57	..	3.0	..	4.8	0	0	28	00	2	2	0	0	1	8	15	3	0
HAZARIBAGH	0830	6154	1017.8	947.5	..	16.8	15.1	13.9	15.9	83	..	3.1	..	5.4	0	0	25	01	0	5	4	1	2	6	6	6	0
	1730	6154	1014.3	944.7	..	18.3	15.5	13.5	15.5	74	..	3.2	..	2.8	0	0	17	02	1	1	0	0	3	3	7	14	0
KUNAR	0830		(R)																								
	1730		(R)																								
HOKARO	0830	2420	1017.4	988.9	..	17.3	14.9	13.0	15.0	76	..	1.9	..	1.8	0	0	19	00	0	0	0	0	9	6	4	12	0
	1730	2420	1013.7	985.8	..	19.7	16.7	14.6	16.6	73	..	1.6	..	1.7	0	0	16	00	0	0	0	0	9	6	1	15	0
MAITHON	0830		..	..	..	21.0	16.4	12.9	14.9	61	..	3.1	..	1.3	0	0	20	00	3	0	2	0	5	2	8	11	0
	1730		..	..	..	23.8	17.4	12.6	14.6	50	..	3.3	..	0.8	0	0	11	00	1	0	3	0	0	0	7	20	0
RAMGARH	0830		..	..	..	16.5	14.5	12.9	14.9	80	..	3.1	..	2.8	0	0	29	06	0	0	0	0	6	10	7	2	0
	1730		..	..	..	21.5	17.3	14.3	16.3	64	..	2.8	..	3.0	0	0	31	07	0	2	0	2	4	7	9	0	0
PANCHET HILLS	0830		..	..	..	18.7	16.0	13.9	15.9	74	..	2.8	..	0.5	0	0	8	00	1	0	1	0	2	0	4	23	0
	1730		..	..	..	22.6	17.7	14.2	16.2	59	..	4.5	..	0.5	0	0	7	00	3	0	1	0	0	0	3	24	0
DURGAPUR	0830		..	..	..	19.7	16.0	13.2	15.2	66	..	0.3	..	6.9	0	2	22	07	4	2	1	0	0	1	9	7	0
	1730		..	..	..	23.1	17.5	13.4	15.4	55	..	0.5	..	3.7	0	0	27	09	4	4	0	1	0	1	8	4	0
MAHANADI CATCHMENT																											
GINABAHAK	0830		..	..	..	17.2	15.6	14.6	16.5	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	1017.4	999.1	..	21.6	18.9	17.3	19.7	76	..	3.1	..	1.3	0	0	10	02	5	0	1	0	0	0	2	21	0
	1130	159	1016.1	997.9	..	25.5	20.3	17.2	19.6	60	..	2.7	..	2.0	0	0	19	03	10	0	1	0	3	0	7	12	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS -

DECEMBER, 1967 AGRAHAYANA 10 - AUSA 10, 1889 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lst. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MAHANADI CATCHMENT (CONTD)																											
HIRAKUD	1730	159	1013.5	995.4	..	24.8	19.8	16.7	19.0	62	..	3.2	..	0.6	0	0	4	01	1	0	1	0	0	0	1	27	0
BHIMKUND	0830		..	..	..	19.7	17.2	15.5	17.5	77	..	3.8	..	0.8	0	0	11	02	1	0	0	0	0	0	8	20	0
	1730		..	..	..	23.9	18.4	14.7	16.7	57	..	4.1	..	0.3	0	0	4	01	0	0	0	0	0	0	3	27	0
SONEPUR	0830		(R)																								
KHIJRAWAN	0830		..	..	..	20.3	17.8	16.2	18.3	78	..	3.1	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	24.6	19.1	15.3	17.6	57	..	2.8	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
NARMADA CATCHMENT																											
BAGRA TAWA	0830		..	..	..	18.1	16.6	15.5	17.6	86	..	5.2	..	7.3	0	0	24	04	10	5	0	2	2	1	0	7	0
	1730		..	..	..	23.5	19.5	16.5	19.4	67	..	4.3	..	6.3	0	0	23	01	6	6	7	1	2	0	0	8	0
PUNASA	0830		..	..	..	20.5	17.8	16.0	18.2	76	..	.	..	2.1	0	0	21	00	18	0	0	0	3	0	0	9	0
	1730		..	..	..	25.5	21.4	18.7	22.1	69	..	.	..	2.3	0	0	26	00	23	0	0	0	3	0	0	5	0
THIKRI	0830		..	..	..	21.8	17.7	14.6	16.9	66	..	3.0	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																											
DAROI	0830		..	..	..	18.1	14.8	12.1	14.2	68	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	25.2	18.0	12.9	14.8	47	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GANDAK CATCHMENT																											
JAMOSOM	0830	2800	..	..	..	2.3	0.1	- 2.4	4.9	70	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	2800	..	..	..	6.6	1.9	- 4.7	4.3	46	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	0830	823	..	..	..	12.8	9.7	6.6	9.8	67	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	823	..	..	..	16.2	12.6	9.6	12.0	65	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830	1676	..	..	..	5.9	2.7	- 1.9	5.4	59	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1676	..	..	..	10.9	7.3	3.5	8.0	61	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
POKHARA	0830	918	..	..	..	12.9	10.9	9.1	11.6	78	..	3.2	..	0.3	0	0	3	02	0	0	0	0	1	0	0	28	0
	1130	918	..	..	..	17.1	13.3	10.2	12.4	64	..	3.2	..	1.8	0	0	19	01	0	2	7	8	1	0	0	12	0
	1730	918	..	..	..	15.7	12.9	10.7	12.8	72	..	3.8	..	0.1	0	0	1	01	0	0	0	0	0	0	0	30	0
GORKHA	0830	1135	..	..	..	13.1	11.1	9.4	11.8	78	..	2.8	..	..	.	..	..	00	2	3	8	6	1	1	0	10	0
	1130	1135	..	..	..	16.1	12.9	10.5	12.7	70	..	3.1	..	..	.	..	..	00	2	0	8	8	11	0	0	2	0
	1730	1135	..	..	..	14.3	11.6	9.2	11.7	72	..	2.9	..	..	.	..	..	01	1	1	2	6	8	3	1	8	0
NUWAKOT	0830	970	..	..	..	12.8	10.6	8.7	11.2	77	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	970	..	..	..	16.2	11.9	8.1	10.9	59	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT (TRANS																											
DAILEKH	0830	1304	..	..	..	10.6	7.4	3.5	8.0	63	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1304	..	..	..	12.9	8.6	3.8	8.1	55	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT																											
SALLYANA	0830	1457	..	..	..	10.4	7.1	2.7	7.6	60	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1457	..	..	..	13.3	9.3	4.9	8.9	59	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BUTWAL	0830	263	..	..	..	17.8	14.2	11.1	13.3	66	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	263	..	..	..	18.8	15.8	13.5	15.6	72	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BAGHMATI CATCHMENT																											
KATMANDU	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
KOSI CATCHMENT																											
CHAUTARA	0830	1676	(R)																								
	1730	1676	(R)																								
WALUNGCHUNG GOLA	0830	3048	..	..	..	2.5	0.1	- 3.2	4.7	67	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	3048	..	..	..	1.1	0.2	- 0.9	5.7	86	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHOK	0830	1372	(R)																								
	1730	1372	(R)																								
BHOJPUR	0830	1524	..	..	..	12.2	9.3	6.7	9.9	70	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1524	..	..	..	10.4	9.1	8.1	10.8	86	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLEJUNG	0830	1768	..	..	..	7.9	7.1	6.2	9.5	90	..	4.5	..	1.2	0	0	10	00	1	0	3	3	3	0	0	21	0
	1130	1768	..	..	..	12.8	9.8	7.3	10.3	69	..	4.4	..	2.9	0	0	27	05	2	1	0	1	3	7	4	4	4
	1730	1768	..	..	..	10.6	8.0	5.5	9.1	71	..	3.9	..	7.7	0	0	25	00	0	0	2	20	1	0	0	2	2
DHALDHUNGA	0830	2103	..	..	..	10.0	8.1	6.3	9.6	79	..	2.4	..	0.8	0	0	11	00	0	0	0	7	4	0	0	20	0
	1130	2103	..	..	..	13.7	9.6	6.1	9.4	61	..	3.3	..	2.1	0	0	23	00	0	0	0	6	6	8	3	8	0
	1730	2103	..	..	..	9.8	8.1	6.6	9.7	80	..	4.3	..	2.1	0	0	16	00	0	0	0	0	2	12	2	15	0
CHAINPUR	0830	1329	..	..	..	12.2	10.4	8.8	11.3	80	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1329	..	..	..	13.5	10.8	8.5	11.1	72	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ANGBUNG	0830		(R)																								

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS -

DECEMBER, 1967AGRAHAYANA 10 - AUSA 10, 1889 SAKAI

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry bulb	Wet bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KUSI CATCHMENT (CONTD.)																											
ANGBUNG	1730		(R)																								
BARAHAKSHETRA	0830	146	1019.0	1001.7	..	14.7	13.3	12.2	14.2	85	..	1.3	..	1.5	0	0	22	00	6	6	5	0	4	0	1	9	0
	1130	146	1016.5	999.7	..	20.7	16.7	13.7	15.7	65	..	2.3	..	1.7	0	0	18	00	0	1	3	1	4	8	1	13	0
	1730	146	1014.7	997.6	..	17.8	15.9	14.4	16.4	80	..	3.2	..	1.8	0	0	27	00	2	18	4	0	3	0	0	4	0
TISTA CATCHMENT																											
GANGTOK	0830	1756	1535.8	822.4	..	8.1	7.3	6.6	9.7	90	..	5.6	..	1.0	0	0	6	02	2	0	0	2	0	0	0	25	0
	1130	1756	1522.6	821.5	..	12.1	9.8	7.9	10.7	77	..	6.1	..	4.3	0	0	22	01	0	1	0	9	7	3	1	9	0
	1730	1756	1507.8	819.9	..	10.1	8.7	7.5	10.4	84	..	6.8	..	1.5	0	0	10	00	1	2	2	4	1	0	0	21	0
CEZING	0830	1324	..	..	..	10.9	9.8	8.9	11.4	88	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1324	..	..	..	11.3	10.0	9.0	11.5	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

MONTHLY MEANS OF UPPER WINDS.

During the month, observations of velocity and direction of upper winds were made at 55 stations in India. Out of these, at 39 stations all the observations were taken by means of pilot balloons and at 16 stations some observations were made by means of pilot balloons while the other observations by the radiowind method. In the case of Bangalore, the observations were taken by following radiosonde balloon by means of an optical theodolite. Particulars of these stations, their co-ordinates and the approximate times of the regular pilot balloon and rawin ascents at each station are given in the table overleaf. All radiowind ascents have been indicated by means of an asterisk (*) against the scheduled hours.

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

Data upto 9.0 km. above mean sea level are given under Table IV and data above 9.0 km. above mean sea level under Table V.

In Tables IV and V :

N = represents the number of observations;

S = represents the mean wind speed in metres per second irrespective of direction;

V = represents the resultant mean velocity in metres per second;

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

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

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

* * * *

PARTICULARS OF PILOT BALLOON AND RAWIN STATIONS IN INDIA

S.No.	Station	Latitude	Longitude	Height of anemometer head a.m.s.l. in metres	Date of Opening	Approximate times of flight (I.S.T.)			
		° ' N	° ' E						
1.	Agartala	23 53	91 15	17	28th Nov. 1951	0530	1130	1730	2330
2.	Ahmadabad	23 04	72 38	61	19th May. 1928	0530*	1130	1730*	2330
3.	Allahabad/Bamhrauli	25 27	81 44	103	28th Feb. 1930	0530		1730	2330
4.	Ambala	30 23	76 46	279	1st Apr. 1941	0530	1130	1730	2330
5.	Amini	11 07	72 44	14	15th May. 1965	0530		1730	2330
6.	Anantapur	14 41	77 37	365	12th Feb. 1946	0530		1730	2330
7.	Asansol	23 41	86 59	135	29th May. 1942	0530	1130	1730	2330
8.	Aurangabad/Chikalthan	19 51	75 24	583	7th Oct. 1951	0530		1730	2330
9.	Bahraich	27 34	81 36	134	1st Oct. 1961	0530	1130	1730	
10.	Bangalore	12 58	77 35	936	19th May. 1915	0530●	1130	1730●	2330
11.	Bareilly	28 22	79 24	181	12th Jan. 1943	0530		1730	
12.	Begampet	17 27	78 28	543	1st Sep. 1929	0530*	1130	1730*	2330
13.	Bhagalpur	25 14	86 57	61	19th May. 1950	0530		1730	
14.	Bhopal/Bairagarh	23 17	77 21	532	26th Feb. 1943	0530		1730	2330
15.	Bhubaneshwar	20 15	85 50	54	5th Dec. 1942	0530	1130	1730	2330
16.	Bhuj/Rudramata	23 15	69 48	90	14th Sep. 1937	0530		1730	2330
17.	Bikaner	28 00	73 18	229	18th Oct. 1946	0530		1730	2330
18.	Bombay/Santacruz	19 07	72 51	27	14th May. 1933	0530*	1130	1730*	2330
19.	Calcutta/Dum Dum	22 39	88 27	13	14th May. 1921	0530*	1130	1730*	2330
20.	Cochin/Willingdon +	09 56	76 14	13	16th Mar. 1942	0530		1730	2330
21.	Dehra Dun	30 19	78 03	692	1st Oct. 1958	0530		1730	
22.	Dibrugarh/Mohanbari	27 29	95 01	112	1st Jun. 1948	0530	1130	1730	2330
23.	Gadag	15 25	75 38	650	3rd May. 1943	0530		1730	2330
24.	Gangtok	27 20	88 16	1764	1st May. 1963	0530		1730	
25.	Gauhati	26 05	91 43	55	12th Mar. 1955	0530*	1130	1730*	2330
26.	Gaya	24 45	84 57	119	19th Mar. 1937	0530	1130	1730	2330
27.	Goa/Dabolim	15 23	73 49	228	Jul. 1965	0530		1730	
28.	Gopalpur	19 16	84 53	24	15th Feb. 1946	0530		1730	2330
29.	Gorakhpur	26 45	83 22	83	5th Jan. 1943	0530		1730	
30.	Gwalior	26 14	78 15	208	7th May. 1938	0530	1130	1730	2330
31.	Imphal/Tulihal	24 46	93 54	782	8th Mar. 1952	0530	1130	1730	2330
32.	Jabalpur	23 10	79 57	402	30th Jul. 1928	0530		1730	2330
33.	Jagdalpur	19 05	82 02	562	25th Mar. 1948	0530		1730	2330
34.	Jaipur/Sanganer	26 49	75 48	403	6thJun. 1953	0530		1730	2330
35.	Jamshedpur	22 49	86 11	144	23rd Jul. 1942	0530		1730	
36.	Jharsuguda	21 55	84 05	240	1st May. 1944	0530		1730	2330
37.	Jodhpur	26 18	73 01	229	15th Oct. 1934	0530*	1130	1730*	2330
38.	Lucknow/Amausi	26 45	80 53	133	20th Nov. 1950	0530*	1130	1730*	2330
39.	Madras/Minambakkam	13 00	80 11	29	8th Apr. 1926	0530*	1130	1730*	2330
40.	Mangalore/Bajpe	12 55	74 53	104	25th May. 1959	0530		1730	2330
41.	Minicoy	08 18	73 00	15	14th Apr. 1941	0530	1130	1730*	2330
42.	Nagpur/Sonegaon	21 06	79 03	316	23rd Apr. 1943	0530*	1130	1730*	2330
43.	New Delhi/Safdarjung	28 35	77 12	227	29th Oct. 1936	0530*	1130	1730*	2330
44.	Poona	18 32	73 51	593	5th Jan. 1925	0530		1730	2330
45.	Port Blair	11 40	92 43	95	29th Oct. 1945	0530*	1130	1730*	2330
46.	Raipur	21 14	81 39	308	15th Jul. 1944	0530		1730	2330
47.	Raxaul	26 59	84 51	83	28th Oct. 1957	0530		1730	
48.	Srinagar	34 05	74 48	1595	1st Aug. 1962	0530*		1730*	
49.	Tiruchchirappalli	10 46	78 43	96	22nd Jun. 1936	0530		1730	2330
50.	Trivandrum	08 29	76 57	73	8th Dec. 1928	0530*	1130	1730*	2330
51.	Udaipur	24 35	73 42	587	24th Jun. 1947	0530		1730	2330
52.	Vengurla	15 52	73 38	8	22nd Nov. 1941	0530		1730	2330
53.	Veraval	20 54	70 22	17	13th Oct. 1941	0530		1730	2330
54.	Vijayawada/Gannavaram	16 32	80 48	32	8th Apr. 1942	0530		1730	2330
55.	Vishakhapatnam	17 43	83 14	10	24th Sep. 1928	0530*	1130	1730*	2330

* Radio wind ascents.

● Radiosonde ascents followed by optical theodolite.

\+ Naval Meteorological Office.

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

DECEMBER,1967 (AGRAHAYANA 10 - PAUSA 10,1889 SAKA)

STATION	AGARTALA												AHMADABAD											
TIME IN I.S.T.	0530				1730				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.2	00.2	015	31	00.9	00.8	308	31	00.4	00.3	025	31	01.2	00.9	085	31	02.7	01.5	093	31	02.3	00.3	323
.15 A.G.L.	29	02.6	01.7	010	31	03.0	02.6	316	31	03.3	02.1	348	31	06.7	03.8	065	31	03.9	02.5	080	31	04.9	01.3	324
.3A.M.S.L.	29	03.2	02.5	004	31	03.0	02.5	314	31	03.0	02.4	335	31	06.5	03.6	068	31	04.0	02.2	079	31	04.9	01.4	325
.6 ,,	29	03.5	02.8	359	31	03.0	02.0	304	31	03.4	02.7	320	31	05.5	02.4	101	31	04.1	01.4	120	31	04.5	01.0	324
.9 ,,	29	04.0	02.8	337	31	03.4	02.2	293	31	03.8	02.8	305	31	05.1	01.5	165	29	04.6	01.5	181	31	04.1	00.7	310
1.5 ,,	29	05.4	04.3	306	31	05.3	04.3	287	31	05.0	04.2	297	31	06.0	03.9	207	29	06.0	04.1	217	31	04.7	02.2	236
2.1 ,,	29	07.0	06.5	296	31	08.0	07.4	291	31	08.1	07.6	288	31	07.7	05.8	229	28	07.3	06.1	218	31	06.3	05.5	232
3.0 ,,	28	12.0	11.4	292	30	12.6	08.5	290	29	11.6	10.9	280	31	10.4	09.0	241	25	09.7	08.4	231	31	10.5	09.0	243
3.6 ,,	27	15.7	15.3	284	30	15.7	15.3	285					28	12.0	10.1	252	23	11.9	10.1	244	31	15.0	10.4	247
4.5 ,,	24	18.8	18.3	276	27	19.5	19.1	278					28	15.5	13.5	257	23	15.3	13.7	256	30	15.6	13.9	257
5.4 ,,	14	19.1	18.3	273	24	23.4	22.4	276					25	19.8	19.0	255	23	19.9	18.7	260	29	18.7	16.9	260
6.0 ,,	09	19.8	19.1	272	17	23.4	22.9	263					25	24.3	22.8	257	23	23.7	22.5	260	28	22.9	21.3	259
7.2 ,,	01	23.0	23.0	280	03	28.0	24.3	266					22	33.3	31.3	259	23	30.0	28.0	263	26	29.6	27.1	260
9.0 ,,													18	41.0	26.5	260	17	37.9	35.9	263	20	37.0	34.5	264

STATION	AHMADABAD				ALLAHABAD/RAMBRAULI												AMBALA							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.3	00.3	075	31	00.5	00.2	055	31	00.4	00.2	313	31	00.3	00.1	090	31	00.7	00.3	118	31	01.1	00.6	230
.15 A.G.L.	31	06.6	03.6	016	25	04.3	01.9	046	30	02.9	01.2	346	29	04.1	00.7	340	28	05.8	01.5	015	30	04.3	00.3	112
.3A.M.S.L.	31	06.8	03.3	014	25	04.8	02.2	046	30	02.9	01.2	344	29	04.3	00.9	341	28	02.8	00.9	352	30	02.1	00.5	082
.6 ,,	31	06.0	03.0	034	24	04.6	01.3	033	30	03.4	01.9	307	29	04.0	01.0	306	28	05.9	01.2	002	30	05.2	00.9	115
.9 ,,	31	04.9	02.0	050	24	04.2	01.2	288	30	04.0	02.6	307	29	04.6	02.1	282	28	05.1	00.3	047	30	05.5	01.4	130
1.5 ,,	31	05.3	02.2	185	21	07.1	03.6	285	28	06.5	04.8	294	27	05.7	03.9	283	28	04.9	01.0	153	29	04.7	01.8	133
2.1 ,,	31	06.9	04.2	209	19	08.2	03.4	283	27	07.9	06.7	280	24	07.0	06.0	282	26	04.2	01.2	189	26	04.6	02.1	160
3.0 ,,	28	08.9	06.6	239	08	09.5	09.0	296	24	09.5	08.9	277	15	08.0	06.1	263	23	04.6	02.1	236	24	04.4	01.6	151
3.6 ,,	04	08.0	06.6	242	05	10.8	10.4	293	20	11.5	10.7	276	03	12.3	11.9	268	21	06.4	04.1	247	19	06.3	03.4	113
4.5 ,,					03	11.7	11.6	289	16	14.7	14.0	269					20	09.3	07.3	248	18	08.7	07.5	249
5.4 ,,					02	14.5	14.5	288	10	16.6	16.0	268					19	13.2	11.3	252	18	12.2	10.9	265
6.0 ,,					01	16.0	16.0	285	05	16.4	15.6	270					19	15.9	14.1	253	18	15.5	12.3	268
7.2 ,,					01	28.0	28.0	275	01	19.0	19.0	250					04	18.8	18.5	243	10	21.1	19.8	264
9.0 ,,																					02	29.0	29.0	247

STATION	AMBALA								AMINI												ANANTAPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.1	00.1	198	31	00.9	00.7	337	31	02.2	01.9	003	31	02.5	01.8	018	31	01.8	01.6	011	31	01.6	01.5	081
.15 A.G.L.	30	05.0	01.4	259	29	07.2	04.1	331	30	04.4	03.6	005	31	04.2	03.2	027	30	03.5	03.0	008	30	05.9	05.4	100
.3A.M.S.L.	30	02.4	00.5	258	29	03.3	01.7	311	30	04.5	03.7	007	31	04.2	03.3	029	30	03.5	03.0	010				
.6 ,,	30	01.7	00.9	264	29	06.6	02.6	341	30	04.5	03.5	021	31	04.2	02.8	039	30	04.0	03.1	023	30	06.5	05.9	108
.9 ,,	30	05.9	00.2	158	29	05.5	00.8	332	30	04.9	03.7	051	31	04.1	02.5	051	30	04.3	02.9	042	30	07.9	07.2	109
1.5 ,,	29	05.8	01.6	129	29	04.6	01.3	160	29	05.6	04.6	092	27	04.0	02.6	069	29	05.4	04.1	072	29	07.5	06.5	107
2.1 ,,	28	05.0	01.1	162	28	05.0	01.8	177	28	05.0	01.8	157	26	04.0	01.8	085	27	06.0	04.9	080	29	05.6	04.0	107
3.0 ,,	25	05.1	01.4	224	24	04.3	02.0	252	13	06.1	01.8	157	23	04.1	01.5	105	22	05.1	03.7	091	27	05.1	02.0	099
3.6 ,,	22	05.4	02.9	264	02	05.5	03.4	262	08	06.9	01.9	157	23	04.9	01.8	097	18	04.7	02.6	094	27	04.8	01.1	154
4.5 ,,	16	07.0	05.8	276					03	06.7	06.1	223	19	05.0	02.4	091	06	05.5	02.4	102	27	05.5	01.6	196
5.4 ,,	16	12.2	10.3	268									18	06.4	02.9	062	03	08.7	05.9	061	25	05.8	03.1	237
6.0 ,,	15	14.2	12.3	262									17	07.8	02.5	070	03	08.7	04.5	066	25	06.9	04.1	245
7.2 ,,													09	08.0	02.4	352					21	09.4	07.1	257
9.0 ,,													04	05.8	02.7	257					11	11.9	10.0	245

STATION	ANANTAPUR								ASANSOL												AURANGABAD/CHIKALTHAN			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	04.9	04.7	088	31	05.3	05.1	093	31	00.2	00.2	307	31	00.6	00.5	319	31	00.4	00.3	309	31	01.4	01.3	106
.15 A.G.L.	31	06.1	05.9	083	30	08.4	08.2	101	31	04.3	02.7	355	31	02.8	02.1	330	31	04.9	02.8	011	30	05.0	04.0	099
.3A.M.S.L.									31	04.5	02.8	355	31	02.9	02.2	330	31	04.8	02.7	004				
.6 ,,	31	06.1	05.9	085	30	08.9	08.7	103	31	04.3	02.0	335	31	03.3	02.6	319	31	04.0	02.1	343				
.9 ,,	31	05.7	05.5	090	30	09.0	08.9	105	31	04.0	02.0	312	31	04.2	03.4	310	31	03.6	02.4	294	30	06.8	05.5	110
1.5 ,,	29	05.5	05.1	095	29	05.4	04.9	099	31	06.1	05.2	296	30	06.1	05.8	305	31	06.2	05.2	288	27	07.3	04.9	135
2.1 ,,	26	04.4	03.0	100	29	05.0	02.8	098	30	07.9	07.7	299	29	08.9	08.4	298	31	08.8	08.1	299	23	06.0	03.9	171
3.0 ,,	25	04.3	00.6	155	29	04.2	01.4	106	29	11.4	10.8	292	28	11.4	10.8	293	29	10.7	09.7	288	23	06.6	05.7	207
3.6 ,,	25	04.6	00.5	236	23	04.4	00.4	148	28	13.7	13.1	285	25	13.4	12.6	284	13	11.8	10.9	277	23	07.1	06.2	226
4.5 ,,	24	04.8	02.1	225	05	03.4	01.0	334	25	15.4	14.6	276	22	16.5	15.2	280	02	12.5	12.5	283	20	09.3	07.9	235
5.4 ,,	24	06.5	03.4	232	01	08.0	08.0	170	23	19.0	18.4	276	21	19.5	19.0	278					14	10.2	09.0	255
6.0 ,,	23	07.6	04.5	237					21	22.1	21.5	267	18	22.9	22.7	276					10	14.6	13.1	259
7.2 ,,	13	11.2	08.7	245					13	28.0	27.4	265	10	27.0	26.5	273					02	11.5	11.0	240
9.0 ,,	02	15.0	14.7	201					04	32.7	32.3	277									01	14.0	14.0	291

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

DECEMBER,1967 (AGRAHAYANA 10 - PAUSA 10,1889 SAKA)

STATION	AURANGABAD/CHIKALTHAN								BAHRAICH												BANGALORE			
TIME IN I.S.T.	1730				2330				0530				1130				1730				0530@			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	30	01.8	01.0	093	31	00.9	00.8	090	31	00.7	00.3	288	31	01.4	00.4	318	31	01.5	01.0	276	31	03.1	02.9	081
.15 A.G.L.	30	03.9	01.5	093	30	05.0	03.8	103	18	04.2	02.8	307	30	02.8	01.2	322	28	04.1	03.0	279	19	06.6	06.1	090
.3A.M.S.L.									18	04.2	02.4	299	30	02.7	01.1	330	28	04.1	02.7	279				
.6 ,,									18	05.1	03.2	304	30	04.5	01.2	324	28	04.5	02.6	291				
.9 ,,	30	03.5	01.0	070	30	06.2	04.4	109	17	05.1	03.9	298	30	06.0	01.6	302	28	05.4	02.7	296				
1.5 ,,	30	03.7	01.6	057	30	06.3	03.8	129	12	06.3	03.8	302	25	06.4	04.5	289	24	06.0	03.8	305	18	07.9	06.7	082
2.1 ,,	30	03.5	01.9	044	27	06.4	03.2	166	07	04.9	02.2	269	19	07.0	05.5	293	16	07.3	06.2	306	16	05.4	04.4	074
3.0 ,,	30	04.2	02.8	030	25	06.8	04.0	200	02	07.0	05.5	274	14	08.2	07.6	286	11	09.7	08.9	285	16	05.3	03.2	076
3.6 ,,	29	04.4	02.4	360	22	08.5	04.7	212	01	05.0	05.0	259	09	08.3	07.5	286	09	11.0	10.8	287	15	05.0	03.4	104
4.5 ,,	27	06.8	04.9	301	20	08.9	06.5	239					03	11.3	11.3	267	08	14.1	13.2	282	15	04.6	01.8	125
5.4 ,,	24	10.1	09.0	292	13	12.5	09.2	246					03	16.0	16.0	269	05	16.6	16.4	278	14	05.2	01.9	195
6.0 ,,	22	12.1	11.1	292	11	14.7	10.8	242					03	23.7	23.7	271	05	18.8	18.6	278	14	06.1	02.1	189
7.2 ,,	20	16.5	15.7	293	05	14.0	12.1	246					01	29.0	29.0	260					13	07.7	03.5	243
9.0 ,,	16	22.1	21.1	289	01	14.0	14.0	324													10	10.1	07.9	228

STATION	BANGALORE												BAREILLY								BEGAMPET			
TIME IN I.S.T.	1130				1730@				2330				0530				1730				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	03.8	03.4	082	31	03.2	02.7	082	31	04.2	03.9	087	31	01.1	00.4	027	31	01.2	00.5	075	31	02.4	02.3	126
.15 A.G.L.	30	06.1	05.5	089	28	05.3	04.9	096	26	09.8	09.3	097	29	07.1	03.0	338	30	04.0	01.7	285	30	05.3	05.2	126
.3A.M.S.L.													29	06.7	03.1	337	30	03.9	01.7	286				
.6 ,,													29	06.9	02.7	315	30	04.8	02.0	285	30	04.7	04.6	128
.9 ,,													29	06.4	02.2	296	30	05.4	02.6	290	30	06.6	06.2	125
1.5 ,,	30	06.6	06.0	091	28	05.5	05.0	095	26	09.7	08.6	099	28	05.9	02.5	278	30	06.1	03.5	280	29	07.3	06.6	123
2.1 ,,	23	06.0	05.3	078	26	05.1	04.4	087	24	06.6	04.2	090	27	05.9	04.3	277	29	05.5	03.2	283	27	04.9	02.8	122
3.0 ,,	19	05.1	03.7	084	22	04.2	01.9	103	20	04.8	02.3	061	21	07.5	06.1	267	26	06.8	05.4	283	26	03.8	00.7	188
3.6 ,,	18	04.8	03.1	100	20	04.9	01.8	095	20	05.1	02.7	069	19	08.4	07.3	262	24	08.5	07.2	277	26	05.3	02.1	222
4.5 ,,	16	03.7	01.2	127	19	04.5	01.8	126	16	05.6	01.8	123	12	12.1	11.4	256	16	10.0	09.6	269	26	07.0	04.3	251
5.4 ,,	16	05.5	01.6	197	18	05.1	02.6	173	11	05.5	01.3	190	07	17.6	17.3	259	10	15.0	14.7	268	25	08.9	07.1	258
6.0 ,,	16	07.3	02.6	203	19	06.3	01.9	199	10	06.0	01.9	134	04	19.3	18.7	251	06	20.2	19.6	262	24	10.7	08.7	252
7.2 ,,	16	08.9	03.4	228	17	07.7	03.4	236	06	06.2	03.3	220	01	27.0	27.0	240	02	32.5	31.9	260	24	14.3	11.9	257
9.0 ,,	13	12.6	10.1	238	17	09.6	08.1	228	02	11.5	09.1	274									23	20.0	18.7	255

STATION	BEGAMPET												BHAGALPUR								BHOPAL/BAIRAGARH			
TIME IN I.S.T.	1130				1730*				2330				0530				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	03.2	03.1	124	31	03.1	02.9	110	31	02.8	02.6	118	31	01.1	00.7	252	31	01.2	01.0	285	31	02.3	01.8	108
.15 A.G.L.	30	05.0	04.7	125	30	05.2	04.8	114	30	06.9	06.4	114	31	04.5	02.2	265	31	03.9	03.2	289	22	06.4	05.0	130
.3A.M.S.L.													31	04.5	02.3	299	31	04.4	03.0	276				
.6 ,,	30	04.6	04.3	126	30	04.8	04.6	114	30	04.9	04.5	112	31	04.5	02.9	301	31	05.0	04.1	284	22	05.6	04.5	126
.9 ,,	30	04.9	04.6	120	30	05.1	04.7	114	28	07.3	06.9	121	31	05.5	04.4	299	31	06.0	05.1	284	22	07.2	05.6	155
1.5 ,,	26	05.8	04.6	121	30	05.0	03.9	116	28	06.3	05.4	115	30	08.4	07.5	289	31	08.8	05.4	305	22	05.8	04.1	213
2.1 ,,	24	04.8	02.6	115	29	04.2	02.2	124	28	04.3	02.0	105	25	11.4	10.7	289	29	09.9	09.6	293	22	06.1	04.0	235
3.0 ,,	23	04.4	00.9	167	28	04.1	00.9	185	27	03.9	00.6	317	04	13.5	13.1	289	17	12.9	12.4	288	20	08.0	07.3	243
3.6 ,,	19	04.5	01.7	234	27	05.3	02.6	248	06	03.3	02.9	237					15	15.1	14.6	288	18	09.7	08.9	245
4.5 ,,	17	06.1	04.1	254	26	05.9	04.7	255	01	08.0	06.0	220					12	17.8	17.1	279	15	12.3	11.4	257
5.4 ,,	16	08.2	06.1	267	26	08.9	07.6	258	01	09.0	09.0	220					05	18.2	17.3	291	12	16.9	15.1	263
6.0 ,,	15	09.7	08.7	259	26	10.5	09.0	255									02	11.5	10.7	285	11	20.7	19.0	262
7.2 ,,	12	11.4	09.7	257	25	14.9	13.0	255													05	21.6	19.4	272
9.0 ,,	08	15.3	13.6	252	24	20.7	19.5	255													05	27.2	25.6	268

STATION	BHOPAL/BAIRAGARH								BHUBANESWAR												BHUJ/RUDRAMATA			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.1	00.5	108	31	02.5	01.7	065	31	01.6	01.2	024	31	02.9	01.2	102	31	01.3	00.5	149	31	01.4	01.2	351
.15 A.G.L.	29	04.1	00.7	067	26	06.8	04.8	076	30	02.9	01.3	042	31	04.0	02.5	113	31	05.2	03.6	146	31	04.8	03.9	010
.3A.M.S.L.									30	03.3	01.1	091	31	04.0	02.4	109	31	05.2	03.3	147	31	05.5	04.3	022
.6 ,,	29	03.7	00.8	083	28	06.0	04.4	071	30	03.1	01.4	068	31	03.1	02.0	092	31	04.0	02.0	140	31	06.5	04.4	036
.9 ,,	29	04.0	00.7	145	27	05.9	03.4	094	30	03.4	02.2	052	31	02.9	01.5	056	31	03.0	01.1	064	31	05.5	01.6	030
1.5 ,,	28	04.3	02.6	223	27	04.7	02.9	199	30	03.6	01.6	007	28	04.0	02.9	346	30	04.0	02.6	009	30	05.3	00.9	261
2.1 ,,	25	06.3	04.8	233	26	06.8	05.3	223	30	04.0	02.7	332	22	05.6	05.0	329	27	04.4	02.5	336	28	05.4	01.7	246
3.0 ,,	24	08.7	07.5	239	21	09.9	09.1	235	26	05.8	04.6	291	20	06.1	05.3	285	23	05.4	04.0	254	25	05.6	03.5	265
3.6 ,,	19	09.6	08.2	248	15	11.5	10.7	242	24	07.3	06.0	277	18	07.4	06.6	273	09	05.5	05.0	259				
4.5 ,,	17	13.1	11.9	252	03	15.3	15.3	255	21	10.0	08.9	267	16	09.6	08.7	273								
5.4 ,,	16	17.4	16.3	257	01	16.0	16.0	255	20	12.5	11.9	264	11	13.5	12.9	269								
6.0 ,,	14	19.3	18.[illegible]	261	01	19.0	19.0	270	18	15.5	14.9	264	10	16.4	15.8	271								
7.2 ,,	11	23.5	22.4	265					09	20.7	20.0	261	05	18.2	17.2	265								
9.0 ,,	05	31.6	31.5	265																				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

DECEMBER,1967 (AGRAHAYANA 10 - PAUSA 10,1889 SAKA)

STATION	BHUJ/RUDRAMATA								BIKANER								BOMBAY/SANTACRUZ			
IME IN I.S.T.	1730				2330				0530				1730				2330				0530*			
T IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
RFACE	31	02.9	01.9	355	31	02.1	01.5	343	31	00.3	00.2	097	31	01.0	00.3	017	31	00.9	00.6	029	31	00.3	00.3	042
.15 A.G.L.	31	04.8	03.0	355	30	06.6	04.9	354	27	06.0	03.6	080	31	04.4	01.8	034	31	07.4	04.7	061	30	04.0	03.1	037
.3A.M.S.L.	31	04.8	02.9	356	30	06.9	05.0	360	27	05.5	03.2	081	31	04.4	01.9	031	31	06.5	04.1	053	30	04.3	03.2	042
.6 ,,	31	04.8	02.5	360	30	07.2	05.3	016	27	06.0	02.9	092	30	04.5	02.1	034	30	06.4	03.7	071	30	04.2	01.9	065
.9 ,,	31	04.6	02.5	013	30	06.2	04.0	035	26	04.4	01.1	089	30	04.6	01.2	041	29	05.3	02.4	114	30	03.9	01.0	104
.5 ,,	30	04.6	00.7	344	30	05.4	01.0	141	22	04.5	02.2	250	29	04.9	01.4	253	28	05.0	03.0	188	30	04.5	02.6	183
.1 ,,	30	05.6	01.5	260	29	05.7	01.4	231	22	05.5	03.2	240	28	05.6	03.8	232	27	05.1	04.3	223	30	06.1	05.3	194
.0 ,,	28	06.8	04.2	258	27	06.4	04.0	256	20	07.3	05.7	255	24	06.5	05.4	259	24	06.7	05.2	247	30	07.5	06.2	214
.6 ,,	25	08.4	05.8	258	02	11.0	10.9	238	17	09.5	08.2	258	22	08.2	07.4	265	09	08.0	07.7	264	30	08.7	06.5	238
.5 ,,	25	11.5	09.0	256					15	11.6	10.1	268	20	11.1	10.3	265	03	10.7	10.6	284	30	11.3	09.5	253
.4 ,,	24	15.4	12.1	262					11	15.5	14.0	269	17	16.3	15.2	268	02	18.0	13.1	278	30	13.9	11.9	266
.0 ,,	24	17.5	14.2	265					10	18.4	16.9	272	03	18.0	17.2	269	01	22.0	22.0	259	30	16.2	15.6	245
.2 ,,	11	19.5	17.8	267					03	26.7	25.3	282	03	33.0	31.0	284					26	20.1	17.1	265
.0 ,,	01	18.0	18.0	274																	28	27.9	25.9	268

STATION	BOMBAY/SANTACRUZ												CALCUTTA/DUM DUM											
IME IN I.S.T.	1130				1730*				2330				0530*				1130				1730*			
T IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
RFACE	31	01.4	00.9	064	31	03.6	02.9	309	31	00.2	00.1	023	31				31	00.7	00.5	013	31	00.6	00.6	338
.15 A.G.L.	31	03.2	02.2	063	30	05.4	04.8	329	31	04.0	01.0	039	31	04.0	02.5	023	31	02.3	01.6	005	31	03.3	02.8	349
.3A.M.S.L.	31	03.5	02.1	063	30	04.9	04.1	327	31	03.1	01.8	026	31	03.5	01.9	023	31	02.4	01.9	350	31	03.1	02.6	353
.6 ,,	31	03.3	01.8	092	30	03.8	01.5	307	31	02.6	01.6	347	31	03.2	01.7	005	31	02.9	02.2	342	31	03.2	02.4	345
.9 ,,	31	03.2	01.6	134	30	03.4	00.7	229	31	03.3	02.6	320	31	03.3	02.5	334	31	04.0	03.1	326	31	03.6	02.6	335
.5 ,,	30	04.0	02.1	187	30	04.1	02.4	176	29	06.4	06.0	312	31	05.9	05.3	320	30	06.3	05.8	314	31	05.4	04.9	317
.1 ,,	30	06.0	05.1	202	30	05.6	03.9	188	28	08.2	07.4	307	31	07.8	07.3	312	29	08.3	07.7	302	31	07.9	07.6	308
.0 ,,	28	07.7	06.1	234	30	07.4	05.3	237	22	09.3	08.9	293	31	10.4	09.6	295	28	11.8	10.9	294	31	10.3	09.7	295
.6 ,,	25	08.8	07.4	248	30	08.4	06.8	249	01	11.0	11.0	275	31	11.9	11.2	285	24	12.8	12.1	288	31	12.2	11.7	285
.5 ,,	25	11.5	10.2	256	30	10.0	08.4	255					31	14.3	13.6	277	22	15.8	15.0	280	31	14.3	13.5	276
.4 ,,	23	14.3	12.6	258	30	12.3	10.3	258					31	17.1	16.7	275	16	18.8	18.3	277	31	17.7	17.0	274
.0 ,,	23	16.2	14.1	255	29	14.6	12.2	262					31	19.7	19.2	272	14	22.9	22.5	270	31	20.8	20.0	271
.2 ,,	19	21.2	19.3	265	30	18.9	16.5	263					31	24.0	23.2	267	06	27.5	26.7	276	30	25.5	24.7	267
.0 ,,	16	26.1	24.5	263	30	25.8	24.0	264					28	32.6	31.8	265	02	44.0	43.5	277	30	32.2	31.3	262

STATION	CALCUTTA/DUM DUM				COCHIN/WILLINGDON												DEHRADUN			
IME IN I.S.T.	2330				0530				1730				2330				0530				1730			
T IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
RFACE	31	01.2	00.9	030	31	01.0	00.8	061	31	03.2	02.5	268	31	01.0	00.4	028	31	00.1	00.1	023	31	00.6	00.3	266
.15 A.G.L.	31	05.0	03.9	015	31	03.4	02.5	074	31	04.3	03.1	274	31	03.1	00.7	061	30	01.8	00.7	057	30	02.4	01.3	266
.3A.M.S.L.	31	04.9	03.4	007	31	03.2	02.2	075	31	03.9	02.7	286	31	02.9	00.5	073								
.6 ,,	31	03.7	01.7	015	31	03.5	02.3	081	31	03.5	02.1	348	31	03.5	01.9	087								
.9 ,,	31	02.9	00.1	282	31	03.9	02.9	077	31	04.2	03.1	028	31	04.3	03.2	085	30	01.6	00.6	089	30	02.4	01.1	254
.5 ,,	31	04.4	02.8	183	30	04.5	03.7	075	31	06.5	04.8	071	29	05.2	04.2	076	30	01.9	01.5	130	30	02.5	01.2	142
.1 ,,	30	06.1	04.6	186	28	05.1	03.4	071	30	06.4	04.0	070	24	05.5	04.0	064	29	03.5	01.7	116	30	03.8	01.5	125
.0 ,,	26	07.5	05.2	218	18	04.0	01.7	092	27	05.0	03.1	066	09	04.3	01.4	006	26	03.7	00.8	181	28	04.7	01.5	161
.6 ,,	08	06.1	03.9	246	03	04.0	02.7	149	25	05.0	02.5	074					25	04.6	01.1	221	28	04.7	02.0	171
.5 ,,	04	08.8	05.5	264					13	05.2	02.6	119					24	06.7	05.1	252	25	06.4	03.9	256
.4 ,,	02	08.0	07.9	292					05	05.6	01.4	265					22	09.6	08.7	264	23	10.0	08.4	265
.0 ,,	01	03.0	03.0	286					01	02.0	02.0	256					22	13.0	12.5	265	23	13.2	11.5	268
.2 ,,																	20	21.3	20.7	269	18	19.4	18.1	266
.0 ,,																	12	31.0	31.0	257	10	30.3	27.1	268

STATION	DIBRUGARH/MOHANBARI																GADAG							
IME IN I.S.T.	0530				1130				1730				2330				0530				1730			
T IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
RFACE	31	00.3	00.1	074	31	00.6	00.4	067	31	00.2	00.1	038	31	00.3	00.2	023	31	04.4	03.8	117	31	03.0	02.6	102
.15 A.G.L.	30	04.1	03.4	062	31	01.9	01.0	057	31	01.9	00.9	065	30	03.2	02.5	060	31	08.3	07.3	116	31	04.9	04.2	100
.3A.M.S.L.	30	04.1	03.4	061	31	01.9	01.3	065	31	01.8	00.7	073	30	02.9	02.2	064								
.6 ,,	30	02.9	02.4	048	31	02.0	01.7	054	31	01.8	00.7	084	30	02.4	01.8	065								
.9 ,,	29	02.3	02.0	053	31	02.1	01.3	057	31	01.7	00.5	068	30	02.3	01.9	068	31	10.1	08.7	117	31	05.0	04.4	100
.5 ,,	29	02.2	01.7	061	31	02.0	00.4	094	31	02.0	00.7	358	30	02.5	01.1	098	30	08.1	06.6	104	30	05.2	04.6	098
.1 ,,	28	02.1	00.9	080	31	02.3	00.8	185	31	02.9	01.9	188	29	02.5	00.9	224	29	05.0	03.4	092	29	04.6	03.5	096
.0 ,,	24	02.7	00.2	219	31	02.6	01.2	208	31	03.2	02.0	189	26	03.6	02.0	209	29	04.8	01.6	121	26	03.9	01.1	145
.6 ,,	24	04.5	01.6	257	28	04.0	01.7	270	27	03.7	00.5	219	15	04.0	00.5	138	26	05.6	01.6	218	24	04.5	00.8	226
.5 ,,	17	09.3	06.7	272	26	16.4	09.2	281	22	08.6	04.9	270	01	04.0	04.0	136	25	06.0	03.4	241	19	06.2	03.6	250
.4 ,,	15	14.4	13.3	276	23	15.2	13.8	267	20	14.6	11.3	269					25	07.2	04.6	248	16	06.9	04.7	249
.0 ,,	15	18.9	17.5	276	23	20.7	20.3	274	18	18.7	18.1	272					24	08.4	05.9	254	15	08.9	06.7	251
.2 ,,	14	29.0	26.4	271	16	27.7	27.5	278	12	28.0	27.7	273					23	12.0	09.2	261	14	11.6	09.0	255
.0 ,,	04	37.7	35.8	271	10	45.7	45.3	275	01	49.0	48.5	294					20	16.5	14.4	257	12	14.2	12.7	249

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

DECEMBER,1967 (AGRAHAYANA 10 - PAUSA 10,1889 SAKA)

STATION	GADAG	GANGTOK								GAUHATI							
TIME IN I.S.T.	2330	0830				1730				0530*				1130				1730*			
HT IN KM.	N S V D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31 04.8 03.9 090	31	00.3	00.3	354	31	01.0	00.6	152	31	00.1	00.1	090	31	01.2	01.0	023	31	00.2	00.2	045
.15 A.G.L.	31 10.3 08.2 091	17	01.5	00.9	018	20	01.9	01.1	170	31	02.1	01.4	095	31	02.1	01.7	042	31	02.1	01.7	025
.3A.M.S.L.										31	02.3	01.5	092	31	02.1	01.7	066	31	02.2	01.6	034
.6 ,,										31	03.3	02.3	077	31	02.5	01.9	081	31	02.2	00.9	038
.9 ,,	31 10.9 09.0 094									31	03.9	01.7	068	30	02.7	01.7	091	31	02.3	00.4	029
1.5 ,,	31 08.2 07.4 099									31	03.9	00.1	089	30	03.0	00.9	135	31	03.7	02.7	243
2.1 ,,	29 05.0 02.8 105	17	01.2	00.4	343	20	01.7	01.4	190	31	04.9	02.1	272	30	03.4	01.4	268	31	05.0	03.6	244
3.0 ,,	28 03.2 00.7 096	16	01.7	01.3	143	23	01.2	00.5	018	31	08.2	07.1	274	27	07.5	07.1	270	30	07.5	06.8	275
3.6 ,,	26 04.5 01.4 201	14	02.9	00.7	206	09	02.1	01.7	283	31	15.0	12.2	282	26	14.7	14.1	270	29	13.1	12.7	279
4.5 ,,	20 05.9 03.0 240	11	10.7	08.6	252	04	08.7	08.7	263	31	20.5	19.4	276	24	20.4	20.0	275	30	21.0	20.7	276
5.4 ,,	12 07.7 03.9 233	11	17.9	17.7	261	02	20.5	20.0	264	30	25.2	25.2	277	22	22.4	22.1	273	29	25.8	25.5	276
6.0 ,,	07 06.7 03.8 251	09	20.7	08.9	244	01	20.0	20.0	250	30	28.3	27.8	273	21	26.6	25.9	274	29	29.4	29.0	279
7.2 ,,	01 06.0 06.0 280	08	31.4	31.1	265					27	36.6	35.9	273	13	35.3	34.8	270	25	36.2	35.2	273
9.0 ,,										19	48.8	47.5	272	03	47.3	46.4	279	19	47.2	45.9	273

STATION	GAUHAT	GAYA												GOA/DABOLIM							
TIME IN I.S.T.	2330	0530				1730				2330				0530				1730			
HT IN KM.	N S V D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31 00.9 00.6 196	31	01.2	00.5	189	31	02.4	01.9	302	31	01.2	00.4	226	31	02.3	01.9	082	31	05.1	03.2	306
.15 A.G.L.	31 02.3 01.0 157	29	03.5	01.3	205	31	03.7	02.6	304	27	05.1	01.9	303	30	04.9	03.9	073	31	04.6	03.3	284
.3A.M.S.L.	31 02.5 00.9 125	29	03.7	00.7	214	31	03.6	02.6	303	27	05.4	02.1	315	30	05.3	03.8	079	31	04.3	02.4	279
.6 ,,	31 02.8 01.0 102	29	04.5	01.7	277	31	03.8	02.8	294	27	05.1	03.2	288	30	05.9	03.4	086	31	03.1	00.5	026
.9 ,,	31 02.5 00.3 299	29	05.1	03.1	279	31	04.8	03.8	293	27	05.4	04.2	277	30	06.4	04.2	100	31	03.3	02.2	076
1.5 ,,	31 03.1 01.6 264	28	06.9	05.7	288	31	07.4	06.7	288	27	07.4	06.6	288	30	05.8	04.1	110	31	05.1	04.3	084
2.1 ,,	28 03.4 01.7 246	27	08.6	07.7	294	31	09.3	08.6	289	27	08.4	07.8	286	29	04.9	02.2	135	31	05.2	03.5	078
3.0 ,,	24 07.0 03.9 285	25	10.3	09.9	288	30	11.6	11.0	285	20	09.7	09.4	284	24	04.3	01.4	192	31	04.1	00.8	124
3.6 ,,	04 10.2 08.4 303	25	13.4	12.5	278	29	13.4	12.7	286	05	10.4	10.1	278	10	04.7	02.7	233	30	04.5	00.9	210
4.5 ,,	01 16.0 16.0 235	19	16.0	15.4	278	25	19.3	18.0	283	01	10.0	10.0	236	05	08.6	05.4	277	30	06.1	02.8	244
5.4 ,,	01 15.0 15.0 230	14	18.6	18.5	279	22	21.0	20.2	274									26	07.3	04.0	261
6.0 ,,		12	22.2	21.4	280	20	24.8	23.9	276									20	08.1	05.1	274
7.2 ,,		08	27.5	25.5	277	09	30.3	29.7	272									13	11.6	08.8	268
9.0 ,,		04	39.5	36.4	276	04	35.8	34.0	279									06	16.8	16.2	256

STATION	GOA/DABOLIM	GOPALPUR												GORAKHPUR							
TIME IN I.S.T.	2330	0530				1730				2330				0530				1730			
HT IN KM.	N S V D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31 03.1 02.7 033	31	02.4	02.1	332	31	03.2	02.6	124	31	01.7	00.7	245	31	00.7	00.4	293	31	00.8	00.5	267
.15 A.G.L.	31 05.8 05.2 358	30	04.3	02.8	343	30	05.2	04.2	109	29	03.6	01.7	152	28	04.5	02.6	311	31	03.5	01.8	277
.3A.M.S.L.	31 06.5 05.8 359	30	03.4	01.1	061	30	04.8	03.7	103	29	03.7	02.4	144	28	05.1	02.8	307	31	03.9	02.1	275
.6 ,,	31 05.6 03.9 005	30	03.4	01.7	098	30	04.0	02.9	079	29	03.5	02.5	121	28	05.8	03.2	295	31	04.8	03.0	271
.9 ,,	31 04.5 02.3 041	30	03.6	02.4	074	29	03.2	02.3	043	28	03.3	02.4	087	28	06.6	03.7	298	31	05.5	03.1	270
1.5 ,,	31 05.7 04.8 103	28	03.9	02.9	063	28	04.0	03.2	351	25	03.2	02.6	032	28	07.5	05.6	293	31	07.9	06.4	287
2.1 ,,	29 07.5 05.6 106	20	03.1	01.5	006	25	04.2	03.4	338	16	03.4	02.5	006	28	08.8	08.3	289	31	09.7	08.3	292
3.0 ,,	24 04.4 01.9 121	15	04.0	02.1	287	24	05.0	03.0	305	10	03.5	01.6	287	25	09.9	09.4	285	30	11.6	10.3	293
3.6 ,,	05 07.6 04.4 238	13	05.3	03.5	290	20	05.6	02.9	289	01	06.0	06.0	309	19	11.6	11.0	282	23	12.8	11.2	291
4.5 ,,		13	07.5	05.9	267	19	08.3	07.4	272					15	12.0	10.5	282	18	14.7	12.8	281
5.4 ,,		08	10.7	10.4	256	17	10.4	09.8	272					09	14.8	13.2	273	09	17.0	14.2	271
6.0 ,,		07	12.1	11.6	257	17	12.6	11.9	267					05	20.1	18.1	262	04	22.7	19.7	261
7.2 ,,		01	17.0	17.0	225	07	16.6	15.8	265					01	30.0	30.0	247	01	30.0	30.0	270
9.0 ,,						02	27.5	27.5	255												

STATION	GWALIOR													DEHAL/TULIHAL							
TIME IN I.S.T.	0530	1130				1730				2330				0530				1130			
HT IN KM.	N S V D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31 00.5 00.2 087	31	01.1	00.5	108	31	01.5	01.0	052	31	00.6	00.4	058	31	00.4	00.4	051	31	00.7	00.6	190
.15 A.G.L.	24 05.0 02.9 033	28	02.6	01.5	100	29	03.8	02.4	053	29	04.3	02.4	064	27	01.5	00.7	060	31	01.8	01.3	199
.3A.M.S.L.	24 04.0 01.8 074	28	02.4	01.3	103	29	03.4	02.1	051	29	03.8	02.2	059								
.6 ,,	23 04.7 02.7 087	28	03.2	02.1	119	29	04.0	02.0	062	29	04.2	02.1	105								
.9 ,,	21 05.0 02.1 110	25	04.0	01.8	138	27	03.8	01.4	083	29	04.2	01.7	162	27	01.5	00.8	056	31	01.7	01.3	201
1.5 ,,	20 04.3 02.1 262	22	04.8	02.4	214	24	04.4	02.2	254	27	04.9	03.5	253	27	02.5	00.2	316	31	02.5	01.2	219
2.1 ,,	18 06.1 04.7 262	19	05.4	02.8	260	24	05.6	05.6	261	25	06.5	05.6	263	27	04.5	02.9	261	31	04.2	03.0	258
3.0 ,,	15 08.1 07.3 264	17	06.2	04.6	258	20	08.0	08.0	266	22	10.0	08.7	264	24	09.0	08.1	277	30	09.5	08.9	275
3.6 ,,	14 08.6 07.9 265	15	07.5	06.5	258	18	11.2	09.8	264	10	11.3	09.8	280	18	14.3	13.4	277	29	14.3	13.9	279
4.5 ,,	12 11.9 11.4 266	14	11.2	10.6	260	14	13.9	13.1	273					13	19.2	13.9	279	26	20.7	20.2	277
5.4 ,,	10 18.2 17.2 264	14	16.4	15.5	263	13	18.2	17.0	273					11	22.3	21.5	277	19	24.8	24.2	278
6.0 ,,	10 21.5 20.5 266	14	19.1	18.2	264	13	20.8	19.9	272					10	26.7	25.8	276	18	28.5	28.4	279
7.2 ,,	09 25.9 24.3 267	12	25.8	25.1	265	08	27.9	26.7	271					07	31.4	30.3	274	18	33.2	32.7	277
9.0 ,,	05 35.0 34.7 259	06	39.5	38.7	268	07	38.9	36.8	275					01	32.0	32.0	275	12	43.0	42.8	279

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

DECEMBER,1967 (AGRAHAYANA 10 - PAUSA 10,1889 SAKA)

STATION	DHEHAL/TULDHAL								JABALPUR												JAGDALPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
URFACE	31	01.7	01.4	267	31	00.9	00.8	052	31	00.4	00.2	102	31	00.8	00.3	046	31	00.6	00.3	102	31	00.1	00.1	053
.15 A.G.L.	31	03.2	02.4	266	31	01.8	00.8	054	18	04.2	03.4	142	27	03.9	01.8	038	30	05.2	03.6	107	25	02.8	01.8	095
.3A.M.S.L.																								
.6 ,,									18	04.7	03.7	151	27	04.1	01.5	048	30	05.5	03.7	111	25	01.6	01.1	094
.9 ,,	31	03.1	02.3	264	31	01.8	01.0	057	18	05.9	04.9	185	26	04.0	00.8	099	29	04.2	02.6	141	25	03.6	02.5	112
1.5 ,,	31	03.2	02.5	249	31	02.5	01.4	254	17	04.8	03.4	214	26	03.6	01.7	224	29	04.0	02.2	201	25	03.5	01.6	100
2.1 ,,	31	04.2	03.5	259	30	04.0	03.3	249	17	04.9	03.3	253	24	05.9	04.6	255	25	05.0	03.4	243	25	03.8	00.8	074
3.0 ,,	31	09.5	05.9	283	27	08.5	07.9	274	14	07.3	06.7	276	22	07.4	06.7	262	22	08.1	06.9	253	24	05.4	01.7	254
3.6 ,,	28	14.8	14.3	280	20	11.7	11.3	283	13	08.2	07.4	271	21	09.1	08.1	258	12	10.4	09.4	260	20	04.9	03.3	251
4.5 ,,	26	20.8	20.4	280	02	19.0	18.9	274	12	11.5	10.9	269	17	13.8	12.7	267	01	13.0	13.0	275	18	08.6	06.0	251
5.4 ,,	19	24.5	23.7	283					11	14.8	14.5	270	14	17.0	16.1	271					16	11.3	10.3	257
6.0 ,,	17	25.2	24.7	281					11	18.1	17.5	268	13	20.8	20.2	271					15	14.3	16.0	257
7.2 ,,	07	28.0	27.3	280					05	24.6	24.2	272	07	23.6	23.2	272					12	17.5	16.3	263
9.0 ,,																					08	24.1	23.6	260

STATION	JAGDALPUR								JAIPUR												JAMSHEDPUR			
TIME IN I.S.T.	1730				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
URFACE	31	00.9	00.3	032	31	00.5	00.3	080	31	01.6	01.5	098	31	01.8	01.6	103	31	01.6	01.5	087	31	00.3	00.3	310
.15 A.G.L.	29	03.1	01.4	046	30	04.3	03.0	088	27	04.7	03.9	094	31	03.5	02.5	098	29	05.5	05.1	086	31	02.0	01.1	352
.3A.M.S.L.																					31	02.0	00.7	024
.6 ,,	29	02.1	01.0	045	30	03.0	01.9	083	27	05.0	03.8	108	31	03.4	02.3	093	29	05.8	04.9	095	31	02.6	00.4	033
.9 ,,	29	03.3	01.7	050	30	04.8	03.2	097	27	04.9	03.5	138	31	03.7	02.0	100	28	05.1	04.0	115	31	03.3	00.7	267
1.5 ,,	29	03.1	01.7	059	30	03.9	02.4	104	24	03.9	02.9	194	29	04.7	01.8	215	27	04.3	02.2	199	30	04.5	03.2	302
2.1 ,,	28	03.5	01.0	066	27	03.2	01.1	144	19	06.3	04.9	250	27	07.0	04.7	244	27	06.0	04.5	238	30	07.0	06.0	300
3.0 ,,	24	03.5	01.3	252	23	04.2	02.4	255	16	07.9	06.9	251	20	07.7	06.7	254	24	07.7	06.5	259	19	09.8	09.0	295
3.6 ,,	19	05.0	03.1	240	08	04.9	03.5	253	14	08.4	06.9	256	19	10.1	08.8	258	12	07.3	06.7	276	16	11.7	10.9	283
4.5 ,,	18	08.7	07.1	264	02	07.5	06.0	244	14	12.1	10.9	264	17	13.9	12.1	266					13	15.2	14.4	273
5.4 ,,	17	12.1	11.3	262					12	16.8	15.8	264	17	17.5	16.6	265					11	19.3	18.2	272
6.0 ,,	17	13.8	12.9	259					12	20.7	19.7	266	13	19.9	18.5	271					07	21.3	20.6	265
7.2 ,,	16	17.7	16.3	259					03	20.0	19.0	254	06	22.0	20.8	274					01	21.0	21.0	261
9.0 ,,	11	22.8	22.2	252																				

STATION	JAMSHEDPUR								JHARSUGUDA								JODHPUR							
TIME IN I.S.T.	2330				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
URFACE	31	01.0	00.6	350	31	01.4	01.3	047	31	01.1	00.2	197	31	01.3	00.8	053	31	04.4	03.5	062	31	02.7	01.9	061
.15 A.G.L.	31	02.4	01.4	351	28	03.7	03.1	061	29	02.7	00.6	125	29	03.8	01.4	078	31	06.5	04.8	112	31	04.8	02.6	092
.3A.M.S.L.	31	02.4	01.4	352	28	03.5	03.1	054	29	02.7	00.4	151	29	03.3	01.6	061	31	05.4	04.3	067	31	04.2	02.5	057
.6 ,,	31	02.2	01.3	340	28	04.0	02.8	089	29	02.5	00.4	093	29	03.8	01.1	094	31	05.9	03.5	098	31	04.8	02.3	083
.9 ,,	31	02.7	01.6	316	28	03.5	01.3	121	29	02.4	00.2	062	29	02.9	00.8	129	31	04.8	02.0	251	30	04.9	02.1	113
1.5 ,,	31	05.4	04.5	303	26	04.1	00.6	277	29	03.4	01.2	007	30	03.7	00.4	345	31	06.4	04.0	243	28	04.5	02.8	213
2.1 ,,	30	08.2	07.6	301	25	05.3	02.7	308	27	05.5	03.5	330	28	04.3	02.1	343	31	05.2	03.6	243	28	05.0	03.5	219
3.0 ,,	23	09.9	09.3	294	21	06.5	05.5	288	24	07.3	06.6	285	20	06.0	03.9	297	30	07.5	05.6	256	23	07.6	05.9	250
3.6 ,,	20	13.0	12.6	281	21	08.1	06.7	280	22	10.6	09.9	280	01	12.0	12.0	275	29	09.4	07.9	257	21	09.8	07.9	255
4.5 ,,	14	15.0	14.8	274	18	11.2	09.3	270	20	12.6	11.8	272					28	13.7	11.8	261	21	15.7	12.8	257
5.4 ,,	10	17.3	17.1	273	15	15.3	14.1	271	16	15.8	14.7	277					28	18.1	16.4	266	21	19.5	17.4	258
6.0 ,,	09	20.9	20.6	272	12	19.0	18.1	265	14	18.6	18.1	275					27	21.9	19.7	260	20	22.5	22.0	256
7.2 ,,	01	23.0	23.0	275	08	22.2	20.8	260	08	21.1	20.5	268					24	27.3	25.4	263	09	26.9	25.8	265
9.0 ,,					04	26.8	25.3	255	01	23.0	23.0	275					22	36.1	31.0	261	01	23.0	23.0	274

STATION	JODHPUR								LUCKNOW/AMAUSI															
TIME IN I.S.T.	1730*				2330				0530*				1130				1730*				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
URFACE	31	02.9	01.1	033	31	04.7	03.5	046	31	00.5	00.3	295	30	02.4	00.4	339	31	01.4	00.6	298	31	01.7	00.7	290
.15 A.G.L.	31	03.9	01.9	030	31	07.9	05.4	053	26	06.0	02.9	340	30	03.5	00.7	319	31	04.1	01.5	302	28	05.5	02.8	299
.3A.M.S.L.	31	03.4	01.7	032	31	06.4	04.4	038	26	06.1	02.9	341	30	03.5	00.5	319	31	04.1	01.5	301	28	05.5	02.9	301
.6 ,,	31	03.9	01.7	040	31	07.6	04.8	072	26	05.3	03.0	313	30	04.7	00.9	278	31	04.9	01.7	299	28	05.8	03.4	305
.9 ,,	31	04.0	01.0	059	31	06.3	01.2	116	26	05.4	04.0	296	30	05.2	02.3	280	31	05.2	02.6	290	28	05.7	03.8	299
1.5 ,,	30	03.8	02.2	229	30	04.8	03.0	162	26	06.7	05.6	275	29	06.8	04.9	286	30	06.3	04.3	294	27	06.2	04.7	287
2.1 ,,	30	05.5	04.5	236	28	04.7	03.2	231	25	08.3	07.0	275	27	08.0	07.1	289	29	06.9	06.0	293	26	07.3	06.3	283
3.0 ,,	30	08.1	06.9	243	21	05.8	04.1	259	24	10.1	08.5	267	23	08.3	07.5	278	28	09.4	08.5	279	20	08.1	07.6	270
3.6 ,,	30	09.9	09.0	250	04	07.5	06.1	262	22	12.6	11.6	270	21	08.4	07.8	280	22	11.8	11.4	282	01	08.0	08.0	255
4.5 ,,	30	13.9	12.8	257					21	13.6	13.0	265	19	11.7	11.0	270	21	14.2	13.3	262	01	13.0	13.0	290
5.4 ,,	30	17.9	16.1	261					20	18.0	17.1	262	18	16.7	16.3	270	20	17.6	16.9	261				
6.0 ,,	28	22.3	20.1	264					20	21.9	21.0	257	18	21.0	20.6	259	18	20.4	19.8	266				
7.2 ,,	25	25.4	22.2	266					20	31.7	30.5	255	13	27.2	26.6	270	18	29.4	28.6	260				
9.0 ,,	24	36.8	33.3	264					14	41.9	41.1	251	07	39.4	37.8	269	13	42.9	42.3	259				

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

DECEMBER, 1967 (AGRAHAYANA 10 - PAUSA 10, 1889 SAKA)

STATION	MADRAS/MINAMBAKKAM												MANGALORE/BAJPE							
TIME IN I.S.T.	0530*				1130				1730*				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	04.8	04.1	050	31	03.6	02.7	052	31	05.5	05.0	060	31	02.4	02.2	050	31	01.7	01.5	089	31	04.5	04.1	274
.15 A.G.L.	29	05.7	05.0	053	31	05.5	04.6	053	30	06.9	06.5	061	30	05.9	05.6	059	30	05.8	04.6	088	31	05.3	04.6	285
.3A.M.S.L.	29	05.7	05.1	060	31	06.4	05.2	061	30	06.8	06.1	060	30	06.8	06.4	062	30	06.0	04.8	088	31	05.3	04.5	287
.6 ,,	28	06.1	05.3	071	31	06.6	05.2	067	30	06.7	05.7	061	30	07.5	07.0	065	30	05.4	04.3	096	31	03.5	01.9	326
.9 ,,	28	06.5	05.9	076	25	07.4	06.0	068	30	06.9	06.0	065	30	07.7	07.1	068	30	04.4	03.3	097	31	02.8	01.4	035
1.5 ,,	23	06.3	05.2	075	20	07.5	05.9	075	30	06.9	05.3	073	29	07.6	06.4	079	30	04.2	02.8	106	31	05.3	04.1	076
2.1 ,,	28	06.4	04.4	075	11	09.2	06.5	096	30	07.0	04.9	080	29	07.7	05.8	082	30	04.9	03.2	093	29	06.9	05.6	076
3.0 ,,	28	05.1	03.3	096	07	10.1	07.6	095	30	05.9	03.0	088	25	05.9	03.9	089	29	04.9	01.4	076	28	05.1	02.4	072
3.6 ,,	28	05.8	02.3	108	04	08.3	05.3	107	30	05.6	02.5	110	17	05.5	03.1	096	29	04.7	00.7	095	26	05.5	01.2	099
4.5 ,,	28	05.2	01.9	157	02	10.0	09.6	115	30	05.1	01.4	138	07	07.4	02.3	073	25	05.9	00.5	145	25	05.5	01.5	129
5.4 ,,	28	05.8	02.8	167	02	09.5	09.3	136	30	05.7	02.3	183	06	07.3	01.4	146	21	06.0	01.6	249	23	05.8	00.6	222
6.0 ,,	28	05.9	01.5	197	02	08.0	07.8	132	30	05.6	00.9	190	05	08.4	03.6	116	20	06.2	02.3	256	22	06.7	02.0	169
7.2 ,,	28	07.1	01.9	264	03	09.0	04.2	195	30	06.8	01.7	277	03	08.0	06.1	097	18	08.5	03.5	258	18	08.1	02.9	249
9.0 ,,	28	06.3	05.0	253	03	11.3	05.5	195	30	09.1	05.8	250	03	10.0	09.6	112	14	10.7	08.4	244	12	09.7	07.0	271

STATION	MANGALORE/BAJPE				MINICOY												NAGPUR/SONEGAON			
TIME IN I.S.T.	2330				0530				1130				1730*				2330				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.2	00.7	008	31	01.2	00.6	350	31	01.9	01.0	011	31	02.3	01.9	002	31	01.1	00.7	042	31	01.2	01.0	074
.15 A.G.L.	31	04.1	02.5	348	31	03.4	01.7	021	30	03.9	02.4	013	31	03.4	02.1	012	31	03.3	02.1	042	31	04.8	03.6	097
.3A.M.S.L.	31	04.1	02.2	347	31	03.3	01.6	025	30	04.2	02.6	020	31	03.7	02.6	020	31	03.3	02.2	047				
.6 ,,	31	04.3	01.6	349	31	03.8	02.1	040	30	04.6	03.0	034	31	04.2	03.0	033	31	03.7	02.7	052	31	05.1	04.0	111
.9 ,,	31	04.1	01.3	028	28	05.0	03.3	072	29	05.2	03.6	057	31	04.6	03.1	053	31	04.5	03.3	067	31	05.3	03.9	135
1.5 ,,	31	04.8	03.7	094	27	06.6	05.3	079	25	05.2	04.2	081	31	04.8	03.4	065	29	05.9	04.6	075	31	04.9	03.2	162
2.1 ,,	28	06.2	04.8	087	21	05.1	03.6	082	23	04.6	03.3	078	31	04.4	02.6	071	27	05.7	04.2	073	31	05.5	03.7	241
3.0 ,,	23	04.7	01.7	072	19	04.8	02.5	108	19	04.9	01.8	097	30	05.0	01.9	079	22	04.3	02.0	092	30	07.4	05.7	250
3.6 ,,	13	05.5	01.1	305	18	04.5	03.2	101	13	05.3	03.0	093	30	04.5	02.3	088	12	03.3	00.9	140	30	08.8	06.5	245
4.5 ,,	10	06.2	01.0	074	15	04.0	02.9	109	10	05.8	03.2	079	30	04.4	02.1	077	05	04.8	03.7	094	29	12.2	10.6	255
5.4 ,,	07	05.0	00.8	355	13	05.4	03.4	104	08	06.1	03.8	089	30	05.4	03.3	063					29	16.1	15.2	255
6.0 ,,	06	05.3	02.1	081	12	06.4	03.6	102	06	06.3	03.9	103	30	06.1	03.6	062					28	17.9	15.9	253
7.2 ,,					09	06.1	01.0	096	04	08.5	06.2	108	30	06.8	01.6	076					28	25.1	23.7	253
9.0 ,,					07	05.9	04.1	165	02	02.5	01.3	310	30	06.8	02.9	169					28	33.5	31.9	253

STATION	NAGPUR/SONEGAON												NEW DELHI/SAFDARJUNG							
TIME IN I.S.T.	1130				1730*				2330				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	01.3	00.6	027	31	14.8	00.9	079	31	01.5	01.2	095	31	01.4	00.2	340	31	02.1	00.2	173	31	01.6	00.2	352
.15 A.G.L.	29	03.1	01.0	109	29	03.0	01.6	090	29	05.9	04.6	109	30	04.6	01.7	322	27	03.4	00.8	304	31	04.3	01.1	307
.3A.M.S.L.													30	03.4	01.1	325	27	02.9	00.8	296	31	02.9	00.3	297
.6 ,,	28	03.3	02.0	149	29	03.3	02.0	101	29	05.6	04.3	121	30	04.9	01.3	314	27	04.2	01.7	304	31	04.8	00.7	317
.9 ,,	24	03.8	03.0	182	29	03.7	01.8	225	29	04.5	03.0	132	30	05.4	01.0	269	27	04.6	01.9	281	31	05.3	00.5	354
1.5 ,,	21	05.4	00.5	154	29	04.6	01.4	215	27	04.0	01.0	181	30	05.0	02.3	253	27	05.0	02.5	251	31	05.2	02.2	265
2.1 ,,	21	05.3	01.9	235	29	05.8	02.0	236	23	04.3	01.7	243	30	05.5	03.4	251	25	05.1	03.4	251	30	05.5	03.0	245
3.0 ,,	16	05.1	02.3	237	29	07.0	04.9	248	21	06.4	04.4	257	30	06.6	05.1	255	22	06.3	05.6	255	29	06.6	05.3	239
3.6 ,,	14	06.8	05.2	247	29	09.0	07.5	247	06	07.7	07.0	252	30	08.4	05.8	259	21	06.8	06.0	261	29	08.9	07.0	241
4.5 ,,	12	10.7	09.9	251	29	11.6	10.3	260					29	11.6	10.7	263	20	09.4	08.6	262	30	12.3	10.9	253
5.4 ,,	11	13.9	13.2	256	28	15.3	13.9	254					29	15.7	14.4	257	17	15.1	14.2	266	30	16.6	14.6	255
6.0 ,,	11	15.6	15.1	259	28	21.6	17.5	250					29	18.5	17.3	258	17	16.8	17.8	264	30	18.3	16.8	254
7.2 ,,	11	19.8	19.2	262	28	24.2	23.0	251					26	25.4	24.5	260	16	26.2	25.2	264	30	24.6	23.4	259
9.0 ,,	10	28.6	27.5	258	28	34.9	33.4	252					27	36.5	35.7	256	09	41.7	38.2	265	30	34.4	32.3	255

STATION	NEW DELHI/SAFDARJUNG				POONA												PORT BLAIR							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	00.9	00.4	295	31	00.1	00.1	225	31	00.5	00.4	083	31	00.1	00.1	225	31	04.6	04.1	059	31	04.5	04.1	071
.15 A.G.L.	31	05.0	02.2	316	29	03.2	02.0	098	31	03.1	00.9	085	29	03.1	00.2	001	31	07.2	06.9	063	31	07.0	06.6	072
.3A.M.S.L.	31	04.1	01.7	325													31	07.4	07.1	062	31	07.2	06.8	072
.6 ,,	31	05.1	00.9	304	29	01.6	00.2	142	31	02.2	00.5	085	29	01.6	00.5	259	31	07.4	07.1	070	31	08.3	07.9	077
.9 ,,	31	04.2	01.3	264	29	04.5	03.3	106	31	03.3	00.7	097	29	03.7	00.3	062	31	08.1	07.5	076	30	08.2	07.6	085
1.5 ,,	30	05.0	02.6	252	27	06.5	05.2	140	31	03.1	01.5	167	28	04.3	02.7	131	31	07.6	07.0	081	28	07.0	06.5	093
2.1 ,,	28	05.3	03.7	249	26	05.7	04.6	170	28	03.2	02.3	201	28	05.0	03.6	142	31	06.4	05.6	088	23	06.0	04.9	084
3.0 ,,	24	06.5	05.6	259	19	06.6	05.2	231	23	05.4	04.3	240	23	05.4	03.0	206	30	04.9	03.5	086	21	05.0	03.5	077
3.6 ,,	05	07.4	06.9	265	13	07.8	06.1	251	18	06.9	05.2	251	13	06.9	05.6	239	30	04.8	02.7	083	18	04.3	02.4	091
4.5 ,,					02	14.5	14.3	242	14	09.0	08.1	275	02	07.0	06.7	288	29	05.4	03.0	091	17	04.4	02.3	109
5.4 ,,									13	12.0	10.5	282					29	06.0	03.6	078	15	05.5	03.3	083
6.0 ,,									13	14.2	12.1	279					29	06.7	03.5	083	13	06.5	04.0	077
7.2 ,,									06	14.8	13.8	274					29	07.2	03.4	122	10	07.5	02.8	094
9.0 ,,									01	18.0	18.0	270					28	06.9	01.3	195	08	09.8	02.0	125

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

DECEMBER,1967 (AGRAHAYANA 10 - PAUSA 10,1889 SAKA)

STATION	PORT BLAIR								RAIPUR												RAXAUL			
TIME IN I.S.T.	1730*				2330				0530				1730				2330				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
URFACE	31	04.9	04.5	058	31	04.8	04.5	074	31	00.8	00.4	075	31	01.1	00.6	028	31	01.0	00.8	071	31	01.4	00.7	043
.15 A.G.L.	31	07.5	07.3	064	31	08.0	07.4	076	26	03.6	02.3	091	28	02.6	01.5	021	28	05.4	04.0	077	26	02.8	00.6	054
.3A.M.S.L.	31	07.6	07.3	064	31	07.7	07.4	078													26	02.8	00.9	026
.6 ,,	31	07.7	07.4	065	31	07.5	07.3	081	26	04.2	02.8	105	28	02.8	01.7	029	28	05.5	04.1	084	26	03.0	00.1	256
.9 ,,	29	07.8	07.4	069	29	07.6	07.4	084	25	04.2	02.6	120	26	02.7	01.5	047	27	04.7	03.3	093	26	03.3	00.4	159
.5 ,,	29	07.5	06.8	083	26	06.6	06.6	091	24	03.6	01.6	156	26	02.8	00.5	097	27	03.7	01.7	098	25	04.3	00.7	237
2.1 ,,	27	06.7	05.4	083	19	06.0	05.1	098	24	04.2	01.8	286	26	03.5	01.1	298	27	04.0	00.4	201	17	05.3	03.5	288
.0 ,,	27	05.7	04.1	083	13	05.0	02.8	093	21	05.1	04.0	284	25	05.5	04.1	271	23	04.8	03.0	248	13	09.4	08.6	276
.6 ,,	26	05.1	03.5	082	08	04.3	00.9	056	20	07.1	06.0	272	25	08.2	06.8	261	16	07.0	05.8	262	07	07.2	06.0	274
.5 ,,	26	05.3	03.4	089	03	07.7	07.3	073	20	10.0	09.2	266	18	10.7	10.1	258	05	10.8	10.4	272	04	13.2	13.1	283
.4 ,,	26	07.3	04.6	083					19	14.0	13.2	265	16	13.5	12.5	265					03	16.6	16.6	283
.0 ,,	26	07.1	03.8	083					18	17.2	16.5	261	15	15.9	15.1	263					03	17.0	17.0	287
.2 ,,	26	06.8	02.6	127					15	22.1	22.0	258	13	29.8	19.8	261					01	31.0	31.0	285
.0 ,,	25	07.1	00.9	201					08	28.1	27.5	259	07	25.1	24.2	267					01	20.0	20.0	280

STATION	RAXAUL				SRINAGAR								TIRUCHCHIRAPPALLI											
TIME IN I.S.T.	1730				0530*				1730*				0530				1730				2330			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
URFACE	31	02.0	01.8	265	22				24	00.1	00.1	330	31	03.2	02.5	009	31	04.4	03.4	065	31	03.3	02.4	043
.15 A.G.L.	31	04.4	03.0	264	22	02.4	01.0	130	24	02.2	00.3	093	25	06.7	06.5	028	28	05.7	05.2	065	28	07.3	06.8	056
.3A.M.S.L.	31	04.5	03.1	263									25	07.2	07.0	035	28	06.1	05.6	064	28	08.3	07.8	056
.6 ,,	31	04.9	03.2	271									25	08.5	08.2	046	28	06.8	06.3	059	28	09.0	08.4	059
.9 ,,	31	04.9	02.8	277									24	08.2	07.7	050	27	07.2	06.5	054	28	08.7	07.9	057
.5 ,,	30	07.0	03.9	282									24	06.7	06.1	059	25	06.8	05.6	050	28	06.9	06.3	060
2.1 ,,	23	06.0	03.3	286	22	02.1	01.3	119	24	02.2	00.6	148	21	06.0	04.9	065	21	05.4	04.2	066	26	06.2	05.1	076
.0 ,,	10	09.0	06.9	284	22	03.8	03.2	142	24	04.9	03.6	140	21	05.7	03.6	084	16	04.9	02.9	101	23	05.3	03.3	101
.6 ,,	06	13.0	11.0	280	22	08.5	07.7	154	23	07.1	06.7	148	20	05.7	03.5	100	17	05.3	03.2	097	19	05.7	03.3	105
.5 ,,	03	15.0	14.0	286	22	10.5	09.5	172	22	10.1	09.5	163	18	05.2	03.2	117	13	05.8	02.3	096	05	04.2	01.0	226
.4 ,,					21	12.2	09.3	199	19	11.8	09.7	208	16	06.2	03.6	128	11	06.7	04.2	127	01	06.0	06.0	080
.0 ,,					21	15.2	10.9	218	19	11.9	11.1	230	15	06.4	02.3	121	09	07.0	04.6	115				
.2 ,,					21	18.7	15.5	247	19	20.1	16.3	245	13	07.2	01.3	124	07	07.0	03.3	102				
.0 ,,					19	32.3	28.7	254	17	32.1	28.2	257	10	08.0	04.3	225	05	08.2	02.8	177				

STATION	TRIVANDRUM																UDAIPUR							
TIME IN I.S.T.	0530*				1130				1730*				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
URFACE	31	01.4	00.5	275	31	01.8	00.6	250	31	02.2	01.7	248	31	01.3	00.6	001	31	00.2	00.1	258	31	00.6	00.3	226
.15 A.G.L.	30	02.3	01.1	265	31	02.4	01.0	239	24	03.9	03.5	240	31	03.2	01.0	255	28	02.7	01.7	035	31	03.4	00.6	169
.3A.M.S.L.	30	02.2	01.1	266	31	02.3	00.9	252	24	03.4	02.8	244	31	03.2	01.2	250								
.6 ,,	30	02.3	00.4	110	31	02.4	00.5	010	26	02.8	01.8	254	31	02.9	01.0	300								
9 ,,	30	03.7	02.3	060	30	03.1	01.8	053	26	03.5	01.8	022	29	03.3	01.8	057	28	03.8	01.4	105	31	03.4	00.6	185
.5 ,,	30	04.8	03.0	050	25	04.8	02.7	063	29	05.7	04.3	048	26	06.2	04.6	062	26	06.3	04.0	192	31	04.2	02.0	220
2.1 ,,	31	05.0	02.4	053	18	04.3	02.5	064	30	05.7	03.9	052	20	06.2	03.9	055	25	07.7	06.2	218	29	06.2	04.6	235
.0 ,,	31	05.6	01.5	066	12	05.3	01.7	087	31	05.9	02.6	059	18	06.8	01.7	059	23	09.3	08.3	232	25	09.6	08.2	241
.6 ,,	31	05.7	02.0	078	11	05.0	04.1	100	31	06.0	02.8	069	16	07.1	04.1	075	22	09.5	08.3	247	21	11.5	09.7	244
.5 ,,	31	05.3	02.5	089	11	04.7	03.9	115	31	05.2	02.0	079	12	07.2	02.1	057	20	13.2	11.6	257	19	13.3	11.8	250
.4 ,,	31	06.1	03.2	097	08	07.1	05.7	119	31	06.2	02.5	082	06	08.0	01.0	040	17	15.1	13.5	262	16	17.4	16.1	253
.0 ,,	31	06.9	03.5	093	07	06.6	04.3	126	31	06.7	02.6	080	03	08.0	03.4	002	16	18.3	16.1	263	12	19.7	18.6	270
.2 ,,	31	07.4	03.5	087	06	07.2	03.9	144	31	07.4	02.9	071	02	13.0	12.6	360	08	24.1	22.7	273	09	22.1	20.7	274
.0 ,,	31	07.5	01.2	140	04	10.2	07.0	178	31	07.3	02.7	160	02	10.5	10.4	049	01	21.0	21.0	285	02	19.5	18.2	275

STATION	UDAIPUR				VENGURLA												VERAVAL							
TIME IN I.S.T.	2330				0530				1730				2330				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
URFACE	31	00.2	00.1	063	31	00.6	00.6	002	31	02.1	01.6	268	31	01.4	01.1	004	31	03.0	02.3	019	31	05.5	03.1	303
.15 A.G.L.	31	03.0	01.2	052	31	04.4	03.4	047	31	04.3	03.3	285	31	05.5	05.0	006	31	09.0	07.4	023	30	05.5	03.2	298
.3A.M.S.L.					31	04.9	03.3	059	31	04.1	02.8	286	31	06.1	05.2	005	31	07.8	05.2	027	30	05.4	03.2	302
.6 ,,					31	05.5	02.9	091	31	03.2	00.7	320	31	05.2	03.6	009	31	05.0	01.7	014	30	04.9	02.5	316
.9 ,,	31	03.8	01.7	075	30	05.4	03.1	113	31	02.9	00.7	056	31	04.6	02.5	030	31	04.3	01.1	283	30	04.5	02.2	333
1.5 ,,	30	04.0	01.9	150	30	04.8	03.6	124	30	04.4	03.1	090	29	05.2	03.7	098	31	05.6	03.7	228	30	04.5	01.0	317
2.1 ,,	27	06.4	05.3	215	30	04.4	02.7	143	29	05.8	04.3	087	28	06.6	05.4	107	31	06.7	05.2	230	30	05.8	03.5	239
3.0 ,,	22	09.7	08.5	234	29	03.8	01.7	230	28	05.3	01.8	086	25	05.2	02.3	142	30	08.3	05.9	229	29	09.5	07.8	241
3.6 ,,	20	10.7	09.1	251	20	04.6	01.9	254	28	05.4	00.5	169	22	05.9	01.5	213	03	05.0	04.8	255	28	10.3	08.7	250
4.5 ,,	02	15.0	14.9	249	04	08.0	02.5	274	26	06.3	02.0	263	03	06.0	03.9	230					26	14.0	12.1	252
5.4 ,,									25	08.0	04.5	265									26	17.7	15.5	262
6.0 ,,									25	09.6	06.0	270									26	20.2	17.9	263
7.2 ,,									23	11.7	08.7	264									22	25.0	22.1	264
9.0 ,,									17	16.6	15.0	255									15	32.7	29.9	260

TABLE IV - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS UPTO 9 KM ABOVE MEAN SEA LEVEL

DECEMBER,1967 (AGRAHAYANA 10 - PAUSA 10,1889 SAKA)

STATION	VERAVAL				VIJAYWADA/GANNAVARAM												VISHAKHAPATNAM							
TIME IN I.S.T.	2330				0530				1730				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	02.5	01.6	008	31	03.3	02.9	057	31	03.2	02.9	112	31	02.4	02.0	081	31	05.7	05.3	035	31	02.3	02.1	060
.15 A.G.L.	31	07.6	05.5	003	30	06.3	06.0	073	31	05.3	04.9	106	30	07.0	06.6	102	31	08.2	07.7	031	30	04.5	04.2	065
.3A.M.S.L.	31	08.0	05.4	005	30	07.0	06.7	088	31	05.6	05.2	108	30	07.6	07.3	104	31	07.5	07.2	041	30	05.1	04.8	063
.6 ,,	31	06.6	03.7	008	30	07.5	07.1	095	31	06.0	05.7	103	30	08.2	08.0	104	31	05.5	05.0	070	30	05.4	05.2	059
.9 ,,	31	05.1	01.8	033	30	07.5	07.2	099	31	05.6	05.2	098	30	07.7	07.4	099	31	05.1	04.4	078	30	05.4	05.1	065
1.5 ,,	31	04.8	01.0	178	30	06.5	05.7	095	28	05.6	04.6	079	30	06.7	05.6	090	31	05.0	04.0	073	28	04.7	04.2	067
2.1 ,,	31	06.3	04.3	219	29	05.5	04.2	098	27	05.0	03.9	065	29	05.3	03.8	084	31	04.0	02.6	093	27	03.7	02.7	061
3.0 ,,	31	07.9	06.0	230	28	04.5	01.3	100	26	03.4	01.1	025	29	03.9	00.8	082	31	03.7	00.4	283	26	03.4	00.4	019
3.6 ,,	18	10.6	08.8	242	27	04.6	00.5	163	24	04.2	01.3	307	27	04.4	00.6	239	31	04.5	01.8	268	26	04.3	02.1	253
4.5 ,,	03	15.7	11.0	258	26	05.0	02.8	225	23	04.2	02.4	251	24	05.4	04.0	258	31	06.3	04.6	251	25	06.3	04.7	252
5.4 ,,	01	13.0	13.0	235	24	06.4	05.0	237	22	06.5	05.1	256	13	07.8	06.4	261	31	08.5	07.4	259	24	08.2	06.6	251
6.0 ,,					24	07.9	06.8	245	22	08.3	06.7	248	11	08.8	07.2	255	31	09.7	08.4	255	24	09.9	08.5	254
7.2 ,,					22	11.0	09.8	249	19	10.3	09.0	261	04	08.0	08.0	229	31	13.5	12.0	261	18	12.7	11.9	251
9.0 ,,					18	15.0	13.6	256	11	15.1	13.4	265					31	18.1	16.6	258	15	18.4	17.5	256

STATION	VISHAKHAPATNAM																							
TIME IN I.S.T.	1730*				2330																			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
SURFACE	31	05.5	05.3	047	31	01.5	01.3	063																
.15 A.G.L.	31	07.5	07.3	049	29	03.9	03.2	075																
.3A.M.S.L.	31	07.1	06.9	056	29	04.1	03.3	076																
.6 ,,	31	06.2	05.7	076	29	04.8	04.3	078																
.9 ,,	31	05.4	04.4	067	26	04.7	04.3	078																
1.5 ,,	31	05.6	04.3	055	22	04.8	04.1	062																
2.1 ,,	31	04.1	02.0	041	15	04.1	03.3	067																
3.0 ,,	31	04.1	00.7	285	11	03.5	00.1	151																
3.6 ,,	31	04.7	02.2	252	09	05.0	02.1	304																
4.5 ,,	30	06.8	05.3	254	02	06.5	06.3	246																
5.4 ,,	30	09.7	08.3	251																				
6.0 ,,	30	10.1	09.1	256																				
7.2 ,,	30	12.9	12.1	256																				
9.0 ,,	30	19.5	18.2	251																				

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

DECEMBER,1967 (AGRAHAYANA 10 - PAUSA 10,1889 SAKA)

STATION	AHMADABAD												ANANTAPUR								AURANGABAD/CHIKALTHAN			
IME IN I.S.T.	0530*				1130				1730*				0530				1730							
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	13	51.0	47.8	255	12	41.9	41.7	256	13	43.2	41.3	261	07	17.1	15.5	234	01	20.0	20.0	220	07	27.1	25.8	288
12.0	05	52.6	49.5	260	07	41.4	40.6	255	09	42.8	39.0	261	06	20.5	19.5	215					01	26.0	26.0	285
14.1	01	51.0	51.0	240	03	31.7	30.2	275	03	46.7	42.5	254	04	16.7	15.5	241					01	23.0	23.0	275
16.2					02	32.5	32.5	271					04	09.7	06.0	244								
18.0					01	27.0	27.0	295					03	04.3	01.3	349								
21.0													02	12.0	06.9	260								
24.0																								
27.0																								
30.0																								
33.0																								

STATION	BANGALORE												BEGAMPET							
IME IN I.S.T.	0530@				1130				1730@				2330				0530*				1130			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5																								
12.0	07	14.7	13.1	209	13	16.2	14.2	223	16	15.2	13.6	213	02	07.5	06.9	274	20	25.6	24.4	246	02	22.0	22.0	245
14.1	07	16.3	15.1	202	13	19.5	17.4	217	15	18.8	10.5	212												
16.2	07	13.0	09.1	259	10	21.8	20.4	228	11	17.9	15.0	235												
18.0	07	07.9	01.9	276	10	20.1	17.1	243	09	12.6	09.2	232												
21.0	07	03.7	01.1	166	09	10.6	03.3	223	06	04.7	02.1	214												
24.0	05	03.8	02.0	111	09	07.3	00.7	352	05	06.4	03.1	097												
27.0	02	12.0	11.9	082	06	06.7	00.3	280	02	06.0	05.8	116												
30.0					02	09.0	08.9	214	01	25.0	25.0	091												
33.0					01	08.0	08.0	360																

STATION	BEGAMPET				BHOPAL/BAIRAGARH								BOMBAY/SANTACRUZ											
IME IN I.S.T.	1730*				0530				1730				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	21	26.5	25.5	250	04	35.0	33.7	263	02	54.0	53.7	278	28	32.5	30.4	260	12	31.0	30.4	264	29	32.0	29.5	258
12.0	20	29.9	29.0	243	02	38.5	37.1	258					28	37.2	35.7	250	05	36.6	36.2	248	28	35.7	33.9	253
14.1	20	24.2	23.6	247									18	37.1	36.1	243	01	42.0	42.0	229	18	32.2	30.9	244
16.2	18	18.0	15.7	255									10	28.5	27.0	255					10	31.9	29.7	253
18.0	16	07.7	07.7	262									02	13.5	13.4	270					03	16.7	15.0	247
21.0	08	04.5	00.9	302																	01	26.0	26.0	240
24.0	03	04.7	02.5	117																	01	12.0	12.0	215
27.0																								
30.0																								
33.0																								

STATION	CALCUTTA/DUM DUM												DEHRADUN								DIBRUGARH/MOHANBARI			
IME IN I.S.T.	0530*				1130				1730*				0530				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	25	38.0	37.5	267	01	58.0	58.0	265	29	37.3	36.6	261	07	41.0	40.7	250	02	36.0	36.0	258	03	52.7	51.3	267
12.0	21	40.8	40.0	262					24	39.7	38.4	263	02	40.0	40.0	257	01	40.0	40.0	265				
14.1	15	36.6	36.0	263					13	40.8	40.2	261												
16.2	15	26.2	25.3	265					09	29.7	29.5	255												
18.0	11	16.7	16.6	242					06	20.7	19.5	274												
21.0	09	14.5	10.9	277					03	30.0	29.7	258												
24.0	01	12.0	12.0	090																				
27.0	01	04.0	04.0	360																				
30.0																								
33.0																								

STATION	DIBRUGARH/MOHANBARI				GADAG								GAUHATI											
IME IN I.S.T.	1130				0530				1730				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	06	53.6	53.0	274	15	18.7	17.5	252	08	17.3	16.5	251	10	52.6	51.3	268	01	67.0	67.0	278	10	55.5	53.5	273
12.0	01	59.0	59.0	284	12	22.8	21.1	236	03	20.0	18.1	240	06	59.3	58.3	268					04	59.0	57.7	272
14.1					04	25.5	24.6	222	01	14.0	14.0	200	01	59.0	59.0	268								
16.2					03	14.0	13.7	247																
18.0					02	04.0	03.7	224																
21.0					01	03.0	03.0	175																
24.0																								
27.0																								
30.0																								
33.0																								

STATION	GAYA				GOA/DABOLIM								GWALIOR								IMPHAL/TULIHAL			
IME IN I.S.T.	0530				1730				0530				1130				1730				0530			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	02	40.5	39.0	286	03	24.0	24.0	233	02	41.5	41.3	269	01	45.0	45.0	259	01	37.0	37.0	264	01	41.0	41.0	275
12.0					02	20.5	20.1	220	01	43.0	43.0	270									01	44.0	44.0	277
14.1																								
16.2																								
18.0																								
21.0																								
24.0																								
27.0																								
30.0																								
33.0																								

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 Km ABOVE MEAN SEA LEVEL

DECEMBER,1967 (AGRAHAYANA 10 - PAUSA 10,1889 SAKA)

STATION	IMPHAL/TULIHAL				JAGDALPUR								JHARSUGUDA				JODHPUR							
TIME IN I.S.T.	1130				0530				1730				0530				0530				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	04	38.5	37.9	271	05	39.0	38.3	248	06	33.0	31.9	250	01	40.0	40.0	245	19	47.1	45.2	234	18	49.8	45.3	264
12.0	03	49.7	49.1	268	02	36.0	36.0	254	01	45.0	45.0	254					07	43.6	41.2	251	11	53.4	45.5	254
14.1	01	41.0	41.0	275	01	56.0	56.0	265									04	43.0	41.7	268	01	38.0	38.0	257
16.2	01	58.0	58.0	275													02	42.0	36.9	266	01	07.0	07.0	256
18.0																								
21.0																								
24.0																								
27.0																								
30.0																								
33.0																								

STATION	LUCKNOW/AMAUSI												MADRAS/MIRAMBAKKAM											
TIME IN I.S.T.	0530*				1130				1730*				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	12	48.0	47.0	253	04	44.3	42.7	265	12	49.2	47.9	249	28	14.2	11.0	225	02	08.0	06.5	142	29	14.0	11.3	225
12.0	06	59.2	58.5	251	01	65.0	65.0	250	07	54.3	53.4	253	26	15.5	12.2	210	02	04.0	01.7	036	28	16.1	13.1	213
14.1									01	44.0	44.0	265	25	11.5	06.5	240	01	04.0	04.0	100	26	13.3	06.6	231
16.2									01	16.0	16.0	266	17	08.0	01.0	267	01	01.0	01.0	135	19	08.6	03.7	249
18.0													07	06.0	02.0	127	01	01.0	01.0	340	16	06.0	03.0	249
21.0													04	05.7	03.1	258	01	05.0	05.0	193	10	05.0	02.3	183
24.0													01	09.0	09.0	070								
27.0																								
30.0																								
33.0																								

STATION	MADRAS/MIRAMBAKKAM				MANGALORE/BAJPE								MINICOY											
TIME IN I.S.T.	2330				0530				1730				0530				1130				1730			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	03	10.3	10.2	122	10	14.8	13.6	220	06	16.7	16.0	282	06	13.5	13.3	185	01	08.0	08.0	175	30	10.2	08.5	174
12.0	03	19.0	18.9	143	07	20.3	19.0	215	04	19.3	17.0	225	05	13.2	12.3	195	01	10.0	10.0	185	30	12.7	09.5	175
14.1	03	17.7	17.3	163	02	26.5	26.0	236	02	19.0	15.7	238	04	12.8	12.0	232	01	09.0	09.0	210	27	09.9	05.3	191
16.2	01	04.0	04.0	295	02	26.5	26.5	260	02	10.5	00.7	213	02	08.5	04.3	330	01	06.0	06.0	360	25	07.1	01.1	113
18.0	01	07.0	07.0	335	02	16.0	15.5	308	02	07.0	03.1	348									19	06.0	01.8	259
21.0	01	07.0	07.0	090	02	05.5	02.1	273													11	07.0	04.2	262
24.0					02	07.5	05.9	325													03	08.7	01.6	097
27.0																								
30.0																								
33.0																								

STATION	NAGPUR/SONEGAON												NEW DELHI/SAFDARJUNG											
TIME IN I.S.T.	0530*				1130				1730*				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	28	40.8	39.6	245	05	39.8	39.6	256	24	40.4	39.6	245	27	49.4	47.9	256	02	42.5	41.2	270	30	48.0	46.7	255
12.0	24	41.5	40.2	243	04	40.5	40.5	256	17	44.1	40.8	240	26	53.8	52.3	255					28	54.8	51.1	253
14.1	17	41.3	38.6	243					12	42.2	40.6	243	25	44.2	43.1	256					21	43.7	41.7	256
16.2	10	32.4	30.5	249					04	31.5	31.0	248	23	28.7	28.0	260					19	26.5	26.1	257
18.0	05	19.4	17.3	241									13	13.3	10.1	274					14	13.2	11.6	255
21.0	04	14.2	07.9	253									03	05.7	04.8	270					02	06.0	06.0	268
24.0													02	10.0	05.3	292					02	05.5	05.4	272
27.0																								
30.0																								
33.0																								

STATION	PORT BLAIR												RAIPUR								SRINAGAR			
TIME IN I.S.T.	0530*				1130				1730*				0530				1730				0530*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	27	07.6	04.1	209	04	10.2	05.2	263	24	09.1	05.9	201	04	33.0	33.0	254	01	33.0	33.0	260	14	40.9	36.6	262
12.0	24	10.1	07.4	195	03	11.3	09.5	257	24	10.3	08.3	195									09	53.3	52.4	267
14.1	18	11.1	05.8	186	01	13.0	13.0	280	17	11.5	05.9	178									04	34.2	33.3	270
16.2	13	10.5	02.8	143	01	03.0	03.0	210	14	10.8	04.2	134												
18.0	09	05.0	02.9	260					06	08.0	02.9	176												
21.0	06	06.2	03.1	276					03	06.3	06.0	152												
24.0	01	09.0	09.0	180																				
27.0																								
30.0																								
33.0																								

STATION	SRINAGAR				TIRUCHIRAPPALLI								TRIVANDRUM											
TIME IN I.S.T.	1730*				0530				1730				0530*				1130				1730*			
HT IN KM.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	14	41.5	39.0	257	03	11.0	07.9	223	01	15.0	15.0	290	31	09.9	06.3	175	02	14.0	13.3	188	31	10.7	06.7	163
12.0	08	46.9	45.3	271									31	12.1	09.9	190	02	10.0	10.0	218	31	14.2	10.6	165
14.1	02	46.0	46.0	264									30	12.6	06.3	170	01	18.0	18.0	215	31	12.4	05.9	187
16.2													26	07.9	00.8	108					24	07.8	04.2	091
18.0													19	05.6	01.7	077					18	05.9	02.0	217
21.0													08	05.6	03.0	245					14	06.9	04.1	261
24.0													06	13.7	12.5	093					07	16.0	06.9	083
27.0																					01	26.0	26.0	100
30.0																								
33.0																								

TABLE V - MONTHLY MEAN DIRECTION AND VELOCITIES OF UPPER WINDS

WINDS ABOVE 9 KM ABOVE MEAN SEA LEVEL

DECEMBER,1967 (AGRAHAYANA 10 - PAUSA 10,1889 SAKA)

STATION	TRIVANDRUM				UDAIPUR				VENGURLA				VERAVAL				VIJAYWADA/GANNAVARAM							
IME IN I.S.T.	2330				1730				1730				1730				0530				1730			
HT IN Km.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	02	12.5	12.4	075	01	25.0	25.0	320	12	20.5	19.7	259	06	38.5	34.9	261	08	19.5	18.8	244	04	17.5	17.3	253
12.8	02	18.5	18.5	104					07	25.0	24.6	256	01	45.0	45.0	245	03	25.3	24.7	226	01	15.0	15.0	260
14.1	02	14.5	13.9	114									01	52.0	52.0	260	01	25.0	25.0	255	01	23.0	23.0	220
16.2	02	11.5	11.1	088									01	45.0	45.0	265					01	16.0	16.0	200
18.0													01	47.0	47.0	300					01	07.0	07.0	305
21.0													01	38.0	38.0	300					01	05.0	05.0	305
24.0													01	12.0	12.0	255								
27.0																								
30.0																								
33.0																								

STATION	VISHAKHAPATNAM																							
IME IN I.S.T.	0530*				1130				1730*															
HT IN Km.	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D	N	S	V	D
10.5	31	23.4	22.2	248	11	22.0	21.4	255	30	22.3	21.2	248												
12.0	31	26.3	25.0	246	04	26.5	25.4	247	30	24.9	23.9	241												
14.1	24	23.0	20.7	255	04	27.0	26.3	254	22	22.5	20.6	259												
16.2	15	13.7	11.3	254	03	17.3	16.5	248	14	13.5	13.0	266												
18.0	06	05.2	03.6	273	03	04.7	02.1	238	07	11.8	04.1	251												
21.0	03	10.3	03.9	206	03	03.7	01.6	322	03	17.7	08.2	253												
24.0	01	11.0	11.0	254	01	04.0	04.0	110	01	10.0	10.0	240												
27.0																								
30.0																								
33.0																								

RADIOSONDE DATA

During the month, observations of upper air temperature, pressure and humidity were made at 16 stations in India as given in the list below. For detailed description of the instruments used, a reference may be made to the I.M.D. Scientific Notes Nos. 112 and 113 (Volume IX)

List of Radiosonde Stations in India

Name of Station	Type of instrument used	Date of Starting	Hours of routine observations in GMT during the month	Remarks
Ahmadabad	Fan type	20th Jul. 1961	00 and 12	
Bangalore	Fan type	10th Mar. 1961	00 and 12	
Bombay/Santacruz	Clock type	7th Sep. 1954	00 and 12	
Calcutta/Dum Dum	Clock type	13th Dec. 1946	00 and 12	Fan type used from 13.12.46 to 30.11.47.
Ernakulam	Fan type	1st Aug. 1966	00 and 12	
Gauhati	Clock type	22nd Jul. 1955	00 and 12	
Jodhpur	Clock type	17th Apr. 1946	00 and 12	
Lucknow/Amausi	Clock type	15th Aug. 1966	00 and 12	
Madras/Mihambakkam	Fan type	29th Jun. 1946	00 and 12	
Minicoy	Fan type	12th May. 1963	12	
Nagpur/Sonegaon	Fan type	1st Oct. 1946	00 and 12	
New Delhi/Safdarjung	Clock type	3rd Dec. 1943	00 and 12	
Port Blair	Fan type	4th Dec. 1949	00 and 12	
Srinagar	Clock type	1st Aug. 1962	00 and 12	
Trivandrum	Fan type	1st Jul. 1947	00 and 12	
Vishakhapatnam	Fan type	8th Dec. 1946	00 and 12	

RADIO SONDE DATA

TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE

(A) FROM ASCENTS AT 00 HRS G.M.T.

DECEMBER, 1967 (AGRAHAYANA 10 - PAUSA 10, 1889 SAKA)

STANDARD PRESSURE SURFACE MB	AHMADABAD SURFACE PR (1006 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BANGALORE (911 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	BOMBAY/SANTACRUZ (1010 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00055	290.7	295	286	286.3	31	00921	290.0	292	288	288.8	31	00018	294.3	295	291	291.6
1000	27	00113	291.0	296	287	285.8	31	00126					30	00100	295.4	299	292	291.1
900	27	01022	291.0	296	285	281.9	31	01030	289.9	292	[illegible]	288.8	30	01022	292.[illegible]	295	[illegible]	[illegible].2
850	27	01511	288.1	292	284	279.2	31	01517	288.7	291	285	284.1	30	01522	289.2	292	282	[illegible]
800	27	02023	284.9	293	281	274.1	31	02031	286.5	291	283	281.1	30	02020	285.[illegible]	289	282	[illegible]
700	27	03130	278.8	287	275	264.4	31	03145	281.0	285	277	274.9	30	03139	279.7	285	275	274.1
600	27	04377	272.5	280	268	257.8	31	04405	275.0	281	273	268.2	30	04394	273.7	283	269	[illegible]
500	25	05815	263.8	271	260		31	05855	266.2	270	261		30	05834	264.[illegible]	271	2[illegible]	
400	22	07505	252.7	258	248		31	07585	255.5	260	249		29	07534	254.5	259	250	
300	21	09584	239.9	244	235		31	09655	240.4	245	236		29	09616	238.6	243	233	
250	20	10840	232.2	238	226		31	10920	230.5	236	227		29	10869	230.1	235	224	
200	15	12330	222.8	229	216		31	12390	219.4	226	214		29	12337	218.5	224	213	
175	13	13198	217.2	223	210		31	13234	213.4	219	207		23	13188	212.5	218	208	
150	12	14162	212.8	218	207		31	14188	206.8	213	200		21	14142	207.0	214	201	
125	09	15271	206.9	215	201		30	15262	201.0	207	196		21	15234	200.9	206	196	
100	07	16627	202.4	211	197		29	16574	194.9	201	[illegible]		20	16522	197.0	205	191	
80							27	17881	196.4	207	192		07	17[illegible]	19[illegible].3	203	191	
70							26	18615	199.0	212	194		06	18672	202.3	2[illegible]	195	
60							25	19586	202.6	213	197							
50							23	20614	207.0	214	[illegible]							
40							14	21893	210.9	215	2[illegible]							
30							12	23659	215.7	221	209							
20																		
10																		

STANDARD PRESSURE SURFACE MB	CALCUTTA/DUM DUM SURFACE PR (1015 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	ERNAKULAM (1010 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	[illegible] (1011 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00006	288.6	291	285	287.3	31	00003	297.4	299	296	295.6	31	00049	285.9	289	284	285.4
1000	31	00132	290.3	293	287	285.6	31	00089	297.5	299	296	295.1	31	00139	286.[illegible]	292	284	[illegible]
900	31	01034	287.7	290	284	282.1	31	01011	293.0	295	[illegible]	289.3	31	01033	286.5	289	283	282.2
850	31	01517	285.3	289	280	278.7	31	01503	290.4	293	290	286.1	31	01507	283.5	286	281	278.1
800	31	02024	283.2	287	280	274.6	31	02020	287.2	289	284	282.6	31	02013	280.5	283	277	274.0
700	31	03128	278.8	283	277	266.0	31	03140	282.0	285	279	274.6	31	03100	274.8	279	272	264.5
600	31	04374	272.6	279	267	258.6	31	04402	275.1	279	273	266.6	31	04333	269.7	274	264	
500	31	05815	264.2	270	259		31	05854	267.2	271	264		31	05758	262.1	266	255	
400	31	07515	254.3	259	247		31	07566	256.4	261	253		2[illegible]	07437	251.4	257	244	
300	29	09602	240.8	246	235		31	09664	240.3	247	235		24	09456	238.3	243	232	
250	27	10869	233.2	242	225		31	10922	230.3	236	225		24	10750	230.2	232	225	
200	24	12367	222.6	233	213		30	12399	218.6	225	213		22	12230	221.9	225	215	
175	21	13231	216.9	228	207		29	13238	212.6	219	207		21	13091	217.4	223	209	
150	18	14217	211.6	223	202		29	14201	206.1	212	199		19	14061	211.7	219	204	
125	18	15377	206.1	217	197		29	15270	199.5	207	194		14	15181	207.5	216	205	
100	18	16680	202.7	212	195		24	16591	193.8	202	189		12	16511	201.7	206	196	
80	14	17972	201.2	207	196		17	17833	196.4	205	189		05	17811	199.4	206	196	
70	14	18756	203.6	212	195		15	18626	199.9	207	193							
60	12	19669	206.6	216	199		11	19501	202.7	209	195							
50	12	20788	212.3	220	202		11	20595	206.6	215	199							
40	10	22172	216.2	223	209		06	21955	211.0	219	205							
30	05	24125	222.6	226	219		05	23764	214.8	221	212							
20																		
10																		

STANDARD PRESSURE SURFACE MB	JODHPUR SURFACE PR (986 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	LUCKNOW (1010 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	AGRAS/[illegible] (1011 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00217	289.7	292	286	284.9	31	00127	286.3	290	283	284.3	31	00015	295.7	299	[illegible]	294.3
1000	30	00095					31	00139	286.5	289	283	284.1	30	[illegible]	295.8	299	294	294.1
900	30	00998	287.8	293	282	278.8	21	01034	288.4	291	286	275.6	30	[illegible]	[illegible]	293	289	289.0
850	30	01477	285.0	290	280	274.0	21	01517	285.7	290	283	275.4	30	01501	[illegible]	[illegible]	[illegible]	285.5
800	30	01985	282.3	287	277	268.2	21	02012	283.3	286	281	273.2	30	02023	286.2	289	283	279.7
700	30	03078	275.8	280	271	255.1	21	03122	276.7	280	273	264.1	30	03137	281.3	285	277	273.5
600	29	04309	268.8	273	262	246.6	21	04358	269.4	275	266		30	04397	275.4	279	271	266.2
500	29	05713	259.5	266	254		20	05776	260.9	265	257		30	05847	266.9	271	265	
400	28	07386	248.3	252	242		20	07453	249.5	253	232		30	07537	255.8	260	252	
300	27	09424	235.1	239	230		14	09506	237.6	241	232		30	09655	240.3	245	237	
250	26	10605	228.1	232	222		14	10754	230.1	235	223		30	10921	231.8	237	227	
200	24	12117	220.7	227	214		13	12231	220.3	224	215		29	12345	219.2	225	212	
175	18	12985	216.1	224	208		11	13085	215.3	219	211		29	13243	213.0	217	208	
150	17	13903	211.8	219	205		10	14038	209.3	214	202		29	14197	206.2	213	202	
125	12	15069	207.5	215	201		09	15142	204.7	209	202		27	15264	200.4	206	192	
100	09	16439	206.0	210	200		09	16453	201.7	205	197		21	16600	195.6	200	193	
80	06	17817	204.1	207	201		08	17813	205.1	209	201		16	17894	198.2	203	191	
70							07	18632	207.9	213	204		13	18675	201.3	208	196	
60													10	19552	203.3	209	199	
50													06	20666	206.7	210	202	
40													05	22[illegible]	[illegible]	213	204	
30																		
20																		
10																		

RADIO SONDE DATA

TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE

(A) FROM ASCENTS AT 00 HRS G.M.T.

DECEMBER, 1967 (AGRAHAYANA 10 - PAUSA 10, 1889 SAKA)

STANDARD PRESSURE SURFACE MB	NAGPUR/SONEGAON SURFACE PR (979 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NEW DELHI/SAFDARJUNG (992 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	PORT BLAIR (1003 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00311	290.0	292	287	288.7	31	00209	285.0	289	281	282.7	31	00079	297.5	299	294	294.3
1000	29	00126					30	00140					30	00103	297.4	299	294	294.2
900	29	01031	291.0	294	288	286.3	30	01029	285.3	289	280	277.9	29	01019	291.7	297	287	289.2
850	29	01519	288.1	293	286	283.3	30	01508	283.5	286	279	274.5	29	01508	289.1	293	285	285.1
800	29	02030	284.5	289	281	280.2	30	02010	280.5	284	275	270.9	29	02023	287.4	291	282	281.1
700	29	03138	278.3	283	273	272.5	30	03098	273.7	278	269	263.1	29	03143	283.1	287	275	276.8
600	29	04381	271.7	277	267	263.1	30	04320	265.9	270	260	255.4	28	04413	276.7	281	272	268.9
500	29	05814	263.8	271	259		29	05719	256.5	263	251	247.2	28	05867	267.9	274	264	
400	29	07504	252.4	260	245		27	07359	244.6	251	239	235.8	27	07546	257.4	265	252	
300	29	09578	238.3	247	230		27	09361	230.9	242	222		27	09698	242.4	248	237	
250	29	10830	229.8	239	221		27	10571	222.5	232	210		25	10969	232.8	239	227	
200	29	12297	218.5	225	211		26	12005	216.2	225	206		23	12459	221.5	229	214	
175	28	13149	213.2	299	208		24	12846	212.9	221	203		21	13329	215.4	223	205	
150	28	14106	207.7	217	201		24	13799	209.6	216	204		20	14281	209.4	217	202	
125	28	15161	202.0	209	197		24	14934	206.7	215	201		18	15401	203.4	211	197	
100	26	16519	198.3	205	193		23	16266	204.4	211	200		15	16736	197.3	207	191	
80	21	17829	199.3	209	192		16	17621	205.3	211	199		11	18064	200.5	208	197	
70	21	18615	201.2	213	191		14	18431	207.7	213	204		11	18860	203.8	213	197	
60	16	19467	205.5	215	193								08	19774	205.9	214	197	
50	15	20652	211.1	223	199								07	20927	209.6	220	197	
40																		
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	SRINAGAR SURFACE PR (846 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	TRIVANDRUM (1003 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	VISHAKHAPATNAM (1010 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	22	01588	274.4	277	271	273.4	31	00064	297.5	299	295	295.5	31	00041	295.9	299	293	292.5
1000	22	00226					31	00086	297.4	299	295	295.0	31	00125	295.5	298	293	292.5
900	22	01094					31	01005	292.6	296	289	288.5	31	01009	290.8	295	288	284.9
850	22	01557	274.0	275	273	272.3	31	01496	289.5	293	285	285.9	31	01525	288.3	293	285	281.9
800	22	02043	271.8	275	268	270.2	31	02011	287.0	291	283	282.7	31	02039	285.5	291	283	278.2
700	22	03093	268.0	272	263		31	03129	281.6	286	278	275.9	31	03154	280.5	287	277	271.9
600	22	04300	261.3	266	256		31	04389	274.9	279	273	268.9	31	04410	274.3	281	271	262.8
500	21	05667	252.1	259	249		31	05840	266.9	271	264		31	05857	262.5	272	261	
400	21	07281	241.1	248	237		31	07551	256.0	259	253		31	07561	254.6	261	249	
300	18	09267	227.4	236	222		31	09648	240.3	245	236		31	09654	239.8	245	235	
250	13	10457	219.8	227	213		31	10906	230.4	235	225		31	10910	230.1	237	225	
200	11	11914	216.7	223	213		31	12378	218.3	224	214		31	12380	219.1	224	211	
175	09	12778	216.9	222	212		29	13201	212.1	215	206		29	13218	213.8	220	207	
150	09	13759	216.6	221	209		29	14230	205.3	209	199		28	14186	207.9	214	202	
125	09	14922	215.6	221	211		25	15214	198.5	203	195		25	15258	202.3	209	193	
100	09	16323	215.6	221	212		18	16524	195.1	205	190		21	16597	198.4	205	194	
80	08	17747	217.3	222	213		12	17781	196.2	202	192		13	17854	198.7	203	195	
70	07	18622	218.3	222	213		08	18557	199.6	204	197		10	18601	200.8	206	197	
60	05	19624	220.4	223	218		05	19469	204.2	209	201		06	19523	203.2	209	198	
50													06	20584	206.3	213	202	
40																		
30																		
20																		
10																		

RADIO SONDE DATA

TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE (B) FROM ASCENTS AT 12 HRS G.M.T.

DECEMBER, 1967 (AGRAHAYANA 10 - PAUSA 10, 1889 SAKA)

STANDARD PRESSURE SURFACE MB	AHMADABAD SURFACE PR (1006 MB)						BANGALORE (910 MB)						BOMBAY/SANTACRUZ (1009 MB)					
	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00055	300.8	304	295	287.2	31	00921	297.1	299	292	288.8	31	00013	300.4	304	298	293.2
1000	30	00103	300.6	304	297	287.0	31	00094					30	00093	299.8	302	295	291.8
900	30	01023	292.6	297	289	281.5	31	01022	296.4	298	292	288.8	30	01021	293.9	298	290	285.8
850	30	01513	288.8	293	285	278.4	31	01515	291.6	294	289	286.1	30	01509	290.1	293	285	283.3
800	30	02025	285.5	290	282	274.4	31	02033	287.4	291	285	283.0	30	02025	286.0	289	281	279.7
700	30	03133	278.9	283	275	265.1	31	03150	281.4	286	277	275.1	30	03136	280.0	283	277	272.8
600	28	04383	272.8	277	265	246.9	30	04414	275.8	283	270	267.6	30	04393	274.4	279	271	263.4
500	27	05821	263.9	267	261		30	05863	267.9	272	263		30	05838	265.9	269	263	
400	26	07513	253.0	257	248		30	07592	256.9	262	252		30	07545	254.2	259	250	
300	21	09594	238.2	247	233		30	09664	241.5	247	236		30	09630	239.6	245	233	
250	19	10856	231.0	239	224		30	10930	231.7	238	226		30	10888	230.9	236	225	
200	16	12341	221.5	229	215		30	12442	220.4	227	215		30	12365	219.5	224	214	
175	15	13192	215.5	223	214		29	13219	214.1	220	210		25	13229	214.3	220	205	
150	12	14173	210.3	217	205		29	14249	208.0	213	203		25	14188	206.9	214	202	
125	10	15293	204.8	213	200		29	15326	201.5	208	197		21	15263	202.5	208	193	
100	08	16621	201.1	206	197		24	16720	195.4	202	190		18	16594	197.7	204	193	
80							24	17988	197.0	203	190		09	17910	199.0	203	197	
70							21	18745	199.4	206	192		08	18693	203.1	211	199	
60							21	19622	203.4	209	195		05	19680	206.6	208	205	
50							21	20706	205.9	213	196		05	20793	211.0	214	209	
40							10	22155	210.8	216	202							
30							05	23923	212.2	217	206							
20																		
10																		

STANDARD PRESSURE SURFACE MB	CALCUTTA/DUM DUM SURFACE PR (1013 MB)						ERNAKULAM (1008 MB)						GAUHATI (1008 MB)					
	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00006	297.3	300	292	289.2	31	00003	302.3	304	297	296.6	31	00049	292.8	295	291	288.2
1000	31	00123	297.3	300	291	287.5	31	00075	301.7	304	297	295.9	30	00123	292.8	295	291	288.8
900	31	01037	290.7	294	283	282.0	31	01003	294.0	297	291	289.9	30	01024	288.1	291	286	282.9
850	31	01525	287.7	291	285	278.2	31	01497	290.6	293	289	287.4	30	01507	285.2	288	283	278.5
800	31	02037	285.2	289	280	272.8	31	02015	287.4	290	285	282.7	30	02012	281.9	286	279	274.7
700	31	03147	280.2	283	275	264.3	31	03135	281.9	286	279	273.9	30	03104	275.6	279	273	266.1
600	31	04403	274.2	277	266	257.4	31	04400	275.7	280	273	268.9	30	04339	270.6	275	267	
500	31	05849	265.6	272	260		31	05853	267.5	271	263		30	05771	262.9	268	254	
400	31	07552	254.8	259	246		31	07567	256.4	262	253		28	07480	252.4	257	246	
300	31	09643	240.9	247	230		31	09666	240.4	245	235		28	09528	238.9	244	233	
250	30	10906	232.1	239	219		31	10928	230.9	236	226		26	10760	231.8	236	227	
200	26	12419	222.9	231	216		30	12405	218.8	226	214		25	12275	222.8	227	218	
175	21	13280	216.9	225	210		29	13242	212.6	219	209		24	13137	217.4	227	211	
150	20	14248	211.2	219	203		29	14199	205.8	211	201		22	14103	211.4	219	205	
125	16	15373	205.3	211	199		29	15259	199.0	204	195		16	15248	206.4	212	201	
100	13	16689	200.7	207	196		24	16586	193.9	199	186		11	16586	203.8	210	198	
80	09	18009	201.9	209	197		23	17854	197.0	209	190							
70	06	18863	201.8	206	197		23	18633	199.6	206	191							
60	05	19819	205.6	209	200		22	19540	202.5	209	193							
50	05	20937	209.0	213	203		21	20627	205.6	215	195							
40	05	22313	213.6	219	207		14	22018	209.3	217	197							
30							07	23701	211.1	215	200							
20																		
10																		

STANDARD PRESSURE SURFACE MB	JODHPUR SURFACE PR (985 MB)						LUCKNOW/AMAUSI (1000 MB)						MADRAS/MINAMBAKKAM (1010 MB)					
	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00217	295.0	300	291	287.0	31	00127	293.2	297	290	286.1	31	00029	299.4	301	296	294.7
1000	30	00088					31	00134	293.1	296	291	286.1	30	00102	299.1	301	297	294.7
900	28	00994	289.0	294	283	281.0	20	01034	288.7	291	286	279.1	30	01018	292.0	298	289	288.1
850	28	01473	286.0	290	283	277.0	20	01517	286.7	289	286	273.7	30	01508	289.6	294	285	284.3
800	28	01984	283.0	288	279	273.0	20	02026	284.6	287	283	269.7	30	02020	287.1	291	284	281.7
700	28	03079	277.0	283	272	262.0	20	03128	278.3	282	275	260.9	30	03141	282.5	286	279	275.1
600	28	04315	270.0	273	266	261.0	20	04369	270.9	275	267	257.8	30	04406	276.0	279	271	269.6
500	28	05735	261.0	263	257		19	05796	261.7	266	259		30	05862	268.0	271	265	
400	25	07416	251.0	257	247		17	07479	251.4	257	247		30	07580	256.7	260	251	
300	23	09484	238.0	246	229		13	09553	239.3	245	234		29	09684	240.9	247	236	
250	20	10741	232.0	238	225		13	10812	232.2	237	227		29	10948	231.7	237	226	
200	20	12228	224.0	231	216		12	12307	222.1	231	216		29	12426	219.8	226	211	
175	17	13100	219.0	225	206		10	13148	215.8	223	210		28	13263	214.0	220	206	
150	16	14078	215.0	221	208		08	14097	211.1	216	205		28	14234	207.5	215	200	
125	12	15221	210.0	215	204		07	15210	206.7	217	203		27	15308	201.2	208	194	
100	10	16593	207.0	212	201		07	16563	205.0	211	201		21	16638	196.3	202	191	
80	08	17957	209.0	214	204		05	17871	205.2	211	201		21	17926	198.1	205	193	
70	08	18781	211.0	217	206		05	18680	205.4	211	200		18	18695	200.0	209	193	
60							05	19617	210.0	213	208		16	19590	204.0	213	198	
50													15	20666	208.4	216	203	
40													09	21984	210.1	215	203	
30													06	23726	213.0	219	205	
20																		
10																		

RADIO SONDE DATA

TABLE VI-MEAN DYNAMIC HEIGHT, TEMPERATURE AND DEW POINT AT STANDARD PRESSURE SURFACE

(B) FROM ASCENTS AT 12 HRS G.M.T.

DECEMBER, 1967 (AGRAHAYANA 10 - PAUSA 10, 1889 SAKA)

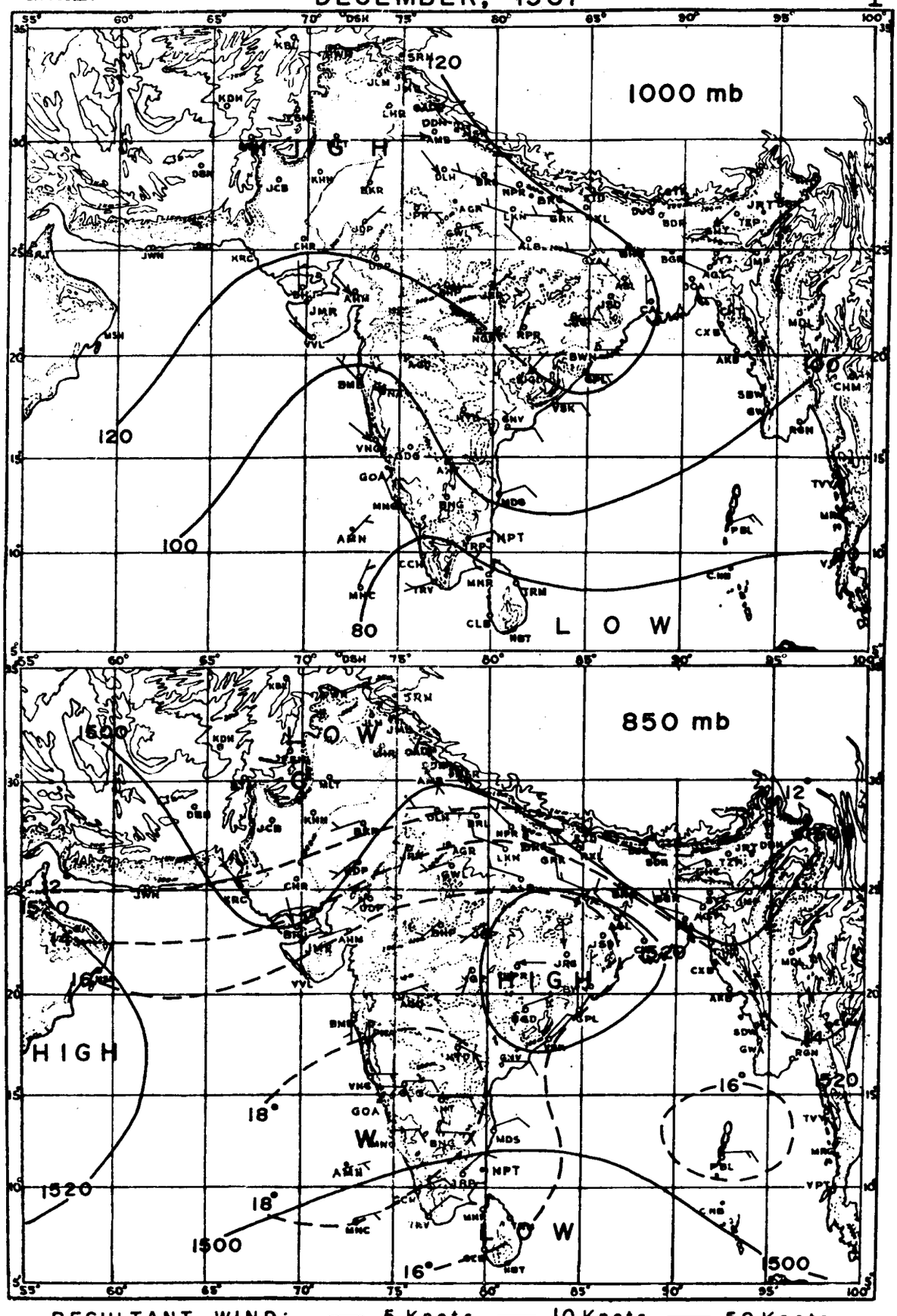
STANDARD PRESSURE SURFACE MB	MINICOY SURFACE PR (1009 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NAGPUR/SONEGAON (978 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	NEW DELHI/SAFDAR JUNG (991 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00002	301.1	302	298	296.6	31	00311	297.2	302	291	289.6	31	00209	290.8	294	288	285.9
1000	31	00082	300.5	302	297	295.9	29	00112					31	00135				
900	31	01005	293.4	297	291	285.8	29	01029	292.0	295	287	287.3	31	01028	285.5	289	283	277.9
850	31	01497	290.9	295	287	285.3	29	01519	288.6	293	285	284.0	31	01507	283.7	286	279	275.4
800	31	02015	288.5	293	285	281.4	29	02032	284.9	289	281	280.1	31	02011	280.8	285	276	274.2
700	31	03137	282.5	287	275	275.7	29	03139	278.6	282	275	272.4	31	03100	274.0	278	269	264.0
600	31	04402	276.2	282	272	268.1	29	04388	272.4	277	270	264.2	31	04324	263.5	270	262	255.7
500	31	05860	268.4	275	263		29	05819	264.0	267	260		31	05725	256.9	260	253	248.0
400	31	07582	257.4	263	252		29	07512	252.4	256	246		30	07369	245.4	248	242	238.1
300	31	09692	242.2	247	237		29	09582	238.2	242	233		30	09380	231.7	238	227	
250	31	10963	233.2	241	226		27	10836	229.8	235	223		30	10599	224.6	231	218	
200	31	12451	221.5	227	212		26	12306	218.5	225	212		29	12051	218.6	228	213	
175	30	13310	215.6	224	205		25	13151	213.4	217	206		27	12898	214.3	224	208	
150	30	14271	209.8	220	200		25	14101	208.0	214	200		23	13858	210.2	219	203	
125	29	15357	203.3	212	194		24	15193	203.3	209	195		22	14970	206.7	213	202	
100	27	16698	198.3	205	191		22	16531	198.9	205	191		19	16306	204.5	209	198	
80	26	18006	199.4	208	190		12	17863	199.2	208	194		15	17648	205.3	211	199	
70	23	18807	202.6	215	193		07	18594	201.7	206	197		14	18461	207.1	213	202	
60	23	19708	206.0	217	197		07	19569	206.9	215	199							
50	19	20819	209.3	221	201		06	20641	210.0	219	202							
40	13	22177	211.5	221	204													
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	PORT BLAIR SURFACE PR (1002 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	SRINAGAR (845 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	TRIVENDRUM (1001 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00079	299.0	300	296	294.8	24	01588	278.0	283	273	275.0	31	00064	301.8	303	299	296.5
1000	31	00098	298.9	300	298	294.4	24	00198					31	00076	301.9	303	300	298.0
900	27	01017	292.8	295	289	289.9	24	01076					31	01003	293.5	296	291	290.6
850	27	01508	290.1	293	286	286.8	24	01545					31	01496	290.4	293	288	286.6
800	27	02024	288.1	291	283	283.3	24	02036	274.0	279	268	271.0	31	02013	287.6	291	285	282.2
700	27	03149	284.4	287	277	276.3	24	03091	268.0	273	263		31	03133	281.8	285	279	274.1
600	26	04421	277.6	282	272	271.3	22	04300	262.0	266	258		30	04393	275.3	278	271	267.4
500	26	05888	269.0	275	263		20	05676	253.0	259	249		30	05847	267.0	271	263	
400	26	07615	258.2	264	250		19	07293	241.0	246	236		30	07558	256.0	260	251	
300	25	09734	243.7	251	237		18	09269	227.0	232	221		30	09654	240.2	245	236	
250	25	11053	234.7	243	224		15	10454	220.0	225	215		30	10910	230.5	238	224	
200	22	12524	223.7	233	216		13	11871	216.0	222	210		30	12378	217.8	225	212	
175	20	13382	217.0	225	209		10	12707	215.0	223	210		29	13203	211.4	219	198	
150	20	14354	209.9	217	197		07	13694	216.0	222	209		29	14158	204.8	212	198	
125	19	15470	203.7	212	196		06	14817	212.0	217	207		27	15209	197.3	205	191	
100	15	16801	198.9	207	191		06	16205	212.0	219	208		20	16530	193.7	201	190	
80	11	18195	201.6	209	194								14	17814	196.8	208	185	
70	05	19046	202.0	213	195								11	18612	201.0	211	194	
60													07	19545	204.3	213	198	
50													07	20645	208.3	216	203	
40																		
30																		
20																		
10																		

STANDARD PRESSURE SURFACE MB	VISAKHAPATNAM SURFACE PR (1009 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT	(0 MB) NO OF OBS	HT GPM	TEMPERATURE A MEAN	MAX	MIN	DEW POINT
SURFACE	31	00041	299.3	301	295	293.5												
1000	31	00117	298.3	301	295	292.9												
900	31	01033	292.1	296	289	286.0												
850	31	01523	289.0	293	281	282.7												
800	31	02038	286.5	291	283	279.8												
700	31	03154	281.0	285	277	274.3												
600	30	04415	274.9	281	271	268.9												
500	30	05866	266.8	271	261	266.8												
400	30	07544	256.0	262	249													
300	30	09681	240.8	247	236													
250	30	10951	231.6	239	228													
200	30	12426	220.3	227	215													
175	28	13249	214.4	221	208													
150	25	14218	208.4	213	201													
125	20	15356	204.1	212	195													
100	17	16656	198.8	207	193													
80	14	18023	201.0	207	195													
70	11	18853	202.4	209	197													
60	09	19782	206.7	213	201													
50	06	20656	207.6	211	205													
40																		
30																		
20																		
10																		

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I.Met.D. DECEMBER, 1967 *Plate* I

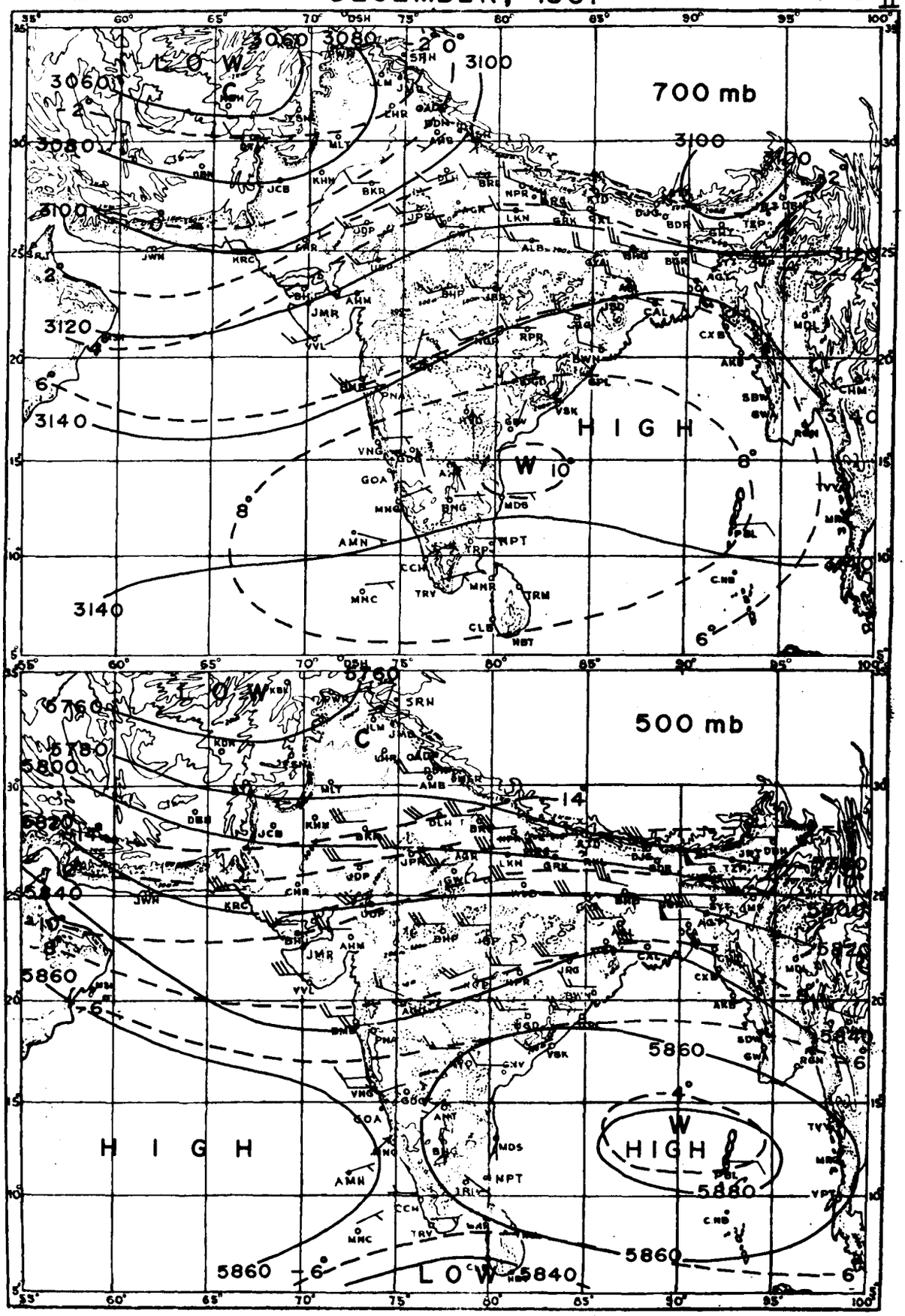


RESULTANT WIND: 5 Knots 10 Knots 50 Knots

----Isotherms in degrees Celsius;—— Contours in geopotential metres

MONTHLY MEAN CONSTANT PRESSURE CHARTS

I. Met.D. **DECEMBER, 1967** *Plate* II



RESULTANT WIND: 5 Knots 10 Knots 50 Knots

----Isotherms in degrees Celsius;—— Contours in geopotential metres